

RESOLUTION NO. 2021-271

A RESOLUTION AWARDING AN OPEN-END CONTRACT
TO ATLANTIC ANALYTICAL LABORATORY, LLC,
LEBANON, NJ FOR SAMPLING AND ANALYSIS OF
NATURAL GAS.

WHEREAS, the Vineland Municipal Electric Utility has heretofore advertised for proposals for Sampling and Analysis of Natural Gas and USLD Fuel Oil; and

WHEREAS, the requests were published on the City's official website and in the City's official newspaper; and

WHEREAS, one proposal was received and reviewed by the Director and Staff of the Electric Utility; and

WHEREAS, it has been recommended that a contract for Sampling and Analysis of Natural Gas **only**, be awarded to Atlantic Analytical Laboratory, LLC, Lebanon, NJ based upon the proposal received, pursuant to a fair and open process; and

WHEREAS, this contract is awarded in an amount not to exceed \$63,600.00, for a contract period of one year from date of award; and

WHEREAS, the availability of funds for said Contract to be awarded herein have been certified by the Chief Financial Officer; and

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Vineland that said contract to provide for Sampling and Analysis of Natural Gas **only**, be awarded to Atlantic Analytical Laboratory, LLC, Lebanon, NJ, based upon the proposal received, pursuant to a fair and open process, in the amount not to exceed \$63,600.00 for a contract period of one year from date of award.

Adopted:

President of Council

ATTEST:

City Clerk

**REQUEST FOR RESOLUTION FOR CONTRACT AWARDS
UNDER 40A:11-5 EXCEPTIONS
(PROFESSIONAL SERVICES, EUS, SOFTWARE MAINTENANCE, ETC)**



May 21, 2021

(DATE)

1. Service (detailed description): Sampling and Analysis of Natural Gas ONLY

2. Amount to be Awarded: \$ 63,600.00
 Encumber Total Award
 Encumber by Supplemental Release

3. Amount Budgeted: \$ 65,000.00

4. Budgeted: By Ordinance No. _____
Or Grant: Title & Year _____

5. **Account Number to be Charged: \$31,800.00 to 1-05-55-502-9001-53353 E553X

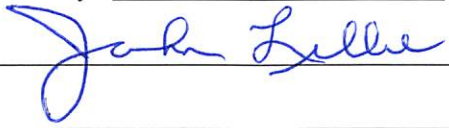
6. Contract Period: One Year

7. Date To Be Awarded: June 8, 2021

8. Recommended Vendor and Address: Atlantic Analytical Laboratory, LLC
291 Route 22 East - Salem Industrial Park Bldg 2
Lebanon, NJ 08833

9. Justification for Vendor Recommendation:(attach additional information for Council review)
This vendor has performed natural gas sampling and analysis for VMEU for
for several years with very satisfactory results. Proposal prices for ULSD testing
were substantially higher than anticipated. Therefore an award is recommended
for natural gas sampling and testing ONLY. No other bids were received.
 Non-Fair & Open (Pay-to-Play documents required)
 Fair & Open: How was RFP advertised? _____

10. Evaluation Performed by: Jeff Davis

11. Approved by: 

12. Attachments:
 Awarding Proposal
 Other: RFP

- Send copies to:
Purchasing Division
Business Administration

**** If more than one account #, provide break down**



**PROPOSAL
for
SAMPLING and ANALYSIS
of
NATURAL GAS and ULSD FUEL OIL**

NATURAL GAS SAMPLING AND TESTING		
ITEM DESCRIPTION	ITEM PRICE	
Travel Time	\$500	
Sample Collection	\$250	
Sample Cylinder Rental	\$100	
Sample Testing (from proposal Section 2)	\$1,800	
Sample Disposal	N/A	
Reporting	N/A	
Natural Gas Unit Price		\$2,650
		X 24 samples
Natural Gas Subtotal		\$63,600

Continued on Next Page

ULSD SAMPLING AND TESTING - Test Group A		
ITEM DESCRIPTION	ITEM PRICE	
Travel Time	\$500	
Sample Collection	N/A	
Sample Testing (from proposal Section 3)	\$8,050	
Sample Disposal	\$50	
Reporting	N/A	
ULSD Test Group A Unit Price		\$8,600
		X 10 samples
ULSD Test Group A Subtotal		\$86,000

ULSD SAMPLING AND TESTING - Test Group B		
ITEM DESCRIPTION	ITEM PRICE	
Travel Time	\$500	
Sample Collection	N/A	
Sample Testing (from proposal Section 4)	\$2400	
Sample Disposal	\$50	
Reporting	N/A	
ULSD Test Group B Unit Price		\$2,950
		X 2 samples
ULSD Test Group B Subtotal		\$5,900

TOTAL BID PRICE	\$155,500
------------------------	------------------

End of Section 1

**Proposal for Sampling and Testing of
Natural Gas and ULSD Fuel Oil**

NATURAL GAS TESTING

Section 2

Parameter	Proposed Test Method	MDL	COST	Reason for Alternate Test Method (if applicable)
Gas Fuel Properties (at 59°F and 14.696 psia)				
Gross Calorific Value	ASTM D3588	N/A	\$100	
Lower Calorific Value	ASTM D3588	N/A	--	
Density	ASTM D3588	N/A	--	
Wobbe Index	ASTM D3588	N/A	--	
Gas Fuel Properties (at 68°F and 14.696 psia)				
Gross Calorific Value	ASTM D3588	N/A	--	
Density	ASTM D3588	N/A	--	
Gas Fuel Constituents				
Methane (CH ₄)	ASTM D1945	0.001%	\$350	
Ethane (C ₂ H ₆)	ASTM D1945	0.001%	--	
Propane (C ₃ H ₈)	ASTM D1945	0.001%	--	
Butane (C ₄ H ₁₀)	ASTM D1945	0.001%	--	
Pentane (C ₅ H ₁₂)	ASTM D1945	0.001%	--	
Hexane (C ₆ H ₁₄)	ASTM D1945	0.001%	--	
Heptane (C ₇ H ₁₆)	ASTM D1945	0.001%	--	

Page 1 Subtotal - Natural Gas	\$450
--------------------------------------	--------------

Continued on Next Page

Proposal for Sampling and Testing of
Natural Gas and ULSD Fuel Oil

NATURAL GAS TESTING

Section 2

Parameter	Proposed Test Method	MDL	COST	Reason for Alternate Test Method (if applicable)
Gas Fuel Constituents (continued)				
Hydrogen (H ₂)	ASTM D1945	0.01%	--	
Water (H ₂ O)	ASTM D5454	1 ppm	\$200	Best accuracy available
Sulphur (total)	ASTM D5504	0.05 ppm	\$300	
Inert Gases (total)	ASTM D1945	0.01%	\$350	
Carbon Dioxide (CO ₂)	ASTM D1945	0.01%	--	
Nitrogen (N ₂)	ASTM D1945	0.01%	--	
Argon	ASTM D1945	0.01%	--	
Neon	ASTM D1945	0.01%	--	
Fuel Contaminants / Corrosive Constituents				
Oil (concentration)	Gravimetric	0.01mg/m3	\$200	
Oil (droplet size)	NOT APPLICABLE			
Particle Size	NOT APPLICABLE			
Sodium + Potassium	ICPMS		\$300	

Page 2 Subtotal - Natural Gas	\$1,350
--------------------------------------	----------------

TOTAL per Test - Natural Gas (pg. 1 + pg. 2)	\$1,800
---	----------------

End of Section 2

Company Atlantic Analytical Laboratory, LLC

Parameter	Proposed Test Method	MDL	COST	Reason for Alternate Test Method (if applicable)
Gross Calorific Value	ASTM D4809	N/A	\$400	
Lower Calorific Value	ASTM D4809	N/A	—	
Density (at 59°F)	ASTM D4052	N/A	\$150	
Cloud Point	ASTM D5573	Varies	\$250	
Flash Point	ASTM D93	Varies	\$200	
Fuel bound nitrogen	ASTM D4629	Varies	\$400	
Hydrogen content	ASTM D5291	Varies	\$250	
Sulphur	ASTM D2622	Varies	\$300	
Free Water	ASTM D 4377	Varies	\$300	
Free Water	ASTM D2709	Varies	\$200	
Free Water and Sediment	ASTM D27	Varies	\$200	
Particulates	ASTM D5452	N/A	\$350	
Particle Size	ISO 11171	N/A	\$300	
Lubricity (corrected wear scar diameter at 140°F)	ASTM D6079	N/A	\$1,100	
Aromatic Content				
Total Aromatic Content	ASTM D6591	Varies	\$1,700	
Mono Aromatic Content	ASTM D6591	Varies	—	
Poly Aromatic Content	ASTM D6591	Varies	—	

Page 1 Subtotal - ULSD Test A	\$6,100
--------------------------------------	----------------

Continued on Next Page

**Proposal for Sampling and Testing of
Natural Gas and ULSD Fuel Oil**

ULSD TEST GROUP A

Section 3

Parameter	Proposed Test Method	MDL	COST	Reason for Alternate Test Method (if applicable)
Distillation Data				
10% volume recovery	ASTM D86	N/A	\$300	
90% volume recovery	ASTM D86	N/A	--	
Final boiling point	ASTM D86	N/A	--	
Viscosity				
Viscosity (at 32°F)	ASTM D445	N/A	\$250	
Viscosity (at 104°F)	ASTM D445	N/A	\$250	
Viscosity (at 122°F)	ASTM D445	N/A	\$250	
Trace Metals				
Calcium	ASTM D7111	Varies	\$150	
Magnesium	ASTM D7111	(all)	\$150	
Lead	ASTM D7111		\$150	
Sodium	ASTM D7111		\$150	
Potassium	ASTM D7111		\$150	
Vanadium	ASTM D7111		\$150	

Page 2 Subtotal - ULSD Test A	\$1,950
--------------------------------------	----------------

TOTAL per Test - ULSD Test A (pg. 1 + pg. 2)	\$8,050
---	----------------

End of Section 3

**Proposal for Sampling and Testing of
Natural Gas and ULSD Fuel Oil**

ULSD TEST GROUP B

Section 4

Parameter	Proposed Test Method	MDL	COST	Reason for Alternate Test Method (if applicable)
Antimony	ASTM D7111	Varies	\$150	
Arsenic	ASTM D7111	(all)	\$150	
Barium	ASTM D7111		\$150	
Beryllium	ASTM D7111		\$150	
Cadmium	ASTM D7111		\$150	
Chromium	ASTM D7111		\$150	
Chromium VI	ASTM D7111		\$150	
Cobalt	ASTM D7111		\$150	
Copper	ASTM D7111		\$150	
Manganese	ASTM D7111		\$150	
Mercury	ASTM D7111		\$150	
Molybdenum	ASTM D7111		\$150	
Nickel	ASTM D7111		\$150	
Phosphorus	ASTM D7111		\$150	
Selenium	ASTM D7111		\$150	
Zinc	ASTM D7111		\$150	

TOTAL per Test - ULSD Test B	\$2,400
-------------------------------------	----------------

End of Section 4