



West Virginia Purchasing Division

2019 Washington Street, East
Charleston, WV 25305
Telephone: 304-558-2306
General Fax: 304-558-6026
Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Solicitation Response(SR) Dept: 0313 ID: ESR02042600000004517 Ver.: 1 Function: New Phase: Final

Modified by batch, 02/05/2026

Header 5

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 1872109

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0313

Vendor ID: VS0000042984

SO Doc ID: DEP2600000021

Legal Name: RED VEST SUPPLY LLC

Published Date: 1/15/26

Alias/DBA:

Close Date: 2/5/26

Total Bid: \$127,866.84

Close Time: 13:30

Response Date: 02/04/2026

Status: Closed

Response Time: 14:45

Solicitation Description: Multi-Gas Dilution Calibrators w/Ozone Generators

Responded By User ID: Redvestsupply

Total of Header Attachments: 5

First Name: Michael

Total of All Attachments: 5

Last Name: Lackey

Email: govsales@redvestsupply.cc

Phone: 7403577375



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

**State of West Virginia
Solicitation Response**

Proc Folder: 1872109

Solicitation Description: Multi-Gas Dilution Calibrators w/Ozone Generators

Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2026-02-05 13:30	SR 0313 ESR02042600000004517	1

VENDOR

VS0000042984
RED VEST SUPPLY LLC

Solicitation Number: CRFQ 0313 DEP2600000021

Total Bid: 127866.8399999999965075403451 **Response Date:** 2026-02-04 **Response Time:** 14:45:43

Comments:

FOR INFORMATION CONTACT THE BUYER

Joseph (Josh) E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor
Signature X

FEIN#

DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Multi-Gas Dilution Calibrators w/Ozone Generators	6.00000	EA	21083.240000	126499.44

Comm Code	Manufacturer	Specification	Model #
49241708			

Commodity Line Comments: ENVIRONICS Series 6103 Ozone Transfer Standard and MultiGas Calibrator This unit will dilute span gas, generate ozone and perform rapid gas titration of NO with O3 to produce NO2 and is configured as follows:
 One 20 SLPM dilution gas mass flow controller One 100 SCCM span gas mass flow controller One 10 SCCM mass flow controller One dilution gas port Four span gas inlet ports Teflon tubing Ozone Generation Module, reaction chamber and electronics for Ozone calibration and gas phase titration. RS232 Serial Data Interface (Terminal/Printer Computer/Modem) I/O control (8 inputs / 8 outputs) programmable through software. Photometer Portable configuration 23 Chassis Output Solenoid USBEthernet adapter YJETH232 2 YEAR WARRANTY ON PARTS & LABOR
 ** DOES NOT INCLUDE YEARLY CALIBRATION **
 Lead time is up to 15 weeks from the manufacturer

Extended Description:

Multi-Gas Dilution Calibrators w/Ozone Generators

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Shipping charges	1.00000	EA	1367.400000	1367.40

Comm Code	Manufacturer	Specification	Model #
78121603			

Commodity Line Comments:

Extended Description:

Shipping charges



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
02/04/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERs NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Coverdash 286 5th Ave New York	NY 10001	CONTACT NAME: Coverdash Agents	
		PHONE (A/C, No, Ext):	FAX (A/C, No):
		E-MAIL ADDRESS: agents@coverdash.com	
INSURER(S) AFFORDING COVERAGE		NAIC #	
INSURER A : THE STANDARD FIRE INSURANCE COMPANY		19070	
INSURER B :			
INSURER C :			
INSURER D :			
INSURER E :			
INSURER F :			

COVERAGEs

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR			BIP-2Y472318- 25-42	04/08/2025	04/08/2026	EACH OCCURRENCE	\$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS					MED EXP (Any one person)	\$ 5,000	
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE					PERSONAL & ADV INJURY	\$ 2,000,000	
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N	N / A			GENERAL AGGREGATE	\$ 4,000,000	
	DED <input type="checkbox"/> RETENTION \$						PRODUCTS - COMP/OP AGG	\$ 4,000,000
							\$	
						COMBINED SINGLE LIMIT (Ea accident)	\$	
						BODILY INJURY (Per person)	\$	
						BODILY INJURY (Per accident)	\$	
						PROPERTY DAMAGE (Per accident)	\$	
							\$	
						EACH OCCURRENCE	\$	
						AGGREGATE	\$	
							\$	
						PER STATUTE	<input type="checkbox"/> OTH- ER	
						E.L. EACH ACCIDENT	\$	
						E.L. DISEASE - EA EMPLOYEE	\$	
						E.L. DISEASE - POLICY LIMIT	\$	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

This certificate was generated automatically by the insured through the Coverdash self service portal.

CERTIFICATE HOLDER

Intentionally left blank

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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AGENCY CUSTOMER ID: _____
LOC #: _____

ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY Coverdash		
POLICY NUMBER		
CARRIER	NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote
Miscellaneous

Proc Folder: 1872109	Reason for Modification:		
Doc Description: Multi-Gas Dilution Calibrators w/Ozone Generators			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2026-01-15	2026-02-05 13:30	CRFQ 0313 DEP2600000021	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: VS0000042984

Vendor Name : Red Vest Supply, LLC

Address : 1656

Street : Lynnbrook Ct.

City : Orient

State : Ohio

Country : USA

Zip : 43146

Principal Contact : Michael Lackey

Vendor Contact Phone: 888-926-6570

Extension: 0

FOR INFORMATION CONTACT THE BUYER

Joseph (Josh) E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor
Signature X *Michael Lackey*

FEIN# 81-4853413

DATE 2/4/2026

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

The West Virginia Purchasing Division is soliciting bids on behalf of The West Virginia Department of Environmental Protection, Division of Air Quality, to establish a contract for the one-time purchase of six (6) Computerized Multi-Gas Dilution Calibrators with ozone generators - Environics 6100 or equal per the attached specifications and terms and conditions.

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION DIVISION OF AIR QUALITY 601 57TH ST SE CHARLESTON US	ENVIRONMENTAL PROTECTION DIVISION OF AIR QUALITY 601 57TH ST SE CHARLESTON WV US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Multi-Gas Dilution Calibrators w/Ozone Generators	6.00000	EA	\$21,083.24	\$126,499.44

Comm Code	Manufacturer	Specification	Model #
49241708	Environics	Series 6103 Ozone Transfer Standard and Multi-Gas Calibrator	

Extended Description:

Multi-Gas Dilution Calibrators w/Ozone Generators

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION DIVISION OF AIR QUALITY 601 57TH ST SE CHARLESTON US	ENVIRONMENTAL PROTECTION DIVISION OF AIR QUALITY 601 57TH ST SE CHARLESTON WV US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Shipping charges	1.00000	EA	\$1367.40	\$1367.40

Comm Code	Manufacturer	Specification	Model #
78121603			

Extended Description:

Shipping charges

SCHEDULE OF EVENTS

Line	Event	Event Date
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INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain **mandatory** provisions identified by the use of the words "**must**," "**will**," and "**shall**." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PRE-BID MEETING: The item identified below shall apply to this Solicitation.

- A pre-bid meeting will not be held prior to bid opening
- A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the **mandatory** pre-bid meeting. Failure to attend the **mandatory** pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in but are charged with knowing all matters discussed at the pre-bid.

Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions **must be submitted on or before the date listed below and to the address listed below to be considered.** A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are non-binding.

Submitted emails should have the solicitation number in the subject line. Question

Submission Deadline: 01/22/2026 @ 4:00 PM ET

Submit Questions to: Josh Hager
2019 Washington Street, East Charleston, WV 25305
Fax: (304) 558-3970
Email: Joseph.E.HagerIII@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted on or before the date and time of the bid opening listed in section 7 below. Vendors can submit bids electronically through wvOASIS, in paper form delivered to the Purchasing Division at the address listed below either in person or by courier, or in facsimile form by faxing to the Purchasing Division at the number listed below. Notwithstanding the foregoing, the Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. The Purchasing Division will not accept bids or modification of bids via email.

Bids submitted in paper, facsimile, or via *wvOASIS* must contain a signature. Failure to submit a bid in any form without a signature will result in rejection of your bid.

A bid submitted in paper or facsimile form should contain the information listed below on the face of the submission envelope or fax cover sheet. Otherwise, the bid may be rejected by the Purchasing Division.

VENDOR NAME:

BUYER: Josh Hager

SOLICITATION NO.: CRFQ 0313 DEP2600000021

BID OPENING DATE: see section 7

BID OPENING TIME: see section 7

FAX NUMBER: 304-558-3970

Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason.

Bid Delivery Address and Fax Number:

Department of Administration, Purchasing Division 2019 Washington Street East
Charleston, WV 25305-0130
Fax: 304-558-3970

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by *wvOASIS* (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery or via delivery by mail).

Bid Opening Date and Time: 02/05/2026 @ 1:30 PM ET

Bid Opening Location:

Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgement Form. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATE MODEL OR BRAND: Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand **shall** clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items **may** be grounds for rejection of a Vendor's bid.

This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

11. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6.2, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

12. REGISTRATION: Prior to Contract award, the apparent successful Vendor **must** be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

13. UNIT PRICE: Unit prices **shall** prevail in cases of a discrepancy in the Vendor's bid.

14. PREFERENCE: Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at: www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

15A. RECIPROCAL PREFERENCE: The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request form to help facilitate the request can be found at: www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

15. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:

For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37 and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority- owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors.

16. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.7.

17. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

18. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1- 5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform or lacks the integrity and reliability to assure good-faith performance.”

19. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.6. and § 148-1-6.3.”

- 20. WITH THE BID REQUIREMENTS:** In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.7. This authority does not apply to instances where state law mandates receipt with the bid.
- 21. EMAIL NOTIFICATION OF AWARD:** The Purchasing Division will attempt to provide bidders with e-mail notification of contract award when a solicitation that the bidder participated in has been awarded. For notification purposes, bidders must provide the Purchasing Division with a valid email address in the bid response. Bidders may also monitor wvOASIS or the Purchasing Division's website to determine when a contract has been awarded.
- 22. EXCEPTIONS AND CLARIFICATIONS:** The Solicitation contains the specifications that **shall** form the basis of a contractual agreement. **Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid.** Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of an Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance by the State of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid, or on the Contract if the Contract is not the result of a bid solicitation, signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

Term Contract

Initial Contract Term: The Initial Contract Term will be for a period of _____ . The Initial Contract Term becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the Purchasing Division, Attorney General, and Encumbrance clerk (or another page identified as _____), and the Initial Contract Term ends on the effective end date also shown on the first page of this Contract.

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to _____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Alternate Renewal Term – This contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

Fixed Period Contract: This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

Fixed Period Contract with Renewals: This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that:

- the contract will continue for _____ years;
- the contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's Office (Attorney General approval is as to form only).

One-Time Purchase: The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

Construction/Project Oversight: This Contract becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the Purchasing Division, Attorney General, and Encumbrance clerk (or another page identified as _____), and continues until the project for which the vendor is providing oversight is complete.

Other: Contract Term specified in _____

4. AUTHORITY TO PROCEED: Vendor is authorized to begin performance of this contract on the date of encumbrance listed on the front page of the Award Document unless either the box for "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked in Section 3 above. If either "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked, Vendor must not begin work until it receives a separate notice to proceed from the State. The notice to proceed will then be incorporated into the Contract via change order to memorialize the official date that work commenced.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

Open End Contract: Quantities listed in this Solicitation/Award Document are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

Service: The scope of the service to be provided will be more clearly defined in the specifications included herewith.

Combined Service and Goods: The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

One-Time Purchase: This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

Construction: This Contract is for construction activity more fully defined in the specifications.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute of breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One-Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked in this section must be provided to the Purchasing Division by the Vendor as specified:

LICENSE(S) / CERTIFICATIONS / PERMITS: In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether that insurance requirement is listed in this section.

Vendor must maintain:

Commercial General Liability Insurance in at least an amount of: 1,000,000.00 per occurrence.

Automobile Liability Insurance in at least an amount of: _____ per occurrence.

Professional/Malpractice/Errors and Omission Insurance in at least an amount of: _____ per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

Commercial Crime and Third Party Fidelity Insurance in an amount of: _____ per occurrence.

Cyber Liability Insurance in an amount of: _____ per occurrence.

Builders Risk Insurance in an amount equal to 100% of the amount of the Contract.

Pollution Insurance in an amount of: _____ per occurrence.

Aircraft Liability in an amount of: _____ per occurrence.

9. WORKERS' COMPENSATION INSURANCE: Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. VENUE: All legal actions for damages brought by Vendor against the State shall be brought in the West Virginia Claims Commission. Other causes of action must be brought in the West Virginia court authorized by statute to exercise jurisdiction over it.

11. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

_____ for _____.

Liquidated Damages Contained in the Specifications.

Liquidated Damages Are Not Included in this Contract.

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

14. PAYMENT IN ARREARS: Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software maintenance, licenses, or subscriptions may be paid annually in advance.

15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia, included in the Contract, or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

20. TIME: Time is of the essence regarding all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code, or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in www.state.wv.us/admin/purchase/privacy.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR NON-CONFLICT: Neither Vendor nor its representatives are permitted to have any interest, nor shall they acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. NO DEBT CERTIFICATION: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State. By submitting a bid, or entering into a contract with the State, Vendor is affirming that (1) for construction contracts, the Vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, neither the Vendor nor any related party owe a debt as defined above, and neither the Vendor nor any related party are in employer default as defined in the statute cited above unless the debt or employer default is permitted under the statute.

38. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

39. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

- Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.
- Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.division@wv.gov.

40. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check. Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

41. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process.
- c. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
 - 1. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
 - 2. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

42. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a “substantial labor surplus area”, as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

43. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the Vendor must submit to the Agency a disclosure of interested parties prior to beginning work under this Contract. Additionally, the Vendor must submit a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-work interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

44. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

45. VOID CONTRACT CLAUSES: This Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

46. ISRAEL BOYCOTT: Bidder understands and agrees that, pursuant to W. Va. Code § 5A-3-63, it is prohibited from engaging in a boycott of Israel during the term of this contract.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Michael Lackey, Owner

(Address) 1656 Lynnbrook Ct. Orient OH 43146

(Phone Number) / (Fax Number) 888-926-6570

(email address) govsales@redvestsupply.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Red Vest Supply, LLC
(Company)

Michael Lackey
(Signature of Authorized Representative)

Michael Lackey, Owner
(Printed Name and Title of Authorized Representative) (Date)

888-926-6570

(Phone Number) (Fax Number)
govsales@redvestsupply.com

(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Red Vest Supply, LLC
Company

Michael Lackey
Authorized Signature

02/04/2026
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

REQUEST FOR QUOTATION
Computerized Multi-Gas Dilution Calibrators with Ozone Generators

SPECIFICATIONS

1. PURPOSE AND SCOPE: The West Virginia Purchasing Division is soliciting bids on behalf of The West Virginia Department of Environmental Protection, Division of Air Quality, to establish a contract for the one-time purchase of six (6) Computerized Multi-Gas Dilution Calibrators with ozone generators - Environics 6100 or equal.

2. DEFINITIONS: The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

2.1 “Contract Item” means Environics 6100 Computerized Multi-Gas Calibration System or equal as more fully described by these specifications.

2.2 “Pricing Page” means the pages, contained in wvOASIS or attached as Exhibit A, upon which Vendor should list its proposed price for the Contract Items.

2.3 “Solicitation” means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.4 “BINARY CODED DECIMAL” means a system for coding a number in which each digit of a decimal number is represented individually by its binary equivalent.

2.5 “°C” means degree Centigrade, a measurement of a unit of temperature.

2.6 “EPA” means the United States Environmental Protection Agency.

2.7 “Ethernet” means a system for connecting several computer systems to form a local area network.

2.8 “Hz” means hertz, a unit of measurement that equals the number of cycles per second.

2.9 “IEC” means the International Electrical Commission, a non-profit, non-governmental international standards organization that prepares and published International Standards for all electrical, electronic and related technologies – collectively known as “electrotechnology.”

2.10 “NIST” means the National Institute of Standards and Technology, a non-regulatory agency of the U.S. Department of Commerce, that promotes and maintains measurement standards. Its mission is “To promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.”

REQUEST FOR QUOTATION
Computerized Multi-Gas Dilution Calibrators with Ozone Generators

- 2.11** “**MFC**” means mass flow controller, a device used to measure and control the flow of gases according to a set flow rate, without being affected by use conditions or changes in gas pressure.
- 2.12** “**mm Hg**” means millimeters of mercury, a measurement of a unit of pressure.
- 2.13** “**Momentary closure**” means a unit capable of turning any electronics device to either an on or off state.
- 2.14** “**NIST**” means the National Institute of Standards and Technology a non-regulatory agency of the U.S. Department of Commerce that promotes and maintains measurement standards.
- 2.15** “**ppb**” means parts per billion, the number of units of mass of a contaminant per one billion units of total mass.
- 2.16** “**ppm**” means parts per million, the number of units of mass of a contaminant per one million units of total mass.
- 2.17** “**RS-232**” means the specification and standard describing a serial communication method between devices.
- 2.18** “**SLPM**” means standard liters per minute, a unit of volumetric flow rate of a gas at standard conditions for temperature and pressure.
- 2.19** “**Solenoid Valve**” means an electromechanically operated valve controlled by an electric current through a solenoid.
- 2.20** “**VAC**” means volts alternating current, an electric current which reverses direction.

3. GENERAL REQUIREMENTS:

- 3.1** **Mandatory Contract Item Requirements:** Contract Item must meet or exceed the mandatory requirements listed below.

3.1.1 Requirements specific to Computerized Multi-Gas Dilution Calibrators with ozone generators - Environics 6100 or equal.

- 3.1.1.1** Must be a portable configuration with a carry handle permanently attached to one side.

REQUEST FOR QUOTATION
Computerized Multi-Gas Dilution Calibrators with Ozone Generators

3.1.1.2 Must weigh a maximum of 30 lbs.

3.1.1.3 Must have maximum dimensions of 18" width, 8" height, and 16" depth.

3.1.1.3.1 Must have minimum dimensions of 17" width, 7" height, and 15" depth.

3.1.1.4 Must have mechanically attached rubber feet at its bottom's four corners.

3.1.1.5 Must have a smooth surfaced case on all but its back panel, excepting the power switch, screw heads, cooling vents, handle and feet.

3.1.1.6 All electrical power, signal and gas connections, which connect the calibrator to its ancillaries, must be mounted to the back panel.

3.1.1.7 There must be a minimum of one (1) Diluent Gas Inlet consisting of a 1/4" tube Swagelok® 316L Stainless Steel (SS) bulkhead fitting.

3.1.1.8 There must be a minimum of one (1) Cylinder Gas Inlet consisting of a 1/8" tube Swagelok® 316L SS bulkhead fitting.

3.1.1.9 There must be a minimum of one (1) Calibration Gas Outlet consisting of a 1/4" tube Swagelok® 316L SS bulkhead fitting.

3.1.1.10 Input / Output (I/O) contact closure connections must accept bare wire.

3.1.1.11 The back panel must be inset within the case to protect all connections mounted on it, such that they don't stand proud of the case's top, bottom and sides' back edges.

3.1.1.12 A detachable, three conductor IEC power cord must be used for mains Voltage connection.

3.1.1.13 Operating power must consist of a mains voltage range of a minimum of 100 to a maximum of 125 VAC, 50/60 Hz, and current consumption of a maximum of 4 Amps.

REQUEST FOR QUOTATION
Computerized Multi-Gas Dilution Calibrators with Ozone Generators

3.1.1.14 Operating temperature range must be a minimum 32° to a maximum 122° F (0° - 50° C).

3.1.1.15 There must be a minimum of one (1) dilution MFC with a full-scale of 20 liters per minute.

3.1.1.16 There must be a minimum of one (1) cylinder gas MFC with a full-scale of 100 cubic centimeters per minute.

3.1.1.17 There must be a minimum of one (1) cylinder gas MFC with a full-scale of 10 cubic centimeters per minute.

3.1.1.18 All MFCs must be calibrated to a National Institute of Standards and Technology (NIST) traceable primary flow standard, using a Reference Temperature of 25°C (77°F) and a Reference Pressure of 760 mm Hg (29.92 in. Hg).

3.1.1.19 The MFCs' calibration data must consist of a minimum of eleven (11) evenly spaced flow rates over the full dynamic range of each MFC.

3.1.1.20 Hard copy documentation of each calibrator's MFCs' NIST Traceable calibrations must be provided.

3.1.1.21 All calibration data must be stored in the calibrator's microprocessor's non-volatile memory and must be able to be updated by the user.

3.1.1.22 MFC calibration data must be used by the calibrator's microprocessor, employing linear interpolation between data points, to calculate and then generate flow rates.

3.1.1.23 MFC and calibration gas, accuracy and repeatability specifications, must be valid when MFCs are operated between a minimum of 10% and a maximum of 100% of full scale flow.

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3.1.1.24 The accuracy of flows generated by the calibrator's MFCs must be within a minimum of 1.0% of set point, and a maximum of 1.0% of the set point.

3.1.1.25 The flow repeatability of the calibrator's MFCs must be within a minimum of 0.05% of their respective full scale set point, and a maximum of 0.05% of their respective full scale set point.

3.1.1.26 The accuracy of the calibration gas outlet concentrations shall be within a minimum of 1.0% of set point, and a maximum of 1.0% of the set point.

3.1.1.27 All gas wetted surfaces must be one of the following materials: Teflon®, Viton®, Borosilicate Glass/Pyrex® and 316L Stainless Steel.

3.1.1.28 A Borosilicate Glass/Pyrex® mixing chamber, meeting EPA requirements, must be employed to mix the effluent of diluent and cylinder gas from the MFCs.

3.1.1.29 The calibrator must have an ozone generator which employs an Ultraviolet Lamp to create ozone from the zero air (diluent).

3.1.1.30 The ozone generator must employ ozone oven block temperature control, pressure compensation and an electronic photo-optical feedback circuit to create stable and precise ozone concentrations.

3.1.1.31 The ozone generator must be factory calibrated a minimum of 11 evenly spaced concentrations, spanning its full range of concentrations up to 200 ppm, using a current NIST traceable ozone standard reference photometer using the new ozone cross section (CCQM.O3.2019) 304.39 $\text{nm}^{-1} \text{cm}^{-1}$ absorption coefficient.

3.1.1.32 Hard copy documentation of the calibrator's ozone generator NIST Traceable calibration must be provided.

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3.1.1.33 All calibration data must be stored in the calibrator's microprocessor's non-volatile memory and must be able to be updated by the user.

3.1.1.34 Ozone generator calibration data must be used by the calibrator's microprocessor to calculate and then generate requested ozone concentrations.

3.1.1.35 The ozone generator must produce concentrations of ozone over a range of a minimum 20 ppb to a maximum 500 ppb at a Calibration Gas Output flow rate of 10 standard liters per minute.

3.1.1.36 The ozone generator must produce concentrations of ozone, relevant to the requested concentrations, with

3.1.1.36.1 an accuracy of minimum of 2.0% of the requested concentration, and a maximum of 2.0% of the requested concentration; or a minimum of within 3 ppb of the requested concentration and a maximum of within 3 ppb of the requested concentration, and

3.1.1.36.2 repeatability minimum of 2.0% of the requested concentration, and a maximum of 2.0% of the requested concentration; or a minimum of within 3 ppb of the requested concentration and a maximum of within 3 ppb of the requested concentration, and over a minimum of 30 days.

3.1.1.37 The ozone generator's performance must meet EPA's criteria as stated in the technical assistance guide titled "Transfer Standards For Calibration of Air Monitoring Analyzers for Ozone", January 2023, which can be found at this link:

https://www.epa.gov/system/files/documents/2023-11/o3_tad_508_20230906_final.pdf

3.1.1.38 The calibrator must have a minimum of one RS-232 Serial Data Interface for bi-directional communication and control of/by the calibrator.

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- 3.1.1.38.1** The calibrator must be able to be remotely accessed for programming, operating, and accessing data.
- 3.1.1.38.2** The calibrator must provide for Ethernet connectivity, for example at USB-ETH Adaptor (such as the YJETH-232 or equal) or via separate built-in RJ-45.
- 3.1.1.39.** The calibrator must be able to automatically produce requested calibration gas concentrations, and be programmable to perform automated zero, precision, span, and multi-point calibrations using Nitrogen Oxide, Sulfur Dioxide, Carbon Monoxide, Ozone and other gases of interest.
- 3.1.1.40** The Calibrator must have Contact Closure (CC) I/O controls (8 inputs / 8 outputs), which are software programmable.
- 3.1.1.41** The Input CCs must be programmable to run individual program steps with either a momentary closure (calibration step will run with initiating closure open until a different momentary closure stops it) or Active Closure (step will run only while initiating closure is closed, and stop when closure is open).
- 3.1.1.42** A minimum of the first four Input CCs must be programmable as Grouped Mode (Binary Coded Decimal) operation, which allows four CCs to initiate and stop (Active Closure) 15 individual calibration steps.
- 3.1.1.43** A minimum of one of the output CCs must be able to be programmed to provide +24 VDC when the diluent MFC is in use, this signal activates an ancillary zero air supply.
- 3.1.1.44** The calibrator must be able to have a minimum of 90 individual calibration steps programmed into its microprocessor and non-volatile memory.
- 3.1.1.45** The calibrator must have a solenoid valve on its calibration gas output, which closes when powered down or under microprocessor control.

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3.1.1.46 The calibrator must have a solenoid valve(s) on its cylinder gas input(s), which closes when powered down or under microprocessor control.

3.1.1.47 The calibrator's user interface must be located on the front panel and include an alpha numeric visual display and keys/keypad, which allows the user to program calibration steps, configure functions of the calibrator, enter gas cylinder pollutant names and concentrations, and enter calibration data for the MFCs and Ozone Generator.

3.1.1.47.1 User must be able to dynamically enter and control the challenge gas flow rate, while the unit is in use.

3.1.1.48 The visual display must have a minimum of 4 lines by 20 characters, and be able to be clearly read in both bright and dim lighting.

3.1.1.49 Some examples of the calibrator's microprocessor controlled programed capabilities and menus are listed below:

3.1.1.49.1 Concentration Mode: In response to software prompting, user selects gas port, span (cylinder) gas concentration, output gas flow (total) and output gas concentration.

3.1.1.49.2 Generate Ozone: Allows user to specify, then generate a precise concentration of ozone.

3.1.1.49.3 Flow Mode: Allows user to manually command a desired rate of flow for each mass flow controller, individually or together, and with or without ozone.

3.1.1.49.4 Display: Allows user to monitor flow rates for each mass flow controller separately. Also provides ozone oven block temperature during generate ozone.

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3.1.1.49.5 Maintain Ports: User enters the name of the span gas in the source cylinder, its concentration (ppm) and the port to which the cylinder is connected.

3.1.1.49.6 Gas Phase Titration: Uses concentration mode and generate ozone routines to lead user through GPT using “excess NO” method.

3.1.1.50 Each calibrator must have a minimum of a two-year warranty on parts and labor.

3.1.1.51 Each calibrator must come with a physical hard copy and electronic copy of both the user's manual and factory service manual.

3.1.1.52 Each calibrator must come with a hard copy factory verified Calibration Sheet for each of the three (3) MFCs; a factory verified ozone calibration against a current EPA NIST standard reference photometer using the new ozone cross section (CCQM.O3.2019) 304.39 arm-1 cm-1 absorption coefficient; and system ADC data (pressure transducer, ozone block temperature, ozone flows).

4. CONTRACT AWARD:

4.1 Contract Award: The Contract is intended to provide Agencies with a purchase price for the Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

4.2 Pricing Page: Vendor should complete the Pricing Page by using the pages, contained in wvOASIS. Vendor should complete the Pricing Page in full as failure to complete the Pricing Page in its entirety may result in Vendor's bid being disqualified.

Vendors who wish to respond to a Centralized Request for Quotation (CRFQ) online may submit information through the State's wvOASIS Vendor Self Service (VSS) website. If unable to respond online, Vendor must submit the Pricing Page with their submitted bid prior to the schedule bid opening date.

4.2.1 Any product brochures to support vendor's product should be submitted with vendor's bid response. Vendor should identify those sections where product meets required specifications. These brochures and any supporting documentation may be required before award of contract.

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- 4.2.2 Bids must include shipping and freight charges to 601 57th Street, SE, Charleston, WV 25304 on the Pricing Page. WVDEP will not pay more than in the accepted bid.



5 ORDERING AND PAYMENT:

5.1 Ordering: Vendor shall accept orders through wvOASIS, regular mail, facsimile, e-mail, or any other written form of communication. Vendor may, but is not required to, accept on-line orders through a secure internet ordering portal/website. If Vendor has the ability to accept on-line orders, it should include in its response a brief description of how Agencies may utilize the on-line ordering system. Vendor shall ensure that its on-line ordering system is properly secured prior to processing Agency orders on-line.

5.2 Payment: Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

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6. DELIVERY AND RETURN:

6.1 Delivery Time: Vendor shall deliver standard orders within 60 working days after orders are received. Vendor shall deliver emergency orders within 30 working day(s) after orders are received for monitors, and within 5 working days for supplies. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met.

6.2 Equipment shall be shipped Freight on Board/Free on Board (FOB) Destination. The seller shall be responsible for the cost of transporting merchandise to the WVDEP delivery address listed above and the WVDEP Division of Air Quality staff will take delivery of shipped goods once the goods arrive at the WVDEP location.

6.3 Late Delivery: WVDEP Division of Air Quality must be notified in writing if orders will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any Agency seeking to obtain items from a third party under this provision must first obtain approval of the Purchasing Division.

6.4 Delivery Payment/Risk of Loss: Standard order delivery shall be F.O.B. destination to the Agency's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery. The Agency will pay delivery charges on all emergency orders provided that Vendor invoices those delivery costs as a separate charge with the original freight bill attached to the invoice.

6.5 Return of Unacceptable Items: If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.

6.6 Return Due to Agency Error: Items ordered in error by the Agency will be returned for credit within 60 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

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7. VENDOR DEFAULT:

- 7.1** The following shall be considered a vendor default under this Contract.
- 7.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.
 - 7.1.2 Failure to comply with other specifications and requirements contained herein.
 - 7.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.
 - 7.1.4 Failure to remedy deficient performance upon request.

- 7.2** The following remedies shall be available to Agency upon default.

- 7.2.1 Immediate cancellation of the Contract.
- 7.2.2 Immediate cancellation of one or more release orders issued under this Contract.
- 7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

8.1 No Substitutions: Vendor shall supply only Contract Items submitted in response to the Solicitation unless a contract modification is approved in accordance with the provisions contained in this Contract.

8.2 Vendor Supply: Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.

8.3 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

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8.4 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Michael Lackey

Telephone Number: 888-926-6570

Fax Number: N/A

Email Address: govsales@redvestsupply.com

Quotation

RED VEST SUPPLY
1656 Lynnbrook Ct.
Orient, OH 43146
Phone (888) 926-6570



DATE 02/04/26
Quotation # CRFQ-0313-
DEP2600000021-1
Customer ID STWV

Quotation For:
STATE OF WEST
VIRGINIA

Quotation valid until: 03-04-2026

Comments or Special Instructions:

FULL SPEC SHEET AND WARRANTY
INFO ATTACHED

SALESPERSON	P.O. NUMBER	LEAD TIME	SHIP VIA	F.O.B. POINT	TERMS
Ashley Frazier		10 - 14 WEEKS			Net 30 Days

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
6	ENVIRONICS Series 6103 Ozone Transfer Standard and Multi-Gas Calibrator This unit will dilute span gas, generate ozone and perform rapid gas titration of NO with O3 to produce NO2 and is configured as follows: • One 20 SLPM dilution gas mass flow controller One 100 SCCM span gas mass flow controller One 10 SCCM mass flow controller One dilution gas port • Four span gas inlet ports • Teflon tubing • Ozone Generation Module, reaction chamber and electronics for Ozone calibration and gas phase titration. • RS-232 Serial Data Interface (Terminal/Printer Computer/Modem) • I/O control (8 inputs / 8 outputs) programmable through software. • Photometer • Portable configuration • 23" Chassis • Output Solenoid • USB-Ethernet adapter - YJETHI-232 2 YEAR WARRANTY ON PARTS & LABOR - ** DOES NOT INCLUDE YEARLY CALIBRATION **	\$ 21,083.24	\$ 126,499.44
1	SHIPPING CHARGES	\$ 1,367.40	\$ 1,367.40
	SUBTOTAL	\$ 127,866.84	
	TAX RATE	0.00%	
	SALES TAX	\$ 0.00	
	OTHER	-	
	TOTAL	\$ 127,866.84	

If you have any questions concerning this quotation, contact sales@redvestsupply.com

The Envirionics® Series 6103 Ozone Transfer Standard / Multi-Gas Calibrator automatically performs zero, precision, span and multi-point calibrations using NO, NO₂, SO₂, CO, O₃, hydrocarbons and other gases of interest. The 6103 meets or exceeds all U.S. Environmental Protection Agency and NCORE requirements.

The Series 6103 consists of a single chassis supporting up to 3 thermal mass flow controllers (MFCs), an ozone generation module, photometer, glass output manifold, mixing chamber, a reaction chamber for gas phase titration, and control electronics.



The internal photometer measures the actual amount of ozone generated, and corrects for errors, using closed-loop PID control. The photometer also allows an external source of ozone to be analyzed and displayed on the screen. The external ozone connector to a separate sample port, allowing for simultaneous gas blending while monitoring the external ozone source.

The internal ultra-violet (UV) based ozone generator is temperature controlled and includes a precision photo-optical feedback circuit to compensate for lamp aging effects providing stable ozone generation. The ozone generator is factory calibrated using a NIST traceable photometer standard.

The instrument may also be remotely operated using contact closures or the RS-232 serial data interface, both are standard in the Series 6103. LEADS compatibility allows seamless integration of Envirionics calibrators into your existing collection system. LEADS is a commercial system for collecting, integrating, and processing meteorological, air quality, and water quality data.

The S6103 comes standard with two mass flow controllers, but a third can be added to support a larger range of dilutions. The mass flow controllers are calibrated to a NIST (National Institute of Standards and Technology) traceable primary standard. The calibration data consists of a comparison of desired versus actual flow over the full dynamic range of the instrument with linear interpolation between points. Calibration data is stored in non-volatile memory and may be updated by the user with a suitable standard.

PRODUCT FEATURES AND BENEFITS

- User-friendly interactive software reduces training time and error.
- An automated, pressure decay leak test to determine if the system has any internal leaks.
- Automatic calculation of dilution and span gas flows based on commanded concentration eliminates the need for manual computation and allows rapid transition from point to point.
- Internally-stored calibration data improves accuracy by as much as a factor of ten. MFCs are factory calibrated at 11 points.
- Internally-stored ozone generator calibration data insures linear, repeatable ozone generation without photometer control. The ozone generator is factory calibrated at 3 points (up to 11 points are available).
- Ozone generator pressure compensation ensures repeatable and stable ozone generation at pressures other than the original calibration pressure.

SOFTWARE

- **Concentration mode:** In response to software prompting, user selects gas port, span (cylinder) gas concentration, output gas flow (total) and output gas concentration. Series 6103 automatically delivers concentrations at the total flow specified.
- **Generate Ozone:** Allows user to specify, then generate a precise concentration of ozone.
- **Photometer:** Allows an external source of ozone to be analyzed and displayed on the screen. Also allows user to control the ozone generator when PID control loop is enabled.
- **Gas Phase Titration:** Utilizes blend and generate ozone routines to lead user through GPT using "excess NO" method.
- **Flow Mode:** Allows user to manually command a desired rate of flow for each mass flow controller, individually or together, and with or without ozone.
- **Display:** Allows user to monitor flow rates for each mass flow controller separately. Also provides ozone oven, pressure and photometer diagnostic information.
- **Maintain Ports:** User enters the name of the span gas in the source cylinder, its concentration (ppm) and the port to which the cylinder is connected.

SPECIFICATIONS

Mass Flow Controller (as a percent of setpoint)*

Accuracy:	From 10 to 100% of Full Scale Flow
Concentration:	± 1.0%
Flow:	± 1.0%
Repeatability	± 0.05%

* Mass flow controllers are calibrated using a NIST traceable Primary Flow Standard, using a Reference Temperature of 25° C (77°F) and a Reference Pressure of 760mm Hg (29.92 in. Hg)

Warm up time: 30 minutes

Ozone Generator

Concentration Range: 0.02 - 0.5 ppm at 5 – 10 slpm
Optional Ranges: 0.05 - 1 ppm at 5 – 10 slpm
Other ranges available upon request

UV Photometer

Repeatability: ±1 ppb
Linearity: 0.3% F.S.O.
Noise: ±1 ppb
Precision: 1 ppb

Mechanical

Inlets

Balance: External 1/4" Swagelok™*
Span(s): External 1/4" Swagelok™*

Outlet

Three external 1/4" Swagelok™*
*(or compatible fitting)

Operating Pressures at inlets

Minimum:	15 psig (1.03 Bar)
Nominal:	25 psig (1.72 Bar)
Maximum:	30 psig (2.07 Bar)

Wetted Surfaces

Tubing:	Teflon™
Glass Chambers	Pyrex™
MFC's:	Stainless Steel
Seals:	Viton™

Operating temperatures

32° - 122° F (0° - 50° C)

Performance Temperature Range

59° - 95° F (15° - 35° C)

Weight

Standard: 27 lbs.

Dimensions (w x h x d)

Portable:	17" x 7" x 15"
Rack:	19" x 7" x 15"

Electrical

Standard: 100 VAC to 250 VAC, (50/60 Hz)
Current: 2 Amps (maximum)

Operating Modes

Front panel keypad
Internal timer control
RS-232 serial data interface
I/O control (8 inputs / 8 outputs) programmable
through software

Data I/O

RS-232 serial data interface
I/O Control (8 inputs / 8 outputs)

OPTIONS

- Rack Mount
- Permeation Oven
- 3rd Mass Flow Controller



Or [click here](#) to learn more

69 Industrial Park Road East, Tolland, CT 06084

(860) 872-1111 Fax: (860) 870-9333

<http://www.environics.com>

info@environics.com

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Michael Lackey
Owner
Red Vest Supply, LLC
1656 Lynnbrook Ct.
Orient, OH 43146
740-357-7375

2/4/2026

To Whom it May Concern:

This letter is to formally state that Red Vest Supply, LLC is not required to carry worker's compensation insurance at this time. Our company currently employs only one individual – the owner – and does not have any additional employees.

As such, we are exempt from the requirement to maintain worker's compensation coverage in accordance with the regulations set forth by the Ohio Bureau of Worker's Compensation (BWC).

Should our employee status change in the future, we will promptly obtain the necessary coverage to remain in compliance with Ohio's workers' compensation laws.

If you have any questions or need further clarification, don't hesitate to contact me.

Sincerely,

Michael Lackey
Owner
Red Vest Supply, LLC