



City of Rocky Mount

Energy Resources

Invitation for Bid #: 320-211221RP RE-BID

Electric Transformers

Date Issued: 1/28/2022

Bid Opening Date: 2/10/2022

At 04:00 PM ET

Direct all inquiries concerning this IFB to the Purchasing Office:

Ramona Plemmer

Senior Purchasing Technician

Email: ramona.plemmer@rockymountnc.gov

Phone: 252-972-1226



CITY OF ROCKY MOUNT

Invitation for Bids # 320- 211221RP RE-BID

For purchasing division processing, please provide your company's Federal Employer Identification Number or alternate identification number (e.g. Social Security Number). Pursuant to North Carolina General Statute 132-1.10(b) this identification number shall not be released to the public. **This section will be removed and shredded, or otherwise kept confidential**, before the procurement file is made available for public inspection.

**This page shall be filled out and returned with your bid.
Failure to do so shall be sufficient cause to reject your bid.**

ID Number:

Federal ID Number or Social Security Number

Vendor Name

Sealed, mailed responses ONLY will be accepted for this solicitation.



City of Rocky Mount Energy Resources/Electric Division

Refer <u>ALL</u> Inquiries regarding this IFB to: Ramona Plemmer Sr. Purchasing Technician	Invitation for Bids # 320-211221RP (REBID) Bids will be publicly opened: 2/10/2022 4:00 pm Contract Type: Purchase
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EXECUTION

In compliance with this Invitation for Bids, and subject to all the conditions herein, the undersigned Vendor offers and agrees to furnish and deliver any or all items upon which prices are bid, at the prices set opposite each item within the time specified herein. By executing this bid, the undersigned Vendor certifies that this bid is submitted competitively and without collusion (G.S. 143-54), that none of its officers, directors, or owners of an unincorporated business entity has been convicted of any violations of Chapter 78A of the General Statutes, the Securities Act of 1933, or the Securities Exchange Act of 1934 (G.S. 143-59.2), and that it is not an ineligible Vendor as set forth in G.S. 143-59.1. False certification is a Class I felony. Furthermore, by executing this bid, the undersigned certifies to the best of Vendor's knowledge and belief, that it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal or State department or Department. As required by G.S. 143-48.5, the undersigned Vendor certifies that it, and each of its sub-Contractors for any Contract awarded as a result of this IFB, complies with the requirements of Article 2 of Chapter 64 of the NC General Statutes, including the requirement for each employer with more than 25 employees in North Carolina to verify the work authorization of its employees through the federal E-Verify system. G.S. 133-32 and Executive Order 24 (2009) prohibit the offer to, or acceptance by, any City Employee associated with the preparing plans, specifications, estimates for public Contract; or awarding or administering public Contracts; or inspecting or supervising delivery of the public Contract of any gift from anyone with a Contract with the City, or from any person seeking to do business with the City. By execution of this bid response to the IFB, the undersigned certifies, for Vendor's entire organization and its employees or agents, that Vendor are not aware that any such gift has been offered, accepted, or promised by any employees or agents of Vendor's organization. **Do you have a financial interest or tangible personal benefit with a city of Rocky Mount employee, officer, or agent?** Yes No **If yes note the employee, officer, or agent; department; and the perceived or actual conflict of interest.**

Failure to execute/sign bid prior to submittal shall render bid invalid and it WILL BE REJECTED. Late bids cannot be accepted.

COMPLETE/FORMAL NAME OF VENDOR:		
STREET ADDRESS:	P.O. BOX:	ZIP:
CITY & STATE & ZIP:	TELEPHONE NUMBER:	TOLL FREE TEL. NO:
PRINCIPAL PLACE OF BUSINESS ADDRESS IF DIFFERENT FROM ABOVE (SEE INSTRUCTIONS TO VENDORS ITEM #12):		
PRINT NAME & TITLE OF PERSON SIGNING ON BEHALF OF VENDOR:	FAX NUMBER:	
VENDOR'S AUTHORIZED SIGNATURE*:	DATE:	EMAIL:

Offer valid for at least 60 days from date of bid opening, unless otherwise stated here: days.

ACCEPTANCE OF BID

If any or all parts of this bid are accepted by the City of Rocky Mount, an authorized representative of City of Rocky Mount Purchasing Office shall affix his/her signature hereto and this document and all provisions of this Invitation for Bid along with the Vendor bid response and the written results of any negotiations shall then constitute the written agreement between the parties. A copy of this acceptance will be forwarded to the successful Vendor(s).

<u>FOR CITY USE ONLY:</u> Offer accept, and Contract awarded this \$ _____ day of _____, 20__ as indicated on the attached certification, by _____ Purchasing Manager.
<u>PRE-AUDIT:</u> This instrument has been preaudited in the manner required by the Budget and Fiscal Control Act.
_____ Finance Director Date

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1.0 PURPOSE AND BACKGROUND

The Electric Distribution Division is responsible for the construction, operation and maintenance of the city’s electric distribution system to provide safe, efficient, effective delivery of reliable electric service to our customers.

The City of Rocky Mount is seeking bids from qualified vendors to provide the transformers as referenced in this document.

Bids shall be submitted in accordance with the terms and conditions of this IFB and any addenda issued hereto.

2.0 GENERAL INFORMATION

2.1 INVITATION FOR BIDS DOCUMENT

The IFB is comprised of the base IFB document, any attachments, and any addenda released before Contract award. All attachments and addenda released for this IFB in advance of any Contract award are incorporated herein by reference.

2.2 NOTICE TO VENDORS REGARDING IFB TERMS AND CONDITIONS

It shall be the Vendor’s responsibility to read the Instructions, the Cities’ terms and conditions, all relevant exhibits and attachments, and any other components made a part of this IFB and comply with all requirements and specifications herein. Vendors are also responsible for obtaining and complying with all Addenda and other changes that may be issued concerning this IFB.

If Vendors have questions, issues, or exceptions regarding any term, condition, or other component within this IFB (including proposed alternate language), those **must** be submitted as questions in accordance with the instructions in Section 2.4. BID QUESTIONS. If the City determines that any changes will be made resulting from the questions asked, then such decisions will be communicated in the form of an IFB addendum. The City may also elect to leave open the possibility for post-contract negotiation and amendment of specific provisions of the Contract that have been addressed during the question and answer period. Other than through this process, the City rejects and will not be required to evaluate or consider any additional or modified terms and conditions submitted with Vendor’s bid. This applies to any language appearing in or attached to the document as part of the Vendor’s bid that purports to vary any terms and conditions or Vendors’ instructions herein or to render the bid non-binding or subject to further negotiation. *Vendor’s bid shall constitute a firm offer.* **By execution and delivery of a bid in response to this IFB, the Vendor agrees that any additional or modified terms and conditions, whether submitted purposefully or inadvertently, shall have no force or effect, and will be disregarded. Noncompliance with, or any attempt to alter or delete, this paragraph shall constitute sufficient grounds to reject Vendor’s bid as nonresponsive. Any bid that contains language that indicates the bid is non-binding or subject to further negotiation before a contractual document may be signed shall be rejected.**

Contact with anyone working for or with the City regarding this IFB other than the City of Rocky Mount Purchasing Office Contract Lead named on the face page of this IFB or in the manner specified by this IFB shall constitute grounds for rejection of said Vendor’s offer, at the Cities election.

2.3 IFB SCHEDULE

The table below shows the *intended* schedule for this IFB. The City will make every effort to adhere to this schedule.

Event	Responsibility	Date and Time
Issue IFB	City	Friday 1/28/22
Submit Written Questions	Vendor	Tuesday 2/1/22
Provide Responses to Questions	City	Thursday 2/3/22
Submit Bids	Vendor	Thursday 2/10/22 4:00 P.M.
Award	City	TBD

2.4 BID QUESTIONS

Upon review of the IFB documents, Vendors may have questions to clarify or interpret the IFB in order to submit the best bid possible. To accommodate the Bid Questions process, Vendors shall submit any such questions by the above due date.

Written questions shall be e-mailed to ramona.plemmer@rockymountnc.gov by the date and time specified above. Vendors will enter “IFB #320-211221RP Re-Bid – Questions” as the subject for the email. Questions submittals will include a reference to the applicable IFB section and be submitted in a format shown below:

Reference	Vendor Question
IFB Section, Page Number	Vendor question ...?

Questions received prior to the submission deadline date, the City’s response, and any additional terms deemed necessary by the City will be posted in the form of an addendum to the City of Rocky Mount Purchasing bid webpage <http://www.rockymountnc.gov/services-finance/bids> and/or Interactive Purchasing System (IPS), <http://www.ips.state.nc.us>, and shall become an Addendum to this IFB. No information, instruction or advice provided orally or informally by any City personnel, whether made in response to a question or otherwise concerning this IFB, shall be considered authoritative or binding. Vendors shall rely *only* on written material contained in an Addendum to this IFB.

2.5 BID SUBMITTAL

If applicable to this IFB, sealed bids, subject to the conditions made a part hereof and the submission requirements described below, shall be delivered to the physical address indicated in the table below, for furnishing and delivering those items or Services as described herein.

Vendors shall deliver to the address identified in the table above: **one (1) paper, and one (1) photocopy.**

All bids shall be submitted in a sealed envelope. Clearly mark each package with: (1) Vendor name; (2) the IFB number; and (3) the due date. Address the package(s) for delivery as shown in the table, below. If Vendor is submitting more than one bid, each bid shall be submitted in separate sealed envelope and marked accordingly. For delivery purposes, separate sealed bids from a single Vendor may be included in the same outer package. Do not include bids for more than one solicitation in the same package.

MAILING ADDRESS FOR DELIVERY OF BID VIA U.S. POSTAL SERVICE	OFFICE ADDRESS FOR DELIVERY BY ANY OTHER MEANS, SPECIAL DELIVERY, HAND DELIVERY, OVERNIGHT DELIVERY OR BY ANY OTHER CARRIER
BID NUMBER: 320-211221RP Re-Bid Attn: Ramona Plemmer City of Rocky Mount PO BOX 1180 Rocky Mount, NC 27802-1180	BID NUMBER: 320-211221RP Re-Bid Attn: Ramona Plemmer City of Rocky Mount 331 Franklin Street Rocky Mount, NC 27802-1180

All Vendors are urged to take the possibility of delay into account when submitting a bid. **Attempts to submit a bid via facsimile (FAX) machine, telephone or e-mail, in response to this IFB shall NOT be accepted.**

Failure to submit a bid in strict accordance with these instructions shall constitute sufficient cause to reject a Vendor’s bid(s).

Critical updated information may be included in Addenda to this IFB. It is important that all Vendors bidding on this IFB periodically check the City’s IPS website for any Addenda that may be issued prior to the bid opening date. All Vendors shall be deemed to have read and understood all information in this IFB and all Addenda thereto.

Contact with anyone working for or with the City of Rocky Mount regarding this IFB other than the City of Rocky Mount Purchasing Office Contract Lead named on the face page of this IFB in the manner specified by this IFB shall constitute grounds for rejection of said Vendor's offer, at the City of Rocky Mount Purchasing Office election.

Bid Opening:

Bids will be opened and read aloud at the Frederick E. Turnage Administrative Services Complex, first floor atrium, 331 South Franklin Street, Rocky Mount, North Carolina 27804 at the date and time specified on the cover sheet and RFP schedule.

2.6 BID CONTENTS

Vendors shall populate all attachments of this IFB that require the Vendor to provide information and shall include an authorized signature where requested. Vendor response to this IFB shall include each of the following items and these items should be arranged in the following order:

- a) Completed and signed version of EXECUTION PAGE, along with the body of the IFB and signed receipt pages of any addenda released in conjunction with this IFB (if required to be returned).
- b) Completed version of ATTACHMENT A: PRICING FORM
- c) ATTACHMENT B: ACCEPTANCE OF GENERAL TERMS AND CONDITIONS
- d) ATTACHMENT C: SUPPLEMENTAL VENDOR INFORMATION
- e) ATTACHMENT D: METHOD OF AWARD/TRANSFORMER OWNERSHIP FORMULA

2.7 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

- a) **BUYER:** The employee of the City or Other Eligible Entity that places an order with the Vendor.
- b) **CITY:** The City of Rocky Mount personnel associated with this solicitation and the Purchasing Office.
- c) **CONTRACT LEAD:** Representative the City of Rocky Mount Purchasing Office identified on the first page of this IFB who will correspond with potential Vendors concerning solicitation issues and will contract with the Vendor providing the best offer to the City and is the individual who will administer The Contract for the City.
- d) **FOB-DESTINATION:** Title changes hand from Vendor to purchaser at the destination point of the shipment; Vendor owns commodity in transit and files any claims, and Vendor pays all freight and any related transportation charges. A solicitation may request a Vendor to separately identify freight charges in its bid, but no amount or charge not included as part of the total bid price will be paid.
- e) **IFB:** Invitation for Bids.
- f) **LOT:** A grouping of similar products within this IFB.
- g) **ON-TIME DELIVERY:** The delivery of all items within a single order to the receiving point designated by the ordering entity within the delivery time required.
- h) **QUALIFIED BID:** A responsive bid submitted by a responsible Vendor.
- i) **THE CONTRACT:** A contract resulting from or arising out of Vendor responses to this solicitation document.
- j) **VENDOR:** Supplier, bidder, proposer, company, firm, corporation, partnership, individual or other entity submitting a response to an Invitation for Bids. Following award of a contract, the term refers to an entity receiving such an award.

3.0 METHOD OF AWARD AND BID EVALUATION PROCESS

3.1 METHOD OF AWARD

Transformers are evaluated for total operating/ownership cost and for adherence to specifications. This provides a net present value for the cost of operating a transformer over a 30-year lifespan. The TOC is unit cost + \$2.487 * (no load losses in watts) + \$0.43 * (load losses in watts). Review ATTACHMENT D for the TOC evaluation process.

While the intent of this IFB is to award a Contract(s) to a single Vendor for all line, the City reserves the right to make separate awards to different Vendors for one or more line items, to not award any portion of the goods or services or to cancel this IFB in its entirety without awarding a contract, if it is considered to be most advantageous to the City to do so.

The City reserves the right to waive any minor informality or technicality in bids received.

Local Preference Policy. *The only exception to the lowest responsive, responsible bidder method of award will be the local preference policy. The preference will allow an Eligible Local Bidder to match the price and terms of the lowest responsive, responsible bidder who is a Non-Local Bidder, if the Eligible Local Bidder's price is within five percent (5%) or \$25,000, whichever is less, of the lowest responsive, responsible Non-Local Bidder's price. An eligible local vendor is one that is current on property taxes in the City of Rocky Mount and meets the qualifications set forth in the policy. An application can be found at <https://rockymountnc.gov/services-finance-vendor-registration/>*

3.2 CONFIDENTIALITY AND PROHIBITED COMMUNICATIONS DURING EVALUATION

During the evaluation period—from the date bids are opened through the date the contract is awarded—each Vendor submitting a bid (including its representatives, sub-contractors and/or suppliers) is prohibited from having any communications with any person inside or outside the using Department, issuing department, other City department, or body (including the purchaser named above, division secretary, members of the City Council and/or City Manager's office), or private entity, if the communication refers or relates to the content of Vendor's bid or qualifications, the contents of another Vendor's bid, another Vendor's qualifications or ability to perform the contract, or the transmittal of any other communication of information that could be reasonably considered to have the effect of directly or indirectly influencing the evaluation of bids or the award of the contract. A Vendor not in compliance with this provision shall be disqualified from contract award, unless the City makes a written determination, in its discretion, that the communication was harmless, that it was made without intent to influence and that the best interest of the City would not be served by the disqualification. If a Vendor, its sub-contractor or supplier engage in any of the foregoing communications during the time that the solicitation is open (i.e., the issuance date of the procurement to the date of bid opening), such conduct shall constitute sufficient cause to disqualify the Vendor's bid. Only those discussions, communications or transmittals of information authorized or initiated by the issuing Department for this IFB or general inquiries directed to the Purchasing Office Contract Lead named in the IFB and regarding requirements of the IFB (prior to bid submission) or the status of the contract award (after submission) are excepted from this provision.

3.3 INTERPRETATION OF TERMS AND PHRASES

This Invitation for Bids serves two functions: (1) to advise potential Vendors of the parameters of the solution being sought by the Department; and (2) to provide (together with other specified documents) the terms of the Contract that results from this procurement. As such, all terms in the Invitation for Bids shall be enforceable as contract terms in accordance with the General Contract Terms and Conditions. The use of phrases such as "shall," "must," and "requirements" are intended to create enforceable contract conditions. In determining whether bids should be evaluated or rejected, the Department will take into consideration the degree to which Vendors have proposed or failed to propose solutions that will satisfy the Department's needs as described in the Invitation for Bids. Except as specifically stated in the Invitation for Bids, no one requirement shall automatically disqualify a Vendor from consideration. However, failure to comply with any single requirement, if determined to be essential under the circumstances then existing, may result in the Department exercising its discretion to reject a bid in its entirety.

4.0 REQUIREMENTS

This Section lists the requirements related to this IFB. By submitting a bid, the Vendor agrees to meet all stated requirements in this Section as well as any other specifications, requirements and terms and conditions stated in this IFB. If a Vendor is unclear about a requirement or specification or believes a change to a requirement would allow for the City to receive a better bid, the Vendor is urged and cautioned to submit these items in the form of a question during the question and answer period in accordance with Section 2.4.

4.1 PRICING

Bid price shall constitute the total cost to the City for delivery fully assembled and ready for use, including all applicable charges for shipping, delivery, handling, administrative and other similar fees. Vendor shall not invoice for any amounts not specifically allowed for in this IFB. Complete ATTACHMENT A: PRICING FORM and include in Bid.

4.2 INVOICES

- a) The Vendor must submit one monthly invoice within fifteen (15) calendar days following the end of each month in which work was performed.
- b) Invoices must be submitted to the following address: City of Rocky Mount Attn: Accounts Payable
PO BOX 1180
Rocky Mount, NC 27802
- c) Payment amounts will be made on a NET 30 day pay period upon submission of an invoice and appropriate trip tickets to support such invoice.

4.3 MINORITY BUSINESS PARTICIPATION

The Bidder has the responsibility to make a good faith effort to solicit minority proposals and to attain the aspirational ten percent (10%) goal. We encourage all Bidders even MWBE/HUBs to obtain the aspirational goal where sub-contracting and supplier opportunities exist. Use the table below to note the MWBE businesses that will be used as suppliers or subcontractors for this contract.

MWBE FIRM	OWNERSHIP STATUS	ADDRESS	WORK TYPE

If the goal of 10% participation by HUB Certified or minority businesses is not achieved, the Bidder shall provide the following documentation to the City of his/her good faith efforts:

Examples of documentation that may be required to demonstrate the Bidder's good faith efforts to meet the goals set forth in these provisions include, but are not necessarily limited to, the following:

- a) Copies of solicitations for quotes to at least three (3) minority business firms from the source list provided by the State for each subcontract to be let under this contract (if 3 or more firms are shown on the source list). Each solicitation shall contain a specific description of the work to be subcontracted, location where bid documents can be reviewed, representative of the Prime Bidder to contact, and location, date and time when quotes must be received.
- b) Copies of quotes or responses received from each MWBE responding to the solicitation.
- c) A telephone log of follow-up calls to each firm sent a solicitation.
- d) For subcontracts where a minority business is not considered the lowest responsible sub-bidder, copies of quotes received from all firms submitting quotes for that particular subcontract.
- e) Documentation of any contacts or correspondence to minority business, community, or contractor organizations in an attempt to meet the goal.
- f) Copy of pre-bid roster
- g) Letter documenting efforts to provide assistance in obtaining required bonding or insurance for minority business.
- h) Letter detailing reasons for rejection of minority business.

- i) Letter documenting proposed assistance offered to minority business in need of equipment, loan capital, lines of credit, or joint pay agreements to secure loans, supplies, or letter of credit, including waiving credit that is ordinarily required.

***Failure to provide the documentation as listed in these provisions may result in a non-responsive bid.**

4.4 PRODUCT IDENTIFICATION

SUITABILITY FOR INTENDED USE

Vendors are requested to offer only comparable items which will provide the equivalent capabilities, features and diversity called for herein. The City reserves the right to evaluate all bids for suitability for the required use and to award the one best meeting requirements and considered to be in the City's best interest.

4.5 TRANSPORTATION AND IDENTIFICATION

The Vendor shall deliver Free-On-Board (FOB) Destination to any requested location within the City of Rocky Mount with all transportation costs included in the total bid price.

When an order is placed using a purchase order, the purchase order number shall be shown on all packages and shipping manifests to ensure proper identification and payment of invoices. If an order is placed without using a purchase order, such as via phone, the Buyer's name shall be show on all packages. A complete packing list shall accompany each shipment. Vendors shall not ship any products until they have received an order.

4.6 QUALITY ACCEPTANCE INSPECTION

It is the responsibility of the receiving Department to inspect all materials, supplies and equipment upon delivery to ensure compliance with the contract requirements and specifications.

INVOICES MAY NOT BE PAID BY THE USING DEPARTMENT UNTIL AN INSPECTION HAS OCCURRED AND THE GOODS ACCEPTED.

4.7 WARRANTY

Manufacturer's standard warranty shall apply. Vendors shall include a copy of the manufacturer's standard warranty with the bid response.

4.8 DESCRIPTIVE LITERATURE

DESCRIPTIVE LITERATURE/CERTIFICATION

Each bid shall be accompanied by complete descriptive literature, specifications, certifications, and all other pertinent data necessary for thorough evaluation of the item(s) bid and sufficient to determine compliance of the item(s) with the specifications. Failure to include such information to shall be a sufficient basis for rejection of the bid.

5.0 GENERAL SPECIFICATIONS

5.1 GENERAL

The attached transformer evaluation formula will be used to select low bidder. Transformers shall be delivered on an open bed truck. The city reserves the right to refuse delivery if transformers are not on an open bed truck. The successful bidder shall supply MSDS sheets for transformer oil. Preferred delivery times are as follows:

Monday – Friday
7:30 a.m. – 8:30 a.m.
or
2:30 p.m. – 3:30 p.m.

***ALL DELIVERIES ARE TO BE MADE TO: 1251 THORPE RD., ROCKY MOUNT, NC 27804**

- The construction shall limit the entry of water (other than flood water) into the compartment so as not to impair the operation of the transformer.
- The instruction nameplate is to be located in the low-voltage portion of the compartment and shall be readable with cables in place. Where the nameplate is mounted on a removable part, the manufacturer's name and transformer serial number shall be permanently affixed to a non-removable part. Transformer name-plate data to be supplied with bid.
- Transformer tank to be sealed-tank construction with a welded main cover. A bolted tamper resistant handhold shall be provided in the tank cover for access to internal connections.
- Provisions for tank grounding shall be supplied in both high-voltage compartments. These provisions shall consist of two ½-13 UNC tapped holes ½" deep.
- The transformer's high-voltage and low-voltage neutrals shall be connected internally and brought out through a bushing located in the secondary compartment.
- Danger and warning signs per NEMA regulations.
- Paint to be electrostatically applied with zinc rich primer and alkyd final coat.

II. TRANSFORMER SPECIFICATIONS 10 KVA- CONVENTIONAL 2-BUSHING TRANSFORMER (WITH EXTERNAL TAPS)

- Primary voltage to be 12470GY/7200 (95KV BIL)
- Secondary voltage to be 120/240
- A polyurethane powder coated paint will be electrostatically applied and oven cured.
- Transformer to have insulated cover which will withstand 10KV for 15 seconds.
- Transformer to have a self-venting cover which meets NEMA TR-P7-1975 800A fault withstand capability.
- Each transformer will be treated in accordance with ANSI Test Code C57.12.90-1980 and both NL and FL Losses shall be recorded by serial number.
- Copper or hardened aluminum terminals will be provided to assure positive electrical contact as well as solid mechanical support for all leads.
- Transformers will be labeled similar to the following label to indicate that non-PCB dielectric fluid is used:
 - "This transformer was filled or processed at the factory with non-PCB dielectric fluid in accordance with Federal Polychlorinated Biphenyl (PCB) Regulations 40CFR761, dated May 31, 1979. The purchaser should take the necessary precautions so that PCB contamination is not introduced during field filling or maintenance of the transformer."
- Automatic pressure relief device.
- Transformer to have one direct connect heavy duty MOV polymer lightning arrester rated at 10 kv with a MCOV of 8.4 kv. Arrester will be equipped with a ground lead direct connect connector. Provisions to mount arrester either side. Grounded with flat copper strap.
- Primary taps to be 2 ½ above and 2 ½ below normal voltage.
- The transformer's low-voltage neutrals shall be connected internally and brought out through a bushing located in the secondary compartment. Must include flat copper strap.

- Transformer shall have external slotted single hangers for quick installations with external secondary bushings mounted on exact opposite side of tank. (180 degrees). Send cut sheet if not on standards with Rocky Mount Public Utilities.

III. TRANSFORMER SPECIFICATIONS 15 KVA- CONVENTIONAL 2-BUSHING TRANSFORMER (WITH EXTERNAL TAPS)

- Primary voltage to be 12470GY/7200 (95KV BIL)
- Secondary voltage to be 120/240
- A polyurethane powder coated paint will be electrostatically applied and oven cured.
- Transformer to have insulated cover which will withstand 10KV for 15 seconds.
- Transformer to have a self-venting cover which meets NEMA TR-P7-1975 800A fault withstand capability.
- Each transformer will be treated in accordance with ANSI Test Code C57.12.90-1980 and both NL and FL Losses shall be recorded by serial number.
- Copper or hardened aluminum terminals will be provided to assure positive electrical contact as well as solid mechanical support for all leads.
- Transformers will be labeled similar to the following label to indicate that non-PCB dielectric fluid is used:
 - “This transformer was filled or processed at the factory with non-PCB dielectric fluid in accordance with Federal Polychlorinated Biphenyl (PCB) Regulations 40CFR761, dated May 31, 1979. The purchaser should take the necessary precautions so that PCB contamination is not introduced during field filling or maintenance of the transformer.”
- Automatic pressure relief device.
- Transformer to have one direct connect heavy duty MOV polymer lightning arrester rated at 10 kv with a MCOV of 8.4 kv. Arrester will be equipped with a ground lead direct connect connector. Provisions to mount arrester either side. Grounded with flat copper strap.
- Primary taps to be 2 ½ above and 2 ½ below normal voltage.
- The transformer's low-voltage neutrals shall be connected internally and brought out through a bushing located in the secondary compartment.
- Transformer shall have external slotted single hangers for quick installations with external secondary bushings mounted on exact opposite side of tank. (180 degrees). Send cut sheet if not on standards with Rocky Mount Public Utilities.

IV. TRANSFORMER SPECIFICATIONS 25 KVA - CONVENTIONAL 2-BUSHING TRANSFORMER (WITH EXTERNAL TAPS)

- Primary voltage to be 12470GY/7200 (95KV BIL)
- Secondary voltage to be 120/240

- A polyurethane powder coated paint will be electrostatically applied and oven cured.
- Transformer to have insulated cover which will withstand 10KV for 15 seconds.
- Transformer to have a self-venting cover which meets NEMA TR-P7-1975 800A fault withstand capability.
- Each transformer will be treated in accordance with ANSI Test Code C57.12.90-1980 and both NL and FL Losses shall be recorded by serial number.
- Copper or hardened aluminum terminals will be provided to assure positive electrical contact as well as solid mechanical support for all leads.
- Transformers will be labeled similar to the following label to indicate that non-PCB dielectric fluid is used:
 - “This transformer was filled or processed at the factory with non-PCB dielectric fluid in accordance with Federal Polychlorinated Biphenyl (PCB) Regulations 40CFR761, dated May 31, 1979. The purchaser should take the necessary precautions so that PCB contamination is not introduced during field filling or maintenance of the transformer.”
- Automatic pressure relief device.
- Transformer to have one direct connect heavy duty MOV polymer lightning arrester rated at 10 kv with a MCOV of 8.4 kv. Arrester will be equipped with a ground lead direct connect connector. Provisions to mount arrester either side. Grounded with flat copper strap.
- Primary taps to be 2 ½ above and 2 ½ below normal voltage.
- The transformer’s low-voltage neutrals shall be connected internally and brought out through a bushing located in the secondary compartment.
- Transformer shall have external slotted single hangers for quick installations with external secondary bushings mounted on exact opposite side of tank. (180 degrees). Send cut sheet if not on standards with Rocky Mount Public Utilities.

V. TRANSFORMER SPECIFICATIONS 50 KVA - CONVENTIONAL 2-BUSHING TRANSFORMER (WITH EXTERNAL TAPS)

- Primary voltage to be 12470GY/7200 (95KV BIL)
- Secondary voltage to be 120/240
- A polyurethane powder coated paint will be electrostatically applied and oven cured.
- Transformer to have insulated cover which will withstand 10KV for 15 seconds.
- Transformer to have a self-venting cover which meets NEMA TR-P7-1975 800A fault withstand capability.
- Each transformer will be treated in accordance with ANSI Test Code C57.12.90-1980 and both NL and FL Losses shall be recorded by serial number.
- Copper or hardened aluminum terminals will be provided to assure positive electrical contact as well as solid mechanical support for all leads.

- Transformers will be labeled similar to the following label to indicate that non-PCB dielectric fluid is used:
 - “This transformer was filled or processed at the factory with non-PCB dielectric fluid in accordance with Federal Polychlorinated Biphenyl (PCB) Regulations 40CFR761, dated May 31, 1979. The purchaser should take the necessary precautions so that PCB contamination is not introduced during field filling or maintenance of the transformer.”
- Automatic pressure relief device.
- Transformer to have one direct connect heavy duty MOV polymer lightning arrester rated at 10 kv with a MCOV of 8.4 kv. Arrester will be equipped with a ground lead direct connect connector. Provisions to mount arrester either side. Grounded with flat copper strap.
- Primary taps to be 2 ½ above and 2 ½ below normal voltage.
- The transformer’s low-voltage neutrals shall be connected internally and brought out through a bushing located in the secondary compartment. Must include flat copper strap.
- Transformer shall have external slotted single hangers for quick installations with external secondary bushings mounted on exact opposite side of tank. (180 degrees). Send cut sheet if not on standards with Rocky Mount Public Utilities.

6.0 CONTRACT ADMINISTRATION

6.1 PROJECT MANAGER AND CUSTOMER SERVICE

The Vendor shall designate and make available to the City a single point of contact for contract related issues and issues concerning performance, progress review, scheduling and any service required.

6.2 DISPUTE RESOLUTION

The parties agree that it is in their mutual interest to resolve disputes informally. A claim by the Vendor shall be submitted in writing to the City’s Contract Lead for resolution. A claim by the City shall be submitted in writing to the Vendor’s Project Manager for resolution. The Parties shall negotiate in good faith and use all reasonable efforts to resolve such dispute(s). During the time the Parties are attempting to resolve any dispute, each shall proceed diligently to perform their respective duties and responsibilities under The Contract. If a dispute cannot be resolved between the Parties within thirty (30) days after delivery of notice, either Party may elect to exercise any other remedies available under The Contract, or at law. This term shall not constitute an agreement by either party to mediate or arbitrate any dispute.

6.3 CONTRACT CHANGES

Contract changes, if any, over the life of the contract shall be implemented by contract amendments agreed to in writing by the City and Vendor.

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Attachments to this IFB begin on the next page.

ATTACHMENT A: PRICING

FURNISH AND DELIVER:

Item #	QTY.	UOM	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1	50	Ea.	10 KVA (conventional 2-bushing transformer w/external taps)	\$ _____	\$ _____
2	50	Ea.	15 KVA (conventional 2-bushing transformer w/external taps)	\$ _____	\$ _____
3	50	Ea.	25 KVA (conventional 2-bushing transformer w/external taps)	\$ _____	\$ _____
4	50	Ea.	50 KVA (conventional 2-bushing transformer w/external taps)	\$ _____	\$ _____
5	50	Ea.	25 KVA single phase pad mounted transformer	\$ _____	\$ _____
6	50	Ea.	50 KVA single phase pad mounted transformer	\$ _____	\$ _____

TOTAL BID PRICE: \$

ATTACHMENT B: ACCEPTANCE OF GENERAL TERMS & CONDITIONS

Review Terms and Conditions: General at <https://rockymountnc.gov/services-finance-vendor-registration/> Terms and conditions on the vendor webpage that do not apply to this bid: Federal UG Terms, FEMA Contract Provisions, Sample Contract Terms.

- Check here to indicate that you have read and agree to the City of Rocky Mount General Terms & Conditions.

ATTACHMENT C: SUPPLEMENTAL VENDOR INFORMATION

HISTORICALLY UNDERUTILIZED BUSINESSES

Historically Underutilized Businesses (HUBs) consist of minority, women and disabled business firms that are at least fifty-one percent owned and operated by an individual(s) of the categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled.

Pursuant to G.S. 143B-1361(a), 143-48 and 143-128.4, the City invites and encourages participation in this procurement process by businesses owned by minorities, women, disabled, disabled business enterprises and non-profit work centers for the blind and severely disabled. This includes utilizing subcontractors to perform the required functions in this IFB. Any questions concerning NC HUB certification, contact the [North Carolina Office of Historically Underutilized Businesses](#) at (919) 807-2330. The Vendor shall respond to question #1 and #2 below.

- a) Is Vendor a Historically Underutilized Business? Yes No
- b) Is Vendor Certified with North Carolina as a Historically Underutilized Business? Yes No

If so, state HUB classification:

NEW VENDOR REGISTRATION

New vendors must complete a vendor registration form using the link below. If you are a current vendor that needs to update, contact information you may also complete the online vendor registration form. Once registration is complete email a copy of your W9 an E-Verify Affidavit to the contact person listed on the coversheet.

<https://rockymountnc.gov/services-finance-vendor-registration/>

HOW TO DO BUSINESS WITH THE CITY OF ROCKY MOUNT

- Becoming a Vendor <https://youtu.be/MGOjZxI4iQc>
- Competing in the Bid Process <https://youtu.be/yy8dYzPOCUs>
- Purchase Order, Payment and Performance <https://youtu.be/wA5zVTizZQM>

ATTACHMENT D: METHOD OF AWARD/TRANSFORMER OWNERSHIP FORMULA

Transformer Ownership Formulas. The ownership formula listed is based on the EEI format in which the cost of money is included in the A and B factors.

Format: $TOC = \text{Unit Cost} + A \times \text{NL Loss} + B \times \text{Load Loss}$

Where: TOC is Total Ownership Cost for 30 years

Until cost is the base cost of the transformer

A is the cost per watt for NL Loss

B is the cost per watt for Load Losses

NL Loss is the loss in watts at no load for the transformer

Load Loss is the Load Loss in watts excluding no load losses, but including breaker losses and any other load related losses.

- I. Ownership Formula for all transformers.

$$TOC = \text{unit cost} + \$2.487/\text{watt} \times \text{NL Loss} + \$0.43/\text{watt} \times \text{Load Loss}$$

For purposes of this bid, the bidder must submit certified test results for each transformer before the shipment can be considered complete, and payment will be withheld until these losses for each delivered transformer are supplied to the City.

All transformers in this bid shall be manufactured and tested according to the latest ANSI Standards, and no transformers that exceed 10% of the No Load Losses quoted and/or 6% of the Full Load Losses quoted will be accepted.

Liquidated Damages for Transformer Losses. If either the certified test results or the City’s own testing reveals values exceeding the average losses quoted, either NL or LL or both, the City will exercise one of two options listed below:

1. Returned any transformer or transformers up to and including all of the shipment, C.O.D., to be replaced by the bidder with transformers that meet the quoted losses in the bid.
2. The bidder will be invoiced for liquidated damages based on the formula below for each and every transformer delivered because the average losses (either NL or LL or both) do not meet quoted average losses.

$$LD = \text{No. of units delivered} \times \$7.80 \times D1 + \text{No. of units delivered} \times \$2.10 \times D2$$

Where: LD=Liquidated Damages to be paid to city
 D1=(NL Loss Delivered – NL Loss Quoted)
 D2=(Load Loss Delivered – Load Loss Quoted)

If either D1 or D2 is less than zero, then credit could be given if other was positive or more than zero.

Example: For 100 KVA transformer – If D1 = 4 and D2 = -2 then by the formula above would yield a penalty of \$27.00.

$$(\$7.80 \times 4) + (\$2.10 \times (-2)) = \$27.00$$

In addition, the City may, at its option, remove the vendor and/or the manufacturer from its bidder’s list until all damages are paid and the City is convinced that the vendor and the manufacturer can meet all performance requirements and other obligations prescribed by the City.

Any and all transformers that exceed the ANSI Standard for losses, 10% of the No Load Losses quoted and/or 6% of the Load Losses quoted will be accepted and will be returned to the manufacturer freight collect.