











Triskett CNG Operations and Maintenance

Presented to: Organizational, Services & **Performance Monitoring Committee**

January 7, 2025

- Understanding CNG: Cost Components (2023)
 - Natural Gas: \$471,900
 - Electricity: \$113,100
 - Operation & Maintenance Program: \$218,500
 - Total CNG Cost: \$803,500
- Cost per Diesel Gallon Equivalent (DGE)
 - \$1.19 before Tax Credit
 - \$0.60 after Tax Credit

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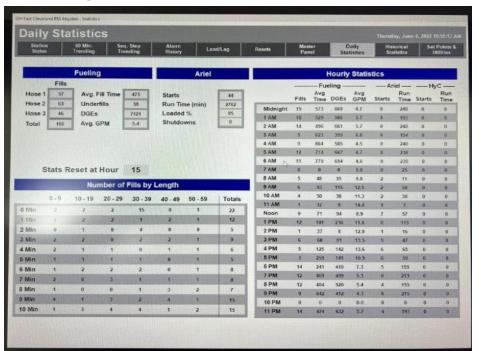






Greater Cleveland Regional Transit Authority







Greater Cleveland Regional Transit Authority

Scope of Services

- 24/7 Monitoring & Support
- Maintenance Management System w/ Remote Monitoring
- Scheduled Maintenance & Emergency Repairs

All inclusive of qualified labor, parts, and consumables.

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Current Triskett Fleet – Total Size: 136 coaches

- 63 40 ft CNG coaches
- 29 40 ft Diesel coaches
- 23 60 ft Diesel coaches
- 9 MCIs (Diesel)
- 12 Trolleys (Diesel)

Fleet transitioning from Diesel to CNG

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- Critical that CNG fueling station is maintained, uninterrupted, and available 24/7.
- Disruption of CNG fueling would result in a catastrophic impact on service.

- Projected Costs Based on:
 - Anticipated miles for CNG coaches
 - Estimated miles per MCF of CNG coaches
 - Calculated Diesel Gallon Equivalent (DGE)
 - Estimated per DGE Contract Rate
- Monthly Costs = Rate x DGE Volume

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- Non-competitive purchase with Trillium Transportation Fuels,
 LLC dba Trillium CNG
 - R.C. 306.43 H
 - Trillium is the original installer and Operations and Maintenance (O&M)
 provider for Triskett's CNG facility
 - Programmable Logic Control (PLC) is proprietary to Trillium

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- Procurement requested a proposal December 18, 2024
- A proposal was received December 30, 2024
- A 0% DBE goal was assigned to this project
- Proposal was reviewed by representatives from Accounting, Operations and Procurement

Greater Cleveland Regional Transit Authority

- Firm's Experience
 - Leader in CNG station construction and fuel distribution in North America
 - Extensive work with public transit agencies
 - Operate & maintain over 200+ CNG fueling stations in 25+ states
 - Invest over \$40,000 in training for each mechanic

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Firm's Experience

- Extensive and experienced O&M team across more than 80% of US
- Turnkey O&M program customized to GCRTA's needs with 24/7 availability
- No preventable service interruptions to date

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Firm's Transit Experience

 GCRTA, Akron Metro, Massachusetts Bay Transportation Authority, Miami-Dade Transit, New York City Transit, PACE, and Los Angeles Department of Transportation, among others.

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Historical Pricing (Dollars per DGE)

		Original Contract				
	Gallons per Month (DGE)	Inc	Year 1: eption to ./31/23	*Year 2: 2/1/23 to 1/31/24	*Year 3: 2/1/24 to 1/31/25	2
	Up to 70,000	\$	0.28400	\$ 0.32484	\$ 0.33509	
	70,001 to 95,000	\$	0.22800	\$ 0.26079	\$ 0.26901	
	95,001 to 120,000	\$	0.19500	\$ 0.22304	\$ 0.23008	
	120,001 and above	\$	0.19000	\$ 0.21733	\$ 0.22418	
*Pates include a CDI adjustment from February 2021						

**Proposed rates to match current contracted rates with an annual CPI adjustment.

*Rates include a CPI adjustment from February 2021

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Recommendation

 Staff requests that the Organizational, Services & Performance Monitoring Committee recommend an award to Trillium Transportation Fuels, LLC dba Trillium CNG to provide Triskett CNG operations and maintenance services in an amount not to exceed \$1,080,000.00 for the threeyear term.

Questions

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