



**COMMONWEALTH OF VIRGINIA  
STANDARD CONTRACT**

Contract No. UCPJMU6837

This contract entered into this 22nd day of January 2024, by Blossman Gas, Inc. hereinafter called the "Contractor" and Commonwealth of Virginia, James Madison University called the "Purchasing Agency".

WITNESSETH that the Contractor and the Purchasing Agency, in consideration of the mutual covenants, promises and agreements herein contained, agree as follows:

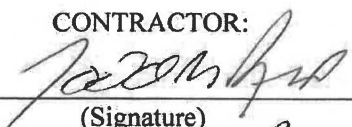
**SCOPE OF CONTRACT:** The Contractor shall provide the services to the Purchasing Agency as set forth in the Contract Documents.

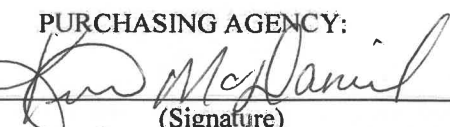
**PERIOD OF PERFORMANCE:** From February 1, 2024 through January 31, 2025 with four (4) one-year renewal options.

The contract documents shall consist of:

- (1) This signed form;
- (2) The following portions of the Request for Proposal RFP # KLM-1196 dated October 18, 2023
  - (a) The Statement of Needs,
  - (b) The General Terms and Conditions,
  - (c) The Special Terms and Conditions together with any negotiated modifications of those Special Conditions;
  - (d) Addendum No. One dated November 3, 2023
- (3) The Contractor's Proposal dated November 15, 2023 and the following negotiated modification to the Proposal, all of which documents are incorporated herein.
  - (a) Negotiations Summary, dated January 22, 2024

IN WITNESS WHEREOF, the parties have caused this Contract to be duly executed intending to be bound thereby.

CONTRACTOR:  
By:   
(Signature)  
TODD M. REINKE  
(Printed Name)  
Title: VP ADMINISTRATION

PURCHASING AGENCY:  
By:   
(Signature)  
Krista McDaniel  
(Printed Name)  
Title: Procurement Manager

## RFP # KLM-1196 Vehicle Conversion Services Negotiation Summary

1/22/2024

1. Contractor pricing shall be as follows:

<u>Make</u>	<u>Year</u>	<u>Model</u>	<u>Engine</u>	<u>VA</u>	<u>Installation</u>	<u>Shipping</u>	<u>Total Installed</u>
FORD	2020-	E-SERIES V8	7.3	\$4,800	\$2,350	\$400	\$7,750.00
FORD	2017-2019	E-SERIES V8	6.2	\$4,800	\$2,350	\$400	\$7,750.00
FORD	2016-2019	E-SERIES V10	6.8	\$6,200	\$2,350	\$400	\$8,950.00
FORD	2020-	EXPLORER	3.0	\$5,500	\$2,350	\$400	\$8,250.00
FORD	2020-	EXPLORER	3.3	\$4,800	\$2,350	\$400	\$7,750.00
FORD	2017-2019	EXPLORER	3.7	\$5,600	\$2,350	\$400	\$8,350.00
LINCOLN	2020-	AVIATOR	3.0	\$5,400	\$2,350	\$400	\$8,150.00
FORD	2023-	F150 V6	3.5 Ecoboost	\$5,800	\$2,350	\$400	\$8,550.00
FORD	2018-	F150 V6	3.3	\$5,000	\$2,350	\$400	\$7,750.00
FORD	2015-2017	F150 V6	3.5	\$5,200	\$2,350	\$400	\$7,950.00
FORD	2011-2014	F150 V6	3.7	\$5,200	\$2,350	\$400	\$7,950.00
FORD	2021-	F150 V8	5.0	\$5,700	\$2,350	\$400	\$8,450.00
FORD	2018-2020	F150 V8	5.0	\$5,900	\$2,350	\$400	\$8,650.00
FORD	2015-2017	F150 V8	5.0	\$5,600	\$2,350	\$400	\$8,350.00
FORD	2016-2022	F250/350	6.2	\$5,100	\$2,350	\$400	\$7,850.00
FORD	2023-	F250/350	6.8	\$4,800	\$2,350	\$400	\$7,750.00
FORD	2020-	F250/350	7.3	\$4,800	\$2,350	\$400	\$7,750.00
FORD	2020-	F450/550/600 V8	7.3	\$5,200	\$2,350	\$400	\$7,950.00
FORD	2017-2019	F450/550 V10	6.8	\$7,100	\$2,350	\$400	\$9,850.00
FORD	2017-2019	F650/750 V10	6.8	\$7,100	\$2,350	\$400	\$9,850.00
FORD	2020-	F650/750 V8	7.3	\$5,200	\$2,350	\$400	\$7,950.00
FORD	2020-	F59 V8	7.3	\$5,200	\$2,350	\$400	\$7,950.00
FORD	2020-	TRANSIT	3.5	\$5,400	\$2,350	\$400	\$8,150.00
FORD	2020-	TRANSIT	3.5 Ecoboost	\$5,600	\$2,350	\$400	\$8,350.00
FORD	2016-2019	TRANSIT	3.7	\$5,200	\$2,350	\$400	\$7,950.00
DODGE	2019-2020	CHARGER	3.6	\$4,900	\$2,350	\$400	\$7,850.00
DODGE	2021	CHARGER	5.7	\$4,900	\$2,350	\$400	\$7,850.00
DODGE	2013-2018	CHARGER	5.7	\$4,900	\$2,350	\$400	\$7,850.00

<u>Make</u>	<u>Year</u>	<u>Model</u>	<u>Engine</u>	<u>VA</u>	<u>Installation</u>	<u>Shipping</u>	<u>Total Installed</u>
GM	2021-	EXPRESS/SAVANNA	6.6	\$6,100	\$2,350	\$400	\$8,850.00
GM	2016-2020	EXPRESS/SAVANNA	6.0	\$6,500	\$2,350	\$400	\$9,250.00
GM	2020-	SILVERADO/SIERRA HD	6.6	\$5,900	\$2,350	\$400	\$8,650.00
GM	2016-2019	SILVERADO/SIERRA HD	6.0	\$6,700	\$2,350	\$400	\$9,450.00
GM	2019-2021	SILVERADO/SIERRA	5.3 L82/L84	\$6,100	\$2,350	\$400	\$8,850.00
GM	2017-2019	SILVERADO/SIERRA	5.3 L83	\$6,900	\$2,350	\$400	\$9,650.00
GM	2021-	SUV	5.3 L82/L84	\$6,400	\$2,350	\$400	\$9,150.00
GM	2017-2020	SUV	5.3 L83	\$6,400	\$2,350	\$400	\$9,150.00
RAM	2019-	1500	3.6	\$4,700	\$2,350	\$400	\$7,650.00
RAM	2019-	1500	5.7	\$4,800	\$2,350	\$400	\$7,750.00
RAM	2019-	2500-5500	6.4	\$5,200	\$2,350	\$400	\$7,950.00
RAM	2019	DURANGO	5.7	\$5,400	\$2,350	\$400	\$8,150.00
RAM	2016	PROMASTER	3.6	\$5,000	\$2,350	\$400	\$7,750.00
RAM	2014	PROMASTER	3.6	\$5,000	\$2,350	\$400	\$7,750.00
ISUZU	2012-2020	NPR	6.0	\$6,100	\$2,350	\$400	\$8,850.00
ISUZU	2020-	NPR	6.6	\$5,200	\$2,350	\$400	\$7,950.00
TOYOTA	2019-	Rav4	2.5L	\$4,900	\$2,350	\$400	\$7,850.00
TOYOTA	2020	Sienna	3.5L	\$5,000	\$2,350	\$400	\$7,950.00
TOYOTA	2015-2016	Camry	2.5L	\$4,800	\$2,350	\$400	\$7,750.00
TOYOTA	2023-	Camry	2.5L	\$4,600	\$2,350	\$400	\$7,550.00
TOYOTA	2023-	Camry Hybrid	2.5L	\$4,600	\$2,350	\$400	\$7,550.00

## RFP # KLM-1196 Vehicle Conversion Services Negotiation Summary

1/22/2024

Propane Cost per Gallon	Zone 1	Annual Gallons	Annual Gallons	Annual Gallons	Annual Gallons
		0-499,999	500,000-749,999	750,000-999,999	1,000,000-1,500,000
	Direct Cost-Apex	\$0.78	\$0.78	\$0.78	\$0.78
	Transportation	\$0.295	\$0.295	\$0.295	\$0.295
	Contractor Fee	<u>\$0.55</u>	<u>\$0.53</u>	<u>\$0.51</u>	<u>\$0.49</u>
	Contract Fee/Cost per Gallon	\$1.625	\$1.605	\$1.585	\$1.565
20% Renewable Propane per Gallon	Freight Belvieu TX-Apex NC	\$0.378	\$0.378	\$0.378	\$0.378
	20% Renewable Cost per Gallon	<b>\$2.003</b>	<b>\$1.983</b>	<b>\$1.963</b>	<b>\$1.943</b>
Propane Cost per Gallon	<b>Zone 2,3,4</b>				
	Direct Cost-Apex	\$0.78	\$0.78	\$0.78	\$0.78
	Transportation	\$0.23	\$0.23	\$0.23	\$0.23
	Contractor Fee	<u>\$0.55</u>	<u>\$0.53</u>	<u>\$0.51</u>	<u>\$0.49</u>
	Contract Fee/Cost per Gallon	\$1.56	\$1.54	\$1.52	\$1.49
20% Renewable Propane per Gallon	Freight Belvieu TX-Apex NC	\$0.378	\$0.378	\$0.378	\$0.378
	20% Renewable Cost per Gallon	<b>\$1.938</b>	<b>\$1.918</b>	<b>\$1.898</b>	<b>\$1.878</b>
Propane Cost per Gallon	<b>Zone 5,6,7,8,9</b>				
	Direct Cost-Apex	\$0.78	\$0.78	\$0.78	\$0.78
	Transportation	\$0.16	\$0.16	\$0.16	\$0.16
	Contractor Fee	<u>\$0.55</u>	<u>\$0.53</u>	<u>\$0.51</u>	<u>\$0.49</u>
	Contract Fee/Cost per Gallon	\$1.49	\$1.47	\$1.45	\$1.43
20% Renewable Propane per Gallon	Freight Belvieu TX-Apex NC	\$0.378	\$0.378	\$0.378	\$0.378
	20% Renewable Cost per Gallon	<b>\$1.868</b>	<b>\$1.848</b>	<b>\$1.828</b>	<b>\$1.808</b>

- a. The \$400.00 shipping cost relates to the cost of shipping a vehicle to the Certified Conversion Center for installation.
  - b. Contractor shall agree that all fees have been disclosed. No additional fees will be accepted.
2. Contractor shall be responsible for providing the University with quarterly spend reports for any SWaM Subcontractor utilization or spend.
3. Contractor agrees that the VHEPC PAC Agreement shall be incorporated as a part of this contract.
4. Any change in the scope or pricing described herein shall be mutually agreed upon by the Purchasing Agency and Contractor with all changes first being authorized through either a contract modification and/or a change order issued by the Purchasing Agency.
5. Parties agree that this Negotiation Summary modifies RFP # KLM-1196 and the Contractor's initial response to RFP # KLM-1196, and in the event of conflict this negotiation summary shall take precedence.
6. Contractor agrees that all exceptions taken within their initial response to RFP # KLM-1196 that are not specifically addressed within this negotiation summary are null and void.

**AGREEMENT  
PUBLICLY ACCESSIBLE CONTRACT (PAC)**

This Agreement, effective the 22<sup>nd</sup> day of January, is by and between James Madison University (the "University"), on behalf of the Virginia Higher Education Procurement Consortium (the "Consortium") (collectively the "University"), and Blossman Gas, Inc., ("Vendor").

**TERM**

The term of this Agreement shall begin February 1, 2024 to January 31, 2025 with (4) four one-year renewal options, and an expected final expiration date of January 31, 2029. This end date coincides with the Primary Agreement's (UCPJMU6387) end date.

**WITNESS**

WHEREAS, the University and Vendor have executed an agreement, UCPJMU6387, dated January 22, 2024 (the "Primary Agreement"), and included in the Primary Agreement is a third-party access / cooperative clause. Now therefore, the University and Vendor wish to express in this Agreement the specific terms that will allow third party access to the Primary Agreement.

Accordingly, and in consideration of the mutual premises and provisions hereof, the parties hereby agree as follows:

- I. Vendor will:
  - A. Pay the University 1% of all sales to accessing entities outside of the Consortium membership associated with the Primary Agreement (as the "PAC Annual Fee"). The PAC Annual Fee will be paid in exchange for marketing services provided by the University and the Consortium described below in Section II.
  - B. Fully support this marketing relationship by promoting the availability of the Primary Agreement to non-Consortium entities;
  - C. Provide quarterly sales reports detailing the amount of sales to each non-Consortium accessing entity; and
- II. The University/Consortium will:
  - A. Promote the Primary Agreement on its website and through other channels (e.g., conferences) to non-Consortium members
  - B. Maintain an approved version of Vendor's logo on the Consortium website

### III. Payment

- A. Payment of PAC Annual Fee will arrive at the University no later than August 31<sup>st</sup> of each year. The University and Consortium will share the payments equally and allocate payments to the appropriate accounts.

In the event of early termination of the Primary Agreement, this residual payment will arrive at the University no later than 45 calendar days from termination date of the Primary Agreement.

- B. Payment of PAC Annual Fee will take the form of a check. Checks will be made payable to the University of Virginia and sent to:

Constance Alexander, Office Manager  
Procurement and Supplier Diversity Services  
University of Virginia, Carruthers Hall  
PO Box 400202  
1001 N. Emmet Street  
Charlottesville, VA 22904

### IV. Notices

Any notice required or permitted to be given under this Agreement will be in writing and will be deemed duly given: (1) if delivered personally, when received; (2) if sent by recognized overnight courier service, on the date of the receipt provided by such courier service; (3) if sent by registered mail, postage prepaid, return receipt requested, on the date shown on the signed receipt; or (4) if sent by electronic mail, when received (as verified by the email date and time) if delivered no later than 4:00 p.m. (receiver's time) on a business day or on the next business day if delivered (as verified by sender's machine) after 4:00 p.m. (receiver's time) on a business day or on a non-business day. All such notices will be addressed to a party at such party's address as shown below.

If to the University:

Krista McDaniel, Manager  
JMU Procurement Services  
752 Ott Street, MSC5720  
Harrisonburg, VA 22807

If to Vendor:

~~Steve McCoy~~ **TODD REINKE**  
Blossman Gas, Inc.  
PO Box 1110  
Ocean Springs, MS 39566  
Email: ~~smccoy@blossmangas.com~~  
**tureinke**

ACCEPTANCE

For James Madison University

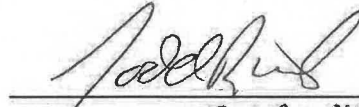


Krista McDaniel  
Procurement Manager

1/26/2024

Date

For Blossman Gas, Inc.



Steve McCoy ~~TOO REINKE~~  
VP Business Development ADMINISTRATION

1/26/24

Date

Agreement #: UCPJMU6387-PAC

# REQUEST FOR PROPOSAL

## RFP# KLM-1196

Issue Date: October 18, 2023  
Title: Vehicle Conversion Services & Related Materials  
Issuing Agency: Commonwealth of Virginia  
James Madison University  
Procurement Services MSC 5720  
752 Ott Street, Wine Price Building  
First Floor, Suite 1023  
Harrisonburg, VA 22807

Period of Contract: From Date of Award Through One Year (Renewable)

Sealed Proposals Will Be Received Until 2:00 PM on November 16, 2023 for Furnishing The Services Described Herein.

*SEALED PROPOSALS MAY BE MAILED, EXPRESS MAILED, OR HAND DELIVERED DIRECTLY TO THE ISSUING AGENCY SHOWN ABOVE.*

All Inquiries For Information And Clarification Should Be Directed To: Krista McDaniel, Procurement Manager, Procurement Services, [nealiskl@jmu.edu](mailto:nealiskl@jmu.edu); 540-568-3130; (Fax) 540-568-7935.

**NOTE: THE SIGNED PROPOSAL AND ALL ATTACHMENTS SHALL BE RETURNED.**

In compliance with this Request for Proposal and to all the conditions imposed herein, the undersigned offers and agrees to furnish the goods/services in accordance with the attached signed proposal or as mutually agreed upon by subsequent negotiation.

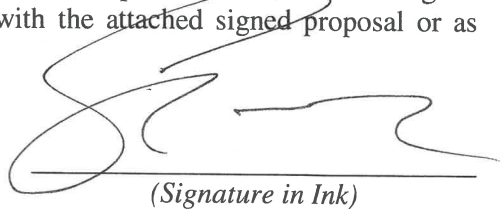
Name and Address of Firm:

Blossman Gas, Inc.

P.O. Box 1110

Ocean Springs, MS 39566

By:

  
(Signature in Ink)

Name:

Steve McCoy  
(Please Print)

Date: November 15, 2023

Title: V.P. Business Development

Web Address: [www.blossmangas.com](http://www.blossmangas.com)

Phone: 540-414-2817

Email: [smccoy@blossmangas.com](mailto:smccoy@blossmangas.com)

Fax #:

ACKNOWLEDGE RECEIPT OF ADDENDUM: #1 SM #2 \_\_\_\_\_ #3 \_\_\_\_\_ #4 \_\_\_\_\_ #5 \_\_\_\_\_ (please initial)

SMALL, WOMAN OR MINORITY OWNED BUSINESS:

☐ YES; ☒ NO; IF YES  $\Rightarrow$  ☐ SMALL; ☐ WOMAN; ☐ MINORITY IF MINORITY: ☐ AA; ☐ HA; ☐ AsA; ☐ NW; ☐ Micro

Note: This public body does not discriminate against faith-based organizations in accordance with the Code of Virginia, § 2.2-4343.1 or against an offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

# ***REQUEST FOR PROPOSAL***

***RFP # KLM-1196***

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## B. Specific Proposal Instructions (pg. 9 of RFP)

### IV. STATEMENT OF NEEDS (pg. 6,7 of RFP)

A. Contractor shall make available to any Public Body the following:

1. Propane for vehicle fueling
2. Conversion of user-owned vehicle for propane operation
3. Fueling infrastructure

2. Plan and methodology for providing the goods/services as described in Section IV. Statement of Needs of this Request for Proposal.

A. The selected vehicle conversion service provider will be responsible for the following:

1. **Vehicle Assessment:** Consultation occurs between Public Entity Fleet Director and Blossman Gas AutoGas Expert to Identify suitable vehicle candidates for conversion.
  - a. Present EPA and/or CARB certified conversion equipment details and a price per vehicle platform which will be accessible for public government fleets.
    1. All vehicle fuel systems offered by Blossman Gas carry an EPA Certification. Complete list of EPA Certified Vehicle Platforms are listed in the Application Guide, **Appendix A**
    2. Prices for EPA Certified Vehicle Systems offered by Alliance AutoGas are listed in the 2023 Product Guide, **Appendix B**
2. **Conversion Process:** Identified vehicles are sent to Certified Conversion Center, converted with the Prins/Westport EPA Certified Bi-Fuel AutoGas System, and Returned to Fleet.
  - a. Procure and install all necessary conversion equipment, including fueling systems, or propane conversion kits.
    1. All systems procured from Blossman Services and shipped to Conversion Center.
  - b. Ensure compliance with all safety standards and regulations pertaining to vehicle conversions.
    1. All safety standards and regulations from NFPA, DOT, and FMCSA strictly adhered to and inspected.
  - c. Conduct rigorous testing and quality assurance checks to ensure the converted vehicles operate safely and efficiently.
    1. All conversion centers, as part of their training, go through a detailed Installation Guide for each Vehicle Platform. All on going maintenance centers receive training to inspect the AutoGas tank and system components to ensure on going rigorous safety and efficiency protocols.

### 3. Training:

- a. Provide training to our maintenance personnel on the maintenance and servicing of converted vehicles.
  - 1. All ongoing maintenance personnel and maintenance centers receive initial training and annual retraining.
- b. Offer training to our drivers on the proper operation and safety protocols associated with the use of alternative fuel vehicles.
  - 1. All drivers, operating alternative fueled vehicles, receive initial and annual training on the proper operation and safety protocols associated with the use of alternative fueled vehicles.

### 4. Ongoing Support:

- a. Provide ongoing maintenance and support services for the converted vehicles, including troubleshooting and repairs as needed.
  - 1. Our Certified Service Center Network is constantly expanding and training for support, troubleshooting, and repairs of converted vehicles.
- b. Contractor will provide a listing of vendors that can re-certify existing conversion equipment.
  - 1. A list of our Network of Certified Service Centers will be made available for re-certification of existing conversion equipment.
- c. Supply a reliable source of alternative fuel (if applicable).
  - 1. Supplying a reliable source of propane AutoGas, and Renewable propane AutoGas is 'at the core' of what we do at Blossman Gas and our Subcontractor Gas Supplier for the VA Tidewater Area, Phillips Energy Inc. Between our two Companies we currently supply and sell over 150,000,000 gallons of Conventional and Renewable Propane and serve approximately 130,000 customers.

- B.** Fuel pricing shall be comprised of direct fuel costs, transportation costs, and a contractor fee. The transportation costs and contractor fee may be evaluated annually. Fuel pricing is requested also for renewable propane for fuel cost and agreement to disclose modeled lifecycle carbon intensity compared with gasoline.

- 1. A fuel pricing matrix, as instructed above, is Included in the RFP response as **Appendix C**.
- 2. Blossman Gas will disclose modeled lifecycle carbon intensity compared to gasoline from PERC and other Nationally recognized testing labs.

- C. Pricing for conversion services will be modified as additional OEM and conversion solutions are made available. Conversions hereunder will not invalidate any manufacturer warranty covering the vehicle. **Answer:** Current Conversion EPA Platforms and Associated Cost, Appendix B and D.
- D. Contractor will provide training to Public Bodies, at no cost, on the use of the propane fueling set-up. **Answer:** Mandatory for Blossman Gas 2X per year and document attendees.
- E. All other reasonable training (virtual, vehicle maintenance, first responder, other) shall be provided at no additional cost once a Public Body begins to purchase fuel, or purchase vehicle conversions. **Answer:** Already in place at Blossman Gas and Blossman Services.
- F. Contractor will work to market, promote, and identify opportunities to expand Propane and renewable propane solutions to Public Bodies across the Commonwealth of Virginia. **Answer:** Blossman Gas has an experienced and trained staff doing that on a daily basis and has been for 10+ years in the Commonwealth of Virginia.
- G. Contractor will conduct monthly updates, either face-to-face or via teleconference, to discuss status of deployed propane solutions, identify opportunities for implementing propane solutions across the Commonwealth of Virginia. **Answer:** Yes, absolutely.

## B. Specific Proposal Instructions (continued page 9 RFP)

3. A written narrative statement to include, but not be limited to, the expertise, qualifications, and experience of the firm and resumes of specific personnel to be assigned to perform the work.

### **Blossman Gas, Inc.**

In 1951, E.W. (Woody) Blossman created Blossman Gas in Ocean Springs, MS. In the beginning all Blossman employees were on call 24/7 in support of "Mr. B's" philosophy – "don't leave 'em cold".

Blossman Gas is the largest privately held propane retailer in the U.S. We have been in business since 1951 and our corporate headquarters is in Ocean Springs, MS. **We have over 80 retail outlets in 15 Southeastern and Mid-Atlantic states serving over 125,000 customers, by almost 1000 Team Members. Our fleet consist of over 800 vehicles, of which, over 75% are converted to propane AutoGas using our Prins/Westport EPA Fuel System.**

We also specialize in commercial gas programs for restaurants, laundromats, condominiums, cylinder refueling, commercial agricultural applications, gas standby systems, large quantity tank installations, temporary cooking, temporary hot water, temporary heat and propane gas in cylinder and bulk. Additionally, we offer a full range of services to the residential and commercial contractor including appliance packages, underground tank installations, gas piping, standby generator sales and installations, and many other services.

Blossman Gas, through our Divisions, Alliance AutoGas and Blossman Services, is the U.S. Manufacturer of Record of the Prins/Westport EPA Certified Bi-Fuel Propane Vehicle AutoGas

fuel systems. Established in 2008, Alliance AutoGas and Blossman Services has supplied its EPA Certified Systems to over 40,000 fleet vehicle owners, thereby saving fleets Millions of Dollars in Fuel Operating Cost and saving our planet from hundreds of thousands of tons of GHG and other harmful emissions. In terms of AutoGas Refueling Infrastructure, Blossman Gas and its Alliance AutoGas Partner AutoGas Marketers have deployed hundreds of State of the Art, Refueling Stations across the U.S. and Blossman Gas is continually investing in its People to engineer, develop, and bring to market, new technologies that will further AutoGas deployment in the U.S. and around the World. **Technologies such as redundant filtration on AutoGas Refueling Stations, we make mandatory in our supplied refueling infrastructure whereas other marketers, do not. Also, we have pioneered the Euro Fill Refueling Nozzle and connecting vehicle fitting, thereby increasing safety and improving user experience which has resulted in moving the U.S. AutoGas industry to Public Refueling, just like gasoline and diesel.**

Blossman Gas, and its U.S. West Coast partner marketer Blue Star Gas, in 2016, were the first propane Company's in the U.S. to purchase and distribute Renewable Propane. That first contract in 2016, brought the first 6 million Renewable Propane gallons annually to the U.S. In 2022, Blossman Gas and Blue Star Gas, entered another supply contract with the same Renewable Propane producer, and over the next 5 years, will bring to market, another 10 million gallons annually of Renewable Propane. Furthermore, Blossman Gas' CEO, Stuart Weidie in 2022, founded a consortium of like-minded, Producers, Mid-Stream Entities, and Propane Partner Marketers to bring an additional 10 million gallons of Renewable Propane to market by 2025, growing to 100 million gallons of Renewable Propane to market by 2030. These investments in Renewable Propane AutoGas will further reduce AutoGas' Carbon Intensity to ZERO by 2030.

Blossman Gas currently serves numerous large, multi-location, accounts, including The State of Alabama bid for propane, The State of Florida bid for LP Gas, and the Commonwealth of Virginia bid for propane.

Blossman Gas has built our reputation and success by taking care of our customers after the sale with most of our growth over our 71-year history coming from referrals from existing customers. We believe that if you take care of your customers and give them good value with excellent service, they will continue to do business with you and will tell others about your service.

We provide a primary point of contact for every multi-location account we serve to ensure that whether it is billing, delivery, service, or any other issue, we will respond appropriately and promptly. We also have a live 24/7 answering service with trained "on call" personnel to respond to emergencies, and/or requests for service.

4. Offeror Data Sheet, included as *Attachment A* to this RFP. **Answer:** Completed and Included as Attachment A.

5. Small Business Subcontracting Plan, included as *Attachment B* to this RFP. Offeror shall provide a Small Business Subcontracting plan which summarizes the planned utilization of Department of Small Business and Supplier Diversity (SBSD)-certified small businesses which include businesses owned by women and minorities, when they have received Department of Small Business and Supplier Diversity (SBSD) small business certification, under the contract to be awarded as a result of this solicitation. This is a requirement for all prime contracts in excess of \$100,000 unless no subcontracting opportunities exist.  
**Answer:** Completed and included as Attachment B and B (cont.)
6. Identify the amount of sales your company had during the last twelve months with each VASCUPP Member Institution. A list of VASCUPP Members can be found at: [www.VASCUPP.org](http://www.VASCUPP.org). **Answer:** JMU, approximately \$10,000
7. Proposed Cost. See Section X. Pricing Schedule of this Request for Proposal

## VII. PRICING SCHEDULE (pg. 23,24 of RFP)

The offeror shall provide pricing for all products and services included in proposal indicating one-time and on-going costs. The resulting contract will be cooperative and pricing shall be inclusive for the attached Zone Map, of which JMU falls within Zone 2. Contractor can optionally present pricing on a per-zone detail.

**Fuel pricing shall be comprised of direct fuel costs, transportation costs, and a contractor fee, as follows:**

1. Propane direct fuel costs: Direct fuel pricing shall be the average Apex N.C. terminal price per gallon as posted in the Butane-Petroleum News (BPN) Weekly Propane newsletter every Thursday. Apex price per gallon shall be adjusted weekly, based on prices posted in the Thursday BPN Newsletter, to be effective the following Monday at 12:00 a.m. with pricing good through Sunday at 11:59 p.m.
2. Transportation costs: shall be provided for delivery to any location in the Commonwealth of Virginia where the Contractor has agreed to install and maintain propane infrastructure at no cost to a Public Body. Any change in the fee shall require the approval of the University and shall be documented in the form of a modification to the Agreement.
3. Contractor fee: This fee is inclusive of the Contractor's indirect costs and profit. Fee shall be charged on a sliding fee basis as documented in the table below. The sliding fee will be re-evaluated annually to determine if a change in the fee is necessary. Any change in the fee shall require the approval of the University, and shall be documented in the form of a modification to the Agreement.
  - a. Total volume usage for all users under this Agreement will be evaluated quarterly and will be used to estimate annual gallons consumed. This evaluation shall be based on trailing 12-month average, with the initial trailing average based on the

annualized actual number of months elapsed since execution of the Agreement. The preceding quarter price will be adjusted accordingly based on the following schedule:

Annual Gallons	Contract Fee per Gallon
0 – 499,000	
500,000 – 749,999	
750,000 – 999,999	
1,000,000 – 1,499,999	
1,500,000 – 1,999,999	
2,000,000 – 2,499,999	
2,500,000 – 2,999,999	
Etc.	

**Example based off October 2023 Apex Pricing**

Propane Price per Gallon	
Direct Cost, Apex	\$.86
Transportation	\$0.10
Contractor Fee	\$0.10
Total	\$1.06/gallon

**Answer:** Propane AutoGas and Renewable Propane AutoGas Pricing is provided as instructed, by zone, in Appendix C.

Contractor agrees to provide aftermarket vehicle conversion services for vehicles purchased by Public Bodies. Conversion kits are available from various manufacturers.

1. Aftermarket conversions will only be done on vehicles in which contractor or manufacturer of record holds EPA certifications. Converted vehicles will meet U.S. Government Standards for sale in the Commonwealth of Virginia. EPA Emissions Certification is available upon request. A listing of EPA certified vehicle conversions will be maintained and updated on Contractors or subcontractor websites. **Answer:** Blossman Gas is the Manufacturer of Record for the Prins/Westport EPA Certified Bi-Fuel Engine System. A complete list of current EPA Certified Platforms is included as Appendix A.
2. **Warranty:** Vehicle conversions shall not impact applicable manufacturer warranties upon the vehicles. Contractor warrants that all materials and equipment related to a vehicle conversion shall be fully guaranteed against defects in material, workmanship, and operate in accordance with all original equipment manufacturer (OEM) operating standards and performance specifications for a minimum period of three (3) years or 30,000 miles, whichever comes first, following the date the converted vehicle is received by the Public Body from the Contractor after the vehicle conversion is completed. Should any defect be noted by the Public Body, then the Public Body will notify the Contractor of such defect or non-conformance. Such notification will state that the Contractor shall replace or correct the defect or non-conformance issue. The Contractor shall correct or replace equipment, at no cost to the Public Body, which shall be

subject to all provisions of this clause to the same extent as the equipment initially delivered. If the Contractor refuses to replace or correct the deficiency, or fails to replace or correct after three tries, then the Public Body may have the equipment corrected or replaced with similar items and charge the Contractor for the costs.

- a. In addition to the minimum three (3) year warranty period as requested above, provide a pricing for five (5) year/60,000 miles and a ten (10) year/90,000 miles warranty.

**Answer:** Blossman Services/Prins Warranty is included in the purchase price and only if installed by a Certified Conversion Center. If vehicle, at time of conversion, has 5000 miles or less on the odometer, carries a 5 year/100,000 miles warranty. If the vehicle, at time of conversion, has more than 5000 miles on the odometer, the warranty is 3 years/36,000 miles.

3. Vehicle Publications: The Contractor must furnish the following with each conversion (1 copy each per vehicle): New Vehicle Warranty Information Manual New Vehicle Owner's Manual Manufacturer's Statement of Origin (MSO) Delayed Warranty Start Form, and any other such documents as necessary for delivery. **Answer:** Blossman Gas will leave any/all OE Vehicle Publications in said vehicles and will include Prins/Westport owner's manual and warranty information in the converted vehicle.
4. Vehicle Delivery Schedule: The Public Body and Contractor shall discuss and develop a delivery schedule for completion of all conversion services prior to issuance of a purchase order. **Answer:** Yes, absolutely.
5. Pricing includes shipping/transportation, pick-up from the Public Body's site and delivery to the Contractor's conversion site, then transport back to the Public Body site once conversion is complete. Pricing also includes all labor for the conversion, as well as labor, parts, and materials to install and make operational the conversion to comply with all vehicle warranty requirements and specifications. Pricing for vehicle systems, shipping/transportation, turn key, is listed by OE Platform in Appendix B, included.
6. New or Conversions:

System	Price
Title of system or vehicle platform level detail and/or links to vendor page	Price in US Dollars

Specify any associated charge card processing fees, if applicable, to be billed to the University.

**Answer:** Pricing for systems, installed, including shipping/transportation/freight is listed and included in Appendix B.

## ATTACHMENT A

### OFFEROR DATA SHEET

#### TO BE COMPLETED BY OFFEROR

1. **QUALIFICATIONS OF OFFEROR:** Offerors must have the capability and capacity in all respects to fully satisfy the contractual requirements.
2. **YEARS IN BUSINESS:** Indicate the length of time you have been in business providing these types of goods and services.

Years 72 Months           

3. **REFERENCES:** Indicate below a listing of at least five (5) organizations, either commercial or governmental/educational, that your agency is servicing. Include the name and address of the person the purchasing agency has your permission to contact.

CLIENT	LENGTH OF SERVICE	ADDRESS	CONTACT PERSON/PHONE #
Chesterfield Co.	10 years	PO Box 610, Chesterfield	Craig Willingham 804.919.3522
University of Richmond/Groome Trans.	11 years		Roderick Washington-Groome. 936.402.3501
City of Roanoke	9 years		Wayne Farley 850.598.6706
Roy Jorgensen	12 years		Bruce Bartoe 443.994.8309
JMU	11 years		Doug Judy 401.935.0054

4. List full names and addresses of Offeror and any branch offices which may be responsible for administering the contract.

Powhatan Branch, 2009 New Dorset Rd., Powhatan VA 23139 Jeff Jenkins-General Manager

Gordonsville Branch, 207 S. Main St., Gordonsville VA 22942 Lukas Glass-Branch Manager

Weyers Cave Branch, 7162 Cross Keys Rd., Mt. Crawford VA 22841 Patrick Kelliher-Branch Manager

Bedford Branch, 1088 Moneta Rd., Bedford VA 24523 Jamison Walker-Regional Manager

Fredericksburg Branch, 11001 Houser Dr., Suite 27, Fredericksburg VA 22408 Josh Ennis-Branch Manager

5. **RELATIONSHIP WITH THE COMMONWEALTH OF VIRGINIA:** Is any member of the firm an employee of the Commonwealth of Virginia who has a personal interest in this contract pursuant to the [CODE OF VIRGINIA](#), SECTION 2.2-3100 – 3131?

[ ] YES [ X ] NO

IF YES, EXPLAIN: \_\_\_\_\_

## ATTACHMENT B

Small, Women and Minority-owned Businesses (SWaM) Utilization Plan

Offeror Name: Blossman Gas, Inc.

Preparer Name: Steve McCoy

Date: 11/15/2023

Is your firm a **Small Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes \_\_\_\_\_ No **X**

If yes, certification number: \_\_\_\_\_ Certification date: \_\_\_\_\_

Is your firm a **Woman-owned Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes \_\_\_\_\_ No **X**

If yes, certification number: \_\_\_\_\_ Certification date: \_\_\_\_\_

Is your firm a **Minority-Owned Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes \_\_\_\_\_ No **X**

If yes, certification number: \_\_\_\_\_ Certification date: \_\_\_\_\_

Is your firm a **Micro Business** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes \_\_\_\_\_ No **X**

If yes, certification number: \_\_\_\_\_ Certification date: \_\_\_\_\_

**Instructions:** *Populate the table below to show your firm's plans for utilization of small, women-owned and minority-owned business enterprises in the performance of the contract. Describe plans to utilize SWaMs businesses as part of joint ventures, partnerships, subcontractors, suppliers, etc.*

**Small Business:** "Small business " means a business, independently owned or operated by one or more persons who are citizens of the United States or non-citizens who are in full compliance with United States immigration law, which, together with affiliates, has 250 or fewer employees, or average annual gross receipts of \$10 million or less averaged over the previous three years.

**Woman-Owned Business Enterprise:** A business concern which is at least 51 percent owned by one or more women who are U.S. citizens or legal resident aliens, or in the case of a corporation, partnership or limited liability company or other entity, at least 51 percent of the equity ownership interest in which is owned by one or more women, and whose management and daily business operations are controlled by one or more of such individuals. **For purposes of the SWaM Program, all certified women-owned businesses are also a small business enterprise.**

**Minority-Owned Business Enterprise:** A business concern which is at least 51 percent owned by one or more minorities or in the case of a corporation, partnership or limited liability company or other entity, at least 51 percent of the equity ownership interest in which is owned by one or more minorities and whose management and daily business operations are controlled by one or more of such individuals. **For purposes of the SWaM Program, all certified minority-owned businesses are also a small business enterprise.**

**Micro Business** is a certified Small Business under the SWaM Program and has no more than twenty-five (25) employees **AND** no more than \$3 million in average annual revenue over the three-year period prior to their certification.

**All small, women, and minority owned businesses must be certified by the Commonwealth of Virginia Department of Small Business and Supplier Diversity (SBSD) to be counted in the SWaM program. Certification applications are available through SBSD at 800-223-0671 in Virginia, 804-786-6585 outside Virginia, or online at <http://www.sbsd.virginia.gov/> (Customer Service).**

***RETURN OF THIS PAGE IS REQUIRED***

**ATTACHMENT B (CNT'D)**  
**Small, Women and Minority-owned Businesses (SWaM) Utilization Plan**

Procurement Name and Number: Vehicle Conversion Services & Related Material KLM-1196  
Completed: November 15, 2023

Date Form

Listing of Sub-Contractors, to include, Small, Woman Owned and Minority Owned Businesses  
for this Proposal and Subsequent Contract

Offeror / Proposer:

Blossman Gas, Inc.  
Firm

P.O. Box 1110 Ocean Springs, MS 39566  
Address

Steve McCoy 540-414-2817  
Contact Person/No.

Sub-Contractor's Name and Address	Contact Person & Phone Number	SBSD Certification Number	Services or Materials Provided	Total Subcontractor Contract Amount (to include change orders)	Total Dollars Paid Subcontractor to date (to be submitted with request fo payment from JMU)
Phillips Energy, Inc. 2586 George Washington Memorial Hwy. Hayes VA 23072	Elizabeth McCormick- 804-642-2166 John Phillips-804-695- 4661	659373	Propane and Renewable Propane  Propane Refueling Infrastructure	\$700,000./year	
Jim's Handymart dba Jim Whelan's Service Center 2156-B County Drive, Petersburg VA 23803	Jim Whelan 804-732-3005	54-1272360 FEIN #	Certified Conversion and Service Center	\$687,500./year	



## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

APPLICATION GUIDE – OCTOBER 2023

### Application:

This guide is designed to assist as a reference for the *Sales Representative* in making a determination as to whether a specific vehicle/engine combination is covered by an EPA or CARB approval, has a conversion system available and the required certification level of the installation technician.

To be certain that your installation will be EPA compliant, please be sure that your OEM Test Group and OEM Evaporative Group are listed on this document.

### Installation Technician Certification Levels (TCL):

- **A = Conversion Level** – Has been extensively trained and can adapt a universal system to a specific vehicle platform. Is able to make responsible decisions about component placement, mounting, etc.
- **B = Installer level** – Has been trained on the installation and entry-level diagnostics of “Plug n Play” systems only.
- **C = Maintenance level** – Has been trained on basic maintenance of the VSI systems (e.g., filter replacement, pressure adjustments, and entry-level diagnostics)
- **S = Small Engines** – Has been trained on the conversion of small engine platforms. Is able to make responsible decisions about component placement, mounting, etc.

**Ready To Ship (RTS):** “✓” = ready to ship

### Alliance Autogas Systems Training Dates:

Autogas Systems Training events are held regularly at our R&D facility in Asheville, NC. Please contact Jeff Early [jeary@blossmangas.com](mailto:jeary@blossmangas.com) to reserve your place to attend a training event for any of the following dates:

**2023 October** (10/10-10/12), **November** (11/14-11/15)

### Terminology Key:

- “INTERESTED” = We have strong interest in this platform and have pending commitments
- “COMMITTED” = We have committed to certifying this platform in the near future as quickly as reasonable
- “IN DEVELOPMENT” = We have the test vehicle under construction and are preparing it for testing
- “TESTING” = Vehicle testing currently in progress
- “PENDING” = All testing complete, paperwork being filed with EPA
- All vehicles listed with a ‘BSI Test Group’ or ‘BSI EPA Test Group’ number have EPA approvals

If you have any questions regarding EPA approvals, please email us at [info@AllianceAutogas.com](mailto:info@AllianceAutogas.com) or call 1-800-4AUTOGAS and it would be our pleasure to assist you.

### New features & highlights for October 2023:

- 2023 Ford F250 6.8L approved
- 2023 Ford F350 6.8L approved

Appendix A

## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

### APPLICATION GUIDE – OCTOBER 2023

#### Ford Motor Company Powertrains:

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
FORD MOTOR COMPANY TRUCKS										
2023	3.0L PFDIt	Ford Explorer (EcoBoost) RWD/AWD						PFMXT03.03U2	PFMXR0185NDG	PBLMT03.03U2
2023	3.0L PFDIt	Ford Explorer (EcoBoost) Interceptor Utility						PFMXT03.03U2	PFMXR0185NDG	PBLMT03.03U2
2022	3.0L PFDIt	Ford Explorer (EcoBoost) RWD/AWD						NFMXT03.03U2	NFMXR0185NDG	PBLMT03.03UN
2022	3.0L PFDIt	Ford Explorer (EcoBoost) Interceptor Utility						NFMXT03.03U2	NFMXR0185NDG	PBLMT03.03UN
2021	3.0L PFDIt	Ford Explorer (EcoBoost) RWD/AWD						MFMXT03.03U2	MFMXR0170NDG	PBLMT03.33UM
2021	3.0L PFDIt	Ford Explorer (EcoBoost) Interceptor Utility						MFMXT03.03U2	MFMXR0170NDG	PBLMT03.33UM
2021	3.0L PFDIt	Ford Explorer (EcoBoost) RWD/AWD						MFMXT03.03U2	MFMXR0185NDG	PBLMT03.33UM
2021	3.0L PFDIt	Ford Explorer (EcoBoost) Interceptor Utility						MFMXT03.03U2	MFMXR0185NDG	PBLMT03.33UM
2020	3.0L PFDIt	Ford Explorer (EcoBoost) RWD/AWD						LFMXT03.03U2	LFMXR0170NDG	PBLMT03.33UL
2020	3.0L PFDIt	Ford Explorer (EcoBoost) Interceptor Utility						LFMXT03.03U2	LFMXR0170NDG	PBLMT03.33UL
2023	3.3L PFDI	Explorer AWD	✓	Partial		✓		PFMXT03.33U3	PFMXR0185NDF	PBLMT03.3U3
2023	3.3L PFDI	Explorer Interceptor Utility AWD	✓	Partial		✓		PFMXT03.33U3	PFMXR0185NDG	PBLMT03.3U3
2022	3.3L PFDI	Explorer AWD	✓	Partial		✓		NFMXT03.33U3	NFMXR0185NDF	NBLMT03.3U3
2022	3.3L PFDI	Explorer Interceptor Utility AWD	✓	Partial		✓		NFMXT03.33U3	NFMXR0185NDG	NBLMT03.3U3
2021	3.3L PFDI	Explorer RWD/4WD	✓	Partial		✓		MFMXT03.33U3	MFMXR0170NDF	LBLMT03.3UM
2021	3.3L PFDI	Explorer RWD/4WD	✓	Partial		✓		MFMXT03.33U3	MFMXR0170NDG	LBLMT03.3UM
2020	3.3L PFDI	Explorer RWD/4WD	✓	Partial		✓		LFMXT03.33U3	LFMXR0170NDF	LBLMT03.3U3
2020	3.3L PFDI	Explorer RWD/4WD	✓	Partial		✓		LFMXT03.33U3	LFMXR0170NDG	LBLMT03.3U3
2019	3.5L	Explorer FWD,AWD	✓	✓	✓	✓	B	KFMXT03.73DM	KFMXR0145GBC	KBLMT03.73DM
2019	3.5L	Explorer FWD,AWD	✓	✓	✓	✓	B	KFMXT03.73E8	KFMXR0145GBC	KBLMT03.73DM
2018	3.5L	Explorer FWD,AWD	✓	✓	✓	✓	B	JFMXT03.73DM	JFMXR0145GBC	JBLMT03.73DM
2018	3.5L	Explorer FWD,AWD	✓	✓	✓	✓	B	JFMXT03.73E8	JFMXR0145GBC	JBLMT03.73DM
2017	3.5L	Explorer FWD,AWD	✓	✓	✓	✓	B	HFMXT03.73DM	HFMXR0145GBC	HBLMT03.73DM
2017	3.5L	Explorer FWD,AWD	✓	✓	✓	✓	B	HFMXT03.73E8	HFMXR0145GBC	HBLMT03.73DM
2022	3.5L PFDIt	Expedition (EcoBoost)		Partial		✓				ON HOLD
2021	3.5L PFDIt	Expedition (EcoBoost)		Partial		✓				ON HOLD
2019	3.7L	Explorer - Police Interceptor AWD Utility & Cargo	✓	✓	✓	✓	B	KFMXT03.73DM	KFMXR0145GBC	KBLMT03.73DM
2019	3.7L	Explorer - Police Interceptor AWD Utility & Cargo	✓	✓	✓	✓	B	KFMXT03.73E8	KFMXR0145GBC	KBLMT03.73DM
2018	3.7L	Explorer - Police Interceptor AWD Utility & Cargo	✓	✓	✓	✓	B	JFMXT03.73DM	JFMXR0145GBC	JBLMT03.73DM
2018	3.7L	Explorer - Police Interceptor AWD Utility & Cargo	✓	✓	✓	✓	B	JFMXT03.73E8	JFMXR0145GBC	JBLMT03.73DM
2017	3.7L	Explorer - Police Interceptor AWD Utility & Cargo	✓	✓	✓	✓	B	HFMXT03.73DM	HFMXR0145GBV	HBLMT03.73DM
2017	3.7L	Explorer - Police Interceptor AWD Utility & Cargo	✓	✓	✓	✓	B	HFMXT03.73E8	HFMXR0145GBV	HBLMT03.73DM
2023	3.0L PFDIt	Lincoln Aviator RWD/AWD						PFMXT03.03U2	PFMXR0185NDG	PBLMT03.03U2
2022	3.0L PFDIt	Lincoln Aviator RWD/AWD						NFMXT03.03U2	NFMXR0185NDG	PBLMT03.03UN
2021	3.0L PFDIt	Lincoln Aviator RWD/AWD						MFMXT03.03U2	MFMXR0185NDG	PBLMT03.33UM
2020	3.0L PFDIt	Lincoln Aviator RWD/AWD						LFMXT03.03U2	LFMXR0170NDG	PBLMT03.33UL
2022	3.5L PFDIt	Lincoln Navigator (EcoBoost)		Partial		✓				ON HOLD
2021	3.5L PFDIt	Lincoln Navigator (EcoBoost)		Partial		✓				ON HOLD
2019	3.7L	Lincoln MKT FWD/ Livery AWD	✓	✓	✓	✓	B	KFMXV03.7VE8	KFMXR0145GBA	KBLMV03.7VE8
2018	3.7L	Lincoln MKT FWD/ Livery AWD	✓	✓	✓	✓	B	JFMXV03.7VE8	JFMXR0145GBA	JBLMV03.7VEJ
2017	3.7L	Lincoln MKT FWD/ Livery AWD	✓	✓	✓	✓	B	HFMXV03.7VE8	HFMXR0145GBA	JBLMV03.7VE8

## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

### APPLICATION GUIDE – OCTOBER 2023

#### Ford Motor Company Powertrains (continued):

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
FORD MOTOR COMPANY TRUCKS E-SERIES (VAN CHASSIS)										
2019	6.2L	E350/E450 Cutaway, E350/E450 Stripped Chassis	✓	✓	✓	✓	B	KFMXD06.27CX	KFMXR0265NAS	KBLMD06.27CX
2018	6.2L	E350/E450 Cutaway, E350/E450 Stripped Chassis	✓	✓	✓	✓	B	JFMXD06.27CX	JFMXF0265NAS	JBLMD06.27CX
2017	6.2L	E350/E450 Cutaway, E350/E450 Stripped Chassis	✓	✓	✓	✓	B	HFMXD06.27CX	HFMXF0265NAS	JBLMD06.27CH
2017	6.8L 2V	E350/E450 Cutaway, E450 Stripped Chassis	✓	✓		✓		HFMXE06.8BWZ	ALL VEHICLES	HBLME06.8BWZ
2016	6.8L 2V	E350/E450 Cutaway, E450 Stripped Chassis	✓	✓		✓		GFMXE06.8BWZ	ALL VEHICLES	HBLME06.8BWZ
2022	7.3L	E-Series, Step Van						NFMXE07.3BW7	NFMXF0210GCK	PBLME07.3BWN
2022	7.3L	E-Series						NFMXE07.3BW7	NFMXF0360NGK	PBLME07.3BWN
2021	7.3L	E-Series, Step Van						MFMXE07.3BW7	MFMXF0210GCK	PBLME07.3BWN
2021	7.3L	E-Series						MFMXE07.3BW7	MFMXF0360NGK	PBLME07.3BWN
2020	7.3L	E-Series, Step Van						LFMXE07.3BW7	LFMXF0210GCK	LBLME07.3BW7
2020	7.3L	E-Series						LFMXE07.3BW7	LFMXF0360NGK	LBLME07.3BW7
FORD MOTOR COMPANY TRUCKS F-SERIES (PICKUP CHASSIS)										
2022	2.7L PFDI	F150 2WD/4WD								INTERESTED
2021	2.7L PFDI	F150 2WD/4WD								INTERESTED
2022	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A			COMMITTED
2022	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A			COMMITTED
2021	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A			COMMITTED
2021	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A			COMMITTED
2020	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	LFMXT03.33DU	LFMXR0200GDG	LBLMT03.33DU
2020	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	LFMXT03.33DU	LFMXR0260NDG	LBLMT03.33DU
2019	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	KFMXT03.33DT	KFMXR0200GDG	KBLMT03.33DU
2019	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	KFMXT03.33DT	KFMXR0260NDG	KBLMT03.33DU
2019	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	KFMXT03.33DU	KFMXR0200GDG	KBLMT03.33DU
2019	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	KFMXT03.33DU	KFMXR0260NDP	KBLMT03.33DU
2018	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	JFMXT03.33DT	JFMXR0200GDG	JBLMT03.33DT
2018	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	JFMXT03.33DT	JFMXR0260NDG	JBLMT03.33DT
2018	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	JFMXT03.33DU	JFMXR0260NDG	JBLMT03.33DT
2018	3.3L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	JFMXT03.33DU	JFMXR0260NDP	JBLMT03.33DT
2023	3.5L PFDit	F150 2WD/4WD Ecoboost								IN TESTING
2017	3.5L PFI	F150 2WD/4WD	✓	✓	✓	✓	B	HFMXT03.53DC	HFMXR0160ABC	HBLMT03.53DC
2017	3.5L PFI	F150 2WD/4WD	✓	✓	✓	✓	B	HFMXT03.53DC	HFMXR0235NBC	HBLMT03.53DC

## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

### APPLICATION GUIDE – OCTOBER 2023

#### Ford Motor Company Powertrains (continued):

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
FORD MOTOR COMPANY TRUCKS F-SERIES (PICKUP CHASSIS)										
2023	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	PFMXT05.03DP	PFMXR0260NDV	PBLMT05.03DP
2023	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	PFMXT05.03DP	PFMXR0200GDG	PBLMT05.03DP
2022	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	NFMXT05.03DP	NFMXR0260NDV	PBLMT05.03DN
2022	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	NFMXT05.03DP	NFMXR0200GDG	PBLMT05.03DN
2021	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	MFMXT05.03DP	MFMXR0260NDV	NBLMT05.03DP
2021	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	MFMXT05.03DP	MFMXR0200GDG	NBLMT05.03DM
2020	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	LFMXT05.03DP	LBLMR0200GDG	LBLMT05.03DP
2020	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	LFMXT05.03DP	LBLMR0260NDV	LBLMT05.03DP
2019	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	KFMXT05.03DP	KFMXR0260NDV	KBLMT05.03DP
2019	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	KFMXT05.03DP	KFMXR0200GDG	KBLMT05.03DP
2018	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	JFMXT05.03DP	JFMXR0260NDV	JBLMT05.03DN
2018	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	JFMXT05.03DP	JFMXR0260NDG	JBLMT05.03DN
2018	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	JFMXT05.03DN	JFMXR0260NDG	JBLMT05.03DN
2018	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	JFMXT05.03DP	JFMXR0200GDG	JBLMT05.03DN
2018	5.0L PFDI	F150 2WD/4WD	✓	Partial	✓	✓	A	JFMXT05.03DN	JFMXR0200GDG	JBLMT05.03DN
2022	6.2L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	NFMXD06.26BC	NFMXR0250NHJ	NBLMD06.26BC
2022	6.2L	F250/F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	NFMXD06.26BC	NFMXF0250NDJ	NBLMD06.26BC
2022	6.2L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	NFMXD06.26BC	NFMXR0360NHJ	NBLMD06.26BC
2022	6.2L	F250/F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	NFMXD06.26BC	NFMXF0360NHJ	NBLMD06.26BC
2022	6.2L	F350 INCOMPLETE	✓	✓	✓	✓	B	NFMXD06.26CH	NFMXF0210GDJ	NBLMD06.26BC
2022	6.2L	F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	NFMXD06.27BC	NFMXR0250NHJ	NBLMD06.27BC
2022	6.2L	F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	NFMXD06.27BC	NFMXF0250NDJ	NBLMD06.27BC
2022	6.2L	F350 2WD/4WD PICKUP >10K	✓	✓	✓	✓	B	NFMXD06.27BC	NFMXR0360NHJ	NBLMD06.27BC
2022	6.2L	F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	NFMXD06.27BC	NFMXF0360NHJ	NBLMD06.27BC
2022	6.2L	F250/F350 CHASSIS CAB INCOMPLETE >10K	✓	✓	✓	✓	B	NFMXD06.27BC	NFMXF0210GDJ	NBLMD06.27BC
2021	6.2L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	MFMXD06.26BC	MFMXR0250NHJ	MBLMD06.26BC
2021	6.2L	F250/F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	MFMXD06.26BC	MFMXF0250NDJ	MBLMD06.26BC
2021	6.2L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	MFMXD06.26BC	MFMXR0360NHJ	MBLMD06.26BC
2021	6.2L	F250/F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	MFMXD06.26BC	MFMXF0360NHJ	MBLMD06.26BC
2021	6.2L	F350 INCOMPLETE	✓	✓	✓	✓	B	MFMXD06.26CH	MFMXF0210GDJ	MBLMD06.26BC
2021	6.2L	F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	MFMXD06.27BC	MFMXR0250NHJ	MBLMD06.27BC
2021	6.2L	F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	MFMXD06.27BC	MFMXF0250NDJ	MBLMD06.27BC
2021	6.2L	F350 2WD/4WD PICKUP >10K	✓	✓	✓	✓	B	MFMXD06.27BC	MFMXR0360NHJ	MBLMD06.27BC
2021	6.2L	F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	MFMXD06.27BC	MFMXF0360NHJ	MBLMD06.27BC
2021	6.2L	F250/F350 CHASSIS CAB INCOMPLETE >10K	✓	✓	✓	✓	B	MFMXD06.27BC	MFMXF0210GDJ	MBLMD06.27BC
2020	6.2L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	LFMXD06.26BC	LFMXR0250NHJ	LBLMD06.26BC
2020	6.2L	F250/F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	LFMXD06.26BC	LFMXF0250NDJ	LBLMD06.26BC
2020	6.2L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	LFMXD06.26BC	LFMXR0360NHJ	LBLMD06.26BC
2020	6.2L	F250/F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	LFMXD06.26BC	LFMXF0360NHJ	LBLMD06.26BC
2020	6.2L	F350 INCOMPLETE	✓	✓	✓	✓	B	LFMXD06.26CH	LFMXF0210GDJ	LBLMD06.26BC
2020	6.2L	F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	LFMXD06.27BC	LFMXR0250NHJ	LBLMD06.27BC
2020	6.2L	F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	LFMXD06.27BC	LFMXF0250NDJ	LBLMD06.27BC
2020	6.2L	F350 2WD/4WD PICKUP >10K	✓	✓	✓	✓	B	LFMXD06.27BC	LFMXR0360NHJ	LBLMD06.27BC
2020	6.2L	F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	LFMXD06.27BC	LFMXF0360NHJ	LBLMD06.27BC
2020	6.2L	F250/F350 CHASSIS CAB INCOMPLETE >10K	✓	✓	✓	✓	B	LFMXD06.27CH	LFMXF0210GDJ	LBLMD06.27BC



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## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

### APPLICATION GUIDE – OCTOBER 2023

#### Ford Motor Company Powertrains (continued):

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
FORD MOTOR COMPANY TRUCKS F-SERIES (PICKUP CHASSIS)										
2019	6.2L	F250/F350 2WD/4WD PICKUP <10K	✓	✓	✓	✓	B	KFMXD06.26BC	KFMXR0250NBS	KBLMD06.26BC
2019	6.2L	F250/F350 2WD/4WD BED DELETE <10K	✓	✓	✓	✓	B	KFMXD06.26BC	KFMXF0250NBS	KBLMD06.26BC
2019	6.2L	F250/F350 2WD/4WD PICKUP <10K	✓	✓	✓	✓	B	KFMXD06.26BC	KFMXR0315NBS	KBLMD06.26BC
2019	6.2L	F250/F350 2WD/4WD BED DELETE <10K	✓	✓	✓	✓	B	KFMXD06.26BC	KFMXF0315NBS	KBLMD06.26BC
2019	6.2L	F350 CHASSIS CAB INCOMPLETE <10K	✓	✓	✓	✓	B	KFMXD06.26CH	KFMXF0265NAS	KBLMD06.26BC
2019	6.2L	F350 2WD/4WD PICKUP >10K	✓	✓	✓	✓	B	KFMXD06.27BC	KFMXR0250NBS	KBLMD06.27BC
2019	6.2L	F350 2WD/4WD BED DELETE >10K	✓	✓	✓	✓	B	KFMXD06.27BC	KFMXF0250NBS	KBLMD06.27BC
2019	6.2L	F350 2WD/4WD PICKUP >10K	✓	✓	✓	✓	B	KFMXD06.27BC	KFMXR0315NBS	KBLMD06.27BC
2019	6.2L	F350 2WD/4WD BED DELETE >10K	✓	✓	✓	✓	B	KFMXD06.27BC	KFMXF0315NBS	KBLMD06.27BC
2019	6.2L	F250/F350 CHASSIS CAB INCOMPLETE >10K	✓	✓	✓	✓	B	KFMXD06.27CH	KFMXF0265NAS	KBLMD06.27BC
2018	6.2L	F250/F350 2WD/4WD PICKUP <10K	✓	✓	✓	✓	B	JFMXD06.26BC	JFMXR0250NBS	JBLMD06.26BC
2018	6.2L	F250/F350 2WD/4WD BED DELETE <10K	✓	✓	✓	✓	B	JFMXD06.26BC	JFMXF0250NBS	JBLMD06.26BC
2018	6.2L	F250/F350 2WD/4WD PICKUP <10K	✓	✓	✓	✓	B	JFMXD06.26BC	JFMXR0315NBS	JBLMD06.26BC
2018	6.2L	F250/F350 2WD/4WD BED DELETE <10K	✓	✓	✓	✓	B	JFMXD06.26BC	JFMXF0315NBS	JBLMD06.26BC
2018	6.2L	F350 CHASSIS CAB INCOMPLETE <10K	✓	✓	✓	✓	B	JFMXD06.26CH	JFMXF0265NAS	JBLMD06.26BC
2018	6.2L	F350 2WD/4WD PICKUP >10K	✓	✓	✓	✓	B	JFMXD06.27BC	JFMXR0250NBS	JBLMD06.27BC
2018	6.2L	F350 2WD/4WD BED DELETE >10K	✓	✓	✓	✓	B	JFMXD06.27BC	JFMXF0250NBS	JBLMD06.27BC
2018	6.2L	F350 2WD/4WD PICKUP >10K	✓	✓	✓	✓	B	JFMXD06.27BC	JFMXR0315NBS	JBLMD06.27BC
2018	6.2L	F350 2WD/4WD BED DELETE >10K	✓	✓	✓	✓	B	JFMXD06.27BC	JFMXF0315NBS	JBLMD06.27BC
2018	6.2L	F250/F350 CHASSIS CAB INCOMPLETE >10K	✓	✓	✓	✓	B	JFMXD06.27CH	JFMXF0265NAS	JBLMD06.27BC
2017	6.2L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	HFMXD06.26BC	HFMXR0250NBS	HBLMD06.26BC
2017	6.2L	F250/F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	HFMXD06.26BC	HFMXF0250NBS	HBLMD06.26BC
2017	6.2L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	HFMXD06.26BC	HFMXR0315NBS	HBLMD06.26BC
2017	6.2L	F250/F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	HFMXD06.26BC	HFMXF0315NBS	HBLMD06.26BC
2017	6.2L	F350 INCOMPLETE 2WD/4WD	✓	✓	✓	✓	B	HFMXD06.26CH	HFMXF0265NAS	HBLMD06.26BC
2017	6.2L	F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	HFMXD06.27BC	HFMXR0250NBS	HBLMD06.27BC
2017	6.2L	F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	HFMXD06.27BC	HFMXF0250NBS	HBLMD06.27BC
2017	6.2L	F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	HFMXD06.27BC	HFMXR0315NBS	HBLMD06.27BC
2017	6.2L	F350 2WD/4WD BED DELETE	✓	✓	✓	✓	B	HFMXD06.27BC	HFMXF0315NBS	HBLMD06.27BC
2017	6.2L	F350 INCOMPLETE 2WD/4WD	✓	✓	✓	✓	B	HFMXD06.27BC	HFMXF0265NAS	HBLMD06.27BC
2019	6.8L 3V	F450/F550	✓	✓	✓	✓	A	KFMXE06.8BW6	KFMXF0265GAT	KBLME06.8BW6
2018	6.8L 3V	F450/F550	✓	✓	✓	✓	A	JFMXE06.8BW6	JFMXF0265GAT	KBLME06.8BW6
2017	6.8L 3V	F450/F550	✓	✓	✓	✓	A	HFMXE06.8BW6	HFMXF0265GAT	KBLME06.8BW6
2019	6.8L 3V	F650/F750	✓	✓	✓	✓	A	KFMXE06.8BW6	KFMXF0265GAT	KBLME06.8BW6
2018	6.8L 3V	F650/F750	✓	✓	✓	✓	A	JFMXE06.8BW6	JFMXF0265GAT	KBLME06.8BW6
2017	6.8L 3V	F650/F750	✓	✓	✓	✓	A	HFMXE06.8BW6	HFMXF0265GAT	KBLME06.8BW6



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## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

### APPLICATION GUIDE – OCTOBER 2023

#### Ford Motor Company Powertrains (continued):

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
FORD MOTOR COMPANY TRUCKS F-SERIES (PICKUP CHASSIS)										
2023	6.8L V8	F250/350 2WD/4WD PICKUP	✓	✓	✓	✓	A	PFMXD06.86BC	PFMXR0250NHJ	PBLMD06.86BC
2023	6.8L V8	F250/350 2WD/4WD PICKUP	✓	✓	✓	✓	A	PFMXD06.86BC	PFMXR0360NHJ	PBLMD06.86BC
2023	6.8L V8	F250/350 2WD/4WD PICKUP	✓	✓	✓	✓	A	PFMXD06.87BC	PFMXR0250NHJ	PBLMD06.87BC
2023	6.8L V8	F250/350 2WD/4WD PICKUP	✓	✓	✓	✓	A	PFMXD06.87BC	PFMXR0360NHJ	PBLMD06.87BC
2023	7.3L	F250/350 2WD/4WD PICKUP	✓	✓	✓	✓	A	PFMXD07.373K	PFMXR0250NHJ	PBLMD06.87BC
2023	7.3L	F250/350 2WD/4WD PICKUP	✓	✓	✓	✓	A	PFMXD07.373K	PFMXR0360NHJ	PBLMD06.87BC
2022	7.3L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	NFMXD07.363H	NFMXR0250NHJ	NBLMD07.363H
2022	7.3L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	NFMXD07.363H	NFMXR0360NHJ	NBLMD07.363H
2022	7.3L	F350 2WD/4WD	✓	✓	✓	✓	B	NFMXD07.373K	NFMXR0250NHJ	NBLMD07.373K
2022	7.3L	F350 2WD/4WD	✓	✓	✓	✓	B	NFMXD07.373K	NFMXR0360NHJ	NBLMD07.373K
2021	7.3L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	NFMXD07.363H	NFMXR0250NHJ	NBLMD07.363H
2021	7.3L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	NFMXD07.363H	NFMXR0360NHJ	NBLMD07.363H
2021	7.3L	F350 2WD/4WD	✓	✓	✓	✓	B	NFMXD07.373K	NFMXR0250NHJ	NBLMD07.373K
2021	7.3L	F350 2WD/4WD	✓	✓	✓	✓	B	NFMXD07.373K	NFMXR0360NHJ	NBLMD07.373K
2020	7.3L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	NFMXD07.363H	NFMXR0250NHJ	NBLMD07.363H
2020	7.3L	F250/F350 2WD/4WD PICKUP	✓	✓	✓	✓	B	NFMXD07.363H	NFMXR0360NHJ	NBLMD07.363H
2020	7.3L	F350 2WD/4WD	✓	✓	✓	✓	B	NFMXD07.373K	NFMXR0250NHJ	NBLMD07.373K
2020	7.3L	F350 2WD/4WD	✓	✓	✓	✓	B	NFMXD07.373K	NFMXR0360NHJ	NBLMD07.373K
2022	7.3L	F450/F550/F600 SUPERDUTY	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0210GDK	PBLME07.3BWN
2021	7.3L	F450/F550/F600 SUPERDUTY	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0210GDK	PBLME07.3BWN
2020	7.3L	F450/F550/F600 SUPERDUTY	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0210GDK	PBLME07.3BWN
2022	7.3L	F650/F750 MEDIUM DUTY	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0210GCV	PBLME07.3BWN
2022	7.3L	F650/F750 MEDIUM DUTY	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0360NGV	PBLME07.3BWN
2022	7.3L	F53/F59 MOTORHOME CHASSIS	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0365NGK	PBLME07.3BWN
2021	7.3L	F650/F750 MEDIUM DUTY	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0210GCV	PBLME07.3BWN
2021	7.3L	F650/F750 MEDIUM DUTY	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0360NGV	PBLME07.3BWN
2021	7.3L	F53/F59 MOTORHOME CHASSIS	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0365NGK	PBLME07.3BWN
2020	7.3L	F650/F750 MEDIUM DUTY	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0210GCV	PBLME07.3BWN
2020	7.3L	F650/F750 MEDIUM DUTY	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0360NGV	PBLME07.3BWN
2020	7.3L	F53/F59 MOTORHOME CHASSIS	✓	✓	✓	✓	B	NFMXE07.3BW7	NFMXF0365NGK	PBLME07.3BWN



# Alliance AutoGas

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## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

### APPLICATION GUIDE – OCTOBER 2023

#### Ford Motor Company Powertrains (continued):

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
FORD MOTOR COMPANY TRUCKS T-SERIES (TRANSIT VAN & WAGON)										
2022	3.5L PFDI	Transit T150 Wagon 2WD/4WD					A	NFMXT03.55HM	NFMXR0185NDH	NBLMT03.55HM
2022	3.5L PFDI	Transit T150 Wagon 2WD/4WD					A	NFMXT03.55HM	NFMXR0215GDH	NBLMT03.55HM
2022	3.5L PFDI	Transit T150/250/350 Van/Wagon 2WD/4WD					A	NFMXD03.56BG	NFMXR0185NDJ	NBLMD03.56BG
2022	3.5L PFDI	Transit T250/350 Chassis Cab/Cutaway 2WD/4WD					A	NFMXD03.56BG	NFMXF0185NDJ	NBLMD03.56BG
2022	3.5L PFDI	Transit T150/250/350 Van,T350 Wagon 2WD/4WD					A	NFMXD03.56BG	NFMXR0215GDJ	NBLMD03.56BG
2022	3.5L PFDI	Transit T250/350 Chassis Cab/Cutaway 2WD/4WD					A	NFMXD03.56BG	NFMXF0215GDJ	NBLMD03.56BG
2022	3.5L PFDI	Transit T350 Wagon/Van 2WD					A	NFMXD03.57BG	NFMXR0185NDJ	NBLMD03.57BG
2022	3.5L PFDI	Transit T350 Wagon/Van 2WD					A	NFMXD03.57BG	NFMXR0215GDJ	NBLMD03.57BG
2021	3.5L PFDI	Transit T150 Wagon 2WD/4WD					A	MFMXT03.55HM	MFMXR0185NDH	MBLMT03.55HM
2021	3.5L PFDI	Transit T150 Wagon 2WD/4WD					A	MFMXT03.55HM	MFMXR0215GDH	MBLMT03.55HM
2021	3.5L PFDI	Transit T150/250/350 Van/Wagon 2WD/4WD					A	MFMXD03.56BG	MFMXR0185NDJ	MBLMD03.56BG
2021	3.5L PFDI	Transit T250/350 Chassis Cab/Cutaway 2WD/4WD					A	MFMXD03.56BG	MFMXF0185NDJ	MBLMD03.56BG
2021	3.5L PFDI	Transit T150/250/350 Van,T350 Wagon 2WD/4WD					A	MFMXD03.56BG	MFMXR0215GDJ	MBLMD03.56BG
2021	3.5L PFDI	Transit T250/350 Chassis Cab/Cutaway 2WD/4WD					A	MFMXD03.56BG	MFMXF0215GDJ	MBLMD03.56BG
2021	3.5L PFDI	Transit T350 Wagon/Van 2WD					A	MFMXD03.57BG	MFMXR0185NDJ	MBLMD03.57BG
2021	3.5L PFDI	Transit T350 Wagon/Van 2WD					A	MFMXD03.57BG	MFMXR0215GDJ	MBLMD03.57BG
2020	3.5L PFDI	Transit T150 Wagon 2WD/4WD		✓		✓	A	LFMXT03.55HM	LFMXR0185NDH	LBLMT03.55HM
2020	3.5L PFDI	Transit T150 Wagon 2WD/4WD		✓		✓	A	LFMXT03.55HM	LFMXR0215GDH	LBLMT03.55HM
2020	3.5L PFDI	T150/250/350 Van/Wagon/Cutaway 2WD/4WD		✓		✓	A	LFMXD03.56BG	LFMXR0185NDJ	LBLMD03.56BG
2020	3.5L PFDI	T150/250/350 Van/Wagon/Cutaway 2WD/4WD		✓		✓	A	LFMXD03.56BG	LFMXR0185NDJ	LBLMD03.56BG
2020	3.5L PFDI	T150/250/350 Van/Wagon/Cutaway 2WD/4WD		✓		✓	A	LFMXD03.56BG	LFMXR0215GDJ	LBLMD03.56BG
2020	3.5L PFDI	T150/250/350 Van/Wagon/Cutaway 2WD/4WD		✓		✓	A	LFMXD03.56BG	LFMXF0215GDJ	LBLMD03.56BG
2020	3.5L PFDI	Transit T350 Wagon/Van 2WD		✓		✓	A	LFMXD03.57BG	LFMXR0185NDJ	LBLMD03.57BG
2020	3.5L PFDI	Transit T350 Wagon/Van 2WD		✓		✓	A	LFMXD03.57BG	LFMXR0215GDJ	LBLMD03.57BG



# Alliance AutoGas

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## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

### APPLICATION GUIDE – OCTOBER 2023

#### Ford Motor Company Powertrains (continued):

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
FORD MOTOR COMPANY TRUCKS T-SERIES (TRANSIT VAN & WAGON)										
2023	3.5L GDTI	Transit T350 van 2WD/4WD						PFMXD03.57BZ	PFMXR0185NDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Wagon 2WD/4WD						PFMXD03.57BZ	PFMXR0185NDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD						PFMXD03.57BZ	PFMXF0185NDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Cutaway 2WD/4WD						PFMXD03.57BZ	PFMXF0185NDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 van 2WD/4WD						PFMXD03.57BZ	PFMXR0215GDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Wagon 2WD/4WD						PFMXD03.57BZ	PFMXR0215GDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD						PFMXD03.57BZ	PFMXF0215GDJ	PBLMD03.57BZ
2023	3.5L GDTI	Transit T350 Cutaway 2WD/4WD						PFMXD03.57BZ	PFMXF0215GDJ	PBLMD03.57BZ
2022	3.5L GDTI	Transit T350 van 2WD/4WD						NFMXD03.57BZ	NFMXR0185NDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Wagon 2WD/4WD						NFMXD03.57BZ	NFMXR0185NDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD						NFMXD03.57BZ	NFMXF0185NDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Cutaway 2WD/4WD						NFMXD03.57BZ	NFMXF0185NDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 van 2WD/4WD						NFMXD03.57BZ	NFMXR0215GDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Wagon 2WD/4WD						NFMXD03.57BZ	NFMXR0215GDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD						NFMXD03.57BZ	NFMXF0215GDJ	PBLMD03.57BN
2022	3.5L GDTI	Transit T350 Cutaway 2WD/4WD						NFMXD03.57BZ	NFMXF0215GDJ	PBLMD03.57BN
2021	3.5L GDTI	Transit T350 van 2WD/4WD						MFMXD03.57BZ	MFMXR0185NDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Wagon 2WD/4WD						MFMXD03.57BZ	MFMXR0185NDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD						MFMXD03.57BZ	MFMXF0185NDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Cutaway 2WD/4WD						MFMXD03.57BZ	MFMXF0185NDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 van 2WD/4WD						MFMXD03.57BZ	MFMXR0215GDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Wagon 2WD/4WD						MFMXD03.57BZ	MFMXR0215GDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD						MFMXD03.57BZ	MFMXF0215GDJ	PBLMD03.57BM
2021	3.5L GDTI	Transit T350 Cutaway 2WD/4WD						MFMXD03.57BZ	MFMXF0215GDJ	PBLMD03.57BM
2020	3.5L GDTI	Transit T350 van 2WD/4WD						LFMXD03.57BZ	LFMXR0185NDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Wagon 2WD/4WD						LFMXD03.57BZ	LFMXR0185NDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD						LFMXD03.57BZ	LFMXF0185NDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Cutaway 2WD/4WD						LFMXD03.57BZ	LFMXF0185NDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 van 2WD/4WD						LFMXD03.57BZ	LFMXR0215GDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Wagon 2WD/4WD						LFMXD03.57BZ	LFMXR0215GDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Chassis Cab 2WD/4WD						LFMXD03.57BZ	LFMXF0215GDJ	PBLMD03.57BL
2020	3.5L GDTI	Transit T350 Cutaway 2WD/4WD						LFMXD03.57BZ	LFMXF0215GDJ	PBLMD03.57BL
2019	3.7L	Transit MDPV	✓	✓	✓	✓	B	KFMXT03.75HJ	KFMXR0190NDB	KBLMT03.75HK
2019	3.7L	Transit FFV MDPV	✓	✓	✓	✓	B	KFMXT03.75HK	KFMXR0190NDB	KBLMT03.75HK
2019	3.7L	Transit FFV <10K	✓	✓	✓	✓	B	KFMXD03.76BK	KFMXF0190NBS	KBLMD03.76BX
2019	3.7L	Transit FFV <10K	✓	✓	✓	✓	B	KFMXD03.76BK	KFMXR0190NBS	KBLMD03.76BX
2019	3.7L	Transit FFV T250/T350 CUTAWAY CHASSIS CAB <10K	✓	✓	✓	✓	B	KFMXD03.76BK	KFMXF0190NBS	KBLMD03.76BX
2019	3.7L	Transit <10K	✓	✓	✓	✓	B	KFMXD03.76BX	KFMXR0190NBS	KBLMD03.76BX
2019	3.7L	Transit T250/T350 CUTAWAY CHASSIS CAB <10K	✓	✓	✓	✓	B	KFMXD03.77BX	KFMXF0190NBS	KBLMD03.77BX
2019	3.7L	Transit T350 DRW >10K	✓	✓	✓	✓	B	KFMXD03.77BX	KFMXR0190NBS	KBLMD03.77BX
2018	3.7L	Transit MDPV	✓	✓	✓	✓	B	JFMXT03.75HJ	JFMXR0190NDB	JBLMT03.75HK
2018	3.7L	Transit FFV MDPV	✓	✓	✓	✓	B	JFMXT03.75HK	JFMXR0190NDB	JBLMT03.75HK
2018	3.7L	Transit FFV <10K	✓	✓	✓	✓	B	JFMXD03.76BK	JFMXR0190NBS	JBLMD03.76BX
2018	3.7L	Transit FFV T250/T350 CUTAWAY CHASSIS CAB <10K	✓	✓	✓	✓	B	JFMXD03.76BK	JFMXF0190NBS	JBLMD03.76BX
2018	3.7L	Transit <10K	✓	✓	✓	✓	B	JFMXD03.76BX	JFMXR0190NBS	JBLMD03.76BX
2018	3.7L	Transit T250/T350 CUTAWAY CHASSIS CAB <10K	✓	✓	✓	✓	B	JFMXD03.76BX	JFMXF0190NBS	JBLMD03.76BX
2018	3.7L	Transit T350 DRW >10K	✓	✓	✓	✓	B	JFMXD03.77BX	JFMXR0190NBS	JBLMD03.77BX
2017	3.7L	Transit T150	✓	✓	✓	✓	B	HFMXT03.75HG	HFMXR0190NBD	HBLMD03.75HG
2017	3.7L	Transit T250,T350 VAN/WAGON/CUTAWAY	✓	✓	✓	✓	B	HFMXD03.76BX	HFMXF0190NBS	HBLMD03.76BX
2017	3.7L	Transit T250,T350 VAN/WAGON/CUTAWAY	✓	✓	✓	✓	B	HFMXD03.76BX	HFMXR0190NBD	HBLMD03.76BX
2017	3.7L	Transit T150,T250,T350 VAN/WAGON/CUTAWAY	✓	✓	✓	✓	B	HFMXT03.76BG	HFMXF0190NBD	HBLMD03.76BG
2017	3.7L	Transit T150,T250,T350 VAN/WAGON/CUTAWAY	✓	✓	✓	✓	B	HFMXT03.76BG	HFMXF0190NBS	HBLMD03.76BG
2017	3.7L	Transit T350 CHASSIS CAB/CUTAWAY	✓	✓	✓	✓	B	HFMXD03.77BX	HFMXF0190NBS	HBLMD03.77BX

## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

### APPLICATION GUIDE – OCTOBER 2023

#### General Motors Powertrains:

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS C/K-SERIES (PICKUP CHASSIS)										
2023	5.3L GDI	Sierra 2WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Sierra 2WD Cab Chassis					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Sierra 4WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Sierra 4WD Cab Chassis					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Sierra 4WD Mud Terrain Tires					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Silverado 2WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Silverado 2WD Cab Chassis					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Silverado 4WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Silverado 4WD Cab Chassis					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Silverado 4WD Mud Terrain Tires					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Tahoe 2WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Tahoe 4WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Yukon 2WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Yukon 4WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Suburban 2WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Suburban 4WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Yukon XL 2WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2023	5.3L GDI	Yukon XL 4WD					A	PGMXT05.3386	PGMXR017350D	PBLMT05.3386
2022	5.3L GDI	Sierra 2WD					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Sierra 2WD Cab Chassis					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Sierra 4WD					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Sierra 4WD Cab Chassis					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Sierra 4WD Mud Terrain Tires					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Silverado 2WD					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Silverado 2WD Cab Chassis					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Silverado 4WD					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Silverado 4WD Cab Chassis					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Silverado 4WD Mud Terrain Tires					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Tahoe 2WD					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Tahoe 4WD					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Yukon 2WD					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Yukon 4WD					A	NGMXT05.3386	NGMXR017350D	PBLMT05.338N
2022	5.3L GDI	Suburban 2WD					A	NGMXT05.3386	NGMXR022450C	PBLMT05.338N
2022	5.3L GDI	Suburban 4WD					A	NGMXT05.3386	NGMXR022450C	PBLMT05.338N
2022	5.3L GDI	Yukon XL 2WD					A	NGMXT05.3386	NGMXR022450C	PBLMT05.338N
2022	5.3L GDI	Yukon XL 4WD					A	NGMXT05.3386	NGMXR022450C	PBLMT05.338N
2021	5.3L GDI	Sierra 2WD	✓	✓		✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Sierra 2WD Cab Chassis	✓	✓		✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Sierra 4WD	✓	✓		✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Sierra 4WD AT4	✓	✓		✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Sierra 4WD Cab Chassis	✓	✓		✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Silverado 2WD	✓	✓		✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Silverado 2WD Cab Chassis	✓	✓		✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Silverado 4WD	✓	✓		✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Silverado 4WD Cab Chassis	✓	✓		✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Silverado 4WD Trailboss	✓	✓		✓	A	MGMXT05.3386	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Tahoe 2WD	✓	✓		✓	A	MGMXT05.3388	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Tahoe 4WD	✓	✓		✓	A	MGMXT05.3388	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Yukon 2WD	✓	✓		✓	A	MGMXT05.3388	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Yukon 4WD	✓	✓		✓	A	MGMXT05.3388	MGMXR017350D	PBLMT05.338M
2021	5.3L GDI	Suburban 2WD	✓	✓		✓	A	MGMXT05.3388	MGMXR022450C	PBLMT05.338M
2021	5.3L GDI	Suburban 4WD	✓	✓		✓	A	MGMXT05.3388	MGMXR022450C	PBLMT05.338M
2021	5.3L GDI	Yukon XL 2WD	✓	✓		✓	A	MGMXT05.3388	MGMXR022450C	PBLMT05.338M
2021	5.3L GDI	Yukon XL 4WD	✓	✓		✓	A	MGMXT05.3388	MGMXR022450C	PBLMT05.338M



# Alliance AutoGas

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## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

### APPLICATION GUIDE – OCTOBER 2023

#### General Motors Powertrains (continued):

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS C/K-SERIES (PICKUP CHASSIS)										
2020	5.3L GDI	Sierra 2WD	✓	✓		✓	A	LGMXT05.3385	LGMXR017350D	NBLMT05.338Z
2020	5.3L GDI	Sierra 4WD	✓	✓		✓	A	LGMXT05.3385	LGMXR017350D	NBLMT05.338Z
2020	5.3L GDI	Silverado 2WD	✓	✓		✓	A	LGMXT05.3385	LGMXR017350D	NBLMT05.338Z
2020	5.3L GDI	Silverado 4WD	✓	✓		✓	A	LGMXT05.3385	LGMXR017350D	NBLMT05.338Z
2020	5.3L GDI	Sierra 2WD	✓	✓		✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Sierra 2WD Cab Chassis	✓	✓		✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Sierra 4WD	✓	✓		✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Siera 4WD AT4	✓	✓		✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Sierra 4WD Cab Chassis	✓	✓		✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Silverado 2WD	✓	✓		✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Silverado 2WD Cab Chassis	✓	✓		✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Silverado 4WD	✓	✓		✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Silverado 4WD Cab Chassis	✓	✓		✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2020	5.3L GDI	Silverado 4WD Trailboss	✓	✓		✓	A	LGMXT05.3386	LGMXR017350D	NBLMT05.338L
2019	5.3L GDI	Sierra 2WD	✓	✓		✓	A	KGMXT05.3385	KGMXR017350D	NBLMT05.3385
2019	5.3L GDI	Sierra 2WD Cab Chassis	✓	✓		✓	A	KGMXT05.3385	KGMXR017350D	NBLMT05.3385
2019	5.3L GDI	Sierra 4WD	✓	✓		✓	A	KGMXT05.3385	KGMXR017350D	NBLMT05.3385
2019	5.3L GDI	Sierra 4WD Cab Chassis	✓	✓		✓	A	KGMXT05.3385	KGMXR017350D	NBLMT05.3385
2019	5.3L GDI	Silverado 2WD	✓	✓		✓	A	KGMXT05.3385	KGMXR017350D	NBLMT05.3385
2019	5.3L GDI	Silverado 2WD Cab Chassis	✓	✓		✓	A	KGMXT05.3385	KGMXR017350D	NBLMT05.3385
2019	5.3L GDI	Silverado 4WD	✓	✓		✓	A	KGMXT05.3385	KGMXR017350D	NBLMT05.3385
2019	5.3L GDI	Silverado 4WD Cab Chassis	✓	✓		✓	A	KGMXT05.3385	KGMXR017350D	NBLMT05.3385
2019	5.3L GDI	Sierra 2WD	✓	✓		✓	A	KGMXT05.3386	KGMXR017350D	NBLMT05.338K
2019	5.3L GDI	Sierra 2WD Cab Chassis	✓	✓		✓	A	KGMXT05.3386	KGMXR017350D	NBLMT05.338K
2019	5.3L GDI	Sierra 4WD	✓	✓		✓	A	KGMXT05.3386	KGMXR017350D	NBLMT05.338K
2019	5.3L GDI	Siera 4WD AT4	✓	✓		✓	A	KGMXT05.3386	KGMXR017350D	NBLMT05.338K
2019	5.3L GDI	Sierra 4WD Cab Chassis	✓	✓		✓	A	KGMXT05.3386	KGMXR017350D	NBLMT05.338K
2019	5.3L GDI	Silverado 2WD	✓	✓		✓	A	KGMXT05.3386	KGMXR017350D	NBLMT05.338K
2019	5.3L GDI	Silverado 2WD Cab Chassis	✓	✓		✓	A	KGMXT05.3386	KGMXR017350D	NBLMT05.338K
2019	5.3L GDI	Silverado 4WD	✓	✓		✓	A	KGMXT05.3386	KGMXR017350D	NBLMT05.338K
2019	5.3L GDI	Silverado 4WD Cab Chassis	✓	✓		✓	A	KGMXT05.3386	KGMXR017350D	NBLMT05.338K
2019	5.3L GDI	Silverado 4WD Trailboss	✓	✓		✓	A	KGMXT05.3386	KGMXR017350D	NBLMT05.338K
2020	5.3L GDI	Silverado/Sierra,Tahoe/Yukon	✓	✓		✓	A	LGMXT05.3382	LGMXR016150A	LBLMT05.3382
2020	5.3L GDI	Silverado/Sierra,Tahoe/Yukon	✓	✓		✓	A	LGMXT05.3384	LGMXR016150A	LBLMT05.3382
2020	5.3L GDI	Suburban/Yukon XL	✓	✓		✓	A	LGMXT05.3382	LGMXR021250B	LBLMT05.3382
2020	5.3L GDI	Suburban/Yukon XL	✓	✓		✓	A	LGMXT05.3384	LGMXR021250B	LBLMT05.3382
2019	5.3L GDI	Silverado/Sierra,Tahoe/Yukon	✓	✓		✓	A	KGMXT05.3382	KGMXR016150A	LBLMT05.338K
2019	5.3L GDI	Silverado/Sierra,Tahoe/Yukon	✓	✓		✓	A	KGMXT05.3384	KGMXR016150A	LBLMT05.338K
2019	5.3L GDI	Suburban/Yukon XL	✓	✓		✓	A	KGMXT05.3382	KGMXR021250B	LBLMT05.338K
2019	5.3L GDI	Suburban/Yukon XL	✓	✓		✓	A	KGMXT05.3384	KGMXR021250B	LBLMT05.338K
2018	5.3L GDI	Silverado/Sierra, Tahoe/Yukon	✓	✓		✓	A	JGMXT05.3382	JGMXR016150A	LBLMT05.338J
2018	5.3L GDI	Silverado/Sierra, Tahoe/Yukon	✓	✓		✓	A	JGMXT05.3384	JGMXR016150A	LBLMT05.338J
2018	5.3L GDI	Silverado/Sierra, Suburban/Yukon XL	✓	✓		✓	A	JGMXT05.3382	JGMXR021250B	LBLMT05.338J
2018	5.3L GDI	Silverado/Sierra, Suburban/Yukon XL	✓	✓		✓	A	JGMXT05.3384	JGMXR021250B	LBLMT05.338J
2018	5.3L GDI	Silverado/Sierra Cab Chassis, Suburban/Yukon XL	✓	✓		✓	A	JGMXT05.3384	JGMXR0223840	LBLMT05.338J
2018	5.3L GDI	Silverado/Sierra Cab Chassis, Suburban/Yukon XL	✓	✓		✓	A	JGMXT05.3384	JGMXR0223840	LBLMT05.338J
2017	5.3L GDI	Silverado/Sierra, Tahoe/Yukon	✓	✓		✓	A	HGMXT05.3382	HGMXR016150A	LBLMT05.338H
2017	5.3L GDI	Silverado/Sierra, Tahoe/Yukon	✓	✓		✓	A	HGMXT05.3384	HGMXR016150A	LBLMT05.338H
2017	5.3L GDI	Silverado/Sierra, Suburban/Yukon XL	✓	✓		✓	A	HGMXT05.3382	HGMXR021250B	LBLMT05.338H
2017	5.3L GDI	Silverado/Sierra, Suburban/Yukon XL	✓	✓		✓	A	HGMXT05.3384	HGMXR021250B	LBLMT05.338H
2017	5.3L GDI	Silverado/Sierra Cab Chassis, Suburban/Yukon XL	✓	✓		✓	A	HGMXT05.3382	HGMXR0223840	LBLMT05.338H
2017	5.3L GDI	Silverado/Sierra Cab Chassis, Suburban/Yukon XL	✓	✓		✓	A	HGMXT05.3384	HGMXR0223840	LBLMT05.338H



# Alliance AutoGas

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## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

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#### General Motors Powertrains (continued):

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS C/K-SERIES (PICKUP CHASSIS)										
2019	6.0L	C/K2500/3500 Silverado/Sierra 2WD/4WD		✓	✓	✓	B	KGMXD06.0394	KGMXF0223850	KBLMD06.0395
2018	6.0L	C/K2500/3500 Silverado/Sierra 2WD/4WD	✓	✓	✓	✓	B	JGMXD06.0394	JGMXF0223850	JBLMD06.039Z
2017	6.0L	C/K2500/3500 Silverado/Sierra 2WD/4WD	✓	✓	✓	✓	B	HGMXD06.0394	HGMXF0223841	JBLMD06.0395
2017	6.0L	C/K2500/3500 Silverado/Sierra 2WD/4WD	✓	✓	✓	✓	B	HGMXD06.0394	HGMXF0223850	JBLMD06.0395
2019	6.0L	C/K2500/3500 Silverado/Sierra 2WD/4WD		✓	✓	✓	B	KGMXD06.0395	KGMXR021260A	KBLMD06.0395
2018	6.0L	C/K2500/3500 Silverado/Sierra 2WD/4WD	✓	✓	✓	✓	B	JGMXD06.0395	JGMXR021260A	JBLMD06.039Z
2017	6.0L	C/K2500/3500 Silverado/Sierra 2WD/4WD	✓	✓	✓	✓	B	HGMXD06.0395	HGMXR0223841	JBLMD06.0395
2017	6.0L	C/K2500/3500 Silverado/Sierra 2WD/4WD	✓	✓	✓	✓	B	HGMXD06.0395	HGMXR021260A	JBLMD06.0395
2019	6.0L	K3500 Suburban 4WD	✓	✓	✓	✓	B	KGMXD06.0398	KGMXR0260843	KBLMD06.0399
2019	6.0L	C/K3500 Silverado/Sierra CAB CHASSIS 2WD/4WD	✓	✓	✓	✓	B	KGMXD06.0398	KGMXR0223850	KBLMD06.0399
2018	6.0L	K3500 Suburban 4WD	✓	✓	✓	✓	B	JGMXD06.0398	JGMXR0260843	JBLMD6.039Y
2018	6.0L	C/K3500 Silverado/Sierra CAB CHASSIS 2WD/4WD	✓	✓	✓	✓	B	JGMXD06.0398	JGMXR0223850	JBLMD6.039Y
2017	6.0L	K3500 Suburban 4WD	✓	✓	✓	✓	B	HGMXD06.0398	HGMXR0260843	JBLMD6.0399
2017	6.0L	C/K3500 Silverado/Sierra CAB CHASSIS 2WD/4WD	✓	✓	✓	✓	B	HGMXD06.0398	HGMXR0223850	JBLMD6.0399
2016	6.0L	K3500 Suburban 4WD	✓	✓	✓	✓	B	GGMXD06.0398	GGMXR0260843	JBLMD6.039W
2016	6.0L	C/K3500 Silverado/Sierra CAB CHASSIS 2WD/4WD	✓	✓	✓	✓	B	GGMXD06.0398	GGMXR0223850	JBLMD6.039W
2019	6.0L	C/K3500 Silverado/Sierra 2WD/4WD		✓	✓	✓	B	KGMXD06.0399	KGMXR021260A	KBLMD06.0399
2018	6.0L	C/K3500 Silverado/Sierra 2WD/4WD		✓	✓	✓	B	JGMXD06.0399	JGMXR021260A	JBLMD6.039Y
2017	6.0L	C/K3500 Silverado/Sierra 2WD/4WD		✓	✓	✓	B	HGMXD06.0399	HGMXR0223842	JBLMD6.0399
2017	6.0L	C/K3500 Silverado/Sierra 2WD/4WD		✓	✓	✓	B	HGMXD06.0399	HGMXR021260A	JBLMD6.0399
2016	6.0L	C/K3500 Silverado/Sierra 2WD/4WD		✓	✓	✓	B	GGMXD06.0399	GGMXR0223842	JBLMD6.039W
2017	6.0L	C/K2500 Silverado/Sierra 2500HD	✓	✓	✓	✓	B	HGMXE06.0584	ALL	JBLME06.0584
2017	6.0L	C/K2500 Silverado/Sierra 3500HD	✓	✓	✓	✓	B	HGMXE06.0584	ALL	JBLME06.0584
2023	6.2L	Escalade 2WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Escalade 4WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Sierra 4WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Sierra 4WD Mud Terrain Tires					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Sierra 4WD ATX4					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Silverado 4WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Silverado 4WD Mud Terrain Tires					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Silverado 4WD ZR2					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Tahoe 2WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Tahoe 4WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Yukon 2WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Yukon 4WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Escalade 2WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Escalade 4WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Suburban 2WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Suburban 4WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Yukon XL 2WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2023	6.2L	Yukon XL 4WD					A	PGMXT06.2375	PGMXR017350D	PBLMT05.3386
2022	6.2L	Escalade 2WD					A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Escalade 4WD					A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Sierra 4WD					A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Sierra 4WD Mud Terrain Tires					A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Silverado 4WD					A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Silverado 4WD Mud Terrain Tires					A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Silverado 4WD ZR2					A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Tahoe 2WD					A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Tahoe 4WD					A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Yukon 2WD					A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Yukon 4WD					A	NGMXT06.2375	NGMXR017350D	PBLMT05.338N
2022	6.2L	Escalade 2WD					A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N
2022	6.2L	Escalade 4WD					A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N
2022	6.2L	Suburban 2WD					A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N
2022	6.2L	Suburban 4WD					A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N
2022	6.2L	Yukon XL 2WD					A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N
2022	6.2L	Yukon XL 4WD					A	NGMXT06.2375	NGMXR022450C	PBLMT05.338N



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#### General Motors Powertrains (continued):

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS C/K-SERIES (PICKUP CHASSIS)										
2022	6.6L DI	C/K3500 Silverado/Sierra 2WD/4WD Cab Chassis	✓	✓		✓	A	NGMXD06.6398	NGMXF016360D	NBLMD06.6398
2022	6.6L DI	C/K2500/3500 HD Silverado/Sierra 2WD/4WD Cab Chassis	✓	✓		✓	A	NGMXD06.6398	NGMXF021768B	NBLMD06.6398
2022	6.6L DI	C/K2500/3500 HDSilverado/Sierra 2WD/4WD	✓	✓		✓	A	NGMXD06.6398	NGMXF016360D	NBLMD06.6398
2021	6.6L DI	C/K3500 Silverado/Sierra 2WD/4WD Cab Chassis	✓	✓		✓	A	NGMXD06.6398	NGMXR021260A	NBLMD06.6398
2021	6.6L DI	C/K2500/3500 HD Silverado/Sierra 2WD/4WD Cab Chassis	✓	✓		✓	A	NGMXD06.6398	NGMXF021768B	NBLMD06.6398
2021	6.6L DI	C/K2500/3500 HDSilverado/Sierra 2WD/4WD	✓	✓		✓	A	NGMXD06.6398	NGMXR021260A	NBLMD06.6398
2020	6.6L DI	C/K3500 Silverado/Sierra 2WD/4WD Cab Chassis	✓	✓		✓	A	LGMXD06.6398	LGMXF016360D	LBLMD06.6398
2020	6.6L DI	C/K3500 Silverado/Sierra 2WD/4WD Cab Chassis	✓	✓		✓	A	LGMXD06.6398	LGMXF021768B	LBLMD06.6398
2020	6.6L DI	C/K3500 Silverado/Sierra 2WD/4WD Cab Chassis	✓	✓		✓	A	LGMXD06.6398	LGMXF0223850	LBLMD06.6398
2020	6.6L DI	C/K2500/3500 Silverado/Sierra 2WD/4WD	✓	✓		✓	A	LGMXD06.6398	LGMXR021260A	LBLMD06.6398

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS G-SERIES (VAN CHASSIS)										
2017	4.8L	G2500/3500 Express/Savanna 2WD CARGO/PASS	✓	✓	✓	✓	B	HGMXD06.0394	HGMXF0223841	JBLMD06.0395
2017	4.8L	G3500 Express/Savanna 2WD CUTAWAY	✓	✓	✓	✓	B	HGMXD06.0394	HGMXF0176860	JBLMD06.0395
2016	4.8L	G2500/3500 Express/Savanna 2WD CARGO/PASS	✓	✓	✓	✓	B	GGMXD06.0394	GGMXF0223841	JBLMD06.039X
2017	4.8L	G2500/3500 Express/Savanna 2WD CARGO/PASS		✓	✓	✓	B	HGMXD06.0395	HGMXF0223841	JBLMD06.0395
2017	4.8L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	HGMXD06.0395	HGMXF0176860	JBLMD06.0395
2016	4.8L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	GGMXD06.0395	GGMXF0176860	JBLMD06.039X
2020	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	LGMXD06.0394	LGMXF0176860	PENDING
2019	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	KGMXD06.0394	KGMXF0176860	KBLMD06.0395
2018	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	JGMXD06.0394	JGMXF0176860	JBLMD06.039Z
2017	6.0L	G2500/3500 Express/Savanna 2WD CARGO/PASS		✓	✓	✓	B	HGMXD06.0394	HGMXF0223841	JBLMD06.0395
2017	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	HGMXD06.0394	HGMXF0176860	JBLMD06.0395
2016	6.0L	G2500/3500 Express/Savanna 2WD CARGO/PASS		✓	✓	✓	B	GGMXD06.0394	GGMXF0223841	JBLMD06.039X
2016	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	GGMXD06.0394	GGMXF0176860	JBLMD06.039X
2020	6.0L	G2500/3500 Express/Savanna 2WD CARGO/PASS		✓	✓	✓	B	LGMXD06.0395	LGMXR0223841	PENDING
2020	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	LGMXD06.0395	LGMXF0176860	PENDING
2019	6.0L	G2500/3500 Express/Savanna 2WD CARGO/PASS		✓	✓	✓	B	KGMXD06.0395	KGMXR0223841	KBLMD06.0395
2019	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	KGMXD06.0395	KGMXF0176860	KBLMD06.0395
2018	6.0L	G2500/3500 Express/Savanna 2WD CARGO/PASS		✓	✓	✓	B	JGMXD06.0395	JGMXR0223841	JBLMD06.039Z
2018	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	JGMXD06.0395	JGMXF0176860	JBLMD06.039Z
2017	6.0L	G2500/3500 Express/Savanna 2WD CARGO/PASS		✓	✓	✓	B	HGMXD06.0395	HGMXF0223841	JBLMD06.0395
2017	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	HGMXD06.0395	HGMXF0176860	JBLMD06.0395
2016	6.0L	G2500/3500 Express/Savanna 2WD CARGO/PASS		✓	✓	✓	B	GGMXD06.0395	GGMXF0223841	JBLMD06.039X
2016	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	GGMXD06.0395	GGMXF0176860	JBLMD06.039X
2017	6.0L	G2500/3500 Express/Savanna 2WD PASS MDPV	✓	✓	✓	✓	B	HGMXD06.0396	HGMXR0223841	JBLMT06.0396
2016	6.0L	G2500/3500 Express/Savanna 2WD PASS MDPV	✓	✓	✓	✓	B	GGMXD06.0396	GGMXR0223841	JBLMT06.039Z
2020	6.0L	G3500 Express/Savanna 2WD CUTAWAY	✓	✓	✓	✓	B	LGMXD06.0398	LGMXF0176860	PENDING
2019	6.0L	G3500 Express/Savanna 2WD CUTAWAY	✓	✓	✓	✓	B	KGMXD06.0398	KGMXF0176860	KBLMD06.0399
2018	6.0L	G3500 Express/Savanna 2WD CUTAWAY	✓	✓	✓	✓	B	JGMXD06.0398	JGMXF0176860	JBLMD06.039Y
2017	6.0L	G3500 Express/Savanna 2WD CUTAWAY	✓	✓	✓	✓	B	HGMXD06.0398	HGMXF0176860	JBLMD06.0399
2016	6.0L	G3500 Express/Savanna 2WD CUTAWAY	✓	✓	✓	✓	B	GGMXD06.0398	GGMXF0176860	JBLMD06.039W
2018	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	JGMXD06.0399	JGMXF0176860	JBLMD06.039Y
2017	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	HGMXD06.0399	HGMXF0176860	JBLMD06.0399
2016	6.0L	G3500 Express/Savanna 2WD CUTAWAY		✓	✓	✓	B	GGMXD06.0399	GGMXF0176860	JBLMD06.039W
2017	6.0L	G3500 Express/Savanna Commercial Cutaway	✓	✓	✓	✓	B	HGMXE06.0584	ALL	JBLME06.0584

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MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS G-SERIES (VAN CHASSIS)										
2022	6.6 DI	G3500 Express/Savanna 2WD Cutaway Chassis					A	NGMXD06.6398	NGMXF02176BB	NBLMD06.6398
2022	6.6 DI	G3500 Express/Savanna 2WD Cutaway Chassis					A	NGMXD06.6001	NGMXF0223850	NBLMD06.6398
2021	6.6 DI	G3500 Express/Savanna 2WD Cutaway Chassis					A	MGMXD06.6001	MGMXF02176BB	MBLMD06.6398
2021	6.6 DI	G3500 Express/Savanna 2WD Cutaway Chassis					A	MGMXD06.6001	MGMXF0223850	MBLMD06.6398
2023	6.6 DI	G4500 Express/Savanna 2WD Cutaway Chassis					A	PGMXD06.6001	ALL	PBLMD06.6001
2022	6.6 DI	G4500 Express/Savanna 2WD Cutaway Chassis					A	NGMXD06.6001	ALL	NBLMD06.6001
2021	6.6 DI	G4500 Express/Savanna 2WD Cutaway Chassis					A	MGMXD06.6001	ALL	NBLMD06.6001

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
GENERAL MOTORS TRUCKS LCF-SERIES (ISUZU CHASSIS)										
2023	6.6 DI	Low Cab Forward 3500/4500					A	PGMXD06.6001	ALL	PBLMD06.6001
2022	6.6 DI	Low Cab Forward 3500/4500					A	NGMXD06.6001	ALL	NBLMD06.6001
2021	6.6 DI	Low Cab Forward 3500/4500					A	MGMXD06.6001	ALL	NBLMD06.6001

#### Isuzu:

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
ISUZU										
2023	6.6L	Isuzu NRR (Class 5 - 25,500 GCWR)					A	PGMXD06.6001	ALL	PBLMD06.6001
2023	6.6L	Isuzu NQR (Class 5 - 23,950 GCWR)					A	PGMXD06.6001	ALL	PBLMD06.6001
2023	6.6L	Isuzu NPR HD (Class 4 - 20,500 GCWR)					A	PGMXD06.6001	ALL	PBLMD06.6001
2023	6.6L	Isuzu NPR (Class 3 - 18,000 GCWR)					A	PGMXD06.6001	ALL	PBLMD06.6001
2022	6.6L	Isuzu NRR (Class 5 - 25,500 GCWR)					A	NGMXD06.6001	ALL	NBLMD06.6001
2022	6.6L	Isuzu NQR (Class 5 - 23,950 GCWR)					A	NGMXD06.6001	ALL	NBLMD06.6001
2022	6.6L	Isuzu NPR HD (Class 4 - 20,500 GCWR)					A	NGMXD06.6001	ALL	NBLMD06.6001
2022	6.6L	Isuzu NPR (Class 3 - 18,000 GCWR)					A	NGMXD06.6001	ALL	NBLMD06.6001
2021	6.6L	Isuzu NRR (Class 5 - 25,500 GCWR)					A	MGMXD06.6001	ALL	NBLMD06.6001
2021	6.6L	Isuzu NQR (Class 5 - 23,950 GCWR)					A	MGMXD06.6001	ALL	NBLMD06.6001
2021	6.6L	Isuzu NPR HD (Class 4 - 20,500 GCWR)					A	MGMXD06.6001	ALL	NBLMD06.6001
2021	6.6L	Isuzu NPR (Class 3 - 18,000 GCWR)					A	MGMXD06.6001	ALL	NBLMD06.6001
2017	6.0L	Isuzu NPR/NPR HD	✓	✓	✓	✓	B	HGMXE06.0584	HSZXF0176ME0	JBLME06.0584
2016	6.0L	Isuzu NPR/NPR HD	✓	✓	✓	✓	B	GGMXE06.0584	GSZXF0176ME0	JBLME06.0584
2015	6.0L	Isuzu NPR/NPR HD	✓	✓	✓	✓	B	FGMXE06.0584	FSZXF0176ME0	FBLME06.0584
2014	6.0L	Isuzu NPR/NPR HD	✓	✓	✓	✓	B	EGMXE06.0584	ESZXF0176ME0	FBLME06.0584
2013	6.0L	Isuzu NPR/NPR HD	✓	✓	✓	✓	B	DGMXE06.0584	DSZXF0176ME0	FBLME06.0584
2012	6.0L	Isuzu NPR/NPR HD	✓	✓	✓	✓	B	CGMXE06.0584	CSZXF0176ME0	FBLME06.0584



## APPROVED ALLIANCE ENGINEERED FUEL SYSTEMS

### APPLICATION GUIDE – OCTOBER 2023

#### Stellantis (Dodge & Chrysler Cars):

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
STELLANTIS CARS (DODGE & CHRYSLER)										
2020	3.6L	Charger, Challenger, Chrysler 300	✓			✓	A	LCRXV03.65P3	LCRXR0168PP0	LBLMV03.65P3
2019	3.6L	Charger, Challenger, Chrysler 300	✓			✓	A	KCRXV03.65P3	KCRXR0141PK0	LBLMV03.65PK
2021	5.7L	Charger, Chrysler 300, Challenger	✓	✓		✓		MCRXV05.75P3	MCRXR0168PP0	MBLMV05.75P3
2021	5.7L	Charger, Challenger	✓	✓		✓		MCRXV05.75P3	MCRXR0141PK0	MBLMV05.75P3
2018	5.7L	Charger	✓	✓		✓	A	JCRXV05.75P0	JCRXR0141PK0	KBLMV05.75P0
2018	5.7L	Charger	✓	✓		✓	A	JCRXV05.75P1	JCRXR0141PK0	KBLMV05.75P0
2017	5.7L	Charger	✓	✓		✓	A	HCRXV05.75P0	HCRXR0141PK0	KBLMV05.75PH
2017	5.7L	Charger	✓	✓		✓	A	HCRXV05.75P1	HCRXR0141PK0	KBLMV05.75PH

#### Stellantis (RAM Trucks):

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
STELLANTIS TRUCKS (RAM)										
2016	3.6L	RAM Promaster 1500,2500,3500	✓	✓	✓	✓	A	GCRXD03.65V0	GCRXR0190TC1	HBLMD03.65V0
2016	3.6L	RAM Promaster 2500,3500 Cab/Chassis	✓	✓	✓	✓	A	GCRXD03.65V1	GCRXR0190TC1	HBLMD03.65V0
2014	3.6L	RAM Promaster 1500,2500,3500	✓	✓	✓	✓	A	ECRXD03.65V0	ECRXR0190TC1	GBLMD03.65V0
2014	3.6L	RAM Promaster 2500,3500 Cab/Chassis	✓	✓	✓	✓	A	ECRXD03.65V0	ECRXR0190TC1	GBLMD03.65V0
2019	5.7L	Durango, Durango Pursuit RWD,AWD				✓	A	KCRXT05.75P2	KCRXR0180RK0	KBLMT05.55P2
2021	5.7L	1500 Pickup (new style) RWD,AWD								IN TESTING
2019	5.7L	1500 Pickup Classic RWD,AWD				✓	A	KCRXT05.75P2	KCRXR0183RP0	KBLMT05.55P2
2019	5.7L	1500 Pickup Classic RWD,AWD				✓	A	KCRXT05.75P4	KCRXR0183RP0	KBLMT05.55P2
2019	5.7L	1500 Pickup Classic RWD,AWD				✓	A	KCRXT05.75P2	KCRXR0225RP0	KBLMT05.55P2
2019	5.7L	1500 Pickup Classic RWD,AWD				✓	A	KCRXT05.75P4	KCRXR0225RP0	KBLMT05.55P2
2021	6.4L	2500,3500,4500,5500 Pickup (new style) RWD,AWD								COMMITTED

#### Toyota:

MY	Engine	Vehicle Description	RTS	PnP Wiring	PnP Injection	PnP Brackets	TCL	OEM Test Group	OEM Evap Group	BSI Test Group
TOYOTA										
2022	2.5L	RAV4 Hybrid								INTERESTED
2020	2.5L	RAV4 Hybrid	✓			✓	A	LYXT02.5P3N	LYXR0165J82	PBLMT02.5P3N
2019	2.5L	RAV4 Hybrid	✓			✓	A	KTYXT02.5P3N	KTYXR0165J82	NBLMT02.5P3N
2020	3.5L	Sienna, Sienna AWD	✓	Partial		✓	A	LTYXT03.5M5M	LTYXR0165P82	NBLMT03.5M5M
2023	2.5L	Camry								IN TESTING
2016	2.5L	Camry	✓			✓	A	GTXYV02.5BED	GTYXR0115A12	NBLMV02.5BED
2015	2.5L	Camry					A			PENDING



## 2023 PRODUCT GUIDE

PLEASE REFERENCE FULL GUIDE FOR YEARLY CERTIFICATION INFORMATION

\*\*\*\*\*Standard Tank Included\*\*\*\*\*

<u>Make</u>	<u>Year</u>	<u>Model</u>	<u>Engine</u>	<u>VA</u>	<u>Installation</u>	<u>Shipping</u>	<u>Total Installed</u>
FORD	2020-	E-SERIES V8	7.3	\$4,800	\$2,350	\$400	\$7,750.00
FORD	2017-2019	E-SERIES V8	6.2	\$4,800	\$2,350	\$400	\$7,750.00
FORD	2016-2019	E-SERIES V10	6.8	\$6,200	\$2,350	\$400	\$8,950.00
FORD	2020-	EXPLORER	3.0	\$5,500	\$2,350	\$400	\$8,250.00
FORD	2020-	EXPLORER	3.3	\$4,800	\$2,350	\$400	\$7,750.00
FORD	2017-2019	EXPLORER	3.7	\$5,600	\$2,350	\$400	\$8,350.00
LINCOLN	2020-	AVIATOR	3.0	\$5,400	\$2,350	\$400	\$8,150.00
FORD	2023-	F150 V6	3.5 Ecoboost	\$5,800	\$2,350	\$400	\$8,550.00
FORD	2018-	F150 V6	3.3	\$5,000	\$2,350	\$400	\$7,750.00
FORD	2015-2017	F150 V6	3.5	\$5,200	\$2,350	\$400	\$7,950.00
FORD	2011-2014	F150 V6	3.7	\$5,200	\$2,350	\$400	\$7,950.00
FORD	2021-	F150 V8	5.0	\$5,700	\$2,350	\$400	\$8,450.00
FORD	2018-2020	F150 V8	5.0	\$5,900	\$2,350	\$400	\$8,650.00
FORD	2015-2017	F150 V8	5.0	\$5,600	\$2,350	\$400	\$8,350.00
FORD	2016-2022	F250/350	6.2	\$5,100	\$2,350	\$400	\$7,850.00
FORD	2023-	F250/350	6.8	\$4,800	\$2,350	\$400	\$7,750.00
FORD	2020-	F250/350	7.3	\$4,800	\$2,350	\$400	\$7,750.00
FORD	2020-	F450/550/600 V8	7.3	\$5,200	\$2,350	\$400	\$7,950.00
FORD	2017-2019	F450/550 V10	6.8	\$7,100	\$2,350	\$400	\$9,850.00
FORD	2017-2019	F650/750 V10	6.8	\$7,100	\$2,350	\$400	\$9,850.00
FORD	2020-	F650/750 V8	7.3	\$5,200	\$2,350	\$400	\$7,950.00
FORD	2020-	F59 V8	7.3	\$5,200	\$2,350	\$400	\$7,950.00
FORD	2020-	TRANSIT	3.5	\$5,400	\$2,350	\$400	\$8,150.00
FORD	2020-	TRANSIT	3.5 Ecoboost	\$5,600	\$2,350	\$400	\$8,350.00
FORD	2016-2019	TRANSIT	3.7	\$5,200	\$2,350	\$400	\$7,950.00
DODGE	2019-2020	CHARGER	3.6	\$4,900	\$2,350	\$400	\$7,850.00
DODGE	2021	CHARGER	5.7	\$4,900	\$2,350	\$400	\$7,850.00
DODGE	2013-2018	CHARGER	5.7	\$4,900	\$2,350	\$400	\$7,850.00

Appendix B



## 2023 PRODUCT GUIDE

PLEASE REFERENCE FULL GUIDE FOR YEARLY CERTIFICATION INFORMATION

\*\*\*\*\*Standard Tank Included\*\*\*\*\*

<u>Make</u>	<u>Year</u>	<u>Model</u>	<u>Engine</u>	<u>VA</u>	<u>Installation</u>	<u>Shipping</u>	<u>Total Installed</u>
GM	2021-	EXPRESS/SAVANNA	6.6	\$6,100	\$2,350	\$400	\$8,850.00
GM	2016-2020	EXPRESS/SAVANNA	6.0	\$6,500	\$2,350	\$400	\$9,250.00
GM	2020-	SILVERADO/SIERRA HD	6.6	\$5,900	\$2,350	\$400	\$8,650.00
GM	2016-2019	SILVERADO/SIERRA HD	6.0	\$6,700	\$2,350	\$400	\$9,450.00
GM	2019-2021	SILVERADO/SIERRA	5.3 L82/L84	\$6,100	\$2,350	\$400	\$8,850.00
GM	2017-2019	SILVERADO/SIERRA	5.3 L83	\$6,900	\$2,350	\$400	\$9,650.00
GM	2021-	SUV	5.3 L82/L84	\$6,400	\$2,350	\$400	\$9,150.00
GM	2017-2020	SUV	5.3 L83	\$6,400	\$2,350	\$400	\$9,150.00
RAM	2019-	1500	3.6	\$4,700	\$2,350	\$400	\$7,650.00
RAM	2019-	1500	5.7	\$4,800	\$2,350	\$400	\$7,750.00
RAM	2019-	2500-5500	6.4	\$5,200	\$2,350	\$400	\$7,950.00
RAM	2019	DURANGO	5.7	\$5,400	\$2,350	\$400	\$8,150.00
RAM	2016	PROMASTER	3.6	\$5,000	\$2,350	\$400	\$7,750.00
RAM	2014	PROMASTER	3.6	\$5,000	\$2,350	\$400	\$7,750.00
ISUZU	2012-2020	NPR	6.0	\$6,100	\$2,350	\$400	\$8,850.00
ISUZU	2020-	NPR	6.6	\$5,200	\$2,350	\$400	\$7,950.00
TOYOTA	2019-	Rav4	2.5L	\$4,900	\$2,350	\$400	\$7,850.00
TOYOTA	2020	Sienna	3.5L	\$5,000	\$2,350	\$400	\$7,950.00
TOYOTA	2015-2016	Camry	2.5L	\$4,800	\$2,350	\$400	\$7,750.00
TOYOTA	2023-	Camry	2.5L	\$4,600	\$2,350	\$400	\$7,550.00
TOYOTA	2023-	Camry Hybrid	2.5L	\$4,600	\$2,350	\$400	\$7,550.00

### Appendix B

Propane Cost per Gallon	Zone 1			
	Annual Gallons	Annual Gallons	Annual Gallons	Annual Gallons
	0-499,999	500,000-749,999	750,000-999,999	1,000,000-1,500,000
Direct Cost-Apex	\$0.78	\$0.78	\$0.78	\$0.78
Transportation	\$0.295	\$0.295	\$0.295	\$0.295
Contractor Fee	<u>\$0.55</u>	<u>\$0.53</u>	<u>\$0.51</u>	<u>\$0.49</u>
<b>Contract Fee/Cost per Gallon</b>	<b>\$1.625</b>	<b>\$1.605</b>	<b>\$1.585</b>	<b>\$1.565</b>
Freight Belvieu TX-Apex NC	\$0.378	\$0.378	\$0.378	\$0.378
20% Renewable Cost per Gallon	<b>\$2.003</b>	<b>\$1.983</b>	<b>\$1.963</b>	<b>\$1.943</b>
<b>Zone 2,3,4</b>				
Direct Cost-Apex	\$0.78	\$0.78	\$0.78	\$0.78
Transportation	\$0.23	\$0.23	\$0.23	\$0.23
Contractor Fee	<u>\$0.55</u>	<u>\$0.53</u>	<u>\$0.51</u>	<u>\$0.49</u>
<b>Contract Fee/Cost per Gallon</b>	<b>\$1.56</b>	<b>\$1.54</b>	<b>\$1.52</b>	<b>\$1.49</b>
Freight Belvieu TX-Apex NC	\$0.378	\$0.378	\$0.378	\$0.378
20% Renewable Cost per Gallon	<b>\$1.938</b>	<b>\$1.918</b>	<b>\$1.898</b>	<b>\$1.878</b>
<b>Zone 5,6,7,8,9</b>				
Direct Cost-Apex	\$0.78	\$0.78	\$0.78	\$0.78
Transportation	\$0.16	\$0.16	\$0.16	\$0.16
Contractor Fee	<u>\$0.55</u>	<u>\$0.53</u>	<u>\$0.51</u>	<u>\$0.49</u>
<b>Contract Fee/Cost per Gallon</b>	<b>\$1.49</b>	<b>\$1.47</b>	<b>\$1.45</b>	<b>\$1.43</b>
Freight Belvieu TX-Apex NC	\$0.378	\$0.378	\$0.378	\$0.378
20% Renewable Cost per Gallon	<b>\$1.868</b>	<b>\$1.848</b>	<b>\$1.828</b>	<b>\$1.808</b>

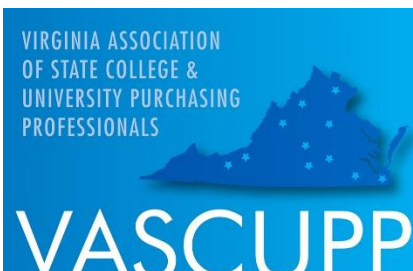


# Request for Proposal

## **RFP# KLM-1196**

**Vehicle Conversion Services & Related  
Materials**

**October 18, 2023**



**DEADLINE FOR SUBMISSION OF QUESTIONS: Wednesday, November 1, 2023 @ 5:00 p.m.**

Name	Organization	E-mail Address
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# ***REQUEST FOR PROPOSAL***

## ***RFP# KLM-1196***

**Issue Date:** October 18, 2023

**Title:** Vehicle Conversion Services & Related Materials

**Issuing Agency:** Commonwealth of Virginia  
James Madison University  
Procurement Services MSC 5720  
752 Ott Street, Wine Price Building  
First Floor, Suite 1023  
Harrisonburg, VA 22807

**Period of Contract:** From Date of Award Through One Year (Renewable)

**Sealed Proposals Will Be Received Until 2:00 PM on November 16, 2023 for Furnishing The Services Described Herein.**

*SEALED PROPOSALS MAY BE MAILED, EXPRESS MAILED, OR HAND DELIVERED DIRECTLY TO THE ISSUING AGENCY SHOWN ABOVE.*

All Inquiries For Information And Clarification Should Be Directed To: Krista McDaniel, Procurement Manager, Procurement Services, [nealiskl@jmu.edu](mailto:nealiskl@jmu.edu); 540-568-3130; (Fax) 540-568-7935.

**NOTE: THE SIGNED PROPOSAL AND ALL ATTACHMENTS SHALL BE RETURNED.**

In compliance with this Request for Proposal and to all the conditions imposed herein, the undersigned offers and agrees to furnish the goods/services in accordance with the attached signed proposal or as mutually agreed upon by subsequent negotiation.

Name and Address of Firm:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

By: \_\_\_\_\_  
(Signature in Ink)

Name: \_\_\_\_\_  
(Please Print)

Date: \_\_\_\_\_

Title: \_\_\_\_\_

Web Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Fax #: \_\_\_\_\_

ACKNOWLEDGE RECEIPT OF ADDENDUM: #1\_\_\_\_\_ #2\_\_\_\_\_ #3\_\_\_\_\_ #4\_\_\_\_\_ #5\_\_\_\_\_ (please initial)

SMALL, WOMAN OR MINORITY OWNED BUSINESS:

☐ YES; ☐ NO; IF YES ⇒⇒ ☐ SMALL; ☐ WOMAN; ☐ MINORITY IF MINORITY: ☐ AA; ☐ HA; ☐ AsA; ☐ NW; ☐ Micro

**Note:** This public body does not discriminate against faith-based organizations in accordance with the *Code of Virginia*, § 2.2-4343.1 or against an offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

# ***REQUEST FOR PROPOSAL***

***RFP # KLM-1196***

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## **I. PURPOSE**

The purpose of this Request for Proposal (RFP) is to solicit sealed proposals from qualified sources to enter into a contract to provide vehicle conversion services and related materials for Virginia Clean Cities and James Madison University (JMU), an agency of the Commonwealth of Virginia in collaboration with the Virginia Higher Education Procurement Consortium (VHEPC). Initial contract shall be for one (1) year with an option to renew for four (4) additional one-year periods.

## **II. BACKGROUND**

James Madison University is a comprehensive university in Harrisonburg, Virginia, that is part of the statewide system of public higher education in the Commonwealth. The university offers programs at the bachelor's, master's and doctoral levels with its primary emphasis on the undergraduate student. JMU's current enrollment is approximately 22,000 full and part-time students. The university employs approximately 4,000 faculty and staff.

VHEPC was formed in December 2014. It represents 12 public senior Colleges and Universities in Virginia, in addition to the Virginia Community College System ("Members"). The mission of VHEPC, by using the collective buying power of its Members, is to seek opportunities, leverage suppliers, and recommend courses of action in order to further strategic sourcing initiatives. This RFP is one of the strategic sourcing initiatives. The goal of this RFP and the resulting agreement(s) is to provide an opportunity to reduce costs, minimize administrative burden, and to ensure regulatory and policy compliance for VHEPC and VHEPC Members.

The Virginia Clean Cities story begins in 1996 in Hampton Roads when the U.S. Department of Energy recognized the city as a Clean Cities Coalition. In 2001, the non-profit Virginia Clean Cities, Inc. was created to manage the Coalition. In 2009, Virginia Clean Cities formed a partnership with James Madison University enabling both organizations to leverage resources, current initiatives, and future opportunities. Virginia Clean Cities at JMU managed the nation's largest propane vehicle conversion project in 2010-2014 converting 1,200 vehicles.

The Clean Cities program is a partnership with the Department of Energy in accordance with the Energy Policy Act of 1992. This legislation's express intent is to ensure national energy security by reducing dependence on imported petroleum products. The Clean Cities program was chartered to help achieve this objective by promoting alternative fuel use in the transportation sector.

Virginia Clean Cities is interested in continuing their mission to reduce dependence on imported petroleum products by converted standard vehicles to run on clean-burning alternative fuel products such as propane and renewable propane.

## **III. SMALL, WOMAN-OWNED AND MINORITY PARTICIPATION**

It is the policy of the Commonwealth of Virginia to contribute to the establishment, preservation, and strengthening of small businesses and businesses owned by women and minorities, and to encourage their participation in State procurement activities. The Commonwealth encourages contractors to provide for the participation of small businesses and businesses owned by women and minorities through partnerships, joint ventures, subcontracts, and other contractual opportunities. Attachment B contains information on reporting spend data with subcontractors.

## **IV. STATEMENT OF NEEDS**

Contractor shall make available to any Public Body the following:

1. Propane for vehicle fueling
2. Conversion of user-owned vehicle for propane operation
3. Fueling infrastructure

A. The selected vehicle conversion service provider will be responsible for the following:

1. Vehicle Assessment:

- a. Present EPA and/or CARB certified conversion equipment details and a price per vehicle platform which will be accessible for public government fleets.

2. Conversion Process:

- a. Procure and install all necessary conversion equipment, including fueling systems, or propane conversion kits.
- b. Ensure compliance with all safety standards and regulations pertaining to vehicle conversions.
- c. Conduct rigorous testing and quality assurance checks to ensure the converted vehicles operate safely and efficiently.

3. Training:

- a. Provide training to our maintenance personnel on the maintenance and servicing of converted vehicles.
- b. Offer training to our drivers on the proper operation and safety protocols associated with the use of alternative fuel vehicles.

4. Ongoing Support:

- a. Provide ongoing maintenance and support services for the converted vehicles, including troubleshooting and repairs as needed.
- b. Contractor will provide a listing of vendors that can re-certify existing conversion equipment.
- c. Supply a reliable source of alternative fuel (if applicable).

B. Fuel pricing shall be comprised of direct fuel costs, transportation costs, and a contractor fee. The transportation costs and contractor fee may be evaluated annually. Fuel pricing is requested also for renewable propane for fuel cost and agreement to disclose modeled lifecycle carbon intensity compared with gasoline.

- C. Pricing for conversion services will be modified as additional OEM and conversion solutions are made available. Conversions hereunder will not invalidate any manufacturer warranty covering the vehicle.
- D. Contractor will provide training to Public Bodies, at no cost, on the use of the propane fueling set-up.
- E. All other reasonable training (virtual, vehicle maintenance, first responder, other) shall be provided at no additional cost once a Public Body begins to purchase fuel, or purchase vehicle conversions.
- F. Contractor will work to market, promote, and identify opportunities to expand Propane and renewable propane solutions to Public Bodies across the Commonwealth of Virginia.
- G. Contractor will conduct monthly updates, either face-to-face or via teleconference, to discuss status of deployed propane solutions, identify opportunities for implementing propane solutions across the Commonwealth of Virginia.

## II. PROPOSAL PREPARATION AND SUBMISSION

### A. GENERAL INSTRUCTIONS

**To ensure timely and adequate consideration of your proposal, offerors are to limit all contact, whether verbal or written, pertaining to this RFP to the James Madison University Procurement Office for the duration of this Proposal process. Failure to do so may jeopardize further consideration of Offeror's proposal.**

1. RFP Response: In order to be considered for selection, the **Offeror shall submit a complete response to this RFP**; and shall submit to the issuing Purchasing Agency:
  - a. **One (1) original and one (1) copies** of the entire proposal, INCLUDING ALL ATTACHMENTS. Any proprietary information should be clearly marked in accordance with 3.f. below.
  - b. **One (1) electronic copy in WORD format or searchable PDF** (*CD or flash drive*) of the entire proposal, INCLUDING ALL ATTACHMENTS. Any proprietary information should be clearly marked in accordance with 3.f. below.
  - c. Should the proposal contain **proprietary information**, provide **one (1) redacted hard copy** of the proposal and all attachments with **proprietary portions removed or blacked out**. This copy should be clearly marked "*Redacted Copy*" on the front cover. The classification of an entire proposal document, line item prices, and/or total proposal prices as proprietary or trade secrets is not acceptable. JMU shall not be responsible for the Contractor's failure to exclude proprietary information from this redacted copy.

No other distribution of the proposal shall be made by the Offeror.

2. The version of the solicitation issued by JMU Procurement Services, as amended by an addenda, is the mandatory controlling version of the document. Any modification of, or

additions to, the solicitation by the Offeror shall not modify the official version of the solicitation issued by JMU Procurement services unless accepted in writing by the University. Such modifications or additions to the solicitation by the Offeror may be cause for rejection of the proposal; however, JMU reserves the right to decide, on a case-by-case basis in its sole discretion, whether to reject such a proposal. If the modification or additions are not identified until after the award of the contract, the controlling version of the solicitation document shall still be the official state form issued by Procurement Services.

### 3. Proposal Preparation

- a. Proposals shall be signed by an authorized representative of the Offeror. All information requested should be submitted. Failure to submit all information requested may result in the purchasing agency requiring prompt submissions of missing information and/or giving a lowered evaluation of the proposal. Proposals which are substantially incomplete or lack key information may be rejected by the purchasing agency. Mandatory requirements are those required by law or regulation or are such that they cannot be waived and are not subject to negotiation.
- b. Proposals shall be prepared simply and economically, providing a straightforward, concise description of capabilities to satisfy the requirements of the RFP. Emphasis should be placed on completeness and clarity of content.
- c. Proposals should be organized in the order in which the requirements are presented in the RFP. All pages of the proposal should be numbered. Each paragraph in the proposal should reference the paragraph number of the corresponding section of the RFP. It is also helpful to cite the paragraph number, sub letter, and repeat the text of the requirement as it appears in the RFP. If a response covers more than one page, the paragraph number and sub letter should be repeated at the top of the next page. The proposal should contain a table of contents which cross references the RFP requirements. Information which the offeror desires to present that does not fall within any of the requirements of the RFP should be inserted at the appropriate place or be attached at the end of the proposal and designated as additional material. Proposals that are not organized in this manner risk elimination from consideration if the evaluators are unable to find where the RFP requirements are specifically addressed.
- d. As used in this RFP, the terms “must”, “shall”, “should” and “may” identify the criticality of requirements. “Must” and “shall” identify requirements whose absence will have a major negative impact on the suitability of the proposed solution. Items labeled as “should” or “may” are highly desirable, although their absence will not have a large impact and would be useful, but are not necessary. Depending on the overall response to the RFP, some individual “must” and “shall” items may not be fully satisfied, but it is the intent to satisfy most, if not all, “must” and “shall” requirements. The inability of an offeror to satisfy a “must” or “shall” requirement does not automatically remove that offeror from consideration; however, it may seriously affect the overall rating of the offeror’s proposal.
- e. Each copy of the proposal should be bound or contained in a single volume where practical. All documentation submitted with the proposal should be contained in that single volume.
- f. Ownership of all data, materials and documentation originated and prepared for the State pursuant to the RFP shall belong exclusively to the State and be subject to public

inspection in accordance with the Virginia Freedom of Information Act. Trade secrets or proprietary information submitted by the offeror shall not be subject to public disclosure under the Virginia Freedom of Information Act; however, the offeror must invoke the protection of Section 2.2-4342F of the Code of Virginia, in writing, either before or at the time the data is submitted. The written notice must specifically identify the data or materials to be protected and state the reasons why protection is necessary. The proprietary or trade secret materials submitted must be identified by some distinct method such as highlighting or underlining and must indicate only the specific words, figures, or paragraphs that constitute trade secret or proprietary information. The classification of an entire proposal document, line item prices and/or total proposal prices as proprietary or trade secrets is not acceptable and will result in rejection and return of the proposal.

4. Oral Presentation: Offerors who submit a proposal in response to this RFP may be required to give an oral presentation of their proposal to James Madison University. This provides an opportunity for the Offeror to clarify or elaborate on the proposal. This is a fact-finding and explanation session only and does not include negotiation. James Madison University will schedule the time and location of these presentations. Oral presentations are an option of the University and may or may not be conducted. Therefore, proposals should be complete.

#### B. SPECIFIC PROPOSAL INSTRUCTIONS

Proposals should be as thorough and detailed as possible so that James Madison University may properly evaluate your capabilities to provide the required services. Offerors are required to submit the following items as a complete proposal:

1. Return RFP cover sheet and all addenda acknowledgements, if any, signed and filled out as required.
2. Plan and methodology for providing the goods/services as described in Section IV. Statement of Needs of this Request for Proposal.
3. A written narrative statement to include, but not be limited to, the expertise, qualifications, and experience of the firm and resumes of specific personnel to be assigned to perform the work.
4. Offeror Data Sheet, included as *Attachment A* to this RFP.
5. Small Business Subcontracting Plan, included as *Attachment B* to this RFP. Offeror shall provide a Small Business Subcontracting plan which summarizes the planned utilization of Department of Small Business and Supplier Diversity (SBSD)-certified small businesses which include businesses owned by women and minorities, when they have received Department of Small Business and Supplier Diversity (SBSD) small business certification, under the contract to be awarded as a result of this solicitation. This is a requirement for all prime contracts in excess of \$100,000 unless no subcontracting opportunities exist.
6. Identify the amount of sales your company had during the last twelve months with each VASCUPP Member Institution. A list of VASCUPP Members can be found at: [www.VASCUPP.org](http://www.VASCUPP.org).
7. Proposed Cost. See Section X. Pricing Schedule of this Request for Proposal.

### III. EVALUATION AND AWARD CRITERIA

#### A. EVALUATION CRITERIA

Proposals shall be evaluated by James Madison University using the following criteria:

	Points
1. Quality of products/services offered and suitability for intended purposes	25
2. Qualifications and experience of Offeror in providing the goods/services	20
3. Specific plans or methodology to be used to perform the services	30
4. Participation of Small, Women-Owned, & Minority (SWaM) Businesses	10
5. Cost	15
	<hr/> 100

AWARD TO MULTIPLE OFFERORS: Selection shall be made of two or more offerors deemed to be fully qualified and best suited among those submitting proposals on the basis of the evaluation factors included in the Request for Proposals, including price, if so stated in the Request for Proposals. Negotiations shall be conducted with the offerors so selected. Price shall be considered, but need not be the sole determining factor. After negotiations have been conducted with each offeror so selected, the agency shall select the offeror which, in its opinion, has made the best proposal, and shall award the contract to that offeror. The Commonwealth reserves the right to make multiple awards as a result of this solicitation. The Commonwealth may cancel this Request for Proposals or reject proposals at any time prior to an award, and is not required to furnish a statement of the reasons why a particular proposal was not deemed to be the most advantageous. Should the Commonwealth determine in writing and in its sole discretion that only one offeror is fully qualified, or that one offeror is clearly more highly qualified than the others under consideration, a contract may be negotiated and awarded to that offeror. The award document will be a contract incorporating by reference all the requirements, terms and conditions of the solicitation and the contractor's proposal as negotiated.

### IV. GENERAL TERMS AND CONDITIONS

- A. PURCHASING MANUAL: This solicitation is subject to the provisions of the Commonwealth of Virginia's Purchasing Manual for Institutions of Higher Education and Their Vendors and any revisions thereto, which are hereby incorporated into this contract in their entirety. A copy of the manual is available for review at the purchasing office. In addition, the manual may be accessed electronically at <http://www.jmu.edu/procurement> or a copy can be obtained by calling Procurement Services at (540) 568-3145.
- B. APPLICABLE LAWS AND COURTS: This solicitation and any resulting contract shall be governed in all respects by the laws of the Commonwealth of Virginia and any litigation with respect thereto shall be brought in the courts of the Commonwealth. The Contractor shall comply with applicable federal, state and local laws and regulations.

- C. ANTI-DISCRIMINATION: By submitting their proposals, offerors certify to the Commonwealth that they will conform to the provisions of the Federal Civil Rights Act of 1964, as amended, as well as the Virginia Fair Employment Contracting Act of 1975, as amended, where applicable, the Virginians With Disabilities Act, the Americans With Disabilities Act and §10 of the Rules Governing Procurement, Chapter 2, Exhibit J, Attachment 1 (available for review at <http://www.jmu.edu/procurement>). If the award is made to a faith-based organization, the organization shall not discriminate against any recipient of goods, services, or disbursements made pursuant to the contract on the basis of the recipient's religion, religious belief, refusal to participate in a religious practice, or on the basis of race, age, color, gender, sexual orientation, gender identity, or national origin and shall be subject to the same rules as other organizations that contract with public bodies to account for the use of the funds provided; however, if the faith-based organization segregates public funds into separate accounts, only the accounts and programs funded with public funds shall be subject to audit by the public body. (*§6 of the Rules Governing Procurement*).

In every contract over \$10,000 the provisions in 1. and 2. below apply:

1. During the performance of this contract, the contractor agrees as follows:
    - a. The contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, sexual orientation, gender identity, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
    - b. The contractor, in all solicitations or advertisements for employees placed by or on behalf of the contractor, will state that such contractor is an equal opportunity employer.
    - c. Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting these requirements.
  2. The contractor will include the provisions of 1. above in every subcontract or purchase order over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.
- D. ETHICS IN PUBLIC CONTRACTING: By submitting their proposals, offerors certify that their proposals are made without collusion or fraud and that they have not offered or received any kickbacks or inducements from any other offeror, supplier, manufacturer or subcontractor in connection with their proposal, and that they have not conferred on any public employee having official responsibility for this procurement transaction any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised, unless consideration of substantially equal or greater value was exchanged.
- E. IMMIGRATION REFORM AND CONTROL ACT OF 1986: By entering into a written contract with the Commonwealth of Virginia, the Contractor certifies that the Contractor does not, and shall not during the performance of the contract for goods and services in the Commonwealth, knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986.

- F. DEBARMENT STATUS: By submitting their proposals, offerors certify that they are not currently debarred by the Commonwealth of Virginia from submitting proposals on contracts for the type of goods and/or services covered by this solicitation, nor are they an agent of any person or entity that is currently so debarred.
- G. ANTITRUST: By entering into a contract, the contractor conveys, sells, assigns, and transfers to the Commonwealth of Virginia all rights, title and interest in and to all causes of action it may now have or hereafter acquire under the antitrust laws of the United States and the Commonwealth of Virginia, relating to the particular goods or services purchased or acquired by the Commonwealth of Virginia under said contract.
- H. MANDATORY USE OF STATE FORM AND TERMS AND CONDITIONS RFPs: Failure to submit a proposal on the official state form provided for that purpose may be a cause for rejection of the proposal. Modification of or additions to the General Terms and Conditions of the solicitation may be cause for rejection of the proposal; however, the Commonwealth reserves the right to decide, on a case by case basis, in its sole discretion, whether to reject such a proposal.
- I. CLARIFICATION OF TERMS: If any prospective offeror has questions about the specifications or other solicitation documents, the prospective offeror should contact the buyer whose name appears on the face of the solicitation no later than five working days before the due date. Any revisions to the solicitation will be made only by addendum issued by the buyer.
- J. PAYMENT:
1. To Prime Contractor:
    - a. Invoices for items ordered, delivered and accepted shall be submitted by the contractor directly to the payment address shown on the purchase order/contract. All invoices shall show the state contract number and/or purchase order number; social security number (for individual contractors) or the federal employer identification number (for proprietorships, partnerships, and corporations).
    - b. Any payment terms requiring payment in less than 30 days will be regarded as requiring payment 30 days after invoice or delivery, whichever occurs last. This shall not affect offers of discounts for payment in less than 30 days, however.
    - c. All goods or services provided under this contract or purchase order, that are to be paid for with public funds, shall be billed by the contractor at the contract price, regardless of which public agency is being billed.
    - d. The following shall be deemed to be the date of payment: the date of postmark in all cases where payment is made by mail, or the date of offset when offset proceedings have been instituted as authorized under the Virginia Debt Collection Act.
    - e. Unreasonable Charges. Under certain emergency procurements and for most time and material purchases, final job costs cannot be accurately determined at the time orders are placed. In such cases, contractors should be put on notice that final payment in full is contingent on a determination of reasonableness with respect to all invoiced charges. Charges which appear to be unreasonable

will be researched and challenged, and that portion of the invoice held in abeyance until a settlement can be reached. Upon determining that invoiced charges are not reasonable, the Commonwealth shall promptly notify the contractor, in writing, as to those charges which it considers unreasonable and the basis for the determination. A contractor may not institute legal action unless a settlement cannot be reached within thirty (30) days of notification. The provisions of this section do not relieve an agency of its prompt payment obligations with respect to those charges which are not in dispute (*Rules Governing Procurement, Chapter 2, Exhibit J, Attachment 1 § 53; available for review at <http://www.jmu.edu/procurement>*).

2. To Subcontractors:
    - a. A contractor awarded a contract under this solicitation is hereby obligated:
      - (1) To pay the subcontractor(s) within seven (7) days of the contractor's receipt of payment from the Commonwealth for the proportionate share of the payment received for work performed by the subcontractor(s) under the contract; or
      - (2) To notify the agency and the subcontractors, in writing, of the contractor's intention to withhold payment and the reason.
    - b. The contractor is obligated to pay the subcontractor(s) interest at the rate of one percent per month (unless otherwise provided under the terms of the contract) on all amounts owed by the contractor that remain unpaid seven (7) days following receipt of payment from the Commonwealth, except for amounts withheld as stated in (2) above. The date of mailing of any payment by U. S. Mail is deemed to be payment to the addressee. These provisions apply to each sub-tier contractor performing under the primary contract. A contractor's obligation to pay an interest charge to a subcontractor may not be construed to be an obligation of the Commonwealth.
  3. Each prime contractor who wins an award in which provision of a SWAM procurement plan is a condition to the award, shall deliver to the contracting agency or institution, on or before request for final payment, evidence and certification of compliance (subject only to insubstantial shortfalls and to shortfalls arising from subcontractor default) with the SWAM procurement plan. Final payment under the contract in question may be withheld until such certification is delivered and, if necessary, confirmed by the agency or institution, or other appropriate penalties may be assessed in lieu of withholding such payment.
  4. The Commonwealth of Virginia encourages contractors and subcontractors to accept electronic and credit card payments.
- K. PRECEDENCE OF TERMS: Paragraphs A through J of these General Terms and Conditions and the Commonwealth of Virginia Purchasing Manual for Institutions of Higher Education and their Vendors, shall apply in all instances. In the event there is a conflict between any of the other General Terms and Conditions and any Special Terms and Conditions in this solicitation, the Special Terms and Conditions shall apply.
- L. QUALIFICATIONS OF OFFERORS: The Commonwealth may make such reasonable investigations as deemed proper and necessary to determine the ability of the offeror to perform the services/furnish the goods and the offeror shall furnish to the Commonwealth all such information and data for this purpose as may be requested. The Commonwealth reserves the

right to inspect offeror's physical facilities prior to award to satisfy questions regarding the offeror's capabilities. The Commonwealth further reserves the right to reject any proposal if the evidence submitted by, or investigations of, such offeror fails to satisfy the Commonwealth that such offeror is properly qualified to carry out the obligations of the contract and to provide the services and/or furnish the goods contemplated therein.

- M. TESTING AND INSPECTION: The Commonwealth reserves the right to conduct any test/inspection it may deem advisable to assure goods and services conform to the specifications.
- N. ASSIGNMENT OF CONTRACT: A contract shall not be assignable by the contractor in whole or in part without the written consent of the Commonwealth.
- O. CHANGES TO THE CONTRACT: Changes can be made to the contract in any of the following ways:
  - 1. The parties may agree in writing to modify the scope of the contract. An increase or decrease in the price of the contract resulting from such modification shall be agreed to by the parties as a part of their written agreement to modify the scope of the contract.
  - 2. The Purchasing Agency may order changes within the general scope of the contract at any time by written notice to the contractor. Changes within the scope of the contract include, but are not limited to, things such as services to be performed, the method of packing or shipment, and the place of delivery or installation. The contractor shall comply with the notice upon receipt. The contractor shall be compensated for any additional costs incurred as the result of such order and shall give the Purchasing Agency a credit for any savings. Said compensation shall be determined by one of the following methods:
    - a. By mutual agreement between the parties in writing; or
    - b. By agreeing upon a unit price or using a unit price set forth in the contract, if the work to be done can be expressed in units, and the contractor accounts for the number of units of work performed, subject to the Purchasing Agency's right to audit the contractor's records and/or to determine the correct number of units independently; or
    - c. By ordering the contractor to proceed with the work and keep a record of all costs incurred and savings realized. A markup for overhead and profit may be allowed if provided by the contract. The same markup shall be used for determining a decrease in price as the result of savings realized. The contractor shall present the Purchasing Agency with all vouchers and records of expenses incurred and savings realized. The Purchasing Agency shall have the right to audit the records of the contractor as it deems necessary to determine costs or savings. Any claim for an adjustment in price under this provision must be asserted by written notice to the Purchasing Agency within thirty (30) days from the date of receipt of the written order from the Purchasing Agency. If the parties fail to agree on an amount of adjustment, the question of an increase or decrease in the contract price or time for performance shall be resolved in accordance with the procedures for resolving disputes provided by the Disputes Clause of this contract or, if there is none, in accordance with the disputes provisions of the Commonwealth of Virginia Purchasing Manual for Institutions of Higher Education and their Vendors. Neither the existence of a claim nor a dispute resolution process, litigation or any other provision of this contract shall excuse the contractor from promptly complying with the changes ordered by the Purchasing Agency or with the performance of the contract generally.

- P. DEFAULT: In case of failure to deliver goods or services in accordance with the contract terms and conditions, the Commonwealth, after due oral or written notice, may procure them from other sources and hold the contractor responsible for any resulting additional purchase and administrative costs. This remedy shall be in addition to any other remedies which the Commonwealth may have.
- Q. INSURANCE: By signing and submitting a proposal under this solicitation, the offeror certifies that if awarded the contract, it will have the following insurance coverage at the time the contract is awarded. For construction contracts, if any subcontractors are involved, the subcontractor will have workers' compensation insurance in accordance with § 25 of the Rules Governing Procurement – Chapter 2, Exhibit J, Attachment 1, and 65.2-800 et. Seq. of the Code of Virginia (available for review at <http://www.jmu.edu/procurement>) The offeror further certifies that the contractor and any subcontractors will maintain these insurance coverage during the entire term of the contract and that all insurance coverage will be provided by insurance companies authorized to sell insurance in Virginia by the Virginia State Corporation Commission.

MINIMUM INSURANCE COVERAGES AND LIMITS REQUIRED FOR MOST CONTRACTS:

1. Workers' Compensation: Statutory requirements and benefits. Coverage is compulsory for employers of three or more employees, to include the employer. Contractors who fail to notify the Commonwealth of increases in the number of employees that change their workers' compensation requirement under the Code of Virginia during the course of the contract shall be in noncompliance with the contract.
  2. Employer's Liability: \$100,000
  3. Commercial General Liability: \$1,000,000 per occurrence and \$2,000,000 in the aggregate. Commercial General Liability is to include bodily injury and property damage, personal injury and advertising injury, products and completed operations coverage. The Commonwealth of Virginia must be named as an additional insured and so endorsed on the policy.
  4. Automobile Liability: \$1,000,000 combined single limit. *(Required only if a motor vehicle not owned by the Commonwealth is to be used in the contract. Contractor must assure that the required coverage is maintained by the Contractor (or third party owner of such motor vehicle.)*
- R. ANNOUNCEMENT OF AWARD: Upon the award or the announcement of the decision to award a contract over \$100,000, as a result of this solicitation, the purchasing agency will publicly post such notice on the DGS/DPS eVA web site ([www.eva.virginia.gov](http://www.eva.virginia.gov)) for a minimum of 10 days.
- S. DRUG-FREE WORKPLACE: During the performance of this contract, the contractor agrees to (i) provide a drug-free workplace for the contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the contractor that the contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing

clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this section, “drug-free workplace” means a site for the performance of work done in connection with a specific contract awarded to a contractor, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

- T. **NONDISCRIMINATION OF CONTRACTORS:** An offeror, or contractor shall not be discriminated against in the solicitation or award of this contract because of race, religion, color, sex, sexual orientation, gender identity, national origin, age, disability, faith-based organizational status, any other basis prohibited by state law relating to discrimination in employment or because the offeror employs ex-offenders unless the state agency, department or institution has made a written determination that employing ex-offenders on the specific contract is not in its best interest. If the award of this contract is made to a faith-based organization and an individual, who applies for or receives goods, services, or disbursements provided pursuant to this contract objects to the religious character of the faith-based organization from which the individual receives or would receive the goods, services, or disbursements, the public body shall offer the individual, within a reasonable period of time after the date of his objection, access to equivalent goods, services, or disbursements from an alternative provider.
- U. **eVA BUSINESS TO GOVERNMENT VENDOR REGISTRATION, CONTRACTS, AND ORDERS:** The eVA Internet electronic procurement solution, website portal [www.eVA.virginia.gov](http://www.eVA.virginia.gov), streamlines and automates government purchasing activities in the Commonwealth. The eVA portal is the gateway for vendors to conduct business with state agencies and public bodies. All vendors desiring to provide goods and/or services to the Commonwealth shall participate in the eVA Internet eprocurement solution by completing the free eVA Vendor Registration. All offerors must register in eVA and pay the Vendor Transaction Fees specified below; failure to register will result in the proposal being rejected. Vendor transaction fees are determined by the date the original purchase order is issued and the current fees are as follows:

Vendor transaction fees are determined by the date the original purchase order is issued and the current fees are as follows:

1. For orders issued July 1, 2014 and after, the Vendor Transaction Fee is:
  - a. Department of Small Business and Supplier Diversity (SBSD) certified Small Businesses: 1% capped at \$500 per order.
  - b. Businesses that are not Department of Small Business and Supplier Diversity (SBSD) certified Small Businesses: 1% capped at \$1,500 per order.
2. For orders issued prior to July 1, 2014 the vendor transaction fees can be found at [www.eVA.virginia.gov](http://www.eVA.virginia.gov).
3. The specified vendor transaction fee will be invoiced by the Commonwealth of Virginia Department of General Services approximately 60 days after the corresponding purchase order is issued and payable 30 days after the invoice date. Any adjustments (increases/decreases) will be handled through purchase order changes.

- V. AVAILABILITY OF FUNDS: It is understood and agreed between the parties herein that the Commonwealth of Virginia shall be bound hereunder only to the extent of the funds available or which may hereafter become available for the purpose of this agreement.
- W. PRICING CURRENCY: Unless stated otherwise in the solicitation, offerors shall state offered prices in U.S. dollars.
- X. E-VERIFY REQUIREMENT OF ANY CONTRACTOR: Any employer with more than an average of 50 employees for the previous 12 months entering into a contract in excess of \$50,000 with James Madison University to perform work or provide services pursuant to such contract shall register and participate in the E-Verify program to verify information and work authorization of its newly hired employees performing work pursuant to any awarded contract.
- Y. CIVILITY IN STATE WORKPLACES: The contractor shall take all reasonable steps to ensure that no individual, while performing work on behalf of the contractor or any subcontractor in connection with this agreement (each, a "Contract Worker"), shall engage in 1) harassment (including sexual harassment), bullying, cyber-bullying, or threatening or violent conduct, or 2) discriminatory behavior on the basis of race, sex, color, national origin, religious belief, sexual orientation, gender identity or expression, age, political affiliation, veteran status, or disability.

The contractor shall provide each Contract Worker with a copy of this Section and will require Contract Workers to participate in training on civility in the State workplace. Upon request, the contractor shall provide documentation that each Contract Worker has received such training.

For purposes of this Section, "State workplace" includes any location, permanent or temporary, where a Commonwealth employee performs any work-related duty or is representing his or her agency, as well as surrounding perimeters, parking lots, outside meeting locations, and means of travel to and from these locations. Communications are deemed to occur in a State workplace if the Contract Worker reasonably should know that the phone number, email, or other method of communication is associated with a State workplace or is associated with a person who is a State employee.

The Commonwealth of Virginia may require, at its sole discretion, the removal and replacement of any Contract Worker who the Commonwealth reasonably believes to have violated this Section.

This Section creates obligations solely on the part of the contractor. Employees or other third parties may benefit incidentally from this Section and from training materials or other communications distributed on this topic, but the Parties to this agreement intend this Section to be enforceable solely by the Commonwealth and not by employees or other third parties.

- Z. TAXES: Sales to the Commonwealth of Virginia are normally exempt from State sales tax. State sales and use tax certificates of exemption, Form ST-12, will be issued upon request. Deliveries against this contract shall usually be free of Federal excise and transportation taxes. The Commonwealth's excise tax exemption registration number is 54-73-0076K.
- AA. USE OF BRAND NAMES: Unless otherwise provided in this solicitation, the name of a certain brand, make or manufacturer does not restrict offerors to the specific brand, make or manufacturer named, but conveys the general style, type, character, and quality of the article desired. Any article which the public body, in its sole discretion, determines to be the equivalent of that specified, considering quality, workmanship, economy of operation, and

suitability for the purpose intended, shall be accepted. The offeror is responsible to clearly and specifically identify the product being offered and to provide sufficient descriptive literature, catalog cuts and technical detail to enable the Commonwealth to determine if the product offered meets the requirements of the solicitation. This is required even if offering the exact brand, make or manufacturer specified. Normally in a competitive sealed solicitation only the information furnished with the proposal will be considered in the evaluation. Failure to furnish adequate data for evaluation purposes may result in declaring a proposal nonresponsive. Unless the offeror clearly indicates in its proposal that the product offered is an equivalent product, such proposal will be considered to offer the brand name product referenced in the solicitation.

## V. SPECIAL TERMS AND CONDITIONS

- A. **AUDIT:** The Contractor hereby agrees to retain all books, records, systems, and other documents relative to this contract for five (5) years after final payment, or until audited by the Commonwealth of Virginia, whichever is sooner. The Commonwealth of Virginia, its authorized agents, and/or State auditors shall have full access to and the right to examine any of said materials during said period.
- B. **CANCELLATION OF CONTRACT:** James Madison University reserves the right to cancel and terminate any resulting contract, in part or in whole, without penalty, upon 60 days written notice to the contractor. In the event the initial contract period is for more than 12 months, the resulting contract may be terminated by either party, without penalty, after the initial 12 months of the contract period upon 60 days written notice to the other party. Any contract cancellation notice shall not relieve the contractor of the obligation to deliver and/or perform on all outstanding orders issued prior to the effective date of cancellation.
- C. **IDENTIFICATION OF PROPOSAL ENVELOPE:** The signed proposal should be returned in a separate envelope or package, sealed and identified as follows:

From:	<hr/>		
	Name of Offeror	Due Date	Time
	<hr/>		
	Street or Box No.	RFP #	
	<hr/>		
	City, State, Zip Code	RFP Title	
	<hr/>		
	Name of Purchasing Officer:		
	<hr/>		

The envelope should be addressed as directed on the title page of the solicitation.

The Offeror takes the risk that if the envelope is not marked as described above, it may be inadvertently opened and the information compromised, which may cause the proposal to be disqualified. Proposals may be hand-delivered to the designated location in the office issuing the solicitation. No other correspondence or other proposals should be placed in the envelope.

- D. **LATE PROPOSALS:** To be considered for selection, proposals must be received by the issuing office by the designated date and hour. The official time used in the receipt of proposals is that time on the automatic time stamp machine in the issuing office. Proposals received in the issuing office after the date and hour designated are automatically non responsive and will not be considered. The University is not responsible for delays in the delivery of mail by the U.S. Postal Service, private couriers, or the intra university mail system. It is the sole responsibility

of the Offeror to ensure that its proposal reaches the issuing office by the designated date and hour.

- E. UNDERSTANDING OF REQUIREMENTS: It is the responsibility of each offeror to inquire about and clarify any requirements of this solicitation that is not understood. The University will not be bound by oral explanations as to the meaning of specifications or language contained in this solicitation. Therefore, all inquiries deemed to be substantive in nature must be in writing and submitted to the responsible buyer in the Procurement Services Office. Offerors must ensure that written inquiries reach the buyer at least five (5) days prior to the time set for receipt of offerors proposals. A copy of all queries and the respective response will be provided in the form of an addendum to all offerors who have indicated an interest in responding to this solicitation. Your signature on your Offer certifies that you fully understand all facets of this solicitation. These questions may be sent by Fax to 540/568-7935.
- F. RENEWAL OF CONTRACT: This contract may be renewed by the Commonwealth for a period of four (4) successive one-year periods under the terms and conditions of the original contract except as stated in 1. and 2. below. Price increases may be negotiated only at the time of renewal. Written notice of the Commonwealth's intention to renew shall be given approximately 90 days prior to the expiration date of each contract period.
1. If the Commonwealth elects to exercise the option to renew the contract for an additional one-year period, the contract price(s) for the additional one year shall not exceed the contract price(s) of the original contract increased/decreased by no more than the percentage increase/decrease of the other services category of the CPI-W section of the Consumer Price Index of the United States Bureau of Labor Statistics for the latest twelve months for which statistics are available.
  2. If during any subsequent renewal periods, the Commonwealth elects to exercise the option to renew the contract, the contract price(s) for the subsequent renewal period shall not exceed the contract price(s) of the previous renewal period increased/decreased by more than the percentage increase/decrease of the other services category of the CPI-W section of the Consumer Price Index of the United States Bureau of Labor Statistics for the latest twelve months for which statistics are available.
- G. SUBMISSION OF INVOICES: All invoices shall be submitted within sixty days of contract term expiration for the initial contract period as well as for each subsequent contract renewal period. Any invoices submitted after the sixty day period will not be processed for payment.
- H. OPERATING VEHICLES ON JAMES MADISON UNIVERSITY CAMPUS: Operating vehicles on sidewalks, plazas, and areas heavily used by pedestrians is prohibited. In the unlikely event a driver should find it necessary to drive on James Madison University sidewalks, plazas, and areas heavily used by pedestrians, the driver must yield to pedestrians. For a complete list of parking regulations, please go to [www.jmu.edu/parking](http://www.jmu.edu/parking); or to acquire a service representative parking permit, contact Parking Services at 540.568.3300. The safety of our students, faculty and staff is of paramount importance to us. Accordingly, violators may be charged.
- I. COOPERATIVE PURCHASING / USE OF AGREEMENT BY THIRD PARTIES: It is the intent of this solicitation and resulting contract(s) to allow for cooperative procurement. Accordingly, any public body, (to include government/state agencies, political subdivisions, etc.), cooperative purchasing organizations, public or private health or educational institutions or any University related foundation and affiliated corporations may access any resulting contract if authorized by the Contractor.

Participation in this cooperative procurement is strictly voluntary. If authorized by the Contractor(s), the resultant contract(s) will be extended to the entities indicated above to purchase goods and services in accordance with contract terms. As a separate contractual relationship, the participating entity will place its own orders directly with the Contractor(s) and shall fully and independently administer its use of the contract(s) to include contractual disputes, invoicing and payments without direct administration from the University. No modification of this contract or execution of a separate agreement is required to participate; however, the participating entity and the Contractor may modify the terms and conditions of this contract to accommodate specific governing laws, regulations, policies, and business goals required by the participating entity. Any such modification will apply solely between the participating entity and the Contractor.

The Contractor will notify the University in writing of any such entities accessing this contract. The Contractor will provide semi-annual usage reports for all entities accessing the contract. The University shall not be held liable for any costs or damages incurred by any other participating entity as a result of any authorization by the Contractor to extend the contract. It is understood and agreed that the University is not responsible for the acts or omissions of any entity and will not be considered in default of the contract no matter the circumstances.

Use of this contract(s) does not preclude any participating entity from using other contracts or competitive processes as needed.

J. SMALL BUSINESS SUBCONTRACTING AND EVIDENCE OF COMPLIANCE:

1. It is the goal of the Commonwealth that 42% of its purchases are made from small businesses. This includes discretionary spending in prime contracts and subcontracts. All potential offerors are required to submit a Small Business Subcontracting Plan. Unless the offeror is registered as a Department of Small Business and Supplier Diversity (SBSD)-certified small business and where it is practicable for any portion of the awarded contract to be subcontracted to other suppliers, the contractor is encouraged to offer such subcontracting opportunities to SBSD-certified small businesses. This shall not exclude SBSD-certified women-owned and minority-owned businesses when they have received SBSD small business certification. No offeror or subcontractor shall be considered a Small Business, a Women-Owned Business or a Minority-Owned Business unless certified as such by the Department of Small Business and Supplier Diversity (SBSD) by the due date for receipt of proposals. If small business subcontractors are used, the prime contractor agrees to report the use of small business subcontractors by providing the purchasing office at a minimum the following information: name of small business with the SBSD certification number or FEIN, phone number, total dollar amount subcontracted, category type (small, women-owned, or minority-owned), and type of product/service provided. **This information shall be submitted to: JMU Office of Procurement Services, Attn: SWAM Subcontracting Compliance, MSC 5720, Harrisonburg, VA 22807.**
2. Each prime contractor who wins an award in which provision of a small business subcontracting plan is a condition of the award, shall deliver to the contracting agency or institution with every request for payment, evidence of compliance (subject only to insubstantial shortfalls and to shortfalls arising from subcontractor default) with the small business subcontracting plan. **This information shall be submitted to: JMU Office of Procurement Services, SWAM Subcontracting Compliance, MSC 5720, Harrisonburg, VA 22807.** When such business has been subcontracted to these firms and upon completion of the contract, the contractor agrees to furnish the purchasing office at a minimum the following information: name of firm with the Department of Small Business

and Supplier Diversity (SBSD) certification number or FEIN number, phone number, total dollar amount subcontracted, category type (small, women-owned, or minority-owned), and type of product or service provided. Payment(s) may be withheld until compliance with the plan is received and confirmed by the agency or institution. The agency or institution reserves the right to pursue other appropriate remedies to include, but not be limited to, termination for default.

3. Each prime contractor who wins an award valued over \$200,000 shall deliver to the contracting agency or institution with every request for payment, information on use of subcontractors that are not Department of Small Business and Supplier Diversity (SBSD)-certified small businesses. When such business has been subcontracted to these firms and upon completion of the contract, the contractor agrees to furnish the purchasing office at a minimum the following information: name of firm, phone number, FEIN number, total dollar amount subcontracted, and type of product or service provided. **This information shall be submitted to: JMU Office of Procurement Services, Attn: SWAM Subcontracting Compliance, MSC 5720, Harrisonburg, VA 22807.**
- K. AUTHORIZATION TO CONDUCT BUSINESS IN THE COMMONWEALTH: A contractor organized as a stock or nonstock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership shall be authorized to transact business in the Commonwealth as a domestic or foreign business entity if so required by Title 13.1 or Title 50 of the Code of Virginia or as otherwise required by law. Any business entity described above that enters into a contract with a public body shall not allow its existence to lapse or its certificate of authority or registration to transact business in the Commonwealth, if so required under Title 13.1 or Title 50, to be revoked or cancelled at any time during the term of the contract. A public body may void any contract with a business entity if the business entity fails to remain in compliance with the provisions of this section.
- L. PUBLIC POSTING OF COOPERATIVE CONTRACTS: James Madison University maintains a web-based contracts database with a public gateway access. Any resulting cooperative contract/s to this solicitation will be posted to the publicly accessible website. Contents identified as proprietary information will not be made public.
- M. CRIMINAL BACKGROUND CHECKS OF PERSONNEL ASSIGNED BY CONTRACTOR TO PERFORM WORK ON JMU PROPERTY: The Contractor shall obtain criminal background checks on all of their contracted employees who will be assigned to perform services on James Madison University property. The results of the background checks will be directed solely to the Contractor. The Contractor bears responsibility for confirming to the University contract administrator that the background checks have been completed prior to work being performed by their employees or subcontractors. The Contractor shall only assign to work on the University campus those individuals whom it deems qualified and permissible based on the results of completed background checks. Notwithstanding any other provision herein, and to ensure the safety of students, faculty, staff and facilities, James Madison University reserves the right to approve or disapprove any contract employee that will work on JMU property. Disapproval by the University will solely apply to JMU property and should have no bearing on the Contractor's employment of an individual outside of James Madison University.
- N. INDEMNIFICATION: Contractor agrees to indemnify, defend and hold harmless the Commonwealth of Virginia, its officers, agents, and employees from any claims, damages and actions of any kind or nature, whether at law or in equity, arising from or caused by the use of any materials, goods, or equipment of any kind or nature furnished by the contractor/any services of any kind or nature furnished by the contractor, provided that such liability is not

attributable to the sole negligence of the using agency or to failure of the using agency to use the materials, goods, or equipment in the manner already and permanently described by the contractor on the materials, goods or equipment delivered.

- O. ADDITIONAL GOODS AND SERVICES: The University may acquire other goods or services that the supplier provides than those specifically solicited. The University reserves the right, subject to mutual agreement, for the Contractor to provide additional goods and/or services under the same pricing, terms, and conditions and to make modifications or enhancements to the existing goods and services. Such additional goods and services may include other products, components, accessories, subsystems, or related services that are newly introduced during the term of this Agreement. Such additional goods and services will be provided to the University at favored nations pricing, terms, and conditions.
- P. ADVERTISING: In the event a contract is awarded for supplies, equipment, or services resulting from this proposal, no indication of such sales or services to James Madison University will be used in product literature or advertising without the express written consent of the University. The contractor shall not state in any of its advertising or product literature that James Madison University has purchased or uses any of its products or services, and the contractor shall not include James Madison University in any client list in advertising and promotional materials without the express written consent of the University.
- Q. PRIME CONTRACTOR RESPONSIBILITIES: The contractor shall be responsible for completely supervising and directing the work under this contract and all subcontractors that he may utilize, using his best skill and attention. Subcontractors who perform work under this contract shall be responsible to the prime contractor. The contractor agrees that he is as fully responsible for the acts and omissions of his subcontractors and of persons employed by them as he is for the acts and omissions of his own employees.
- R. LABELING OF HAZARDOUS SUBSTANCES: If the items or products requested by this solicitation are "Hazardous Substances" as defined by § 1261 of Title 15 of the United States Code (U.S.C.) or "Pesticides" as defined in § 136 of Title 7 of the United States Code, then the bidder/offeror, by submitting his bid/proposal, certifies and warrants that the items or products to be delivered under this contract shall be properly labeled as required by the foregoing sections and that by delivering the items or products the bidder/offeror does not violate any of the prohibitions of Title 15 U.S.C. § 1263 or Title 7 U.S.C. § 136.
- S. WORK SITE DAMAGES: Any damage to existing utilities, equipment or finished surfaces resulting from the performance of this contract shall be repaired to the Commonwealth's satisfaction at the contractor's expense.
- T. WARRANTY (COMMERCIAL): The contractor agrees that the goods or services furnished under any award resulting from this solicitation shall be covered by the most favorable commercial warranties the contractor gives any customer for such goods or services and that the rights and remedies provided therein are in addition to and do not limit those available to the Commonwealth by any other clause of this solicitation. A copy of this warranty should be furnished with the bid/proposal.
- U. PRODUCT AVAILABILITY/SUBSTITUTION: Substitution of a product, brand or manufacturer after the award of contract is expressly prohibited unless approved in writing by the Contract Officer. The Agency may, at its discretion, require the contractor to provide a substitute item of equivalent or better quality subject to the approval of the Contract Officer, for a price no greater than the contract price, if the product for which the contract was awarded becomes unavailable to the contractor.

## VI. METHOD OF PAYMENT

The contractor will be paid based on invoices submitted in accordance with the solicitation and any negotiations. James Madison University recognizes the importance of expediting the payment process for our vendors and suppliers; we request that our vendors and suppliers enroll in our bank's Comprehensive Payable options: either the Virtual Payables Virtual Card or the PayMode-X electronic deposit (ACH) to your bank account so that future payments are made electronically. Contractors signed up for the Virtual Payables process will receive the benefit of being paid Net 15. Additional information is available online at:

<http://www.jmu.edu/financeoffice/accounting-operations-disbursements/cash-investments/vendor-payment-methods.shtml>

## VII. PRICING SCHEDULE

The offeror shall provide pricing for all products and services included in proposal indicating one-time and on-going costs. The resulting contract will be cooperative and pricing shall be inclusive for the attached Zone Map, of which JMU falls within Zone 2. Contractor can optionally present pricing on a per-zone detail.

**Fuel pricing shall be comprised of direct fuel costs, transportation costs, and a contractor fee, as follows:**

1. Propane direct fuel costs: Direct fuel pricing shall be the average Apex N.C. terminal price per gallon as posted in the Butane-Petroleum News (BPN) Weekly Propane newsletter every Thursday. Apex price per gallon shall be adjusted weekly, based on prices posted in the Thursday BPN Newsletter, to be effective the following Monday at 12:00 a.m. with pricing good through Sunday at 11:59 p.m.
2. Transportation costs: shall be provided for delivery to any location in the Commonwealth of Virginia where the Contractor has agreed to install and maintain propane infrastructure at no cost to a Public Body. Any change in the fee shall require the approval of the University and shall be documented in the form of a modification to the Agreement.
3. Contractor fee: This fee is inclusive of the Contractor's indirect costs and profit. Fee shall be charged on a sliding fee basis as documented in the table below. The sliding fee will be re-evaluated annually to determine if a change in the fee is necessary. Any change in the fee shall require the approval of the University, and shall be documented in the form of a modification to the Agreement.
  - a. Total volume usage for all users under this Agreement will be evaluated quarterly and will be used to estimate annual gallons consumed. This evaluation shall be based on trailing 12-month average, with the initial trailing average based on the annualized actual number of months elapsed since execution of the Agreement. The preceding quarter price will be adjusted accordingly based on the following schedule:

Annual Gallons	Contract Fee per Gallon
0 – 499,000	
500,000 – 749,999	

750,000 – 999,999	
1,000,000 – 1,499,999	
1,500,000 – 1,999,999	
2,000,000 – 2,499,999	
2,500,000 – 2,999,999	
Etc.	

**Example based off October 2023 Apex Pricing**

<b>Propane Price per Gallon</b>	
Direct Cost, Apex	\$.86
Transportation	\$0.10
Contractor Fee	\$0.10
Total	\$1.06/gallon

Contractor agrees to provide aftermarket vehicle conversion services for vehicles purchased by Public Bodies. Conversion kits are available from various manufacturers.

1. Aftermarket conversions will only be done on vehicles in which contractor or manufacturer of record holds EPA certifications. Converted vehicles will meet U.S. Government Standards for sale in the Commonwealth of Virginia. EPA Emissions Certification is available upon request. A listing of EPA certified vehicle conversions will be maintained and updated on Contractors or subcontractor websites.
2. Warranty: Vehicle conversions shall not impact applicable manufacturer warranties upon the vehicles. Contractor warrants that all materials and equipment related to a vehicle conversion shall be fully guaranteed against defects in material, workmanship, and operate in accordance with all original equipment manufacturer (OEM) operating standards and performance specifications for a minimum period of three (3) years or 30,000 miles, whichever comes first, following the date the converted vehicle is received by the Public Body from the Contractor after the vehicle conversion is completed. Should any defect be noted by the Public Body, then the Public Body will notify the Contractor of such defect or non-conformance. Such notification will state that the Contractor shall replace or correct the defect or non-conformance issue. The Contractor shall correct or replace equipment, at no cost to the Public Body, which shall be subject to all provisions of this clause to the same extent as the equipment initially delivered. If the Contractor refuses to replace or correct the deficiency, or fails to replace or correct after three tries, then the Public Body may have the equipment corrected or replaced with similar items and charge the Contractor for the costs.
  - a. In addition to the minimum three (3) year warranty period as requested above, provide a pricing for five (5) year/60,000 miles and a ten (10) year/90,000 miles warranty.
3. Vehicle Publications: The Contractor must furnish the following with each conversion (1 copy each per vehicle): New Vehicle Warranty Information Manual New Vehicle Owner's Manual Manufacturer's Statement of Origin (MSO) Delayed Warranty Start Form, and any other such documents as necessary for delivery.
4. Vehicle Delivery Schedule: The Public Body and Contractor shall discuss and develop a delivery schedule for completion of all conversion services prior to issuance of a purchase order.
5. Pricing includes shipping/transportation, pick-up from the Public Body's site and delivery to the Contractor's conversion site, then transport back to the Public Body site once conversion is complete. Pricing also includes all labor for the conversion, as well as labor, parts, and materials

to install and make operational the conversion to comply with all vehicle warranty requirements and specifications.

6. New or Conversions:

System	Price
Title of system or vehicle platform level detail and/or links to vendor page	Price in US Dollars

Specify any associated charge card processing fees, if applicable, to be billed to the University.

## **VIII. ATTACHMENTS**

Attachment A: Offeror Data Sheet

Attachment B: Small, Women, and Minority-owned Business (SWaM) Utilization Plan

Attachment C: Standard Contract Sample

Attachment D: Zone Map

Attachment E: Virginia Higher Education Procurement Consortium (VHEPC) Publicly  
Accessible Contract Agreement

## ATTACHMENT A

### OFFEROR DATA SHEET

#### TO BE COMPLETED BY OFFEROR

1. **QUALIFICATIONS OF OFFEROR:** Offerors must have the capability and capacity in all respects to fully satisfy the contractual requirements.
2. **YEARS IN BUSINESS:** Indicate the length of time you have been in business providing these types of goods and services.

Years \_\_\_\_\_ Months \_\_\_\_\_

3. **REFERENCES:** Indicate below a listing of at least five (5) organizations, either commercial or governmental/educational, that your agency is servicing. Include the name and address of the person the purchasing agency has your permission to contact.

CLIENT	LENGTH OF SERVICE	ADDRESS	CONTACT PERSON/PHONE #
--------	-------------------	---------	---------------------------


4. List full names and addresses of Offeror and any branch offices which may be responsible for administering the contract.


5. **RELATIONSHIP WITH THE COMMONWEALTH OF VIRGINIA:** Is any member of the firm an employee of the Commonwealth of Virginia who has a personal interest in this contract pursuant to the [CODE OF VIRGINIA](#), SECTION 2.2-3100 – 3131?

[ ] YES [ ] NO

IF YES, EXPLAIN: \_\_\_\_\_


## ATTACHMENT B

### Small, Women and Minority-owned Businesses (SWaM) Utilization Plan

**Offeror Name:** \_\_\_\_\_ **Preparer Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Is your firm a **Small Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, certification number: \_\_\_\_\_ Certification date: \_\_\_\_\_

Is your firm a **Woman-owned Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, certification number: \_\_\_\_\_ Certification date: \_\_\_\_\_

Is your firm a **Minority-Owned Business Enterprise** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, certification number: \_\_\_\_\_ Certification date: \_\_\_\_\_

Is your firm a **Micro Business** certified by the Department of Small Business and Supplier Diversity (SBSD)? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, certification number: \_\_\_\_\_ Certification date: \_\_\_\_\_

**Instructions:** *Populate the table below to show your firm's plans for utilization of small, women-owned and minority-owned business enterprises in the performance of the contract. Describe plans to utilize SWAMs businesses as part of joint ventures, partnerships, subcontractors, suppliers, etc.*

**Small Business:** "Small business " means a business, independently owned or operated by one or more persons who are citizens of the United States or non-citizens who are in full compliance with United States immigration law, which, together with affiliates, has 250 or fewer employees, or average annual gross receipts of \$10 million or less averaged over the previous three years.

**Woman-Owned Business Enterprise:** A business concern which is at least 51 percent owned by one or more women who are U.S. citizens or legal resident aliens, or in the case of a corporation, partnership or limited liability company or other entity, at least 51 percent of the equity ownership interest in which is owned by one or more women, and whose management and daily business operations are controlled by one or more of such individuals. **For purposes of the SWAM Program, all certified women-owned businesses are also a small business enterprise.**

**Minority-Owned Business Enterprise:** A business concern which is at least 51 percent owned by one or more minorities or in the case of a corporation, partnership or limited liability company or other entity, at least 51 percent of the equity ownership interest in which is owned by one or more minorities and whose management and daily business operations are controlled by one or more of such individuals. **For purposes of the SWAM Program, all certified minority-owned businesses are also a small business enterprise.**

**Micro Business** is a certified Small Business under the SWaM Program and has no more than twenty-five (25) employees **AND** no more than \$3 million in average annual revenue over the three-year period prior to their certification.

**All small, women, and minority owned businesses must be certified by the Commonwealth of Virginia Department of Small Business and Supplier Diversity (SBSD) to be counted in the SWAM program. Certification applications are available through SBSD at 800-223-0671 in Virginia, 804-786-6585 outside Virginia, or online at <http://www.sbsd.virginia.gov/> (Customer Service).**

***RETURN OF THIS PAGE IS REQUIRED***

**ATTACHMENT B (CNT'D)**  
Small, Women and Minority-owned Businesses (SWaM) Utilization Plan

Procurement Name and Number: \_\_\_\_\_

Date Form Completed: \_\_\_\_\_

Listing of Sub-Contractors, to include, Small, Woman Owned and Minority Owned Businesses  
for this Proposal and Subsequent Contract

Offeror / Proposer:

\_\_\_\_\_  
Firm

\_\_\_\_\_  
Address

\_\_\_\_\_  
Contact Person/No.

Sub-Contractor's Name and Address	Contact Person & Phone Number	SBSD Certification Number	Services or Materials Provided	Total Subcontractor Contract Amount (to include change orders)	Total Dollars Paid Subcontractor to date (to be submitted with request for payment from JMU)

*(Form shall be submitted with proposal and if awarded, again with submission of each request for payment)*

***RETURN OF THIS PAGE IS REQUIRED***

ATTACHMENT C



COMMONWEALTH OF VIRGINIA  
STANDARD CONTRACT

Contract No. \_\_\_\_\_

This contract entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by \_\_\_\_\_ hereinafter called the "Contractor" and Commonwealth of Virginia, James Madison University called the "Purchasing Agency".

WITNESSETH that the Contractor and the Purchasing Agency, in consideration of the mutual covenants, promises and agreements herein contained, agree as follows:

SCOPE OF CONTRACT: The Contractor shall provide the services to the Purchasing Agency as set forth in the Contract Documents.

PERIOD OF PERFORMANCE: From \_\_\_\_\_ through \_\_\_\_\_

The contract documents shall consist of:

- (1) This signed form;
- (2) The following portions of the Request for Proposals dated \_\_\_\_\_:
  - (a) The Statement of Needs,
  - (b) The General Terms and Conditions,
  - (c) The Special Terms and Conditions together with any negotiated modifications of those Special Conditions;
  - (d) List each addendum that may be issued
- (3) The Contractor's Proposal dated \_\_\_\_\_ and the following negotiated modification to the Proposal, all of which documents are incorporated herein.
  - (a) Negotiations summary dated \_\_\_\_\_.

IN WITNESS WHEREOF, the parties have caused this Contract to be duly executed intending to be bound thereby.

CONTRACTOR:

PURCHASING AGENCY:

By: \_\_\_\_\_  
(Signature)

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
(Printed Name)

Title: \_\_\_\_\_

Title: \_\_\_\_\_

## ATTACHMENT D

### Zone Map



## Virginia Association of State College & University Purchasing Professionals (VASCUPP)

### List of member institutions by zones

<b><u>Zone 1</u></b> George Mason University (Fairfax)	<b><u>Zone 2</u></b> James Madison University (Harrisonburg)	<b><u>Zone 3</u></b> University of Virginia (Charlottesville)
<b><u>Zone 4</u></b> University of Mary Washington (Fredericksburg)	<b><u>Zone 5</u></b> College of William and Mary (Williamsburg) Old Dominion University (Norfolk)	<b><u>Zone 6</u></b> Virginia Commonwealth University (Richmond)
<b><u>Zone 7</u></b> Longwood University (Farmville)	<b><u>Zone 8</u></b> Virginia Military Institute (Lexington) Virginia Tech (Blacksburg) Radford University (Radford)	<b><u>Zone 9</u></b> University of Virginia - Wise (Wise)

**ATTACHMENT E**  
**VHEPC AGREEMENT**  
**PUBLICLY ACCESSIBLE CONTRACT (PAC)**

This Agreement, effective the 1<sup>st</sup> day of [Date], is by and between James Madison University (the “University”), on behalf of the Virginia Higher Education Procurement Consortium (the “Consortium”) (collectively the "University"), and [VENDOR NAME], (“[Vendor]”).

**TERM**

The term of this Agreement is until [Date]. This end date coincides with the Primary Agreement’s end date.

**WITNESS**

WHEREAS, the University and [Vendor] have executed an agreement, UCPJMUXXXX, dated MONTH XX, 20XX (the “Primary Agreement”), and included in the Primary Agreement is a third party access / cooperative clause. Now therefore, the University and [Vendor] wish to express in this Agreement the specific terms that will allow third party access to the Primary Agreement.

Accordingly, and in consideration of the mutual premises and provisions hereof, the parties hereby agree as follows:

- I. [Vendor] will:
  - A. Pay the University 1% of all sales to accessing entities outside of the Consortium membership associated with the Primary Agreement (as the “PAC Annual Fee”). The PAC Annual Fee will be paid in exchange for marketing services provided by the University and the Consortium described below in Section II.;
  - B. Fully support this marketing relationship by promoting the availability of the Primary Agreement to non-Consortium entities;
  - C. Provide quarterly sales reports detailing the amount of sales to each non-Consortium accessing entity; and
- II. The University/Consortium will:
  - A. Promote the Primary Agreement on its website and through other channels (e.g., conferences) to non-Consortium members
  - B. Maintain an approved version of [Vendor]’s logo on the Consortium website
- III. Payment
  - A. Payment of PAC Annual Fee will arrive at the Consortium/University no later than MONTH XX of each year. The University and Consortium will share the payments equally and allocate payments to the appropriate accounts.

In the event of early termination of the Primary Agreement, this residual payment will arrive at the University no later than 45 calendar days from termination date of the Primary Agreement.

- B. Payment of PAC Annual Fee will take the form of a check. Checks will be made payable to the University of Virginia and sent to:

Constance Alexander, Office Manager  
Procurement and Supplier Diversity Services  
c/o VHEPC  
University of Virginia, Carruthers Hall  
PO Box 400202  
1001 N. Emmet Street  
Charlottesville, VA 22904

IV. Notices

Any notice required or permitted to be given under this Agreement will be in writing and will be deemed duly given: (1) if delivered personally, when received; (2) if sent by recognized overnight courier service, on the date of the receipt provided by such courier service; (3) if sent by registered mail, postage prepaid, return receipt requested, on the date shown on the signed receipt; or (4) if sent by electronic mail, when received (as verified by the email date and time) if delivered no later than 4:00 p.m. (receiver's time) on a business day or on the next business day if delivered (as verified by sender's machine) after 4:00 p.m. (receiver's time) on a business day or on a non-business day. All such notices will be addressed to a party at such party's address or facsimile number as shown below.

If to the University:

[Lead School Procurement Director]  
[Lead School Procurement Address & Contact Info]

If to [Vendor]:

[Vendor Contact]  
[Vendor]  
[Address]  
Email: [Vendor Email]  
Fax: [Fax]

**ACCEPTANCE**

**For [Lead Institution]**

**For [Vendor]**

\_\_\_\_\_  
[Lead Proc Director]  
[Lead Job Title]

\_\_\_\_\_  
[Vendor Contact]  
[Vendor Contact Title]

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

Agreement #: [Contract-Number]-PAC

November 3, 2023

**ADDENDUM NO.: One**

**TO ALL OFFERORS:**

**REFERENCE:** Request for Proposal No: **RFP# KLM-1196**  
Dated: **October 18, 2023**  
Commodity: **Vehicle Conversion Services & Related Materials**  
RFP Closing On: **November 16, 2023 at 2:00 p.m. (Eastern)**

Please note the clarifications and/or changes made on this proposal program:

1. **Does the small business criteria and related scoring apply to Prime Contractors who utilize Sub-Contractors who are SWAM certified or only to Prime Contractors who are SWAM certified?**

**Answer:** There is a maximum of 10 points available for SWAM. Prime contractors who are SBSD SWaM certified will receive the full number of points. However, if a prime contractor utilized a subcontract who is SBSD SWaM certified they may receive partial points. (Vendors who plan to utilize a SWaM certified firm should complete the SWaM Plan on Attachment B.)

2. **Regarding Section IV, Statement of Needs, pg. 6, #1,2,3**

*"Contractor shall make available to any Public Body the following:*

1. *Propane for vehicle fueling*
2. *Conversion of user-owned vehicle for propane operation*
3. *Fueling infrastructure"*

**Will the successful Offeror be awarded based on their ability to exceptionally perform all 3 Needs collectively or are the Needs looked at individually, in regard to a successful Offeror? In other words, and because of VA Container Laws, an offeror that is awarded, #1 Propane for vehicle fueling must also be awarded #3, Fueling infrastructure and vice versa.**

**Answer:** Offerors are asked to perform on all three services or indicate detailed partnerships where vehicle fuel systems and refueling systems can integrate to maintain a lengthy government fleet duty cycle vehicle operational period.

3. **Regarding Section IV, Statement of Needs, pg. 6, #3 Fueling Infrastructure;**

**Can a minimum AutoGas Fueling Infrastructure Specifications be added? This is critical to the safe, successful, and optimum user experience.**

**Answer:** Refueling infrastructure minimum specifications in the United States have been published by the Propane Education and Research Council (PERC) and this detail is shared in response to this inquiry <https://propane.com/for-my-business/dispenser-specifications/> PERC was authorized in 1996 and established through an industry-wide referendum.

4. In the example below, the transportation cost is the freight from the Apex terminal to the local distribution facility or propane marketers location. Can this transportation cost be submitted by zone as this is a more accurate true freight cost? Can the Contractor fee be submitted by zone?

**Answer:** Yes. Transportation costs or fees can be submitted similar or different by zone.

Propane Price per Gallon	
Direct Cost, Apex	\$.86
Transportation	\$0.10
Contractor Fee	\$0.10
Total	\$1.06/gallon

5. The RFP mentions a desire for pricing of Renewable Propane AutoGas. Can a % blend of Renewable Propane and associated cost be submitted?

**Answer:** Yes.

6. Unlike Conventional Propane AutoGas, Renewable Propane AutoGas is based on postings at Mount Belvieu TX instead of the Terminal at Apex NC. May our price submission be based on the TX terminal in lieu of the NC Terminal?

**Answer:** Price for renewable portion of the blend can be based on terminal price of acquisition.

7. Will it be the decision of the Public Entity as to whether they wish to receive Renewable or Conventional Propane AutoGas?

**Answer:** Yes public entities will be permitted to purchase desired blends and at the time of the RFP there is no statewide statutory renewable blend requirement for government fleet operators.

8. Will you consider having two options for vehicle conversion warranty as follows:
- Vehicles with less than 5000 miles on the odometer at time of conversion- 5-year, 100,000-mile warranty (whichever comes first)
  - Vehicles with 5000 or more miles on odometer at time of conversion- 3-year, 36,000-mile warranty (whichever comes first)

**Answer:** Offerors may send warranty detail in options in detailed and understandable language. Options are allowable and the intention of this requirement is to receive vendor detail on warranty service serving up to the entire fleet vehicle operational life. Offers may also provide detail on what extended services may be necessary to maintain vehicle operation for ten years or 100,000 miles of service.

Signify receipt of this addendum by initialing "Addendum #1 \_\_\_\_\_" on the signature page of your proposal.

Sincerely,



Krista McDaniel  
Procurement Manager  
Phone: 540-568-3130