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FAYETTEVILLE PUBLIC WORKS COMMISSION
955 OLD WILMINGTON RD
P.O. BOX 1089
FAYETTEVILLE, NORTH CAROLINA 28302-1089
TELEPHONE (910) 483-1401
WWW.FAYPWC.COM

July 24, 2023

To: Potential Surplus Transformer Bidders
From: Paula Eckard, Supply Chain Analyst
CC: Elbert Norris, Apparatus Repair Shop Supervisor
Subject: Bid No. PWC2223066 for Surplus Transformer Shipment #658 Pad Mount

The Fayetteville Public Works Commission hereinafter referred to as Commission manages and controls various pieces of equipment. As the legal title holder of equipment, the Commission has approved the sale of equipment by sealed bid. The surplus transformer shipment #658 consists of one (1) lot of 1 pad mount transformers, totaling 2500 KVA.

The Commission will accept sealed bids for this equipment until 2:00 p.m., Thursday, 3 August 2023, at Fayetteville PWC, PO Box 1089, Fayetteville, NC 28301, all bids received shall be opened in public and the amount of each bid announced and recorded.

In order for a bid to be considered, the bidder must be pre-qualified to dispose of transformers. Bidding information may be viewed online at <https://www.faypwc.com/bids/>

The Commission reserves the right to withdraw the equipment from sale at any time and the right to reject any and all bids, waive all informalities concerning a bid or award a bid to the highest responsible bidder.

The successful bidder must remit payment within 30 calendar days from the bid award. The PWC Supply Chain Department accepts wire transfers, certified checks, or money orders as forms of payment. All items must be picked up from the PWC within 10 business days after receipt of payment. The PWC does not provide any loading, packing, shipping, and/or labor assistance for pickups. The successful bidder must arrange and perform all necessary labor to load, pack, ship, and/or remove the items. Property may be removed between the hours of 9:00 a.m. to 12:00 p.m. or 1:00 p.m. to 4:00 p.m. Monday through Friday, excluding State holidays.

Inquiries concerning the bidding process may be made to paula.eckard@faypwc.com, if you have prequalification or technical questions about the units offered, please contact elbert.norris@faypwc.com.

No.	Serial#	KVA	Stock Number	Pri voltage	Sec voltage	Work Cond	Type	weight	Work order	PPM	Manu.	Date O.S.	Co #	YMFG	2023
1	886001219	2500	1-295-883	24.94Dx12.47Y	480Y/277	G	SUB	17710	2204971-03	<1.0	RT	3/14/23	025577	1988	35
2															
3															
4															
5															

Total KVA = 2500.0

Total Lbs= 17710

AVG= 35

Total Units >= 30 years 1
 Total Units >=20 and < = 30 0
 Total Units < 20 0
 Total = 1

150 Kva total=	0
300 Kva total=	0
500 Kva total=	0
750 Kva total=	0
1000 Kva total=	0
2500 Kva total=	2500

Total KVA 2500.0

1-295-665	0
1-295-670	0
1-295-675	0
1-295-677	0
1-295-700	0
1-295-701	0
1-295-705	0
1-295-706	0
1-295-720	0
1-295-721	0
1-295-732	0
1-295-741	0
1-295-747	0
1-295-755	0
1-295-770	0
1-295-775	0
1-295-780	0
1-295-883	1

Total# Units 1

N Total Bad Unit= 0
 G Total Operational Units= 1
 Total= 1

Total# 150 Kva =	0
Total# 300 Kva =	0
Total# 500 Kva =	0
Total# 750 Kva =	0
Total# 1000 Kva =	0
Total# 2500 Kva =	1

Total	1
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Mfg Totals
 AC 0
 ABB 0
 C.E. 0
 C.M. 0
 COOPER 0
 ERMCO 0
 GE 0
 HOWARD 0
 KUHLMAN 0
 MCGRAW EDISON 0
 RTE 1
 WEST 0
 PAUW 0
 Total= 1

#658 3-Phase



Fayetteville Public Works
Commission (Apparatus)
955 Old Wilmington Rd
Fayetteville, NC, 28302-1089

Nameplate Data				Equipment Information	
Serial Number	886001219	Unit ID	SUB	Top Valve (in)	Bottom Valve (in)
Equipment Type	Transformer	Manufacturer	ABB	Hose Length (ft)	Paint Condition
Year Manufactured	1987	Primary KV	7.2	Conservator Tank	Bushings Enclosed
Gallons		KVA Rating	2500	Leaks	Radiators
Phases	3	Fluid type	Mineral Oil	Service Energized	Compartments
Substation Location	Apparatus	Breathing Configuration	Sealed		

Sample Date	05/25/2023	03/03/2022	07/23/2020
Barcode Sample Number	00218111	00160863	00122287
DGA ppm			
Hydrogen		0	2
Methane		18	11
Ethane		2	1
Ethylene		21	15
Acetylene		0	0
Carbon Monoxide		891	619
Carbon Dioxide		4969	2975
Oxygen		4070	1150
Nitrogen		111942	71535
TDCG		932	648
TDCG Rate ppm / day		0.5	-0.2
CO2 / CO		5.58	4.81
DGA Condition		Condition 3	Condition 3
DGA Analysis		Per C57.104-2008, Carbon Monoxide and Carbon Dioxide gases are at a condition 3 level and recommend investigating the source of activity. Per C57.104-2008, the Total Dissolved Combustible Gases (TDCG) indicates the transformer is in a condition 2 state with greater than normal combustible gas level. Recommend establishing a trend as faults may be present.	Per C57.104-2008, Carbon Dioxide gas is at a condition 2 level and recommend investigating the source of activity. Per C57.104-2008, Carbon Monoxide gas is at a condition 3 level and recommend investigating the source of activity.
Operating Procedures		Per C57.104-2008, the rate of TDCG increase warrants additional oil testing and analysis. Exercise caution and evaluate transformer load conditions.	Per C57.104-2008, that rate of TDCG increase allows for continued normal operation.
Sampling Interval		Quarterly	Annually
Moisture (D1533) ppm		3	5
PCB (D4059) ppm	< 1		
Oil Quality	Fluid test has No PCB.		



TRANSFORMER

1110301B03

CLASS OA-FFA 55/65 °C RISE SERIAL NO. 886001210
 KVA 2500/2800-3125/3500 (FUT) 60 HZ THREE PHASE
 IMPEDANCE 5.8 % AT RATED VOLTAGE & BASE KVA
 H.V. VOLTS 12470 X 24940 CAT. NO. 0071GA16A01L
 L.V. VOLTS 480Y/277

H.V. 125 BIL
 L.V. 30 BIL L.V.-N 30 BIL
 H.V. CONDUCTOR AL
 L.V. CONDUCTOR AL
 COOLANT OIL

APPROXIMATE WEIGHTS	
CORE & COIL	7390 LBS
TANK	3860 LBS
FLUID 881 GAL	6460 LBS
TOTAL	17710 LBS
UNTANKING	7390 LBS

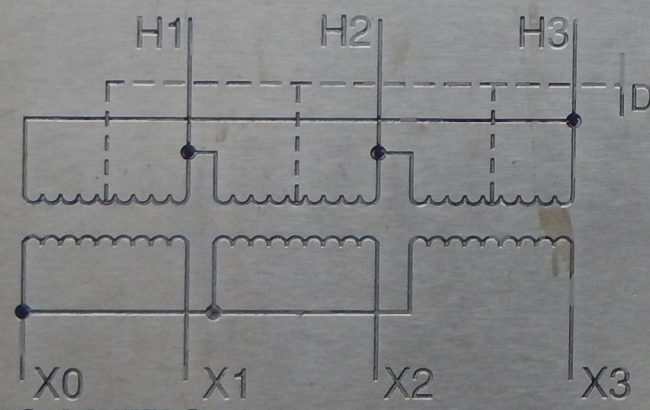
HIGH VOLTAGE	
VOLTS	AMPS*
12470	116
24940	58

LOW VOLTAGE	
VOLTS	AMPS*
480	3007

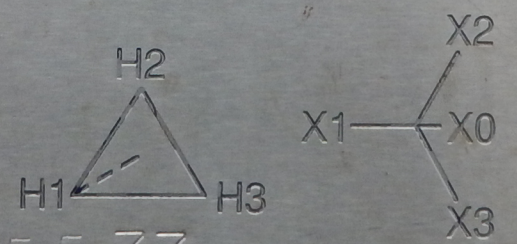
DV SWITCH POS 1 = 12470
 DV SWITCH POS 2 = 24940



*AMPS AT 2500 KVA



BUSHING ARRANGEMENT



CAUTION: FOR PHYSICAL BUSHING ARRANGEMENT - SEE ABOVE.
 INSTRUCTION BOOK NO. IM 815

25°C LIQUID LEVEL 10 INCHES BELOW TOP OF MANHOLE FLANGE. LIQUID LEVEL CHANGES 0.5 INCHES PER 10 °C CHANGES IN LIQUID TEMPERATURE. MAXIMUM OPERATING PRESSURES OF LIQUID PRESERVATION SYSTEM 6.0 PSI POSITIVE AND 2.0 PSI NEGATIVE. TANK DESIGNED FOR 3.0 PSI VACUUM FILLING.

RTE corporation
 WAUKESHA, WISCONSIN



06.22.2023



18pm

025577

06.22.2023



Surplus Transformer Shipment Lot 656
Due August 3, 2023

Bid Pricing Form

Bidders Information

Bidders Name: _____

Street Address: _____

Telephone Number: _____

Email: _____

Print Name and Title: _____

Bidders Authorized Signature: _____

Date: _____

Pricing

LOT	QTY <i>(LOT KVA TOTAL)</i>	UNIT COST	EXTENDED COST
658	2500		