



LEXINGTON

Bid 71-2023

Vogelpohl Fire Equipment Supplier Response

Event Information

Number: Bid 71-2023

Title: Fire Hose # 2

Type: Competitive Bid

Issue Date: 5/30/2023

Deadline: 6/13/2023 02:00 PM (ET)

Notes: ONLY ONLINE BIDS WILL BE ACCEPTED FOR THIS SOLICITATION. PRICING SHOULD BE SUBMITTED ON THE LINE ITEMS TAB ONLY. PRICING WITHIN SUBMITTALS WILL NOT BE ACCEPTED AND MAY MAKE YOUR BID NON-RESPONSIVE.

Contact Information

Contact: Jessica Allinder

Address: Central Purchasing
Government Center Building
200 East Main Street
Lexington, KY 40507

Fax: (859) 2583322

Email: jallinder@lexingtonky.gov

Vogelpohl Fire Equipment Information

Address: 2770 Circleport Dr.
Erlanger, KY 41018
Phone: (859) 282-1000
Fax: (859) 282-1550

ONLY ONLINE BIDS WILL BE ACCEPTED! By submitting your response, you certify that you are authorized to represent and bind your company and that you agree to all bid terms and conditions as stated in the attached bid/RFP/RFQ/Quote/Auction documents.

Todd Vogelpohl

Signature

Submitted at 6/12/2023 03:21:53 PM (ET)

toddv@vogelpohlfire.com

Email

Response Attachments

Lexington ITB #71-2023 Fire Hose #2 6-13-2023.pdf

Lexington Bid Documents

Key Combat-Ready-Spec-Sheet.pdf

Combat Ready Brochure

Key Combat Ready Specifications.pdf

Combat Ready Specs

Key Big-10 (FDNY)-Spec-Sheet.pdf

Big 10 FDNY Brochure

Key Big 10 FDNY Specifications.pdf

Big 10 FDNY Specifications

Key TRU-ID-Spec-Sheet.pdf

TRU-ID Brochure

Key TRU-ID Specifications.pdf

TRU ID Specifications

Key Hy-Flow-Spec-Sheet.pdf

HY-Flow Brochure

Key 5 Hy-Flow Specifications.pdf

HY-Flow Specifications

Key Hose Lexington Warranty Letter 6-7-23.pdf

Warranty Letter

Letter from Key Hose per Specs 6-5-23.pdf

Letter From Key Per Lexington Specifications

Exceptions & Clarifications to Lexington Hose Bid 6-7-23.pdf

Exceptions & Clarifications

VFE Detailed Key Proposal 6-12-2023.pdf

VFE Detailed Key Proposal 6-12-2023

Bid Attributes

1 Bid package
Have you completed and attached your bid package? This is a contractual agreement and required for all bids.
<input checked="" type="checkbox"/> YES

Bid Lines

1	Double jacket combat ready 1 3/4" attack hose 50'	Quantity: <u> 1 </u> UOM: <u> EA </u>	Price: <input type="text" value="\$269.00"/>	Total: <input type="text" value="\$269.00"/>
2	Double jacket combat ready 1 3/4" hose 100'	Quantity: <u> 1 </u> UOM: <u> EA </u>	Price: <input type="text" value="\$377.00"/>	Total: <input type="text" value="\$377.00"/>
	Supplier Notes: <input type="text" value="Combat Ready is not available in 100' lengths. The price supplied for this line items is for a 75' length"/>			
3	Double jacket 1 3/4" FDNY attack hose 50'	Quantity: <u> 1 </u> UOM: <u> EA </u>	Price: <input type="text" value="\$175.50"/>	Total: <input type="text" value="\$175.50"/>
4	Double jacket 1 3/4" FDNY attack hose 100'	Quantity: <u> 1 </u> UOM: <u> EA </u>	Price: <input type="text" value="\$295.00"/>	Total: <input type="text" value="\$295.00"/>
5	Double jacket combat ready 2 1/2" attack hose 50'	Quantity: <u> 1 </u> UOM: <u> EA </u>	Price: <input type="text" value="\$342.00"/>	Total: <input type="text" value="\$342.00"/>
6	Tru-ID double jacket 2 1/2" attack hose 50'	Quantity: <u> 1 </u> UOM: <u> EA </u>	Price: <input type="text" value="\$225.00"/>	Total: <input type="text" value="\$225.00"/>
7	Double jacket Hy-Flow 5" attack hose 100'	Quantity: <u> 1 </u> UOM: <u> EA </u>	Price: <input type="text" value="\$882.00"/>	Total: <input type="text" value="\$882.00"/>

Response Total: \$2,565.50



LEXINGTON

Lexington-Fayette Urban County Government

Lexington, Kentucky
Horse Capital of the World

Division of Central Purchasing

Date of Issue: May 30, 2023

INVITATION TO BID # 71-2023 Fire Hose #2

Bid Opening Date: June 13, 2023

Bid Opening Time: 2:00 PM

Address: All bids must be submitted on line at <https://lexingtonky.ionwave.net/>

Type of Bid: Price Contract

Pre Bid Meeting: N/A

Pre Bid Time: N/A

Address: N/A

Sealed bids will ONLY be received online at <https://lexingtonky.ionwave.net/> until **2:00 PM**, prevailing local time on **06/13/2023**. Bids must be submitted/uploaded by the above-mentioned date and time.

Bids are to include all shipping, handling and associated fees to the point of delivery (unless otherwise specified in the bid documents below) located at: Lexington, KY

22-24 weeks

<p>Check One: <input type="checkbox"/> Bid Specifications Met <input checked="" type="checkbox"/> Exceptions to Bid Specifications. <i>Exceptions shall be itemized and attached to bid proposal submitted.</i></p>		<p>Proposed Delivery: <i>22-24 weeks</i> days after acceptance of bid.</p>
<p>Procurement Card Usage—The Lexington-Fayette Urban County Government may be using Procurement Cards to purchase goods and services and also to make payments. Will you accept Procurement Cards? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>		

To expedite award, the forms in this document should be completed and uploaded with your bid.

Submitted by: Vogelpohl Fire Equipment, Inc.

Firm Name

2770 Circleport Dr

Address

Erlanger, KY 41018

City, State & Zip

Bid must be signed:

Todd Vogelpohl, President
Signature of Authorized Company Representative – Title

Todd Vogelpohl

Representative's Name (Typed or printed)

859-282-1000

Area Code - Phone - Extension

859-282-1550

Fax #

Toddv@VogelpohlFire.com


E-Mail Address

The Affidavit in this bid must be completed before your firm can be considered for award of this contract.

AFFIDAVIT

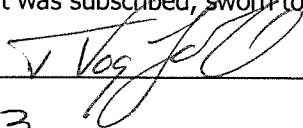
Comes the Affiant, Todd Vogelwohl, and after being first duly sworn under penalty of perjury as follows:

1. His/her name is Todd Vogelwohl and he/she is the individual submitting the bid or is the authorized representative of Vogelwohl Fire Equipment, Inc. the entity submitting the bid (hereinafter referred to as "Bidder")
2. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
3. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.
4. Bidder has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.
6. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."
7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

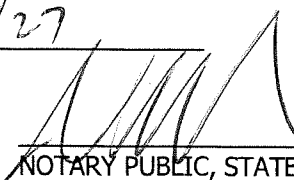
Further, Affiant sayeth naught. 

STATE OF KY

COUNTY OF Boone

The foregoing instrument was subscribed, sworn to and acknowledged before me by Todd Vogelwohl  on this the 5th day of June, 2023

My Commission expires: 1/24/27


NOTARY PUBLIC, STATE AT LARGE

DAVID MCCLANAHAN
Notary Public
Commonwealth of Kentucky
Commission Number KYNP61367
My Commission Expires Jan 24, 2027

Please refer to Section II. Bid Conditions, Item "U" prior to completing this form.

I. GREEN PROCUREMENT

A. ENERGY

The Lexington-Fayette Urban County Government is committed to protecting our environment and being fiscally responsible to our citizens.

The Lexington-Fayette Urban County Government mandates the use of Energy Star compliant products if they are available in the marketplace (go to www.Energystar.gov). If these products are available, but not submitted in your pricing, your bid will be rejected as non-compliant.

ENERGY STAR is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

Key Benefits

- These products use 25 to 50% less energy
- Reduced energy costs without compromising quality or performance
- Reduced air pollution because fewer fossil fuels are burned
- Significant return on investment
- Extended product life and decreased maintenance

B. GREEN SEAL CERTIFIED PRODUCTS

The Lexington-Fayette Urban County Government is also committed to using other environmentally friendly products that do not negatively impact our environment. Green Seal is a non-profit organization devoted to environmental standard setting, product certification, and public education.

Go to www.Greenseal.org to find available certified products. These products will have a reduced impact on the environment and on human health. The products to be used must be pre-approved by the LFUCG prior to commencement of any work in any LFUCG facility. If a Green Seal product is not available, the LFUCG must provide a signed waiver to use an alternate product. Please provide information on the Green Seal products being used with your bid response.

C. GREEN COMMUNITY

The Lexington-Fayette Urban County Government (LFUCG) serves as a principal, along with the University of Kentucky and Fayette County Public Schools, in the Bluegrass Partnership for a Green Community. The Purchasing Team component of the Partnership collaborates on economy of scale purchasing that promotes and enhances environmental initiatives. Specifically, when applicable, each principal is interested in obtaining best value products and/or services which promote environment initiatives via solicitations and awards from the other principals.

If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other principals of the Bluegrass Partnership for a Green Community (i.e. University of Kentucky and Fayette County Schools) if requested?

Yes No

D. COOPERATIVE CONTRACT

If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other government entities if requested?

Yes No

II. Bid Conditions

- A. No bid may be withdrawn for a period of sixty (60) days after the date and time set for opening.
- B. No bid may be altered after the date and time set for opening. In the case of obvious errors, the Division of Central Purchasing may permit the withdrawal of a bid. The decision as to whether a bid may be withdrawn shall be that of the Division of Central Purchasing.
- C. Acceptance of this proposal shall be enactment of an Ordinance by the Urban County Council.
- D. The bidder agrees that the Urban County Government reserves the right to reject any and all bids for either fiscal or technical reasons, and to award each part of the bid separately, all parts to one vendor or all parts to multiple vendors.
- E. Minor exceptions may not eliminate the bidder. The decision as to whether any exception is minor shall be entirely that of the head of the requisitioning Department or Division and the Director of the Division of Central Purchasing. The Urban County Government may waive technicalities and informalities where such waiver would best serve the interests of the Urban County Government.
- F. Manufacturer's catalogue numbers, trade names, etc., where shown herein are for descriptive purposes and are to guide the bidder in interpreting the standard of quality, design, and performance desired, and shall not be construed to exclude proposals based on furnishing other types of materials and/or services. However, any substitution or departure proposed by the bidder must be clearly noted and described; otherwise, it will be assumed that the bidder intends to supply items specifically mentioned in this Invitation for Bids.
- G. The Urban County Government may require demonstrations of the materials proposed herein prior to acceptance of this proposal.
- H. Bids must be submitted on this form and must be signed by the bidder or his authorized representative. Unsigned bids will not be considered.
- I. Bids must be submitted prior to the date and time indicated for opening. Bids submitted after this time will not be considered.
- J. All bids mailed must be submitted in the Ion Wave online portal at <https://lexingtonky.ionwave.net/>
- K. Bidder is requested to show both unit prices and lot prices. In the event of error, the unit price shall prevail.
- L. A certified check or Bid Bond in the amount of XX percent of the bid price must be attached hereto. This check must be made payable to the Lexington-Fayette Urban County Government, and will be returned when the material and/or services specified herein have been delivered in accordance with specifications. In the event of failure to perform within the time period set forth in this bid, it is agreed the certified check may be cashed and the funds retained by the Lexington-Fayette Urban County Government as liquidated damages. Checks of unsuccessful bidders will be returned when the bid has been awarded.
- M. The delivery dates specified by bidder may be a factor in the determination of the successful bidder.
- N. Tabulations of bids received may be mailed to bidders. Bidders requesting tabulations must enclose a stamped, self-addressed envelope with the bid.
- O. The Lexington-Fayette Urban County Government is exempt from Kentucky Sales Tax and Federal Excise Tax on materials purchased from this bid invitation. Materials purchased by the bidder for construction projects are not tax exempt and are the sole responsibility of the bidder.
- P. All material furnished hereunder must be in full compliance with OSHA regulations.
- Q. If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected.
- R. Signature on the face of this bid by the Bidder or his authorized representative shall be construed as acceptance of and compliance with all terms and conditions contained herein.

- S. The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, religion, sex (including pregnancy, sexual orientation or gender identity), national origin, disability, age, genetic information, political affiliation, or veteran status, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.
- T. The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin;*
- (2) The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age or national origin;*
- (3) The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provisions of the non-discrimination clauses required by this section; and*
- (4) The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses.*

The Act further provides:

KRS 45.610. Hiring minorities - Information required

- (1) For the length of the contract, each contractor shall hire minorities from other sources within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetable.*
- (2) Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.*

KRS 45.620. Action against contractor - Hiring of minority contractor or subcontractor

- (1) If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.*
- (2) If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may declare such a contractor ineligible to bid on further contracts with that agency until such time as the contractor complies in full with the requirements of KRS 45.560 to 45.640.*
- (3) The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.*

KRS 45.630 Termination of existing employee not required, when

Any provision of KRS 45.560 to 45.640 notwithstanding, no contractor shall be required to terminate an existing employee upon proof that that employee was employed prior to the date of the contract.

KRS 45.640 Minimum skills

Nothing in KRS 45.560 to 45.640 shall require a contractor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.

It is recommended that all of the provisions above quoted to be included as special conditions in each contract. In the case of a contract exceeding \$250,000, the contractor is required to furnish evidence that his work-force in Kentucky is representative of the available work-force in the area from which he draws employees, or to supply an Affirmative Action plan which will achieve such representation during the life of the contract.

- U. Any party, firm or individual submitting a proposal pursuant to this invitation must be in compliance with the requirements of the Lexington-Fayette Urban County Government regarding taxes and fees before they can be considered for award of this invitation and must maintain a "current" status with regard to those taxes and fees throughout the term of the contract. The contractor must be in compliance with Chapter 13 from the Code of Ordinances of the Lexington-Fayette Urban County Government. The contractor must be in compliance with Ordinance 35-2000 pursuant to contractor registration with the Division of Building Inspection. If applicable, said business must have a Fayette County business license.

Pursuant to KRS 45A.343 and KRS 45A.345, the contractor shall

- (1) *Reveal any final determination of a violation by the contractor within the previous five year period pursuant to KRS Chapters 136 (corporation and utility taxes), 139 (sales and use taxes), 141 (income taxes), 337 (wages and hours), 338 (occupational safety and health of employees), 341 (unemployment and compensation) and 342 (labor and human rights) that apply to the contractor; and*
- (2) *Be in continuous compliance with the above-mentioned KRS provisions that apply to the contractor for the duration of the contract.*

A contractor's failure to reveal the above or to comply with such provisions for the duration of the contract shall be grounds for cancellation of the contract and disqualification of the contractor from eligibility for future contracts for a period of two (2) years.

- V. Vendors who respond to this invitation have the right to file a notice of contention associated with the bid process or to file a notice of appeal of the recommendation made by the Director of Central Purchasing resulting from this invitation.

Notice of contention with the bid process must be filed within 3 business days of the bid/proposal opening by (1) sending a written notice, including sufficient documentation to support contention, to the Director of the Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his/her contention with the bid process. After consulting with the Commissioner of Finance the Chief Administrative Officer and reviewing the documentation and/or hearing the vendor, the Director of Central Purchasing shall promptly respond in writing findings as to the compliance with bid processes. If, based on this review, a bid process irregularity is deemed to have occurred the Director of Central Purchasing will consult with the Commissioner of Finance, the Chief Administrative Officer and the Department of Law as to the appropriate remedy.

Notice of appeal of a bid recommendation must be filed within 3 business days of the bid recommendation by (1) sending a written notice, including sufficient documentation to support appeal, to the Director, Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his appeal. After reviewing the documentation and/or hearing the vendor and consulting with the Commissioner of Finance and the Chief Administrative Officer, the Director of Central Purchasing shall in writing, affirm or withdraw the recommendation.

III. Procurement Contract Bid Conditions

- A. The terms of this agreement shall be for **1** year(s) from the date of acceptance of this contract by the Lexington-Fayette Urban County Government. This agreement may be automatically extended for an additional **1** year(s) renewal. This contract may be canceled by either party thirty (30) days after delivery by canceling party of written notice of intent to cancel to the other contracting party.

- B. Price Changes **(Space Checked Applies)**
 - 1. Prices quoted in response to the Invitation shall be firm prices for the first 365 days of the Procurement Contract. After 365 days, prices may be subject to revision and such changes shall be based on general industry changes. Revision may be either increases or decreases and may be requested by either party. There will be no more than one (1) price adjustment per year. Requests for price changes shall be received in writing at least twenty (20) days prior to the effective date and are subject to written acceptance before becoming effective. Proof of the validity of a request for revision shall be responsibility of the requesting party. The Lexington-Fayette Urban County Government shall receive the benefit of any decline that the seller shall offer his other accounts.

 - 2. No provision for price change is made herein. Prices are to be firm for the term of this contract.

 - 3. See bid specifications.

- C. If any contract item is not available from the vendor, the Lexington-Fayette Urban County Government, at its option, may permit the item to be back-ordered or may procure the item on the open market.

- D. All invoices must bear reference to the Lexington-Fayette Urban County Government Purchasing document numbers which are being billed.

- E. This contract may be canceled by the Lexington-Fayette Urban County Government if it is determined that the Bidder has failed to perform under the terms of this agreement, such cancellation to be effective upon receipt of written notice of cancellation by the Bidder.

- F. No substitutions for articles specified herein may be made without prior approval of the Division of Central Purchasing.

EQUAL OPPORTUNITY AGREEMENT

Standard Title VI Assurance

The Lexington Fayette-Urban County Government, (hereinafter referred to as the "Recipient") hereby agrees that as a condition to receiving any Federal financial assistance from the U.S. Department of Transportation, it will comply with Title VI of the Civil Rights Act of 1964, 78Stat.252, 42 U.S.C. 2000d-4 (hereinafter referred to as the "Act"), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, (49 CFR, Part 21) Nondiscrimination in Federally Assisted Program of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the "Regulations") and other pertinent directives, no person in the United States shall, on the grounds of race, color, national origin, sex, age (over 40), religion, sexual orientation, gender identity, veteran status, or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Recipient receives Federal financial assistance from the U.S. Department of Transportation, including the Federal Highway Administration, and hereby gives assurance that will promptly take any necessary measures to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the Regulations.

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states: *The Contractor will not discriminate against any employee or applicant for employment because of physical or mental disability.*
- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states: *The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.*


The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

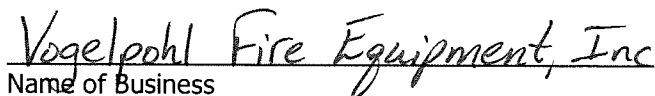
Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, veteran status, disability and age.

Signature



Name of Business



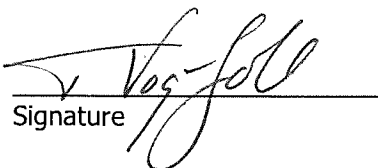
GENERAL PROVISIONS OF BID CONTRACT

By signing the below, bidder acknowledges that it understands and agrees with the following provisions related to its bid response and the provision of any goods or services to LFUCG upon selection by LFUCG pursuant to the bid request:

1. Bidder shall comply with all Federal, State & Local regulations concerning this type of service or good. All applicable state laws, ordinances and resolutions (including but not limited to Section 2-33 (Discrimination due to sexual orientation or gender identity) and Chapter 13 (Licenses and Regulations) of the Lexington-Fayette Urban County Government Code of Ordinances, and Resolution No. 484-17 (Minority, Women, and Veteran-Owned Businesses)) and the regulations of all authorities having jurisdiction over the project shall apply to the contract, and shall be deemed to be incorporated herein by reference.
2. Failure to submit ALL forms and information required by LFUCG may be grounds for disqualification.
3. Addenda: All addenda and IonWave Q&A, if any, must be considered by the bidder in making its response, and such addenda shall be made a part of the requirements of the bid contract. Before submitting a bid response, it is incumbent upon bidder to be informed as to whether any addenda have been issued, and the failure of the bidder to cover any such addenda may result in disqualification of that response.
4. Bid Reservations: LFUCG reserves the right to reject any or all bid responses, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
5. Liability: LFUCG is not responsible for any cost incurred by bidder in the preparation of its response.
6. Changes/Alterations: Bidder may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the bid response, and received by LFUCG prior to the scheduled closing time for receipt of bids, will be accepted. The bid response when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of bid response".
7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from any bidder.
8. Bribery Clause: By his/her signature on its response, bidder certifies that no employee of his/hers, any affiliate or subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.
9. Additional Information: While not necessary, the bidder may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the bid response. Additional documentation shall not serve as a substitute for other documentation which is required by the LFUCG to be submitted with the bid response.
10. Ambiguity, Conflict or other Errors: If a bidder discovers any ambiguity, conflict, discrepancy, omission or other error in the bid request of LFUCG, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
11. Agreement to Bid Terms: In submitting its bid response, the bidder agrees that it has carefully examined the specifications and all provisions relating to LFUCG's bid request, including but not limited to the bid contract. By submission of its bid response, bidder states that it understands the meaning, intent and requirements of LFUCG's bid request and agrees to the same. The successful bidder shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to bidder shall be authorized for services, expenses, or goods reasonably covered under these provisions that the bidder omits from its bid response.
12. Cancellation: LFUCG may unilaterally terminate the bid contract with the selected bidder(s) at any time, with or without cause, by providing at least thirty (30) days advance written notice unless a different advance written notice

period is negotiated prior to contract approval. Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.

13. Assignment of Contract: The selected bidder(s) shall not assign or subcontract any portion of the bid contract with LFUCG without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
14. No Waiver: No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this bid proposal or bid contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.
15. Authority to do Business: Each bidder must be authorized to do business under the laws of the Commonwealth of Kentucky and must be in good standing and have full legal capacity to provide the goods or services specified in the bid proposal. Each bidder must have all necessary right and lawful authority to submit the bid response and enter into the bid contract for the full term hereof including any necessary corporate or other action authorizing the bidder to submit the bid response and enter into this bid contract. If requested, the bidder will provide LFUCG with a copy of a corporate resolution authorizing this action and/or a letter from an attorney confirming that the proposer is authorized to do business in the Commonwealth of Kentucky. All bid responses must be signed by a duly authorized officer, agent or employee of the bidder.
16. Governing Law: This bid request and bid contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this matter, the bidder agrees that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division and that the bidder expressly consents to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to these matters or any rights or obligations arising thereunder.
17. Ability to Meet Obligations: Bidder affirmatively states that there are no actions, suits or proceedings of any kind pending against bidder or, to the knowledge of the bidder, threatened against the bidder before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of bidder to perform its obligations under this bid response or bid contract, or which question the legality, validity or enforceability hereof or thereof.
18. Price Discrepancy: When applicable, in case of price discrepancy, unit bid price written in words will prevail followed by unit price written in numbers then total amount bid per line item.
19. Bidder understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Bidder is an independent contractor at all times related to the bid response or bid contract.
20. Contractor [or Vendor or Vendor's Employees] will not appropriate or make use of the Lexington-Fayette Urban County Government (LFUCG) name or any of its trade or service marks or property (including but not limited to any logo or seal), in any promotion, endorsement, advertisement, testimonial or similar use without the prior written consent of the government. If such consent is granted LFUCG reserves the unilateral right, in its sole discretion, to immediately terminate and revoke such use for any reason whatsoever. Contractor agrees that it shall cease and desist from any unauthorized use immediately upon being notified by LFUCG.
21. If any term or provision of this bid contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.


Signature

06/02/2023
Date

WORKFORCE ANALYSIS FORM

Name of Organization: Vogelpohl Fire Equipment, Inc.

Categories	Total	White (Not Hispanic or Latino)		Hispanic or Latino		Black or African-American (Not Hispanic or Latino)		Native Hawaiian and Other Pacific Islander (Not Hispanic or Latino)		Asian (Not Hispanic or Latino)		American Indian or Alaskan Native (not Hispanic or Latino)		Two or more races (Not Hispanic or Latino)		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Administrators		3														3	
Professionals		8														8	
Superintendents																	
Supervisors																	
Foremen		1														1	
Technicians	(IV)	87														(IV) 87	
Protective Service																	
Para-Professionals																	
Office/Clerical		3	2													3	2
Skilled Craft																	
Service/Maintenance																	
Total:		22	2													22	2

Prepared by: V. Vogelpohl, President
(Name and Title)

Date: 06/02/2023

Revised 2015-Dec-15

**DIRECTOR, DIVISION OF CENTRAL PURCHASING
LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
200 EAST MAIN STREET
LEXINGTON, KENTUCKY 40507**

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE
EQUAL EMPLOYMENT OPPORTUNITIES AND DBE CONTRACT PARTICIPATION**

The Lexington-Fayette Urban County Government has set a goal that not less than ten percent (10%) of the total value of this contract be subcontracted to MBE/WBE's, and set a goal that not less than three percent (3%) of the total value of this contract be subcontracted to Veteran-Owned Small Businesses. The goal for the utilization of Certified MBE/WBE's and Veteran-Owned Small Businesses as subcontractors are recommended goals. Contractors who fail to meet such goals will be expected to provide written explanations to the Director of the Division of Central Purchasing of efforts they have made to accomplish the recommended goals and the extent to which they are successful in accomplishing the recommended goals will be a consideration in the procurement process.

For assistance in locating MBE/WBE Subcontractors contact Sherita Miller at 859/258-3320 or by writing the address listed below:

Sherita Miller, Division of Central Purchasing
Lexington-Fayette Urban County Government
200 East Main Street
Lexington, Kentucky 40507
smiller@lexingtonky.gov

Lexington-Fayette Urban County Government MWDBE PARTICIPATION GOALS

A. GENERAL

- 1) The LFUCG request all potential contractors to make a concerted effort to include Minority-Owned (MBE), Woman-Owned (WBE), Disadvantaged (DBE) Business Enterprises and Veteran-Owned Small Businesses (VOSB) as subcontractors or suppliers in their bids.
- 2) Toward that end, the LFUCG has established 10% of total procurement costs as a Goal for participation of Minority-Owned, Woman-Owned and Disadvantaged Businesses on this contract.
- 3) **It is therefore a request of each Bidder to include in its bid, the same goal (10%) for MWDBE participation and other requirements as outlined in this section.**
- 4) The LFUCG has also established a 3% of total procurement costs as a Goal for participation for of Veteran-Owned Businesses.
- 5) **It is therefore a request of each Bidder to include in its bid, the same goal (3%) for Veteran-Owned participation and other requirements as outlined in this section.**

B. PROCEDURES

- 1) The successful bidder will be required to report to the LFUCG, the dollar amounts of all payments submitted to Minority-Owned, Woman-Owned or Veteran-Owned subcontractors and suppliers for work done or materials purchased for this contract. (See Subcontractor Monthly Payment Report)
- 2) Replacement of a Minority-Owned, Woman-Owned or Veteran-Owned subcontractor or supplier listed in the original submittal must be requested in writing and must be accompanied by documentation of Good Faith Efforts to replace the subcontractor / supplier with another MWDBE Firm; this is subject to approval by the LFUCG. (See LFUCG MWDBE Substitution Form)
- 3) For assistance in identifying qualified, certified businesses to solicit for potential contracting opportunities, bidders may contact:
 - a) The Lexington-Fayette Urban County Government, Division of Central Purchasing (859-258-3320)
- 4) The LFUCG will make every effort to notify interested MWDBE and Veteran-Owned subcontractors and suppliers of each Bid Package, including information on the scope of work, the pre-bid meeting time and location, the bid date, and all other pertinent information regarding the project.

C. DEFINITIONS

- 1) A Minority-Owned Business Enterprise (MBE) is defined as a business which is certified as being at least 51% owned, managed and controlled by persons of African American, Hispanic, Asian, Pacific Islander, American Indian or Alaskan Native Heritage.
- 2) A Woman-Owned Business Enterprise (WBE) is defined as a business which is certified as being at least 51% owned, managed and controlled by one or more women.
- 3) A Disadvantaged Business (DBE) is defined as a business which is certified as being at least 51% owned, managed and controlled by a person(s) that are economically and socially disadvantaged.

- 4) A Veteran-Owned Small Business (VOSB) is defined as a business which is certified as being at least 51% owned, managed and controlled by a veteran and/or a service disabled veteran.
- 5) Good Faith Efforts are efforts that, given all relevant circumstances, a bidder or proposer actively and aggressively seeking to meet the goals, can reasonably be expected to make. In evaluating good faith efforts made toward achieving the goals, whether the bidder or proposer has performed the efforts outlined in the Obligations of Bidder for Good Faith Efforts outlined in this document will be considered, along with any other relevant factors.

D. OBLIGATION OF BIDDER FOR GOOD FAITH EFFORTS

- 1) **The bidder shall make a Good Faith Effort to achieve the Participation Goal for MWDBE and Veteran-Owned subcontractors/suppliers. The failure to meet the goal shall not necessarily be cause for disqualification of the bidder; however, bidders not meeting the goal are required to furnish with their bids written documentation of their Good Faith Efforts to do so.**
- 2) Award of Contract shall be conditioned upon satisfaction of the requirements set forth herein.
- 3) The Form of Proposal includes a section entitled “MWDBE Participation Form”. The applicable information must be completed and submitted as outlined below.
- 4) **Failure to submit this information as requested may be cause for rejection of bid or delay in contract award.**

E. DOCUMENTATION REQUIRED FOR GOOD FAITH EFFORTS

- 1) Bidders reaching the Goal are required to submit only the MWDBE Participation Form.” The form must be fully completed including names and telephone number of participating MWDBE firm(s); type of work to be performed; estimated value of the contract and value expressed as a percentage of the total Lump Sum Bid Price. The form must be signed and dated, and is to be submitted with the bid.
- 2) Bidders not reaching the Goal must submit the “MWDBE Participation Form”, the “Quote Summary Form” and a written statement documenting their Good Faith Effort to do so. If bid includes no MWDBE and/or Veteran participation, bidder shall enter “None” on the subcontractor / supplier form). In addition, the bidder must submit written proof of their Good Faith Efforts to meet the Participation Goal:
 - a. Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms and Veteran-Owned businesses to participate.
 - b. Included documentation of advertising in the above publications with the bidders good faith efforts package
 - c. Attended LFUCG Central Purchasing Economic Inclusion Outreach event
 - d. Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs and/or Veteran-Owned businesses of subcontracting opportunities

- e. Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms and Veteran-Owned businesses.
- f. Requested a list of MWDBE and/or Veteran subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).
- g. Contacted organizations that work with MWDBE companies for assistance in finding certified MWDBE firms and Veteran-Owned businesses to work on this project. Those contacted and their responses should be a part of the bidder's good faith efforts documentation.
- h. Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs and/or Veteran-Owned businesses soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.
- i. Followed up initial solicitations by contacting MWDBEs and Veteran-Owned Businesses to determine their level of interest.
- j. Provided the interested MWDBE firm and/or Veteran-Owned business with adequate and timely information about the plans, specifications, and requirements of the contract.
- k. Selected portions of the work to be performed by MWDBE firms and/or Veteran-Owned businesses in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MWDBE and Veteran participation, even when the prime contractor may otherwise perform these work items with its own workforce
- l. Negotiated in good faith with interested MWDBE firms and Veteran-Owned businesses not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.
- m. Included documentation of quotations received from interested MWDBE firms and Veteran-Owned businesses which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.
- n. Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a MWDBE and/or Veteran-Owned business's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE and Veteran goals.
- o. Made an effort to offer assistance to or refer interested MWDBE firms and Veteran-Owned businesses to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal
- p. Made efforts to expand the search for MWBE firms and Veteran-Owned businesses beyond the usual geographic boundaries.

q. Other--any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE and Veteran participation.

Note: Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to review by the MBE Liaison. Documentation of Good Faith Efforts must be submitted with the Bid, if the participation Goal is not met.



MINORITY BUSINESS ENTERPRISE PROGRAM

Sherita Miller, MPA
Minority Business Enterprise Liaison
Division of Central Purchasing
Lexington-Fayette Urban County Government
200 East Main Street
Lexington, KY 40507
smiller@lexingtonky.gov
859-258-3323

OUR MISSION: The mission of the Minority Business Enterprise Program is to facilitate the full participation of minority and women owned businesses in the procurement process and to promote economic inclusion as a business imperative essential to the long term economic viability of Lexington-Fayette Urban County Government.

To that end the city council adopted and implemented Resolution 484-2017 – A Certified Minority, Women and Disadvantaged Business Enterprise ten percent (10%) minimum goal and a three (3%) minimum goal for Certified Veteran-Owned Small Businesses and Certified Service Disabled Veteran – Owned Businesses for government contracts.

The resolution states the following definitions shall be used for the purposes of reaching these goals (a full copy is available in Central Purchasing):

Certified Disadvantaged Business Enterprise (DBE) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a person(s) who is socially and economically disadvantaged as defined by 49 CFR subpart 26.

Certified Minority Business Enterprise (MBE) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by an ethnic minority (i.e. African American, Asian American/Pacific Islander, Hispanic Islander, Native American/Native Alaskan Indian) as defined in federal law or regulation as it may be amended from time-to-time.

Certified Women Business Enterprise (WBE) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a woman.

Certified Veteran-Owned Small Business (VOSB) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a veteran who served on active duty with the U.S. Army, Air Force, Navy, Marines or Coast Guard.

Certified Service Disabled Veteran Owned Small Business (SDVOSB) – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a disabled veteran who served on active duty with the U.S. Army, Air Force, Navy, Marines or Coast Guard.

The term “Certified” shall mean the business is appropriately certified, licensed, verified, or validated by an organization or entity recognized by the Division of Purchasing as having the appropriate credentials to make a determination as to the status of the business.

To comply with Resolution 484-2017, prime contractors and minority, women and veteran owned businesses must enroll in the new Diverse Business Management Compliance system, <https://lexingtonky.diversitycompliance.com/>

We have compiled the list below to help you locate certified MBE, WBE and DBE certified businesses. Below is a listing of contacts for LFUCG Certified MWDBEs and Veteran-Owned Small Businesses in (<https://lexingtonky.ionwave.net>)

Business	Contact	Email Address	Phone
LFUCG	Sherita Miller	smiller@lexingtonky.gov	859-258-3323
Commerce Lexington – Minority Business Development	Tyrone Tyra	ttyra@commercelexington.com	859-226-1625
Tri-State Minority Supplier Diversity Council	Susan Marston	smarston@tsmsdc.com	502-365-9762
Small Business Development Council	Shawn Rogers UK SBDC	shawn.rogers@uky.edu	859-257-7666
Community Ventures Corporation	Phyllis Alcorn	palcorn@cvky.org	859-231-0054
KY Transportation Cabinet (KYTC)	Melvin Bynes	Melvin.bynes2@ky.gov	502-564-3601
KYTC Pre-Qualification	Shella Eagle	Shella.Eagle@ky.gov	502-782-4815
Ohio River Valley Women’s Business Council (WBENC)	Sheila Mixon	smixon@orvwbc.org	513-487-6537
Kentucky MWBE Certification Program	Yvette Smith, Kentucky Finance Cabinet	Yvette.Smith@ky.gov	502-564-8099
National Women Business Owner’s Council (NWBOC)	Janet Harris-Lange	janet@nwbooc.org	800-675-5066
Small Business Administration	Robert Coffey	robertcoffey@sba.gov	502-582-5971
LaVoz de Kentucky	Andres Cruz	lavozdeky@yahoo.com	859-621-2106
The Key News Journal	Patrice Muhammad	production@keynewsjournal.com	859-685-8488



LFUCG MWDBE PARTICIPATION FORM

Bid/RFP/Quote Reference # _____

The MWDBE and/or veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately. **Failure to submit a completed form may cause rejection of the bid.**

MWDBE Company, Name, Address, Phone, Email	MBE WBE or DBE	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
<i>Does Not Apply</i>				
1.				
2.				
3.				
4.				

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Company

Company Representative

Date

Title



LFUCG MWDBE PARTICIPATION FORM

Bid/RFP/Quote Reference # _____

The MWDBE and/or veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately. **Failure to submit a completed form may cause rejection of the bid.**

MWDBE Company, Name, Address, Phone, Email	MBE WBE or DBE	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
<i>Does Not Apply</i>				
2.				
3.				
4.				

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Company

Company Representative

Date

Title



LEXINGTON

LFUCG MWDBE SUBSTITUTION FORM

Bid/RFP/Quote Reference # _____

The substituted MWDBE and/or veteran subcontractors listed below have agreed to participate on this Bid/RFP/Quote. These substitutions were made prior to or after the job was in progress. These substitutions were made for reasons stated below and are now being submitted to Central Purchasing for approval. By the authorized signature of a representative of our company, we understand that this information will be entered into our file for this project. **Failure to submit this form may cause rejection of the bid.**

SUBSTITUTED MWDBE Company Name, Address, Phone, Email	MWDBE Formally Contracted/ Name, Address, Phone, Email	Work to Be Performed	Reason for the Substitution	Total Dollar Value of the Work	% Value of Total Contract
1.					
<i>Does Not Apply</i>					
2.					
3.					
4.					

The undersigned acknowledges that any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Company

Company Representative

Date

Title



LEXINGTON

MWDBE QUOTE SUMMARY FORM

Bid/RFP/Quote Reference # _____

The undersigned acknowledges that the minority and/or veteran subcontractors listed on this form did submit a quote to participate on this project. Failure to submit this form may cause rejection of the bid.

Company Name	Contact Person
Address/Phone/Email	Bid Package / Bid Date
<i>Does Not Apply</i>	

MWDBE Company Address	Contact Person	Contact Information (work phone, Email, cell)	Date Contacted	Services to be performed	Method of Communication (email, phone meeting, ad, event etc)	Total dollars \$\$ Do Not Leave Blank (Attach Documentation)	MBE * AA HA AS NA Female	Veteran

(MBE designation / AA=African American / HA= Hispanic American/AS = Asian American/Pacific Islander/ NA= Native American)

The undersigned acknowledges that all information is accurate. Any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Company

Company Representative

Date

Title



LEXINGTON

LFUCG SUBCONTRACTOR MONTHLY PAYMENT REPORT

The LFUCG has a 10% goal plan adopted by city council to increase the participation of minority and women owned businesses in the procurement process. The LFUCG also has a 3% goal plan adopted by cited council to increase the participation of veteran owned businesses in the procurement process. In order to measure that goal LFUCG will track spending with MWDBE and Veteran contractors on a monthly basis. By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentation may result in termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims. Please submit this form monthly to the Division of Central Purchasing/ 200 East Main Street/ Lexington, KY 40507.

Bid/RFP/Quote # _____
 Total Contract Amount Awarded to Prime Contractor for this Project _____

Project Name/ Contract #	Work Period/ From: _____ To: _____
Company Name:	Address: _____
Federal Tax ID:	Contact Person: _____

Subcontractor Vendor ID (name, address, phone, email)	Description of Work	Total Subcontract Amount	% of Total Contract Awarded to Prime for this Project	Total Amount Paid for this Period	Purchase Order number for subcontractor work (please attach PO)	Scheduled Project Start Date	Scheduled Project End Date
<i>Does Not Apply</i>							

By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentations may result in the termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims.

 Company

 Company Representative

 Date

 Title

LFUCG STATEMENT OF GOOD FAITH EFFORTS

Bid/RFP/Quote # _____

Does Not Apply

By the signature below of an authorized company representative, we certify that we have utilized the following Good Faith Efforts to obtain the maximum participation by MWDBE and Veteran-Owned business enterprises on the project and can supply the appropriate documentation.

_____ Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms and Veteran-Owned businesses to participate.

_____ Included documentation of advertising in the above publications with the bidders good faith efforts package

_____ Attended LFUCG Central Purchasing Economic Inclusion Outreach event

_____ Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs and/or Veteran-Owned Businesses of subcontracting opportunities

_____ Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms and Veteran-Owned businesses

_____ Requested a list of MWDBE and/or Veteran subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).

_____ Contacted organizations that work with MWDBE companies for assistance in finding certified MWBDE firms and Veteran-Owned businesses to work on this project. Those contacted and their responses should be a part of the bidder's good faith efforts documentation.

_____ Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.

_____ Followed up initial solicitations by contacting MWDBEs and Veteran-Owned businesses to determine their level of interest.

_____ Provided the interested MWBDE firm and/or Veteran-Owned business with adequate and timely information about the plans, specifications, and requirements of the contract.

_____ Selected portions of the work to be performed by MWDBE firms and/or Veteran-Owned businesses in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MWDBE and Veteran participation, even when the prime contractor may otherwise perform these work items with its own workforce

_____ Negotiated in good faith with interested MWDBE firms and Veteran-Owned businesses not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.

_____ Included documentation of quotations received from interested MWDBE firms and

Veteran-Owned businesses which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.

_____ Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a MWDBE and/or Veteran-Owned business's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE and Veteran goals.

_____ Made an effort to offer assistance to or refer interested MWDBE firms and Veteran-Owned businesses to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal

_____ Made efforts to expand the search for MWBE firms and Veteran-Owned businesses beyond the usual geographic boundaries.

_____ Other--any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE **and Veteran participation.**

NOTE: Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to approval by the MBE Liaison. Documentation of Good Faith Efforts must be submitted with the Bid, if the participation Goal is not met.

The undersigned acknowledges that all information is accurate. Any misrepresentations may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Company

Company Representative

Date

Title

Does Not Apply

**AMENDMENT 1 —
CERTIFICATION OF COMPLIANCE FOR EXPENDITURES USING FEDERAL FUNDS,
INCLUDING THE AMERICAN RESCUE PLAN ACT**

The Lexington-Fayette Urban County Government (“LFUCG”) may use Federal funding to pay for the goods and/or services that are the subject matter of this bid. That Federal funding may include funds received by LFUCG under the American Rescue Plan Act of 2021. Expenditures using Federal funds require evidence of the contractor’s compliance with Federal law. Therefore, by the signature below of an authorized company representative, you certify that the information below is understood, agreed, and correct. Any misrepresentations may result in the termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims.

The bidder (hereafter “bidder,” or “contractor”) agrees and understands that in addition to all conditions stated within the attached bid documents, the following conditions will also apply to any Agreement entered between bidder and LFUCG, if LFUCG uses Federal funds, including but not limited to funding received by LFUCG under the American Rescue Plan Act (“ARPA”), toward payment of goods and/or services referenced in this bid. The bidder also agrees and understands that if there is a conflict between the terms included elsewhere in this Request for Proposal and the terms of this Amendment 1, then the terms of Amendment 1 shall control. The bidder further certifies that it can and will comply with these conditions, if this bid is accepted and an Agreement is executed:

1. Any Agreement executed as a result of acceptance of this bid may be governed in accordance with 2 CFR Part 200 and all other applicable Federal law and regulations and guidance issued by the U.S. Department of the Treasury.
2. Pursuant to 24 CFR § 85.43, any Agreement executed as a result of acceptance of this bid can be terminated if the contractor fails to comply with any term of the award. This Agreement may be terminated for convenience in accordance with 24 CFR § 85.44 upon written notice by LFUCG. Either party may terminate this Agreement with thirty (30) days written notice to the other party, in which case the Agreement shall terminate on the thirtieth day. In the event of termination, the contractor shall be entitled to that portion of total compensation due under this Agreement as the services rendered bears to the services required. However, if LFUCG suspects a breach of the terms of the Agreement and/or that the contractor is violating the terms of any applicable law governing the use of Federal funds, LFUCG may suspend the contractor’s ability to receive payment by giving thirty (30) days’ advance written notice. Further, either party may terminate this Agreement for cause shown with thirty (30) days written notice, which shall explain the party’s cause for the termination. If the parties do not reach a settlement before the end of the 30 days, then the Agreement shall terminate on the thirtieth day. In the event of a breach, LFUCG reserves the right to pursue any and all applicable legal, equitable, and/or administrative remedies against the contractor.
3. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:
 - (1) Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

- (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- (3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- (4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part, and the contractor may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

Provided, however, that in the event a contractor becomes involved in or is threatened with litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

4. If fulfillment of the contract requires the contractor to employ mechanic's or laborers, the contractor further agrees that it can and will comply with the following:

- (1) Overtime requirements: No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such a workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such a workweek.
- (2) Violation: liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section, the contractor and any subcontractor responsible therefor shall be liable for

the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) Withholding for unpaid wages and liquidated damages. LFUCG shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower-tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower-tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

5. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.

6. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency Regional Office.

7. The contractor shall include these requirements in numerical paragraphs 5 and 6 in each subcontract exceeding \$100,000 financed in whole or in part with Federal funding.

8. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251 et seq.

9. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency Regional Office.

10. The contractor shall include these requirements in numerical paragraphs 8 and 9 in each subcontract exceeding \$100,000 financed in whole or in part with Federal funds.

11. The contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251 et seq.

12. The contractor shall report each violation to LFUCG and understands and agrees that LFUCG will, in turn, report each violation as required to assure notification to the Treasury Department and the appropriate Environmental Protection Agency regional office.

13. The contractor shall include these requirements in numerical paragraphs 11 and 12 in each subcontract exceeding \$100,000 financed in whole or in part with American Rescue Plan Act funds.

14. The contractor shall include this language in any subcontract it executes to fulfill the terms of this bid: "the subgrantee, contractor, subcontractor, successor, transferee, and assignee shall comply with Title VI of the Civil Rights

Act of 1964, which prohibits recipients of federal financial assistance from excluding from a program or activity, denying benefits of, or otherwise discriminating against a person on the basis of race, color, or national origin (42 U.S.C. § 2000d et seq.), as implemented by the Department of the Treasury's Title VI regulations, 31 CFR Part 22, which are herein incorporated by reference and made a part of this contract (or agreement). Title VI also includes protection to persons with 'Limited English Proficiency' in any program or activity receiving federal financial assistance, 42 U.S.C. § 2000d et seq., as implemented by the Department of the Treasury's Title VI regulations, 31 CFR Part 22, and herein incorporated by reference and made a part of this contract or agreement."

15. Contractors who apply or bid for an award of \$100,000 or more shall file the required certification that it will not and has not used federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency. Each tier certifies to the tier above that it will not and has not used federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures are forwarded from tier to tier, up to the recipient. The required certification is included here:

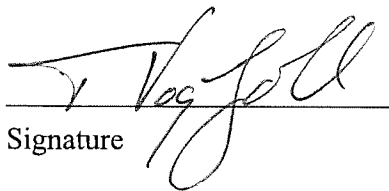
- a. The undersigned certifies, to the best of his or her knowledge and belief, that:
 - (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
 - (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
 - (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.
- b. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

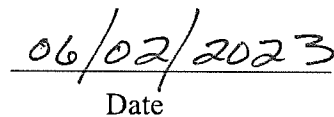
16. The contractor acknowledges and certifies that it has not been debarred or suspended and further acknowledges and agrees that it must comply with regulations regarding debarred or suspended entities in accordance with 24 CFR § 570.489(1). Funds may not be provided to excluded or disqualified persons.

17. The contractor agrees and certifies that to the greatest extent practicable, it will prefer the purchase, acquisition, and use of all applicable goods, products or materials produced in the United States, in conformity with 2 CFR 200.322 and/or section 70914 of Public Law No. 117-58, §§ 70901-52, also known as the Infrastructure Investment and Jobs Act, whichever is applicable.

18. The contractor agrees and certifies that all activities performed pursuant to any Agreement entered as a result of the contractor's bid, and all goods and services procured under that Agreement, shall comply with 2 C.F.R. § 200.216 (Prohibition on certain telecommunications and video surveillance services and equipment) and 2 C.F.R. 200 § 200.323 (Procurement of recovered materials), to the extent either section is applicable.

19. If this bid involves construction work for a project totaling \$10 million or more, then the contractor further agrees that all laborers and mechanics, etc., employed in the construction of the public facility project assisted with funds provided under this Agreement, whether employed by contractor, or contractor's contractors, or subcontractors, shall be paid wages complying with the Davis-Bacon Act (40 U.S.C. 3141-3144). Contractor agrees that all of contractor's contractors and subcontractors will pay laborers and mechanics the prevailing wage as determined by the Secretary of Labor and that said laborers and mechanics will be paid not less than once a week. The contractor agrees to comply with the Copeland Anti- Kick Back Act (18 U.S.C. § 874) and its implementing regulations of the U.S. Department of Labor at 29 CFR part 3 and part 5. The contractor further agrees to comply with the applicable provisions of the Contract Work Hours and Safety Standards Act (40 U.S.C. Section 327-333), and the applicable provisions of the Fair Labor Standards Act of 1938, as amended (29 U.S.C. et seq.). Contractor further agrees that it will report all suspected or reported violations of any of the laws identified in this paragraph to LFUCG.


Signature


Date

**Lexington Fire Department
Fire Hose Specification
Double Jacket Combat Ready 1 3/4" Attack Hose**

Scope:

Hose bid must meet current NFPA 1961 Standards. Hose manufactured to this specification shall be of superior quality and workmanship. The hose will withstand the rough usage of front line firefighting. Lengths available up to 100 feet.

Comply: ✓ Exception: _____

Due to lack of verification of adherence to NFPA 1961, the Lexington Fire Department will only accept hose that is manufactured, coupled and tested in the U.S.A.

Comply: ✓ Exception: _____

The hose must be manufactured, coupled and tested in the same facility. This allows the manufacturer to oversee the entire hose manufacturing process to assure an unmatched and reliable quality from procurement of premium quality raw materials, through twisting and weaving of yarns, liner and cover extrusion, jacket impregnation, hose assembly, curing/vulcanization, and coupling attachment process. The Manufacturer is defined for this specification as the one creating the hose by using all of these processes.

Comply: ✓ Exception: _____

Lexington Fire Department will not accept hose that is purchased from one manufacturer and coupled by a second party. **(No Exception)**

Comply: ✓ Exception: _____

The hose will carry a 10 year warranty, plus a 1-year wear/tear warranty.

(No Exception)

Comply: ✓ Exception: _____

A copy of the manufactures hose specification, testing procedure and warranty must be submitted with the formal quote. **(No Exception)**

Comply: ✓ Exception: _____

A letter from the hose manufacturer stating that their hose meets this specification must be submitted on company letterhead with each vendor's bid.

Comply: ✓ Exception: _____

Each vendor must submit the Manufacturer, Model and inside diameter of the hose they are bidding. **(No Exception)**

Comply: ✓ Exception: _____

The inside diameter of the 1 3/4" hose shall be **1.88"**. **(No exception)**

Comply: ✓ Exception: _____

Hose Construction:

This hose is designed specifically for aggressive fire attack operations. The outer jacket is woven from ring spun staple polyester yarns over an inner liner consisting of a one-piece extruded through-the-weave nitrile/PVC tube. Color or clear coat abrasion resistant process as a standard on the outer jacket.

Comply: ✓ Exception: _____

Inner Liner Properties:

When the hose is tested in accordance with NFPA 1961, the liner or cover shall have the following properties:

Ultimate Tensile Strength shall not be less than 1200 PSI

Comply: ✓ Exception: _____

Ultimate Elongation shall not be less than 200%

Comply: ✓ Exception: _____

Accelerated Aging Test shall meet requirements of UL19 for accelerated aging.

Comply: ✓ Exception: _____

Adhesion between reinforcement and liner shall be a minimum of 20 pounds.

Comply: ✓ Exception: _____

Ozone Resistance:

The liner shall show no signs of visible cracking of the cover of liner when tested in accordance with ASTM D1149-91 and ASTM D518-86 (R91), Procedure B.

Comply: ✓ Exception: _____

Chemical Resistance:

Exposure to seawater and contamination by most chemicals shall have no effect on the short or long term performance of the hose.

Comply: ✓ Exception: _____

Color:

The hose must be available in the following colors, Red, Yellow, Green, Blue, Orange and White with a red & blue colored stripe woven into the outer jacket.

Comply: Exception: _____

Couplings:

Lightweight aluminum threaded couplings with 1 ½” NST threads. All couplings shall be made in the USA. **(No Exception)**

Comply: Exception: _____

Lightweight aluminum couplings shall have a bowl size of 2 ¼”.
(No Exception)

Comply: Exception: _____

Performance:

The service test pressure of hose made to this specification shall be 500 PSI. The proof test pressure shall be 1000 PSI, and the burst test pressure of a 3ft. sample shall be at least 1500 PSI. At 600 PSI pressure, a 50 ft. hose shall not elongate more than 30 inches. The twist of the hose shall not exceed 2 right hand turns per 50 ft. nor shall it rise up from the test surface.

Comply: Exception: _____

Cold Resistance: Hose shall be capable of safe use down to -50 degrees F. The hose shall have no apparent damage to cover reinforcement or lining when subjected to the following cold flexibility test: A 50 ft. length of dry hose is coiled and placed in a cold box at -50 degrees for 24 hours. Immediately upon removal from the cold box the hose will be uncoiled and laid out by one operator.

Comply: Exception: _____

Water absorption: The tendency for a hose to absorb water while in a wet environment can create significant handling difficulties. When tested against the

procedure listed in MIL-H-24606B, the maximum weight gain shall not exceed 3 lbs. per 50 foot length.

Comply: ✓ Exception: _____

The hose shall not be affected by rot or mildew. The hose must be of sufficient body and weight to meet the demands of heavy-duty firefighting usage.

Comply: ✓ Exception: _____

Flashover Resistance: Heat resistance is of the utmost importance when evaluating interior attack hose. This hose shall meet the safety factors for heat resistance without exceeding the normal fire hose weight. The hose shall be subjected to a static pressure of 100 PSI and be capable of withstanding a surface temperature of 1200 degrees F for a minimum of 30 seconds without bursting.

Comply: ✓ Exception: _____

Abrasion Resistance: A direct relationship to the safe performance of the fire hose. The UL abrasion test most closely resembles the fire ground use of fire hose and as such, is considered of prime importance.

The hose shall pass a burst test after 5000 cycles on a reciprocating abrasion tester as specified in UL Standard 19.

Comply: ✓ Exception: _____

A letter from the hose manufacture stating the current co-efficient for their 1 3/4" hose that they are bidding must be submitted on company letterhead with each vendor's bid. The testing procedure that was used to determine the co-efficient and all relevant documentation must also be submitted by the manufacture of the hose.

(No Exception)

Comply: ✓ Exception: _____

The hose will carry a 10 year warranty on the assembly with an additional lifetime liner delamination warranty. **(No Exception)**

Comply: Exception: _____

A copy of the manufactures hose specification, testing procedure and warranty must be submitted with the formal quote. **(No Exception)**

Comply: _____ Exception: _____

Each vendor must submit the Manufacture, Model and Inside Diameter of the hose they are bidding. **(No Exception)**

Comply: Exception: _____

Each vendor that is submitting a bid, shall submit in writing a letter from the hose manufacture that the hose they are bidding has been approved by FDNY and meets current FDNY 1 3/4" Hose Specification. **(No Exception)**

Comply: Exception: _____

A letter from the hose manufacture stating that their hose meets this specification must be submitted on company letterhead with each vendor's bid.

Comply: Exception: _____

Jacket Construction:

Double jacket hose manufactured to this specification shall be tightly woven from ring spun polyester yarn in the inner and outer jackets. The weft shall be constructed of virgin filament polyester.

Comply: Exception: _____

The outer jacket must be coated with a polyurethane base impregnation and be highly abrasion resistant. Impregnated hose shall meet the current requirements of MIL-H-24606B for abrasion resistance.

Comply: Exception: _____

Lining:

The rubber lining shall 0.040" minimum wall thickness extruded tube of synthetic EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics. No reclaimed rubber shall be used. Plastic tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. The adhesion between the tube and jacket shall be a permanent bond and shall meet all UL-19 specifications.

Comply: Exception: _____

Color:

The color for the 1 3/4" attack hose shall be offered in Blue, Red, Green, Yellow, White, Tan and Orange with colored impregnated stripes.

Comply: Exception: _____

Couplings:

Lightweight aluminum threaded couplings with 1 1/2" NST threads. All couplings shall be made in the USA. **(No Exception)**

Comply: Exception: _____

Each vendor must submit the bowl size of the coupling that they are using on the hose that they are bidding. **(No Exception)**

Comply: Exception: _____

If the hose that has been delivered by the manufacture & vendor fails to meet these specifications, it will be the responsibility of that manufacture / vendor to pay for all shipping costs back to the hose manufacturing facility at no cost to the LFUCG Division of Fire. **(No Exception)**

Comply: _____ ✓ _____ Exception: _____

Identification and Marking:

Every piece of coupled hose supplied under this specification will have a unique barcode identifier located on the coupling. The identifier number will be used by the manufacturer to record manufacturing and hydrostatic test data for the piece of hose. Further the hose identification system shall be used for capturing the hose number for maintaining as electronic hose inventory for the documentation of hose records as required by NFPA 1962 standards. Each piece of hose passing the hydrostatic proof test shall be indelibly marked /stenciled with the manufacturers name, the month and year of manufacture, the words “Lexington KY Fire Department”, the country of origin and the service test words per NFPA 1961 (latest edition) A unique identification number as prescribed by the Lexington Fire Department shall be indelibly marked/stenciled on the hose. Couplings may be laser engraved or stamped. **(No Exception)**

Comply: _____ Exception: _____ ✓ _____

Inner Liner Properties:

When the hose is tested in accordance with NFPA 1961, the liner or cover shall have the following properties:

Ultimate Tensile Strength shall not be less than 1200 PSI

Comply: Exception: _____

Ultimate Elongation shall not be less than 200%

Comply: Exception: _____

Accelerated Aging Test shall meet requirements of UL19 for accelerated aging.

Comply: Exception: _____

Adhesion between reinforcement and liner shall be a minimum of 20 pounds.

Comply: Exception: _____

Ozone Resistance:

The liner shall show no signs of visible cracking of the cover of liner when tested in accordance with ASTM D1149-91 and ASTM D518-86 (R91), Procedure B.

Comply: Exception: _____

Chemical Resistance:

Exposure to seawater and contamination by most chemicals shall have no effect on the short or long term performance of the hose.

Comply: Exception: _____

Color:

The hose must be available in the following colors, Red, Yellow, Green, Blue, Orange and White with a red & blue colored stripe woven into the outer jacket.

**Lexington Fire Department Fire Hose Specification
For
TRU-ID Double Jacket 2 1/2" Attack Hose**

1.0 Scope:

1.0 Hose bid must meet current NFPA 1961 Standards. Hose manufactured to this specification shall be of superior quality and workmanship. The hose will withstand the rough usage of front-line firefighting. Lengths available up to 75 feet.

Comply: Yes No

1.2 The hose must be manufactured, coupled and tested in the same facility. This allows the manufacturer to oversee the entire hose manufacturing process to assure an unmatched and reliable quality from procurement of premium quality raw materials, through twisting and weaving of yarns, liner and cover extrusion, jacket impregnation, hose assembly, curing/vulcanization, and coupling attachment process. The Manufacturer is defined for this specification as the one creating the hose by using all of these processes.

Comply: Yes No

1.3 Lexington Fire Department will only accept hose that is manufactured, tested and coupled in the U.S.A.

Comply: Yes No

1.4 Lexington Fire Department will not accept hose that is purchased from one manufacture and coupled by a second party. **(No Exception)**

Comply: Yes No

1.5 A letter from the hose manufacture stating that their hose meets this specification must be submitted on company letterhead with each vendor's bid.

Comply: Yes No

1.6 The hose will carry a 10-year warranty on the assembly with an additional lifetime liner delamination warranty. **(No Exception)**

Comply:

Yes No

1.7 A copy of the manufactures testing procedure and warranty must be submitted in writing with the formal quote. **(No Exception)**

Comply:

Yes No

1.8 Each vendor must submit the Manufacture, Model and inside diameter of the hose they are bidding. **(No Exception)**

Comply:

Yes No

1.9 The coupled length for the hose shall be 50ft per length. There will be an allowance of length variance per current NFPA 1961 standard of +4% to -2% of desired length of each coupled section.

Comply:

Yes No

1.10 The finished inside diameter of the TRU-ID 2 ½" hose shall be 2.50" plus or minus 1.2% when measured according to UL-19 standards.

Comply:

Yes No

2.0 Jacket Construction:

2.1 Double jacket hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler and ring spun polyester yarn in the warp of both the inside and outside jackets.

Comply:

Yes No

2.2 The inside and outside jackets shall be manufactured with a minimum pick count of 9.5 picks per inch for increased strength and abrasion resistance.

Comply:

Yes No

2.3 The outer jacket must be coated with a polyurethane base impregnation and be highly abrasion resistant. Impregnated hose shall meet the current requirements of MIL-H-24606B for abrasion resistance.

Comply:

Yes No

3.0 Colors:

3.1 The attack hose shall be offered in Blue, Red, Green, Yellow, White, Tan, Orange, and Black. Tracer lines that identify the hose as a genuine TRU-ID product shall be woven into the outside jacket at the provision of the manufacturer.

Comply:

Yes No

4.0 Lining:

4.1 The rubber lining shall 0.040" minimum and 0.050" maximum wall thickness extruded tube of synthetic EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics.

Comply:

Yes No

4.2 No reclaimed rubber shall be used. Plastic tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. The adhesion between the tube and jacket shall be a permanent bond and shall meet all UL-19 specifications.

Comply:

Yes No

5.0 Couplings:

5.1 Lightweight aluminum threaded couplings with 2 ½” NST threads. All couplings shall be made in the USA. The hose must fit a 2 7/8” bowl size coupling. Couplings shall be laser etched with TRU-ID. **(No Exception)**

Comply:

Yes No

5.2 Each vendor must submit the bowl size of the coupling that they are using on the 2 1/4” hose that they are bidding. **(No Exception)**

Comply:

Yes No

6.0 Performance:

6.1 The service test pressure of hose made to this specification shall be 400 PSI. The proof test pressure shall be 800 PSI, and the burst test pressure of a 3ft. sample shall be at least 1200 PSI. At 600 PSI pressure, a 50 ft. hose shall not elongate more than 30 inches. The twist of the hose shall not exceed 2 right hand turns per 50 ft. nor shall it rise up from the test surface. The hose must resist kinking and be flexible at temperatures as low as -65F°.

Comply:

Yes No

6.2 The hose shall be resistant to most chemicals and petrol products, and resist deterioration due to exposure to UV-rays and ozone.

Comply:

Yes No

6.3 The hose shall not be affected by rot or mildew.

Comply:

Yes No

6.4 The hose must be of sufficient body and weight to meet the demands of heavy-duty firefighting usage. The 2 1/2” hose shall weigh a minimum of .56 lbs. per foot uncoupled.

Comply:

Yes No

6.5 A letter from the hose manufacture stating the current co-efficient for their 2 1/2” hose that they are bidding must be submitted on company letterhead with each vendor’s bid. The testing procedure that was used to determine the coefficient and all relevant documentation must also be submitted by the manufacturer of the hose. **(No Exception)**

Comply:

Yes No

7.0 Standards:

7.1 The fire hose manufactured to this specification shall meet and exceed all performance requirements of NFPA 1961 and MIL-H-24606B.

Comply:

Yes No

8.0 Abrasion Resistance:

8.1 A direct relationship to the safe performance of the fire hose. The UL abrasion test most closely resembles the fire ground use of fire hose and as such, is considered of prime importance. Hose meeting all of the abrasion resistance safety factors below shall do so without exceeding average weights. The hose shall pass a burst test after 500 cycles on a reciprocating abrasion tester as specified in UL Standard 19.

Comply:

Yes No

8.2 Note: If the hose that has been delivered by the manufacturer & vendor fails to meet these specifications, it will be the responsibility of that manufacturer / vendor to pay for all shipping costs back to the hose manufacturing facility at no cost to the LFUCG Division of Fire. **(No Exception)**

Comply:

Yes No

Identification and Marking:

Every piece of coupled hose supplied under this specification will have a unique barcode identifier located on the coupling. The identifier number will be used by the manufacturer to record manufacturing and hydrostatic test data for the piece of hose. Further the hose identification system shall be used for capturing the hose number for maintaining as electronic hose inventory for the documentation of hose records as required by NFPA 1962 standards. Each piece of hose passing the hydrostatic proof test shall be indelibly marked /stenciled with the manufacturers

name, the month and year of manufacturer, the words "Lexington KY Fire Department", the country of origin and the service test words per NFPA 1961 (latest edition) A unique identification number as prescribed by the Lexington Fire Department shall be indelibly marked/stenciled on the hose. Couplings may be laser engraved or stamped. **(No Exception)**

Comply: _____ Exception: _____ ✓

A copy of the manufactures hose specification, testing procedure and warranty must be submitted with the formal quote. **(No Exception)**

Comply: ✓ Exception: _____

A letter from the hose manufacture stating that their hose meets this specification must be submitted on company letterhead with each vendor's bid.

Comply: ✓ Exception: _____

Each vendor must submit the Manufacture, Model and inside diameter of the hose they are bidding. **(No Exception)**

Comply: ✓ Exception: _____

Jacket Construction:

Double jacket hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler, and ring spun polyester yarn in the warp of both the inside and outside jackets.

Comply: ✓ Exception: _____

Inside jackets manufactured from 100% filament polyester do not meet this specification.

Comply: ✓ Exception: _____

The inside and outside jackets shall be manufactured with a minimum pick count of 11 picks per inch for increased strength and abrasion resistance.

Comply: ✓ Exception: _____

The inside jacket shall be manufactured using a reverse twill process to reduce friction loss. The inside jacket shall be manufactured on a circular loom in a clockwise direction and the outside jacket in a counter-clockwise direction.

Comply: Exception: _____

The outside jacket hose shall be woven with a double tracer stripe for ease in identification and twist.

Comply: Exception: _____

Hose assemblies shall have polyurethane based polymer impregnation for added abrasion resistance and ease in identification.

Comply: Exception: _____

Colors:

The attack hose shall be offered in Blue, Red, Green, Yellow, White, Tan, Orange and Black.

Comply: Exception: _____

Lining:

The rubber lining shall be a single-ply extruded tube of synthetic high tensile EPDM compounded to resist ozone.

Comply: Exception: _____

The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics.

Comply: Exception: _____

Polyurethane tubes, SBR and/or PVC tubes that sacrifice durability of the hose life for the sake of weight are not acceptable.

Comply: Exception: _____

The tube thickness shall be a minimum of .020". The adhesion between the tube and jacket shall meet a minimum requirement of 12 pounds on a 1 1/2" strip when tested in accordance to UL-19 standards.

Comply: Exception: _____

Minimum tensile strength requirements for the finished tube requirement shall be 1800 PSI. A valid UL/ULC Underwriters inspection procedure shall be in force.

Comply: Exception: _____

Couplings:

4 1/2" NHT Threaded Couplings shall be manufactured in the USA.

Comply: Exception: _____

The warranty for the 4 1/2" NHT Threaded Couplings shall be provided by the fire hose manufacture.

Comply: Exception: _____

Each vendor must submit the bowl size of the coupling that they are using on the 5" hose that they are bidding. **(No Exception)**

Note: If the hose that has been delivered by the manufacture & vendor fails to meet these specifications, it will be the responsibility of that manufacture / vendor to pay for all shipping costs back to the hose manufacturing facility at no cost to the LFUCG Division of Fire. **(No Exception)**

Comply: _____ Exception: _____

Identification and Marking:

Every piece of coupled hose supplied under this specification will have a unique barcode identifier located on the coupling. The identifier number will be used by the manufacturer to record manufacturing and hydrostatic test data for the piece of hose. Further the hose identification system shall be used for capturing the hose number for maintaining as electronic hose inventory for the documentation of hose records as required by NFPA 1962 standards. Each piece of hose passing the hydrostatic proof test shall be indelibly marked /stenciled with the manufacturers name, the month and year of manufacture, the words “Lexington KY Fire Department”, the country of origin and the service test words per NFPA 1961 (latest edition) A unique identification number as prescribed by the Lexington Fire Department shall be indelibly marked/stenciled on the hose. Couplings may be laser engraved or stamped. **(No Exception)**

Comply: _____ Exception: _____

Please log into your Ionwave account to submit pricing on the line items tab. Once you have completed and uploaded your bid package, you will need to click “yes” on the attributes tab.

COMMERCIAL GENERAL LIABILITY INSURANCE

The successful bidder shall, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of commercial general liability insurance:

Products/Completed Operations Aggregate	\$1,000,000
Personal and Advertising Injury	\$1,000,000
Each Occurrence	\$1,000,000

Coverage shall be written on a Commercial General Liability form. The policy shall be written on an occurrence form and shall include Contractual Liability coverage. The policy shall include owner as an additional insured as their interest may appear.

The required limits can be provided by one or more policies provided all other insurance requirements are met.

A carrier(s) rated "Excellent" by A.M. Bests shall provide coverage.

UMBRELLA/EXCESS LIABILITY INSURANCE

The successful bidder shall, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of umbrella liability insurance:

Aggregate:	\$5,000,000
Each Occurrence:	\$5,000,000

The policy shall be written on an occurrence basis and at a minimum provide the same coverage's as Bidder's General Liability, Automobile Liability and Employer's Liability policies. Owner shall be included as an additional insured on the General Liability and Automobile Liability policies as their interest may appear. The required limits can be provided by one or more policies provided all other insurance requirements are met.

Bidder agrees to furnish owner with a current Certificate of Insurance with the coverage listed above along with its bid. The certificate shall be made out to the purchaser and be an original, no photocopies shall be accepted. The Certificate of Insurance shall provide that owner be given 30 days advance notice of cancellation, no renewal or material change in coverage.



VOGELPOHL FIRE EQUIPMENT

2770 Circleport Drive Erlanger, KY 41018
www.vogelpohlfire.com

Quote #: Q007485
Date: Jun 12, 2023
Expiration:
Contact: Todd Vogelwohl
Cell: 513-659-8789
Email: toddv@vogelpohlfire.com

ISSUED TO

Shane Poynter
Lexington Fire Dept
205 East 3rd Street
Lexington KY 40508

Qty	Description	Payment Terms	Freight	Each	Extended
		Net Due in 15 Days	Not Included		
1	Key 1.75" x 50' Combat Ready hose with 1.5" NST couplings; color treatment; stenciled Lexington KY Fire Department			\$269.00	\$269.00
1	Key 1.75" x 75' Combat Ready hose with 1.5" NST couplings; color treatment; stenciled Lexington KY Fire Department			\$377.00	\$377.00
1	Key 1.75" x 50' Big 10 FDNYT hose with 1.5" NST couplings; color treatment; stenciled Lexington KY Fire Department			\$175.50	\$175.50
1	Key 1.75" x 100' Big 10 FDNYT hose with 1.5" NST couplings; color treatment; stenciled Lexington KY Fire Department			\$295.00	\$295.00
1	Key 2.5" x 50' Combat Ready hose with 2.5" NST couplings; color treatment; stenciled Lexington KY Fire Department			\$342.00	\$342.00
1	Key 2.5" x 50' TRU-ID hose with 2.5" NST couplings; color treatment; stenciled Lexington KY Fire Department			\$225.00	\$225.00
1	Key 5" x 100' HY-FLOW hose with 4.5" NST couplings; stenciled Lexington KY Fire Department			\$882.00	\$882.00

Thank you for the opportunity to provide you with this proposal.



Exceptions & Clarifications

1. Lexington KY Fire Department will be stenciled on the hose. However, it will follow all required NFPA stenciling and not be mixed in with the NFPA stenciling.
2. Pricing is only good until September 30, 2023. We are unable to commit this pricing for one year terms in the current market conditions.
3. Freight will be included on all orders totaling \$8,000.00 or more. Anything less than an \$8,000.00 order will be charged actual freight but not to exceed \$275.00.
4. Combat Ready is not available in 100' sections. They are only available in 50' and 75' lengths.
5. Key does not offer a bar coding system. Couplings can be stamped for an additional fee.



"The Hose Company"

Wednesday June 7, 2023

Lexington-Fayette Urban County Government 71-2023

Reference: Warranty for Key Hose products Combat Ready, FDNY, TRU-ID, and HY-Flow

Hose furnished under these specifications will have a potential service life and warranty of 10 years with a lifetime warranty against liner delamination, barring mistreatment that would render it unfit for service. Upon delivery, the hose shall be free from defects in materials and workmanship.

Combat Ready, FDNY, TRU-ID also carry a 1-year all hazards warranty.

A handwritten signature in black ink, appearing to read "Joey Hayes". The signature is fluid and cursive, with a large loop at the beginning.

Joey Hayes

Key Account Manager
2926 Columbia Highway
Dothan, AL 36303
jhayes@keyhose.com



"The Hose Company"

June 2, 2023

Reference: Lexington-Fayette 71-2023 request for Specifications Compliance for Key Fire Hose

Please be advised our Combat Ready, TRU-ID, FDNY, and HY-FLOW hoses are NFPA 1961 and 1962 compliant. All Key Combat Ready, TRU-ID, FDNY, and HY-FLOW fire hose is manufactured and tested at our facility in Dothan AL. per the standards and procedures outlined in NFPA 1961 chapters 6 and 7, with a valid USA/UL and Underwriters inspection procedure in force. All above mentioned products carry a 10-year manufacture defect with an additional one year all hazards warranty coverage for Combat Ready, TRU-ID and FDNY.

The Average Coefficient for the products are:

- Combat Ready
 - 1.88" with an average coefficient of 6.59
 - 2.5" with an average coefficient of 1.81

- FDNY
 - 1.88" with an average coefficient of 7.44

- TRU-ID
 - 2.5" with an average coefficient of 2.03

- HY-FLOW
 - 5" with an average coefficient of 0.049

All friction loss testing is conducted on site using the below testing procedure:

Friction Loss Testing: A calibrated in-line gauge is placed at the inlet of two 50' sections of hose for the 3.00" and smaller lines and one 100' section of 4.00' and larger lines. Another in-line gauge is placed at the discharge side of the test samples. The hose line is fitted with a selected smooth bore nozzle or master stream device and then filled with water. The discharge pressure is increased until the required nozzle tip pressure is reached. The size and nozzle pressures are dictated by the GPM request of the test. Then a reading is simultaneously taken on both gauges to correctly determine the friction loss of the 100' long assembly.

Sincerely,

A handwritten signature in black ink, appearing to read "Joey Hayes", written over a horizontal line.

Joey Hayes
Key Account Manager

Key Hy-Flow Fire Hose Specification 5" Double Jacket Attack Hose

1.0 Scope

1.1 Hose bid must meet current NFPA 1961 Standards. Hose manufactured to this specification shall be of superior quality and workmanship. The hose will withstand the usage of front-line firefighting. Lengths shall be available up to 100 feet. Due to lack of verification of adherence to NFPA 1961, the Fire Department will only accept hose that is manufactured, coupled, and tested in the U.S.A. The hose must be manufactured, coupled, and tested in the same facility. This allows the manufacturer to oversee the entire hose manufacturing process to assure an unmatched and reliable quality from procurement of premium quality raw materials, through twisting and weaving of yarns, liner and cover extrusion, jacket impregnation, hose assembly, curing/vulcanization, and coupling attachment process. The Manufacturer is defined for this specification as the one creating the hose by using all of these processes.

1.2 The Fire Department will not accept hose that is purchased from one manufacturer and coupled by a second party. **(No Exception)**

1.3 The hose will carry a 10-year warranty on the assembly with an additional lifetime liner delamination warranty. **(No Exception)**

1.4 A copy of the manufacturer's hose specification, testing procedure and warranty must be submitted with the formal quote. **(No Exception)**

1.5 A letter from the hose manufacturer stating that their hose meets this specification must be submitted on company letterhead with each vendor's bid.

1.6 Each vendor must submit the Manufacturer, Model and inside diameter of the hose they are bidding. **(No Exception)**

2.0 Jacket Construction

2.1 Double jacket hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler, and ring spun polyester yarn in the warp of both the inside and outside jackets. Inside jackets manufactured from 100% filament polyester do not meet this specification. The inside and outside jackets shall be manufactured with a minimum pick count of 11 picks per inch for increased strength and abrasion resistance. The inside jacket shall be manufactured using a reverse twill process to reduce friction loss. The inside jacket shall be manufactured on a circular loom in a clockwise direction and the outside jacket in a counterclockwise direction. The outer jacket shall be woven with a double tracer stripe for ease in identification and twist.

3.0 Abrasion

The outer jacket must be coated with a polyurethane base impregnation and be highly abrasion resistant. Impregnated hose shall meet the current requirements of MIL-H-24606B latest edition for abrasion resistance.

4.0 Lining

The rubber lining shall be a single-ply extruded tube of synthetic high tensile EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics. Polyurethane tubes, SBR and/or PVC tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. The tube thickness shall be a minimum of .020". The adhesion between the tube and jacket shall meet a minimum requirement of 12 pounds on a 1 1/2" strip when tested in accordance to UL-19 standards. The minimum tensile strength requirements for the finished tube requirement shall be 1800 PSI.

5.0 Colors

The color for the attack hose shall be offered in Clear (White), Red, Yellow, Blue, Green, Orange, Purple, Tan, and Black.

6.0 Couplings

The couplings shall be manufactured in the USA. (Imported couplings will not be accepted.)

7.0 Performance

7.1 The minimum burst test pressure, when tested in accordance with NFPA 1961, for 5" diameter shall be 900 PSI/62 Bar.

7.2 Each vendor and or manufacturer must submit the coefficient of the hose they are bidding. The testing procedure that was used to determine the co-efficient must also be submitted by the hose manufacturer if requested. **(No Exception)**

8.0 Thermal Resistance Safety Factor:

This hose shall meet the safety factors for heat resistance without exceeding the normal fire hose weight. Thermal testing shall comply with the UL-19 Standard for lined fire hose and hose assemblies and shall have an **Underwriter's Laboratories® Certificate of Compliance** for Radiant heat test #37 and Conductive heat test #38, fourteenth edition. The test results shall be provided by the hose manufactures to hose purchaser upon request.**(No Exception)**

9.0 Standards

9.1 The fire hose manufactured to this specification shall meet and exceed all performance requirements of NFPA 1961. A valid UL/ULC Underwriters Laboratories® inspection procedure shall be in force. Service test pressure of 300 PSI shall be stenciled on the hose and shall be in accordance with current minimum requirements of NFPA 1962.

9.2 If the hose that has been delivered by the manufacture & vendor fails to meet these specifications, it will be the responsibility of that manufacture / vendor to pay for all shipping costs back to the hose manufacturing facility at no cost to the City of or Fire Department. **(No Exception)**

HY-FLOW

LIGHTWEIGHT RUBBER LINED FIRE HOSE

KEY HOSE

HY-FLOW

MADE IN
USA



THIS IS **KEY**

Lightweight, double jacket construction, combining 100% premium ring spun staple and filament polyester fibers over a thin wall, high tensile, EPDM rubber liner. The outer jacket is mildew resistant and available with double dip "Key-Lok" polyurethane based polymer impregnation for abrasion and moisture resistance. A proprietary reverse twill weave construction reduces friction loss, while engineered yarn selections lighten the hose compared to competitive offerings. This reliable, double jacket fire hose with Key-Lok treatment is tested to 600 psi and meets MIL-H-24606 latest edition for abrasion resistance. Features a 10-year warranty and lifetime liner delamination guarantee.

KEY HOSE

DOUBLE JACKET ATTACK/SUPPLY HOSE



RUBBER LINED FIRE HOSE

HY-FLOW

LIGHTWEIGHT DOUBLE JACKET RUBBER LINED HOSE

Diameter	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight Uncoupled
4"	DP40-600	300 psi	600 psi	900 psi	4 1/2"	0.82 lbs/ft
5"	DP50-600	300 psi	600 psi	900 psi	5 1/2"	1.14 lbs/ft

Scope

Hose manufactured to this specification shall be of superior quality and workmanship. The hose shall withstand the rough usage of front line fire fighting. Hose specified shall meet NFPA 1961 standards. Hose furnished under these specifications will have a potential service life and warranty of 10 years with a lifetime warranty against liner delamination, barring mistreatment that would render it unfit for service. Upon delivery, the hose shall be free from defects in materials and workmanship.

Jacket Construction

Double jacket hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler and ring spun polyester yarn in the warp of both the inside and outside jackets. Inside jackets manufactured from 100% filament polyester would not meet Hy-Flow minimum standards. The hose shall be resistant to most chemicals and petrol products, and resist deterioration due to exposure to UV rays and ozone. It shall not be affected by rot or mildew. Hy-Flow double jacket hose may be woven with a double tracer stripe for ease in identification and twist. The inside and outside jackets shall be manufactured with a minimum pick count of 11 picks per inch for increased strength and abrasion resistance. The inside jacket shall be manufactured using a reverse twill process to reduce friction loss. The inside jacket shall be manufactured on a circular loom in a clockwise direction and the outside jacket in a counter-clockwise direction. The hose must be of sufficient body and weight to meet the demands of fire fighting usage.

Abrasion

Hose assemblies shall be available with the special "Key-Lok" polyurethane based polymer impregnation for added abrasion resistance and ease in identification purposes. Impregnated hose shall meet the requirements of MIL-H-24606 latest edition for abrasion resistance. NFPA colors may be specified by the end-user. A double dip process for twice the abrasion resistance is available upon request.

Lining

The rubber lining shall be a single-ply extruded tube of synthetic high tensile EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics. Polyurethane tubes, SBR and/or PVC tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. The tube thickness shall be a minimum of .023". The adhesion between the tube and jacket shall meet a minimum requirement of 12 pounds on a 1 1/2" strip when tested in accordance to UL-19 standards. Minimum tensile strength requirements for the finished tube requirement shall be 1800 psi.

Couplings

Hy-Flow coupling options are as required by purchaser, expansion ring threaded, Storz clamp ring, etc.

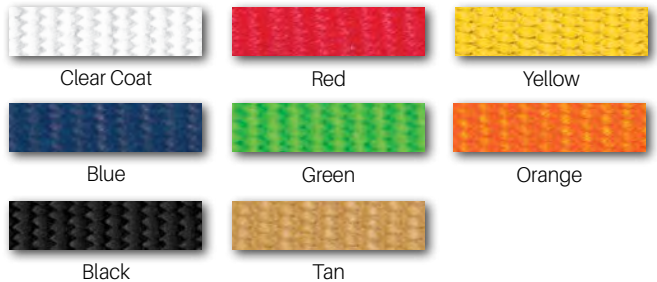
Performance

The minimum burst test pressure, when tested in accordance to NFPA 1961, on all Hy-Flow diameters up to 5" shall be 900 psi / 62 bar. Service test pressures stenciled on the hose shall be in accordance with current minimum requirements of NFPA 1962. Lengths available up to 100'.

Standards

Fire hose manufactured to this specification shall meet all performance requirements of NFPA 1961 and MIL-H-24606 latest edition for abrasion resistance.

Colors



NFPA colors available



Key Hose reserves the right to modify any specification without prior notice to meet or exceed changing standards. For more information please contact a Key Hose authorized distributor. 09/21

Key TRU-ID
Fire Hose Specification
TRU-ID Double Jacket 2 ½” Attack Hose

Scope:

Hose bid must meet current NFPA 1961 Standards. Hose manufactured to this specification shall be of superior quality and workmanship. The hose will withstand the rough usage of front line firefighting. Lengths available up to 100 feet

The hose must be manufactured, coupled and tested in the same facility. This allows the manufacturer to oversee the entire hose manufacturing process to assure an unmatched and reliable quality from procurement of premium quality raw materials, through twisting and weaving of yarns, liner and cover extrusion, jacket impregnation, hose assembly, curing/vulcanization, and coupling attachment process. The Manufacturer is defined for this specification as the one creating the hose by using all of these processes.

Fire Department will only accept hose that is manufactured, tested and coupled in the U.S.A.

Fire Department will not accept hose that is purchased from one manufacture and coupled by a second party. **(No Exception)**

A letter from the hose manufacture stating that their hose meets this specification must be submitted on company letterhead with each vendor's bid.

The hose will carry a 10 year warranty on the assembly with an additional lifetime liner delamination warranty. **(No Exception)**

A copy of the manufactures testing procedure and warranty must be submitted in writing with the formal quote. **(No Exception)**

Each vendor must submit the Manufacture, Model and inside diameter of the hose they are bidding. **(No Exception)**

The coupled length for the hose shall be 50ft per length. There will be an allowance of length variance per current NFPA 1961 standard of +4% to -2% of desired length of each coupled section.

The finished inside diameter of the TRU-ID 2 1/2 hose shall be 2.52” plus or minus 1.2% when measured according to UL-19 standards.

Jacket Construction:

Double jacket hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler and ring spun polyester yarn in the warp of both the inside and outside jackets.

The inside and outside jackets shall be manufactured with a minimum pick count of 9.5 picks per inch for increased strength and abrasion resistance.

The outer jacket must be coated with a polyurethane base impregnation and be highly abrasion resistant. Impregnated hose shall meet the current requirements of MIL-H-24606B for abrasion resistance.

Colors:

The attack hose shall be offered in Blue, Red, Green, Yellow, White, Tan, Orange, and Black. Tracer lines that identify the hose as a TRU-ID product shall be woven into the outside jacket at the provision of the manufacturer.

Lining:

The rubber lining shall 0.040” minimum and 0.050” maximum wall thickness extruded tube of synthetic EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics.

No reclaimed rubber shall be used. Plastic tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. The adhesion between the tube and jacket shall be a permanent bond and shall meet all UL-19 specifications.

Couplings:

Lightweight aluminum threaded couplings with 2 ½” NST threads. All couplings shall be made in the USA. The hose must fit a 2 13/16” bowel size coupling. Couplings shall be laser etched with TRU-ID. **(No Exception)**

Each vendor must submit the bowl size of the coupling that they are using on the 2 ½” hose that they are bidding. **(No Exception)**

Performance:

The service test pressure of hose made to this specification shall be 400 PSI. The proof test pressure shall be 800 PSI, and the burst test pressure of a 3ft. sample shall be at least 1200 PSI. At 600 PSI pressure, a 50 ft. hose shall not elongate more than 30 inches. The twist of the hose shall not exceed 2 right hand turns per 50 ft. nor shall it rise up from the test surface. The hose must resist kinking and be flexible at temperatures as low as –65F°.

The hose shall be resistant to most chemicals and petrol products, and resist deterioration due to exposure to UV-rays and ozone.

The hose shall not be affected by rot or mildew.

The hose must be of sufficient body and weight to meet the demands of heavy-duty firefighting usage. The 2 ½” hose shall weigh a minimum of .58 lbs. per foot uncoupled.

A letter from the hose manufacture stating the current co-efficient for their 2 1/2” hose that they are bidding must be submitted on company letterhead with each vendor’s bid. The testing procedure that was used to determine the co-efficient and all relevant documentation must also be submitted by the manufacture of the hose. **(No Exception)**

The following friction loss guidelines will be strictly adhered to in this specification.

265 G.P.M. NO MORE THAN 16 LBS. PER 100' COUPLED

Standards:

The fire hose manufactured to this specification shall meet and exceed all performance requirements of NFPA 1961 and MIL-H-24606B.

Abrasion Resistance:

A direct relationship to the safe performance of the fire hose. The UL abrasion test most closely resembles the fire ground use of fire hose and as such, is considered of prime importance. Hose meeting all of the abrasion resistance safety factors below shall do so without exceeding average weights. The hose shall pass a burst test after 5000 cycles on a reciprocating abrasion tester as specified in UL Standard 19.

Note: If the hose that has been delivered by the manufacture & vendor fails to meet these specifications, it will be the responsibility of that manufacture / vendor to pay for all shipping costs back to the hose manufacturing facility at no cost to the City, Town or Fire Department. **(No Exceptions)**

TRU-ID

FOR COMMAND AND CONTROL

Ideal for Low
Pressure Nozzles

Unmatchable
Kink Resistance

Featuring True
Internal Diameters

Less Water Weight
Reduces Fatigue

Robust Construction for
Superior Handling

MADE IN
USA



THIS IS KEY

A Combat Classic Reborn

From coast-to-coast, fire departments put out the call for an attack line that will deliver tried and true performance. A hose that will deliver targeted application rates with reduced kink, minimal nozzle whip and specific friction loss. Introducing TRU-ID, the first and only true internal diameter hose specifically designed for combat fire fighting. Classic performance in an innovative design and rugged construction guaranteed to withstand the rigors of the fire ground. Seize the power of targeted flows with command and control performance, specify TRU-ID.



ATTACK HOSE/HANDLINE

FOR COMMAND AND CONTROL



TRU-ID DOUBLE JACKET RUBBER LINED ATTACK HOSE

Lining

The rubber lining shall be a single-ply extruded tube of synthetic EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish with a minimum wall thickness of .040". No reclaimed rubber shall be used. Plastic tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. TRU-ID is constructed with an ultra smooth, heavy rubber liner to reduce friction loss. Tensile Strength, Ultimate Elongation and Adhesion: Shall meet the standards of Underwriters Laboratories, Inc. as well as all other properties of UL-19 for rubber lined hose. A valid UL/ULC Underwriters inspection procedure shall be in force.

Inside Diameter

The finished inside diameter of TRU-ID hose shall be 1.75", 2.25" and 2.50" respectively, with a tolerance of 1.2% when measured according to UL-19 standards.

Couplings

TRU-ID hose shall be coupled with 6061-T6 aluminum threaded couplings. TRU-ID mark shall appear on the coupling to identify the genuine TRU-ID assembly. Special threads or other custom features available upon request. Barcode recess available at additional charge.



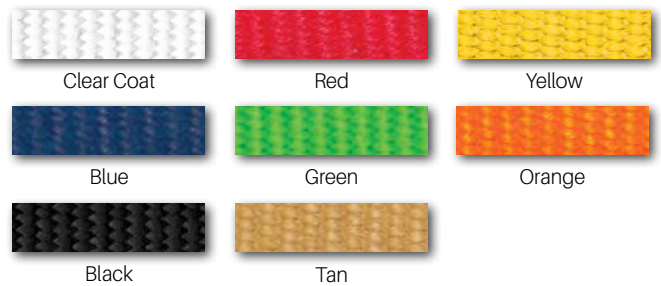
Performance

The minimum burst test pressure when tested in accordance to NFPA 1961 on all TRU-ID hose shall be 1200 psi / 82 bar. Service test pressures stenciled on the hose shall be in accordance with current minimum requirements of NFPA 1962.

Standards

Fire hose manufactured to this specification shall meet and exceed all performance requirements of NFPA 1961 and MIL-H-24606 latest edition standards.

Colors



NFPA colors available

Diameter	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight Uncoupled
1.75"	DP17-TRU	400 psi	800 psi	1200 psi	2.125"	0.44 lbs/ft
2.25"	DP22-TRU	400 psi	800 psi	1200 psi	2.6875"	0.56 lbs/ft
2.50"	DP25-TRU	400 psi	800 psi	1200 psi	2.8125"	0.56 lbs/ft

Targeted Flow Rates: 125-185 gpm (1.75") // 240-265 gpm (2.25") // 200-325 gpm (2.50")

*UL Listed

Scope

Hose manufactured to this specification shall be of superior quality and workmanship. The hose shall withstand the rough usage of front line fire fighting. Hose specified shall meet NFPA 1961 standards. Hose furnished under these specifications will have a potential service life and warranty of 10 years with a 1-year all hazards warranty, barring mistreatment that would render it unfit for service. Upon delivery, the hose shall be free from defects in materials and workmanship.

Jacket Construction

Double jacket hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler and ring spun polyester yarn in the warp of both the inside and outside jackets. Inside jackets manufactured from 100% filament polyester would not meet minimum standards. The hose shall be resistant to most chemicals and petrol products and resist deterioration due to exposure to UV rays and ozone. Hose shall not be affected by rot or mildew. The inside and outside jackets shall be manufactured with a minimum pick count of 9.5 picks per inch for increased strength and abrasion resistance. Specific tracer lines shall be woven into the outside jacket to visually identify a genuine TRU-ID hose. The hose must be of sufficient body and weight to meet the demands of heavy duty fire fighting usage.

Abrasion

Hose assemblies shall be treated with the special "Key-Lok" polyurethane based polymer impregnation for added abrasion resistance and ease in identification. Impregnated hose shall meet the requirements of MIL-H-24606 latest edition for abrasion resistance. NFPA colors may be specified by the end user. A double dip process for twice the abrasion resistance is available upon request.



Key Hose reserves the right to modify any specification without prior notice to meet or exceed changing standards. For more information please contact a Key Hose authorized distributor. 12/20

**Fire Department
Key Combat Ready Specification
Double Jacket 1 ¾” Attack Hose**

Scope:

Hose bid must meet current NFPA 1961 Standards. Hose manufactured to this specification shall be of superior quality and workmanship. The hose will withstand the rough usage of front line firefighting. Lengths available up to 75 feet.

Due to lack of verification of adherence to NFPA 1961, the Fire Department will only accept hose that is manufactured, coupled and tested in the U.S.A.

The hose must be manufactured, coupled and tested in the same facility. This allows the manufacturer to oversee the entire hose manufacturing process to assure an unmatched and reliable quality from procurement of premium quality raw materials, through twisting and weaving of yarns, liner and cover extrusion, jacket impregnation, hose assembly, curing/vulcanization, and coupling attachment process. The Manufacturer is defined for this specification as the one creating the hose by using all of these processes.

Fire Department will not accept hose that is purchased from one manufacture and coupled by a second party. **(No Exception)**

The hose will carry a 10 year warranty, plus a 1-year wear/tear warranty.

A copy of the manufactures hose specification, testing procedure and warranty must be submitted with the formal quote. **(No Exception)**

A letter from the hose manufacture stating that their hose meets this specification must be submitted on company letterhead with each vendor's bid.

Each vendor must submit the Manufacture, Model 111 and inside diameter of the hose they are bidding. **(No Exception)**

The inside diameter of the 1 ¾” hose shall be **1.88”**. **(No exception)**

Hose Construction:

This hose is designed specifically for aggressive fire attack operations. The outer jacket is woven from ring spun staple polyester yarns over an inner liner consisting of a one-piece extruded through-the-weave nitrile/PVC tube. Color or clear coat abrasion resistant process as a standard on the outer jacket.

Inner Liner Properties:

When the hose is tested in accordance with NFPA 1961, the liner or cover shall have the following properties:

Ultimate Tensile Strength shall not be less than 1200 PSI

Ultimate Elongation shall not be less than 400%

Accelerated Aging Test shall meet requirements of UL19 for accelerated aging.

Adhesion between reinforcement and liner shall be a minimum of 20 pounds.

Ozone Resistance:

The liner shall show no signs of visible cracking of the cover of liner when tested in accordance with ASTM D1149-91 and ASTM D518-86 (R91), Procedure B.

Chemical Resistance:

Exposure to seawater and contamination by most chemicals shall have no effect on the short or long term performance of the hose.

Color:

The hose must be available in the following colors, Red, Yellow, Green, Blue, Orange and White with a red & blue colored stripe woven into the outer jacket.

Couplings:

Lightweight aluminum threaded couplings with 1 ½” NST threads. All couplings shall be made in the USA. **(No Exception)**

Lightweight aluminum couplings shall have a bowl size of 2 ¼”.

(No Exception)

Performance:

The service test pressure of hose made to this specification shall be 500 PSI. The proof test pressure shall be 1000 PSI, and the burst test pressure of a 3ft. sample shall be at least 1500 PSI. At 600 PSI pressure, a 50 ft. hose shall not elongate more than 30 inches. The twist of the hose shall not exceed 2 right hand turns per 50 ft. nor shall it rise up from the test surface.

Cold Resistance: Hose shall be capable of safe use down to –50 degrees F. The hose shall have no apparent damage to cover reinforcement or lining when subjected to the following cold flexibility test: A 50 ft. length of dry hose is coiled and placed in a cold box at –50 degrees for 24 hours. Immediately upon removal from the cold box the hose will be uncoiled and laid out by one operator.

Water absorption: The tendency for a hose to absorb water while in a wet environment can create significant handling difficulties. When tested against the procedure listed in MIL-H-24606B, the maximum weight gain shall not exceed 3 lbs. per 50 foot length.

The hose shall not be affected by rot or mildew. The hose must be of sufficient body and weight to meet the demands of heavy-duty firefighting usage.

Flashover Resistance: Heat resistance is of the utmost importance when evaluating interior attack hose. This hose shall meet the safety factors for heat resistance without exceeding the normal fire hose weight. The hose shall be subjected to a static pressure of 100 PSI and be capable of withstanding a surface temperature of 1200 degrees F for a minimum of 30 seconds without bursting.

Abrasion Resistance: A direct relationship to the safe performance of the fire hose. The UL abrasion test most closely resembles the fire ground use of fire hose and as such, is considered of prime importance.

The hose shall pass a burst test after 5000 cycles on a reciprocating abrasion tester as specified in UL Standard 19.

A letter from the hose manufacture stating the current co-efficient for their 1 ¾” hose that they are bidding must be submitted on company letterhead with each vendor’s bid. The testing procedure that was used to determine the co-efficient and all relevant documentation must also be submitted by the manufacture of the hose. **(No Exception)**

The following friction loss guidelines will be strictly adhered to in this specification.

150 G.P.M. NO MORE THAN 18 LBS. PER 100’ COUPLED

185 G.P.M. NO MORE THAN 25 LBS. PER 100’ COUPLED

210 G.P.M. NO MORE THAN 32 LBS. PER 100’ COUPLED

Standards:

The fire hose manufactured to this specification shall meet and exceed all performance requirements of NFPA 1961 and MIL-H-24606B.

If the hose that has been delivered by the manufacture & vendor fails to meet these specifications, it will be the responsibility of that manufacture / vendor to pay for all shipping costs back to the hose manufacturing facility at no cost to the City or Town of or the Fire Department. **(No Exceptions)**

COMBAT READY

THE BEST ATTACK HOSE, GUARANTEED

MADE IN
USA



THIS IS KEY

Combat Ready is the double jacket attack line engineered from the inside out — delivering it all, higher flows, superior heat and abrasion resistance and increased durability. Combat Ready combines ring spun polyester staple fibers over an inner lining consisting of a one-piece extruded through-the-weave nitrile/PVC tube — making the tube, jacket liner and cover one complete assembly. This legendary through-the-weave design reduces friction loss while providing unmatched kink resistance. Designed for low pressure high volume nozzles, Combat Ready offers high flow capabilities to combat the most aggressive attack situations. The outer jacket is available with double dip “Key-Lok” polyurethane based polymer impregnation for enhanced abrasion and moisture resistance. Features a 10-year warranty, which includes a 1-year all hazards warranty.

KEY HOSE

DOUBLE JACKET ATTACK HOSE



THE BEST

ATTACK HOSE

COMBAT READY

DOUBLE JACKET ATTACK HOSE

Diameter	Part No.	Service Test	Proof Test	Coefficient of Flow	Bowl Size	Weight Uncoupled
1 3/4"	DP17-1000	500 psi	1000 psi	6.59	2 1/4"	0.38 lbs/ft
2"	DP20-1000	500 psi	1000 psi	4.13	2 2/5"	0.44 lbs/ft
2 1/2"	DP25-1000	500 psi	1000 psi	1.8	3"	0.52 lbs/ft

*Coefficient of flow of 4.13 is attained when using 2 1/2" coupling.
The 1 1/2" coupling option has a 5.25 coefficient of flow.

Hose Construction

This hose is designed specifically for aggressive fire attack operations. The outer jacket is woven from ring spun staple polyester yarns over an inner liner consisting of a one-piece extruded through-the-weave nitrile/PVC tube. Color or clear coat abrasion resistant "Key-Lok" process is standard. Combat Ready is manufactured in a high-visibility fashion with two red and two blue stripes running the length of the hose. This heat, abrasion and kink resistant hose shall have superior friction loss characteristics. Lengths available up to 75'. Warranty: Hose shall carry a 10-year written warranty, which includes a 1-year all hazards warranty.

Inner Hose Properties

When the hose is tested in accordance with NFPA 1961, the liner shall have the following properties:

Ultimate Tensile Strength - Shall not be less than 1200 psi.

Ultimate Elongation - Shall not be less than 200%.

Accelerated Aging Test - Shall meet requirements of UL19 for accelerated aging.

Adhesion - Between reinforcement and liner shall be a minimum of 20 pounds.

Ozone Resistance - Shall show no signs of visible cracking of the cover of liner when tested in accordance with ASTM D1149-91 and ASTM D518-86 (R91), Procedure B.

Chemical Resistance - Exposure to seawater and contamination by most chemicals will have no effect on the short or long term performance of the hose.

Safety Factors

Abrasion Resistance - A direct relationship to the safe performance of the fire hose. The UL abrasion test most closely resembles the fire ground use of fire hose and as such, is considered of prime importance. Hose meeting all of the abrasion resistance safety factors below shall do so without exceeding average weights.

UL Abrasion - The hose shall pass a burst test after 5000 cycles on a reciprocating abrasion tester - as specified in UL Standard 19.

Cold Resistance Safety Factor - Hose shall be capable of safe use down to -35 °F. The hose shall have no apparent damage to cover reinforcement or lining when subjected to the following cold flexibility test: a 50' length of dry hose is coiled and placed in a cold box at -65 °F for a duration of 24 hours. Immediately after removal of the hose from the box, hose should be uncoiled and laid out by one operator.

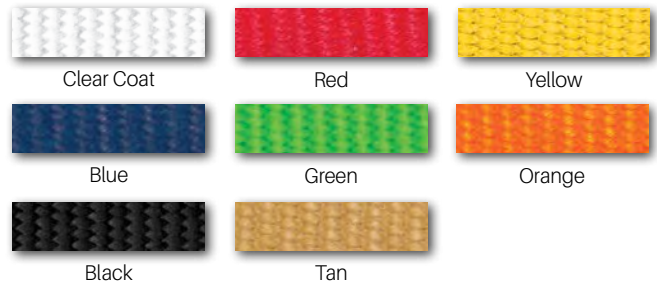
Flashover Resistance Safety Factor - Heat resistance is of the utmost importance when evaluating interior attack hose. This hose shall meet the safety factors for heat resistance without exceeding the normal fire hose weight.

Water Pick-up Weight - The tendency for a hose to absorb water while in a wet environment can create significant handling difficulties. When tested against the procedure listed in MIL-H-24606 latest edition, the maximum weight gain shall not exceed 3 pounds per 50' length.

Couplings

Combat Ready shall be supplied with aluminum 6061-T6 USA manufactured couplings. Knurled couplings, 2" x 2 1/2" and other custom features available upon special request. Barcode recess available at additional charge.

Colors



NFPA colors available



Key Hose reserves the right to modify any specification without prior notice to meet or exceed changing standards. For more information please contact a Key Hose authorized distributor. 12/20

**Key Big 10 FDNY
Fire Hose Specification
Double Jacket 1 ¾” Attack Hose**

Scope:

Hose bid must meet current NFPA 1961 Standards. Hose manufactured to this specification shall be of superior quality and workmanship. The hose will withstand the rough usage of front line fire fighting. Lengths available up to 100 feet.

Due to lack of verification of adherence to NFPA 1961, the Fire Department will only accept hose that is manufactured, coupled and tested in the U.S.A.

The hose must be manufactured, coupled and tested in the same facility. This allows the manufacturer to oversee the entire hose manufacturing process to assure an unmatched and reliable quality from procurement of premium quality raw materials, through twisting and weaving of yarns, liner and cover extrusion, jacket impregnation, hose assembly, curing/vulcanization, and coupling attachment process. The Manufacturer is defined for this specification as the one creating the hose by using all of these processes.

Fire Department will not accept hose that is purchased from one manufacture and coupled by a second party. **(No Exception)**

The hose will carry a 10 year warranty on the assembly with an additional lifetime liner delamination warranty. **(No Exception)**

A copy of the manufactures hose specification, testing procedure and warranty must be submitted with the formal quote. **(No Exception)**

Each vendor must submit the Manufacture, Model and Inside Diameter of the hose they are bidding. **(No Exception)**

Each vendor that is submitting a bid, shall submit in writing a letter from the hose manufacture that the hose they are bidding has been approved by FDNY and meets current FDNY 1 ¾” Hose Specification. **(No Exception)**

A letter from the hose manufacture stating that their hose meets this specification must be submitted on company letterhead with each vendor’s bid.

Jacket Construction:

Double jacket hose manufactured to this specification shall be tightly woven from ring spun polyester yarn in the inner and outer jackets. The weft shall be constructed of virgin filament polyester.

The outer jacket must be coated with a polyurethane base impregnation and be highly abrasion resistant. Impregnated hose shall meet the current requirements of MIL-H-24606B for abrasion resistance.

Lining:

The rubber lining shall 0.040” minimum wall thickness extruded tube of synthetic EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish for better flow characteristics. No reclaimed rubber shall be used. Plastic tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. The adhesion between the tube and jacket shall be a permanent bond and shall meet all UL-19 specifications.

Color:

The color for the 1 ¾” attack hose shall be offered in Blue, Red, Green, Yellow, White, Tan and Orange with colored impregnated stripes.

Couplings:

Lightweight aluminum threaded couplings with 1 ½” NST threads. All couplings shall be made in the USA. **(No Exceptions)**

Each vendor must submit the bowl size of the coupling that they are using on the hose that they are bidding. **(No Exception)**

Performance:

The service test pressure of hose made to this specification shall be 400 PSI. The proof test pressure shall be 800 PSI. The minimum burst test pressure, when tested in accordance to NFPA 1961, shall be 1200 PSI/82 Bar. At 600 PSI pressure, a 50 ft. hose shall not elongate more than 30 inches. The twist of the hose shall not exceed 2 right hand turns per 50 ft. nor shall it rise up from the test surface. The hose must resist kinking and be flexible at temperatures as low as -65F°.

The hose shall be resistant to most chemicals and petroleum products, and resist deterioration due to exposure to UV-rays and ozone.

The hose shall not be affected by rot or mildew.

A letter from the hose manufacture stating the current co-efficient for their 1 3/4" hose that they are bidding must be submitted on company letterhead with each vendor's bid. The testing procedure that was used to determine the co-efficient and all relevant documentation must also be submitted by the manufacture of the hose.

(No Exception)

The following friction loss guidelines will be strictly adhered to in this specification.

150 G.P.M. NO MORE THAN 22 LBS. PER 100' COUPLED

185 G.P.M. NO MORE THAN 28 LBS. PER 100' COUPLED

210 G.P.M. NO MORE THAN 35 LBS. PER 100' COUPLED

Standards:

The fire hose manufactured to this specification shall meet and exceed all performance requirements of NFPA 1961 and MIL-H-24606B.

If the hose that has been delivered by the manufacture & vendor fails to meet these specifications, it will be the responsibility of that manufacture / vendor to pay for

all shipping costs back to the hose manufacturing facility at no cost to the City or town or the Fire Department. **(No Exception)**

BIG-100

HEAVY DUTY RUBBER LINED FIRE HOSE

MADE IN
USA



THIS IS **KEY**

The standard in double jacket construction, combining 100% premium ring spun and filament polyester fibers over a heavy wall, ozone resistant, EPDM rubber liner. The outer jacket is mildew resistant and available with our iconic "Key-Lok" polyurethane based polymer impregnation for maximum abrasion and moisture resistance. Rugged, easy to handle and preferred by metro cities across the US and Canada — available in exclusive FDNY Spec with 1.88" inside diameter and heavier construction with a 1-year all hazards warranty. This reliable, double jacket fire hose is UL Listed*, tested to 600 and 800 psi and meets MIL-H-24606 latest edition for abrasion resistance. Features a 10-year warranty and lifetime liner delamination guarantee.



DOUBLE JACKET ATTACK HOSE



RUBBER LINED ATTACK HOSE

BIG-10

HEAVY DUTY DOUBLE JACKET RUBBER LINED ATTACK HOSE

Abrasion

Hose assemblies shall be available with the special "Key-Lok" polyurethane based polymer impregnation for added abrasion resistance and ease in identification purposes. Impregnated hose shall meet the requirements of MIL-H-24606 latest edition for abrasion resistance. NFPA colors may be specified by the end-user. A double dip process for twice the abrasion resistance is available upon request.

Lining

The rubber lining shall be a single-ply extruded tube of synthetic EPDM compounded to resist ozone. The finished form shall be free of pits or other imperfections and have a smooth finish with a minimum wall thickness of .040". No reclaimed rubber shall be used. Plastic tubes that sacrifice durability of the hose life for the sake of weight are not acceptable. FDNY Lining is constructed with an ultra smooth oversized rubber liner to reduce friction loss. Tensile Strength, Ultimate Elongation and Adhesion: Shall meet the standards of Underwriters Laboratories, Inc. as well as all other properties of UL-19 for rubber lined hose. A valid UL/ULC Underwriters inspection procedure shall be in force.

Couplings

Big-10 can be coupled with 6061-T6 aluminum threaded couplings or forged Storz. Special threads or other custom features available upon request. Barcode recess available at additional charge.

Performance

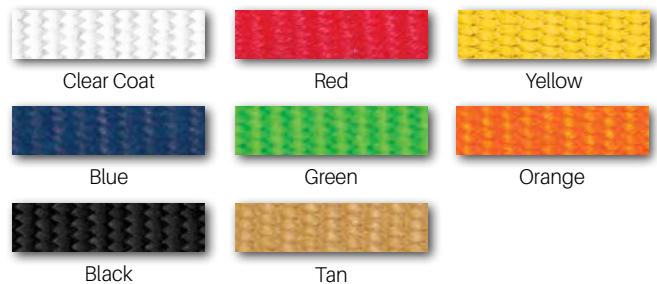
The minimum burst test pressure, when tested in accordance to NFPA 1961, on all Big-10 diameters up to 3" shall be 1200 psi / 82 bar. Minimum burst test requirements for 3 1/2" diameter shall be 900 psi / 62 bar. Service test pressures stenciled on the hose shall be in accordance with current minimum requirements of NFPA 1962.

*A valid UL/ULC Underwriters 600 psi / 41 bar - 800 psi / 55 bar listing shall be in force. Lengths available up to 100'.

Standards

Fire hose manufactured to this specification shall meet or exceed all performance requirements of NFPA 1961, Underwriters Laboratories and MIL-H-24606 latest edition for abrasion resistance.

Colors



Diameter	Part No.	Service Test	Proof Test	Burst Test	Bowl Size	Weight Uncoupled
1"	DP10-800	400 psi	800 psi	1200 psi	1 3/8"	0.14 lbs/ft
*1 1/2"	DP15-800	400 psi	800 psi	1200 psi	1 15/16"	0.34 lbs/ft
*1 3/4"	DP17-800	400 psi	800 psi	1200 psi	2 1/8"	0.38 lbs/ft
1 3/4" FDNY	DP18-800-FDNY	400 psi	800 psi	1200 psi	2 1/4"	0.42 lbs/ft
*2"	DP20-800	400 psi	800 psi	1200 psi	2 2/5"	0.39 lbs/ft
*2 1/2"	DP25-800	400 psi	800 psi	1200 psi	3"	0.54 lbs/ft
*3"	DP30-800	400 psi	800 psi	1200 psi	3 1/2"	0.74 lbs/ft
*3 1/2"	DP35-600	300 psi	600 psi	900 psi	4 5/16"	0.90 lbs/ft

*UL Listed

Scope

Hose manufactured to this specification shall be of superior quality and workmanship. The hose shall withstand the rough usage of front line fire fighting. Hose specified shall meet NFPA 1961 standards. Hose furnished under these specifications will have a potential service life and warranty of 10 years with a lifetime warranty against liner delamination, barring mistreatment that would render it unfit for service. FDNY Spec hose also carries a 1-year all hazards warranty. Upon delivery, the hose shall be free from defects in materials and workmanship.

Jacket Construction

Double jacket hose manufactured to this specification shall be tightly woven with filament polyester yarn in the filler and ring spun polyester yarn in the warp of both the inside and outside jackets. Inside jackets manufactured from 100% filament polyester would not meet Big-10 minimum standards. The hose shall be resistant to most chemicals and petrol products, and resist deterioration due to exposure to UV rays and ozone. It shall not be affected by rot or mildew. The inside and outside jackets shall be manufactured with a minimum pick count of 9.5 picks per inch for increased strength and abrasion resistance. The inside jacket shall be manufactured using a reverse twill process to reduce friction loss. The inside jacket shall be manufactured on a circular loom in a clockwise direction and the outside jacket in a counter-clockwise direction. The hose must be of sufficient body and weight to meet the demands of heavy-duty fire fighting usage.



Key Hose reserves the right to modify any specification without prior notice to meet or exceed changing standards. For more information please contact a Key Hose authorized distributor. 12/21