

Vendor Name: _____ SHIP City of Oak Ridge - Materials Management
 Payment Terms: _____ TO 100 Woodbury Lane / P.O. Box 1
 F.O.B.: _____ Oak Ridge, TN 37830
 Delivery Date: _____ (865) 425-1819 FAX (865) 482-8475
 Ship Via: _____ Lyn Majeski lmajeski@oakridgetn.gov
 Signature: _____

 Ordered - 08/20/14 Freight -
 Requested - 09/03/14 Taken By -
 Delivery - Deliveries are accepted 8 a.m. TO 3 p.m.

Description / Supplier Item	UM	Unit Cost	Extension	Req. Dt
1-POL-0025.0-13 25 kVA Transformer	18.0000 EA		EA	09/03/14

PER THE ATTACHED SPECIFICATIONS.

*

Bids must be received by 2:00 P.M. September 3, 2014.

Bids may be emailed - lmajeski@oakridgetn.gov

faxed - 865-425-1819

mailed - City of Oak Ridge

Attn: Lyn Majeski

PO Box 1

Oak Ridge, TN 37831

UPS/FedEx - City of Oak Ridge

Attn: Lyn Majeski

100 Woodbury Lane

Oak Ridge, TN 37830

REQUEST FOR QUOTE
FOR
SINGLE PHASE POLE MOUNTED TRANSFORMERS
FOR
CITY OF OAK RIDGE, TN

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Attachments:

PROP-FORM

A-XFMR ID

1.0 REQUEST FOR QUOTE

The City of Oak Ridge reserves the right to reject any or all quotes and to waive any informalities or technicalities therein. This quote is an emergency purchase to replace transformers found damaged or leaking while performing make ready work, therefore lead time will be an important factor in the evaluation. The quote will be awarded to the lowest and best responsive seller as determined by the Engineer. No seller may withdraw a quote for a period of thirty (30) days after the date set for opening of quotes. Specifications may be obtained from the Engineer. Only quotes from approved manufacturers will be opened. Contact the Engineer for approval standards. Specifications may be examined at the Electric Department's Office of the Engineer.

OWNER/ENGINEER: City of Oak Ridge, Tennessee
Electric Department
100 Woodbury Lane
Post Office Box 1
Oak Ridge, TN 37831-0001
ATTN : Phil Stokinger or
Margaret Elgin, P.E.
TEL : (865) 425-1864
FAX : (865) 482-8313
email : pstokinger@oakridgetn.gov

PROJECT / PACKAGE: SINGLE PHASE POLE MOUNT TRANSFORMERS
QUOTE DUE DATE: SEPTEMBER 3, 2014 at 2:00pm

2.0 INSTRUCTIONS FOR QUOTE

- 2.1 You are invited to submit a Quote for single phase pole mount transformers for the City of Oak Ridge, Tennessee.
- 2.2 The Owner does not obligate itself to accept the lowest or any other quote and specifically reserves the right to reject any and all quotes. Partial award of units listed may be made at the Engineers discretion.
- 2.3 The Seller shall provide all information requested. The Seller shall take care to complete all portions of the Proposal documents and to provide all required submittals. Failure to comply may result in the rejection of the quote.

Seller may email, or fax the Proposal documents and all submittals required at the time of the Proposal to the email address and/or fax number listed above, or mail the Proposal documents and all submittals to:

City of Oak Ridge
100 Woodbury Lane
Oak Ridge, Tennessee 37830
ATTN: Lyn Majeski
lmajeski@oakridgetn.gov
(865) 482-8475

- 2.5 The Owner invites cost saving and schedule improving alternatives. **A Seller shall first complete the Proposal as issued by the Owner;** Seller may then submit the alternatives referenced to the base proposal.
- 2.6 If the Seller requires additional information or is in doubt as to the meaning of any part of the Contract documents, Seller may telephone or submit a written request to the Engineer for such information or clarification. For questions to be answered, they must be received by 3:00pm on August 27, 2014. Addenda may be issued as deemed necessary by the Engineer.
- 2.7 For further information, Sellers shall contact the Engineer.

- 2.8 The Engineer will represent the Owner in all matters pertaining to the project, including but not limited to, answering technical questions of prospective sellers, quote evaluation and recommendation, review and approval of fabrication drawings and similar documents, and approval of invoices prior to payment by the Owner.
- 2.9 The terms Purchaser and Owner shall refer to the City of Oak Ridge. The terms Seller and Manufacturer shall refer to the supplier of the equipment described by the documents.
- 2.10 If these specifications call for material, equipment or manufacturing procedures different from the Manufacturer's standard, the Manufacturer shall clearly identify all deviations or substitutions in this quote. When possible, the Manufacturer should quote according to the specifications with the Manufacturer's standard as an option.
- 2.11 Equal shall mean a satisfactory equivalent as approved solely by the Engineer.
- 2.12 Proposals should include Manufacturer's best delivery date for each type unit.
- 2.13 The Seller shall clearly state all exceptions to this specification. Unless specifically stated otherwise, the Seller shall furnish equipment, material and services in exact accordance with this specification, and any modifications to equipment, material and services necessary to comply with this specification shall be made by the Seller at no additional cost to the Purchaser.
- 2.14 The Seller shall include on the attached proposal form firm pricing, firm delivery ARO, and guaranteed loss information.
- 2.15 The cost to furnish any and all prints, drawings, diagrams, instruction manuals, cutsheets, AutoCad electronic files, reports, and certified test reports shall be included in the quote process and shall not be listed as a separate item.
- 2.16 All requested options, devices, and equipment are required and expected per the specifications, and the cost to furnish fully operational equipment with explanatory documentation shall be included in the quote process and shall not be listed as separate items.
- 2.17 The engineer may award the contract(s) based on overall low price (all units) or break up award into the lowest priced individual units.
- 2.18 Each Seller shall complete the following Drug-free workplace affidavit as part of the submitted proposal.

3.0 TERMS AND CONDITIONS

3.1 Acceptance; Entire Agreement

Acceptance of this order by acknowledgement, shipment or other performance shall be expressly limited to the terms and conditions contained in this order. Any additional or different terms or conditions proposed by the Seller are objected to and are hereby rejected. Upon acceptance, the terms contained in this order shall constitute the entire agreement between Seller and Purchaser with respect to the subject matter of this agreement (hereinafter referred to as the "Agreement") and may not be modified, added to, or rescinded except by a written document signed by Seller and Purchaser. Refer to Section 5.8.2 for details regarding inspection and acceptance of the units subsequent to delivery.

3.2 Assignment and Setoff

The Seller shall not assign any right or interest under this Agreement nor delegate any work or other obligation to be performed or owned under this Agreement without the prior written consent of Purchaser. Any attempted assignment or delegation in contravention of this provision shall be void. Purchaser shall be entitled to set off any amounts owed by Seller to Purchaser against any amounts payable to Seller.

3.3 Delivery Terms

All goods ordered hereunder **shall be shipped F.O.B. destination**, unless otherwise agreed. No charge will be allowed for packing, crating, freight, express, or cartage, unless agreed to and specified on this order. This order shall not be filled at prices higher than last quoted or charged without proper authorization.

3.4 Payment

Upon the shipment of any material hereunder, the Seller shall submit to the Purchaser a detailed invoice duplicate of the materials shipped. Within 30 days after written acknowledged receipt, the Purchaser shall make payment thereof to the Seller. No payment will be made for incomplete items or where invoicing does not comply with the requirements of 5.8.3, titled 'Payment'.

3.5 Time of Performance

Time is of the essence of this Agreement. If tender of conforming goods is not made by the delivery date quoted or services are not completed by the completion date quoted, Purchaser may treat such failure as a breach hereof and will have all remedies afforded to it by law including, but not limited to, the rights to recover. Failure to keep commitments made in the proposal will have a direct bearing on manufacturers status on the approved supplier list.

3.6 Identification; Risk of Loss

Identification of the goods ordered herein shall occur at the moment this order is accepted by Seller. Risk of loss shall pass to the Purchaser at the time that conforming goods to the Agreement are confirmed received at the Delivery Site .

3.7 Infringement

Seller shall indemnify Purchaser and Purchaser's customers for any and all loss, damage, expense, (including but not limited to attorney's fees) claims or liability arising out of any infringement or claim of infringement of any patent, trademark, copyright, trade secret or other proprietary interest based on the manufacture, installation, normal use, lease, or sale of any service of material furnished to Purchaser under this Agreement. Purchaser shall notify Seller promptly of any such claim or infringement and Seller shall, at its own cost, defend, compromise, or settle, any such action or actions to satisfy and discharge the same without any cost or expense whatsoever to the Purchaser.

3.8 Warranties

Seller warrants to Purchaser that material furnished will be merchantable, fit for Purchaser's intended purposes and free from defect in design, material and workmanship and will conform to and perform in accordance with Purchaser's drawings and specifications and will be safe for its intended use. Seller also warrants to Purchaser that services will be performed in a first class workmanlike manner consistent with accepted industry standards. In addition, if material furnished contains one or more manufacturers' warranties, Seller hereby assigns such warranties to Purchaser. All warranties shall survive inspection, acceptance and payment. Material not meeting the warranties shall at Purchaser's option be repaired, adjusted or replaced by Seller at no cost to Purchaser. Services not meeting the warranties shall at Purchaser's option be reperfomed by Seller at no cost to Purchaser. Such remedies shall be available to Purchaser in addition to all others afforded to it at law or equity. The manufacturer shall provide a guaranteed warranty that covers the unit a minimum of 12 months from delivery date.

3.9 Rejected Goods

Purchaser shall give notice to Seller of any rejection of goods, and goods rejected will, at Seller's expense, be returned to Seller or otherwise disposed of as Seller may reasonably request. Payment for the goods prior to inspection and approval shall not constitute acceptance thereof. Neither Purchaser's inspection nor its failure to inspect the goods delivered hereunder shall release Seller from its warranties and obligations under this Agreement.

3.10 Termination

- A) Purchaser may terminate this Agreement for default upon notice to Seller if: 1) Seller fails to comply with any of the terms and conditions of this Agreement,

including failure to deliver goods or perform services required within the time specified in this Agreement; 2) at any time reasonable grounds for insecurity arise with respect to Seller's expected performance and Seller fails to furnish adequate assurance of due performance within ten (10) days after a written demand by Purchaser for such adequate assurance; 3) Seller shall become insolvent or make an assignment for the benefit of creditors; or 4) Seller shall file a voluntary petition in bankruptcy or insolvency or shall be involuntarily petitioned into bankruptcy or insolvency.

- B) Purchaser may terminate this Agreement, in whole or in part, for its convenience, at any time by giving written notice to Seller, and Seller shall promptly comply with the directions contained in such notice. In such event, Purchaser shall make payment to Seller for all costs incurred by Seller prior to such termination reasonably allocable to this Agreement under recognized accounting practice, less any scrap or salvage value.

3.11 Liens

Seller shall promptly pay for all materials, supplies and labor employed by it in manufacturing the ordered goods to the end that such goods may be kept free from Material men's, Warehousemen's and Mechanics' liens. Seller shall promptly discharge any such liens arising from the performance of this Agreement.

3.12 Indemnity of the Purchaser

The Seller shall indemnify and hold Purchaser and its officers, employees, and agents harmless from and against all suits or claims that may be based upon any alleged injury to or the death of any person or damage to property that may occur or that may be alleged to have occurred in the course of performance of this Agreement whether or not such claim is made by a third person, except when it shall be proved that the alleged injury was caused solely by a negligent act or omission of the Purchaser. Seller shall, at its own cost and expense, pay all costs and expenses or such suit or claim, including attorney's fees in connection therewith, and if any judgment shall be rendered against the Purchaser in any such action or actions the Seller shall satisfy and discharge the same without cost or expense to Purchaser.

3.13 Compliance with Laws

Seller and all material furnished by Seller shall fully comply with all federal, state, and local laws, ordinances, regulations, orders and codes, including identification and procurement of required permits, certificates, approvals and inspections in performance hereunder. Any provision required to be included in this Agreement by any such law, rule or regulation shall be deemed to be included herein. The Equal Opportunity Clause contained in Executive Order 11246 as amended, relating to equal employment opportunity for all persons without regard to race, color, religion, sex or national origin, the Affirmative Action Clause contained in 41 C.F.R. Chapter 60.250 relating to affirmative action obligations to disabled veterans and to veterans of the Vietnam Era, and the Affirmative Action Clause contained in 41 C.F.R. Chapter 60.741 relating to

affirmative action obligations to handicapped workers, are incorporated herein by reference. The Seller also certifies that it does not engage in and requires that its subcontractor's (if any) employees or agents not engage in, any form of discrimination based on race, color, religion, sex or national origin. Seller agrees to indemnify Purchaser for any loss or damage that may be sustained by reason of any failure to do so.

3.14 Labeling

All goods and materials to be supplied by Seller under this Agreement shall be labeled in accordance with the requirements of the Federal Occupational Safety and Health Act Hazard Communication Standard (29 CFR 1910.1200) and/or applicable State law or standard of similar effect. Seller shall immediately send to the Purchaser, referencing this purchase order number, all required written safety information materials including without limitation, Material Safety Data Sheets, required under said standards.

3.15 Non-Waiver

No course of dealing or failure of either party to strictly enforce any term, right or condition of this Agreement shall be construed as a waiver of such term, right, or condition.

3.16 Choice of Law

The construction, interpretation and performance of this Agreement and all transactions under it shall be governed and resolved in accordance with the laws of the State of Tennessee.

3.17 Notification

The Manufacturer shall acknowledge in writing to the Engineer that the Owner's Purchase Order or acceptance has been received within 5 days ARO. The acknowledgement shall include the date that the Purchase Order or acceptance is received and the date that equipment delivery is expected.

3.18 Terminology

The terms "shall" and "will" which appear in the Proposal and specifications place an absolute obligation on the Manufacturer to do that which is designated and/or specified.

3.19 Taxes

City of Oak Ridge, Tennessee is exempt from sales tax.

4.0 EQUAL OPPORTUNITY PROVISIONS

- 4.1 This Contract is subject to the provisions of Section 202 of Executive Order Number 11246 of September 24, 1965 as amended relating to Equal Opportunity and to the Affirmative Action requirements of 41CFR60. The Contractor will at all times abide by the equal opportunity provisions of the Civil Rights Act of 1964 as amended.
- 4.2 No Respondent to this request shall in any way, directly or indirectly, discriminate against any person because of race, creed, color, national origin, religion, age, sex, sexual orientation, disability or other legally protected status. This requirement includes the process for selection and retention of subcontractors, procurements of materials and leases of equipment. The City of Oak Ridge encourages the utilization of minority and women-owned businesses in its contracting and subcontracting projects and the Contractor is encouraged to actively solicit the participation of these businesses. The Contractor shall inform its subcontractors and vendors of this requirement and shall ensure compliance therewith.
- 4.3 Each Seller shall complete the following Equal Opportunity Compliance Certificate as part of the submitted proposal.

**EQUAL OPPORTUNITY
COMPLIANCE CERTIFICATE**

We hereby certify:

As a(n): _____ Division of Parent Company _____

_____ Subsidiary

_____ Affiliate Address _____

_____ Separate Corporation _____

And being: _____ a Small Business (Ref: ASPR-1-701-1)

_____ Minority Owned Business (Ref: 41CFR-1.701-1)

_____ from a Labor Surplus Area (Ref: 41CFR 1-1.801-1);

Having _____ employees in all divisions , subsidiaries, affiliates and parent (number) company;

That we shall comply with the applicable portions of the Equal Opportunity Clause as promulgated under Executive Order 11246. September 24, 1965 as amended, and all other federal laws and regulations pertaining to the Equal Employment Opportunity and Affirmative Action obligations of Federal Government Contractors, and shall submit the required compliance reports, and shall maintain non-segregated facilities.

Supplier _____

Address _____

Signature of Authorized Representative _____

Date of Signing _____

5.0 SINGLE PHASE POLE MOUNTED TRANSFORMERS

5.1 Standards:

The primary standards to which this equipment shall be constructed and tested are:

- 1.1 National Electric Code
- 1.2 American National Standards Institute
- 1.3 National Electric Safety Code
- 1.4 American Society for Testing Materials
- 1.5 Institute of Electrical and Electronic Engineers
- 1.6 National Electrical Manufacturers Association
- 1.7 All applicable local codes

5.2 Drawings and Data

The Manufacturer shall submit a **complete schedule** within ten (10) days ARO to the Engineer. This schedule will reflect the commitments submitted with the proposal. This schedule shall indicate the starting dates, dates of completion, and date the unit(s) will ship. The timely submission of Manufacturer's record drawings and test data is as important as manufacture and delivery of equipment and hardware, and shall be considered in determining the award.

- 5.2.1 Each drawing and instruction book furnished shall be clearly marked to identify the Owner's location as follows:

City of Oak Ridge, Tennessee
Single Phase Pole Mounted Transformer

- 5.2.2 Submittals shall consist of, but are not limited to, the following:

1. Net weight of transformer
2. Dimensions or dimensioned drawing of transformer
3. Transformer impedance
4. No load losses
5. Full Load losses
6. Total losses at rated KVA
7. Exciting current at 100% and 110% voltage
8. Transformer regulation at 1.0 and 0.8 PF
9. Nameplate Data / Ratings
10. Installation Instructions
11. Operating Instructions
12. Maintenance Instructions

The bidder shall submit with bid, nameplate data, general outline dimensions and other standard information for the transformer proposed, including the guaranteed values of Items No. 3 through No. 6, listed above.

Two sets of the certified test reports shall be supplied for each unit and shall include as minimum the information defined in section 5.6.2 of this specification. Shipment is not considered complete until we receive certified test reports.

5.2.3 Submittal Process

The Manufacturer shall submit to the Engineer two (2) copies of shop drawings of the specified equipment with his proposal. Each submittal shall be clearly marked with the project name, date, and accompanied by a letter of transmittal listing all items included in the submittal.

1. The Engineer will review, mark and date all submitted shop drawings. One (1) set will be returned to the Manufacturer with the purchase order and the remaining set will be retained by the Engineer. Manufacturer shall make corrections and changes as indicated.
2. The Manufacturer shall resubmit shop drawings as required until satisfactory review has been obtained. Corrections and/or changes indicated on shop drawings by Engineer/Owner shall not be considered as an extra work order.
3. After satisfactory "Reviewed" or "Reviewed As Noted" has been obtained for all shop drawings, two (2) copies of shop drawings marked "FOR CONSTRUCTION" shall be furnished to the Engineer/Owner within 10 days of receipt of approval drawings by Manufacturer.
4. Review of shop drawings by the Engineer will be general only, and such review will not relieve the Manufacturer of responsibility for accuracy of such shop drawings, proper fitting, coordination, construction of work, and furnishing of materials required by the specifications but not indicated on shop drawings. Review of shop drawings shall not be construed as approving departures from the Specifications.
5. Prints, exclusive of reproducibles, shall be folded to 8 /12" x 11" for submittal.
6. All technical correspondence shall be sent to the Engineer.

5.2.4 Final instruction books (**two sets**) shall be provided to the Engineer, and as a minimum shall contain the following information:

1. The items listed in Section 5.2.2.
2. All drawings approved by Purchaser for the particular unit(s) furnished.

3. Bill of Material, indicating model number of EVERY item.
4. Instruction Leaflets and Cutsheets, with pertinent model numbers clearly indicated.
5. Information for ordering parts.
6. Certified test reports shall be shipped simultaneous to shipping of the unit(s).
7. One (1) electronic copy of all drawings shall be provided in AutoCAD. Prints of all final drawings and data shall also be provided.
8. Instruction books shall be enclosed in an adequately sized **three ring binder**.

5.3 Shipping

- 5.3.1 Unit(s) shall be furnished F.O.B. Destination, Freight Prepaid and Allowed at the destination indicated. Unloading will be provided by the Owner.

- 5.3.2 Manufacturer shall be responsible for obtaining necessary permits, providing and verifying routing and, in general, making all the necessary arrangements for transporting the equipment provided to Purchaser's destination.
- 5.3.3 Any material to be mounted in the field shall be packed in a separate box with a packing list attached outside. Another packing list shall be placed inside the box. Lists shall clearly identify components contained in the box.
- 5.3.4 No incomplete or partial or unfinished shipments shall be accepted or received without written permission from the Engineer.
- 5.3.5 Manufacturer shall provide twenty four (24) hours advance notice to the Engineer of the exact time delivery will be made at destination, along with information listed in 5.3.6 below.
- 5.3.6 The manufacturer shall, at the time arrangements for delivery are to be made, inform the Engineer of:
 - a. Purchase Order Number
 - b. Number of items being shipped per purchase order
 - c. Weight of each item (heaviest)
 - d. Estimated time of arrival
 - e. Location of use ("to be used for:" not "ship to:")
 - f. Serial Number
- 5.3.7 Delivery is desired ASAP and will be a factor of award. Manufacturer is encouraged to ship units as soon as they become available.
- 5.3.8 Units shall be placed on hardwood pallets with skids sized to facilitate handling with forklifts.
- 5.3.9 Units shall be loaded from the rear of the trailers for shipment to facilitate unloading onto receiving docks with forklifts.

5.3.10 Units may be unloaded with overhead cranes and shall be shipped on flat-bed trailers without sides. *Canvas-topped trailers are NOT acceptable. Any transformer shipments not meeting this requirement may be returned to the manufacturer at CORED's discretion without cost to the City of Oak Ridge.*

5.4 **GENERAL REQUIREMENTS**

5.4.1 These specifications cover electrical characteristics and mechanical features of outdoor, two bushing, single-phase, 60 Hertz, oil immersed, self-cooled, overhead type distribution transformers rated 250 kVA and smaller. High voltages include 7620/13200Y and 13200 Volts. Amorphous Core units are not acceptable. Typical low voltages include 120/240, 240/480, 277, and other voltages as may be specified in the proposal form. Exception: Transformers rated 1.5 kVA and smaller shall be single bushing.

5.4.2 The transformer impedance shall be no less than 1.8 % and no more than 2.2 %.

5.4.3 All transformers 25 kVA and above that are supplied under this specification shall have tap changers, externally operated, with two (2) 2-1/2% taps above and two (2) 2-1/2% taps below rated voltage.

5.4.4 Each transformer shall be equipped with manufacturer's standard pressure relief device.

5.4.5 **Copper (Cu) conductor shall be utilized in the primary and secondary voltage windings, and the secondary voltage leads which connect to bushings.** Terminal connectors shall be suitable for use with either aluminum or copper conductor(s). Terminal lugs shall accommodate the following range of conductor sizes: 4/0 cu through 500 MCM cu. Refer to C57.12.20 Table 12. Any deviations to the winding and lead material must be submitted as an alternate, and a base bid of copper must be provided.

5.4.6 Tank covers shall have a slope of 5 - 15 degrees for moisture run-off and shall be constructed so as to provide a minimum insulation level of 15 kV, tested as per ASTM D149 or other method that has been submitted to and approved in writing by CORED.

5.4.7 Secondary voltage of transformer shall be included on the tank, below the kVA rating, and shall be a minimum of 1-1/2" in height. Acceptable are the following:

120	120/240	240/480	277
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5.4.8 Nameplates shall be of type A, with the following clarification(s): Total mass in pounds (lb.) and volume of oil (gallons) shall be included on all nameplates, regardless of kVA size.

5.4.9 An additional barcode nameplate, using ANSI/AIM 128, shall be installed and encoded with the following information: Serial Number, kVA Rating, Number of Phases, High Voltage, Low Voltage, and Percent Impedance. Provide a space between each bit. (Example: 785AE496-33 112.5 3 13,200/7620 480Y/277 2.8%)

5.4.10 The color of the unit shall be ANSI 70, and the paint process shall meet the latest EEI guidelines.

5.5 **TRANSFORMER OIL**

The transformer shall be filled with Type II mineral oil. The oil shall be certified to contain less than one part per million (1 PPM) Polychlorinated Biphenyl's (PCB's) as measured on a dry weight basis. A notice to this effect (compliance with EPA's regulations regarding PCB content of dielectric oil) shall be included on the transformer nameplate. A non-PCB label shall be attached to the unit, just below the Voltage rating of the unit.

5.6 **TESTING**

5.6.1 The transformers furnished under the specification shall be manufactured and tested in accordance with the current issues of NEMA and ANSI standards for distribution transformers, except as may otherwise be specified herein, and shall be in all respects manufactured in accordance with good practice.

5.6.2 Two copies of the certified test reports, which shall include both quoted and actual values, shall be provided prior to or with the shipment of each transformer. Minimum information to be included in each Certified Test Report shall follow that listed as Appendix to Part 1 of ANSI C57.12.90, latest revision.

5.7 **EVALUATION OF LOSSES AND DELIVERY**

5.7.1 Losses shall be evaluated in the appraisal of the bids on self-cooled basis as follows:
Evaluated Cost = Quoted Unit Price + \$NL Value X No Load Losses (Watts) + \$LL Value X Full Load Losses (Watts). Manufacturer is required to extend each unit price utilizing the above formula on the proposal form.

Transformers delivered with no load or total losses higher than quoted may be rejected at the pleasure of CORED. If we choose to keep the unit, failure to meet guaranteed losses (no load or total) will result in application of a deduct on the invoice in accordance with the following:

\$100 will be deducted for each unit that fails to meet manufacturer's guaranteed losses.

5.7.2 \$NL Value = \$5.65 and \$LL Value = \$1.80.

5.7.3 The transformer loss data desired is the guaranteed value of *each* unit of *each* voltage class and kVA size. This specification prevails over ANSI C57. The Engineer will not go through the exercise of averaging loss values by unit type. Manufacturers are strongly encouraged to quote loss values they are confident will be met by each unit. There shall be no tolerance value associated with exceeding the quoted loss value.

5.7.4 Delivery times shall be as soon as possible and will be a factor considered in the evaluation.

5.8 QUALIFICATIONS, INSPECTION, ACCEPTANCE, AND PAYMENT

5.8.1 Qualifications

In order for a supplier to receive consideration, it will be necessary to furnish and submit the information listed in the letter of Pre-Approval and Qualification. Pre-approved, qualified bidders must comply with and pass all of CORED's requirements for transformer manufacturers. Contact the Engineer for the above information, if you are not on the approved list. At this time, the following companies are on the approved list: **ABB/Power Partners, Cooper, G.E., Howard, Ermco, and Maloney Electric.**

5.8.2 Inspection and Acceptance

5.8.2.1 All transformers furnished under this specification will be inspected and tested upon delivery. CORED shall, at all times, have the right to inspect the transformers during manufacture and witness such tests from time to time as CORED may deem advisable and or necessary.

5.8.2.2 Delivery of the units shall not be considered complete, nor shall the unit be considered accepted, without Certified Test Reports.

5.8.2.3 After the transformer designs have been approved by CORED, no transformer shall be furnished or accepted if changes are made by the manufacturer in any respect.

5.8.3 Payment

5.8.3.1 All invoices submitted to CORED for payment shall include as a minimum the following information:

1. The City of Oak Ridge Purchase Order Number,
2. The City of Oak Ridge Transformer ID Number, and
3. The manufacturer's serial number.

CORED will not approve payment of any invoice which is submitted without the above information.

5.8.3.2 No payment shall be considered or approved until delivery of the unit is complete and the unit is accepted.

5.9 ALTERNATE ARRANGEMENTS OR EXCEPTIONS TO SPECIFICATIONS

5.9.1 Bidders shall state all exceptions to these specifications. **An exception to the specification is grounds for rejection of the bid.** CORED may choose to review and consider alternate arrangements, provided complete information for evaluation is included with the alternate bid.

- 5.9.2 No bid will be accepted from an approved manufacturer without complete information for evaluation, **including drawings** and other information requested herein.
- 5.9.3 The terms and conditions of this specification shall prevail. Substitution of manufacturers terms and conditions shall not be entertained. If manufacturer has a specific term or condition that is not in compliance with those specified in this document, he shall list each under 'exceptions to the specification'. Exception to the specification is grounds for rejection of the bid.

5.10 DEVIATIONS

- 5.10.1 CORED shall inspect and test each shipment of transformers to ensure that each transformer received conforms to this specification.
- 5.10.2 Any transformers received that do not comply with this specification in its entirety shall be rejected and returned at the manufacturer's expense.
- 5.10.3 Failure to comply with this specification in its entirety shall result in the manufacturer's immediate removal from CORED approved manufacturers listing.

6.0 PROPOSAL

In submitting this Proposal, the Manufacturer agrees as follows:

The prices set forth herein are firm if accepted by the Owner within thirty (30) days and shall include the cost of delivery to the job site or warehouse (Delivery Site).

Owner will provide unloading at the site.

The equipment shall be delivered to the Delivery Site on or before the Delivery Date. Include delivery date with proposal.

Title of equipment shall pass to the Owner once the equipment has been delivered, satisfactorily inspected for transit damage, and conformance to specification verified.

The Manufacturer agrees that all requests for time extensions shall be in writing, and that only such time extensions as are granted by the Owner in writing shall be considered.

PROPOSAL FORM

TO: CITY OF OAK RIDGE, TENNESSEE

Project / Package: Single Phase Pole Mounted Transformers

Delivery Site: City of Oak Ridge warehouse at 100 Woodbury Lane, Oak Ridge, TN 37830.

Failure to fill out the form is grounds for rejection of quote!

Did you take any exceptions? Yes _____ No _____

Shipment is F.O.B point of delivery? Yes _____ No _____

EEO Form Included? Yes _____ No _____

Two copies of all submittal drawings included? Yes _____ No _____
(This includes an outline dwg!)

Warranty Description Included? Yes _____ No _____

Proposal Valid for 30 days? Yes _____ No _____

List Addenda Received: No. _____ Dated _____
No. _____ Dated _____

2014 Single Phase Pole Mounted Transformer Order

Item	Order Quantity	Transformer ID#	kVA	Unit Price	Gauranteed Losses (watts)			No load X \$5.65	Load x \$1.80	*Extended Price	Delivery Weeks ARO
					No Load	Load					
1	18	1-POL-0025.0-13	25		0	0	0.00	0.00			
Total	18										

* Extended Price =(Unit Price + (No load losses x \$5.65) + (load losses X \$1.80)) x Quantity

Gauranteed losses are for each unit, not an average by type or shipment !

Manufacturer: _____

Address: _____

Signed By: _____

Title: _____

Telephone Number: _____

Fax Number: _____

Date: _____

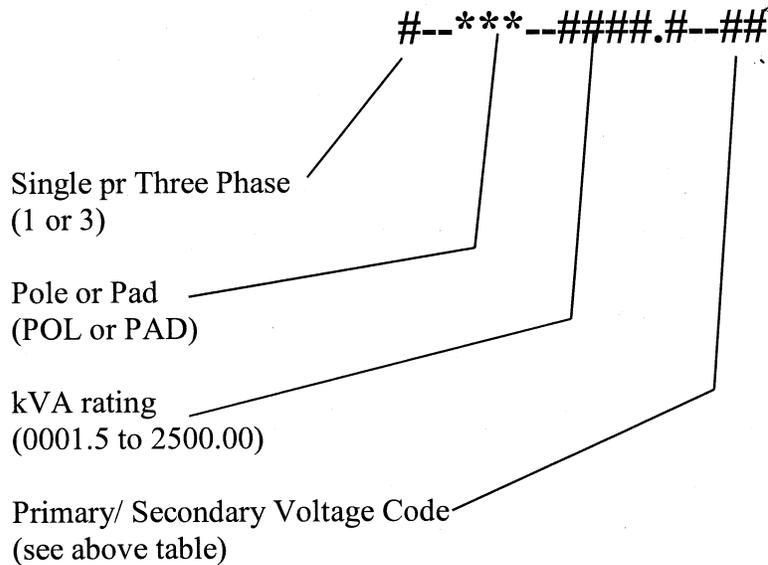
email: _____

document # 1PHPOL.14.DOC

**CITY OF OAK RIDGE
ELECTRIC DEPARTMENT
TRANSFORMER ITEM NUMBER IDENTIFIER**

7620 V L-N Primary		7620/13200Y V Primary	
VOLTAGE DESIGNATION	VOLTAGE	VOLTAGE DESIGNATION	VOLTAGE
01	120	11	120
02	108Y/120	12	208Y/120
03	120/240 or 240/120	13	120/240 or 240/120
04	240 or 240 Delta/120 MT	14	240 or 240 Delta/120 MT
05	240/480 or 480/240	15	240/480 or 480/240
06	277	16	277
07	480Y/277	17	480Y/277
08	480 Delta	18	480 Delta

Transformer Item Numbers are described as follows:



Example:

3-PAD-1000.0-17

This is a Three Phase, Pad-mounted transformer rated 1000 kVA, with a high voltage of 13,200/7620Y and a low voltage of 480Y/277