



Summary of Proposed Award

Hayden CNG O&M

Presented to: Organizational, Services & Performance
Monitoring Committee

February 14, 2023



Project Overview

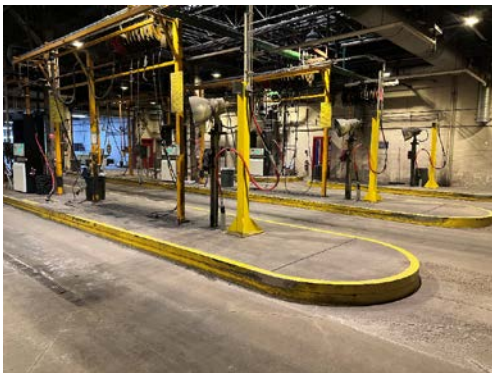
Hayden CNG O&M

Understanding CNG – Components of Cost

$$\begin{array}{rclclcl} \text{Natural Gas} & + & \text{Electricity} & + & \text{O\&M} & = & \text{Total 2022} \\ \$1,437\text{K} & + & \$142\text{K} & + & \$426\text{K} & = & \$2\text{M} \end{array}$$

CNG cost per Diesel Gal Equivalent	<u>2022</u>
Excluding tax credit	\$0.94
Including tax credit	\$0.38

Project Overview Hayden CNG O&M



Daily Statistics

Station	Station Name	City	State	Zip	Latitude	Longitude	Station Type	Station Status	Station Owner
101	Hayden	OH	OH	44130	41.45	-81.50	CNG	Open	RTA

Hour	Fueling			Retail			Hourly Statistics						
	Files	Avg Flow	Starts	Files	Avg Flow	Starts	Flow	Starts	Flow	Starts	Flow	Starts	Flow
Hour 1	10	100	10	10	100	10	100	10	100	10	100	10	100
Hour 2	10	100	10	10	100	10	100	10	100	10	100	10	100
Hour 3	10	100	10	10	100	10	100	10	100	10	100	10	100
Total	30	300	30	30	300	30	300	30	300	30	300	30	300

Stats Reset at Hour: 15

Number of Files by Length												
0-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	Total
10	20	30	40	50	60	70	80	90	100	110	120	1000

Historical Statistics

Station	Station Name	City	State	Zip	Latitude	Longitude	Station Type	Station Status	Station Owner
101	Hayden	OH	OH	44130	41.45	-81.50	CNG	Open	RTA

Monthly Statistics												
Date	Files	Avg Flow	Avg Under	Under	Starts	Flow	Starts	Flow	Starts	Flow	Starts	Flow
10/1	100	100	100	100	100	100	100	100	100	100	100	100
10/2	100	100	100	100	100	100	100	100	100	100	100	100
10/3	100	100	100	100	100	100	100	100	100	100	100	100
10/4	100	100	100	100	100	100	100	100	100	100	100	100
10/5	100	100	100	100	100	100	100	100	100	100	100	100
10/6	100	100	100	100	100	100	100	100	100	100	100	100
10/7	100	100	100	100	100	100	100	100	100	100	100	100
10/8	100	100	100	100	100	100	100	100	100	100	100	100
10/9	100	100	100	100	100	100	100	100	100	100	100	100
10/10	100	100	100	100	100	100	100	100	100	100	100	100
10/11	100	100	100	100	100	100	100	100	100	100	100	100
10/12	100	100	100	100	100	100	100	100	100	100	100	100
10/13	100	100	100	100	100	100	100	100	100	100	100	100
10/14	100	100	100	100	100	100	100	100	100	100	100	100
10/15	100	100	100	100	100	100	100	100	100	100	100	100
10/16	100	100	100	100	100	100	100	100	100	100	100	100
10/17	100	100	100	100	100	100	100	100	100	100	100	100
10/18	100	100	100	100	100	100	100	100	100	100	100	100
10/19	100	100	100	100	100	100	100	100	100	100	100	100
10/20	100	100	100	100	100	100	100	100	100	100	100	100
10/21	100	100	100	100	100	100	100	100	100	100	100	100
10/22	100	100	100	100	100	100	100	100	100	100	100	100
10/23	100	100	100	100	100	100	100	100	100	100	100	100
10/24	100	100	100	100	100	100	100	100	100	100	100	100
10/25	100	100	100	100	100	100	100	100	100	100	100	100
10/26	100	100	100	100	100	100	100	100	100	100	100	100
10/27	100	100	100	100	100	100	100	100	100	100	100	100
10/28	100	100	100	100	100	100	100	100	100	100	100	100
10/29	100	100	100	100	100	100	100	100	100	100	100	100
10/30	100	100	100	100	100	100	100	100	100	100	100	100
10/31	100	100	100	100	100	100	100	100	100	100	100	100



Project Overview

Hayden CNG O&M

Scope of Operations & Maintenance (O&M) Services

- 24/7 Monitoring and support
- Emergency call out services
- Scheduled maintenance and emergency repairs
- All inclusive of labor, parts and consumables

Project Overview

Hayden CNG O&M

- Fleet at Hayden
 - Fleet is currently all CNG
 - 40ft – 155 CNG Coaches
 - HealthLine 60ft – 16 CNG Coaches

Project Overview

Hayden CNG O&M

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

Project Overview

Hayden CNG O&M

- Projected O&M cost based on:
 - Anticipated miles for 40ft and 60ft coaches
 - Estimated miles per MCF for 40ft and 60ft coaches
 - Calculated Diesel Gallon Equivalent (DGE)
- Monthly O&M costs = Rate X DGE Volume

Procurement Overview

Hayden CNG O&M

- Sole Source with Trillium Transportation Fuels, LLC dba Trillium CNG
 - Ohio Revised Code 306.43 H3
 - Original installer and provider of O&M service
 - Ohio Revised Code 306.43 H6
 - Proprietary nature of programmable logic control (PLC)

Procurement Overview

Hayden CNG O&M

- Procurement requested a proposal December 29, 2022
- A proposal was received January 31, 2023
- A 0% DBE goal was assigned to this project
- Proposal was reviewed by representatives of Accounting, Operations and Procurement

Procurement Overview

Hayden CNG O&M

Firm's Experience

- Leader in CNG station construction and fuel distribution in North America
- Extensive work with public transit agencies
- Operate & maintain over 220 CNG fueling stations in over 30 states
- Invest over \$40,000 in training for each mechanic

Procurement Overview

Hayden CNG O&M

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

Procurement Overview

Hayden CNG O&M

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.

Procurement Overview Hayden CNG O&M

Historical Pricing (\$ Per DGE)

Gallons per Month (DGE)	Year 3 of 3 Original Contract (2017-2018)	Year 1 of 5 Current Contract (2018-2019)	Year 5 of 5 Current Contract (2022-2023)	Year 1 of 5 Proposed Contract (2023-2024)	Year 2 of 5 Proposed Contract (2024-2025)	Year 3 - 5 Proposed Contract (2025-2028)
120,001 and above	\$0.205	\$0.180	\$0.212	\$0.212	\$0.242	\$0.262

* Subsequent years adjusted for CPI

Procurement Overview

Hayden CNG O&M

Recommendation

- Staff requests that the Organizational, Services & Performance Monitoring Committee recommend an award to Trillium Transportation Fuels, LLC dba Trillium CNG to provide Hayden CNG operations and maintenance services in an amount not to exceed \$3,200,000.00 for the five-year term

Questions/Comments