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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. PWC2223069 for Surplus Transformer Shipment #652 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 #652 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](mailto:paula.eckard@faypwc.com), if you have prequalification or technical questions about the units offered, please contact [elbert.norris@faypwc.com](mailto: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	860811-A2	2500	1-295-883	12.47Dx24.94D	480Y/277	G	SUB	1987	2204971-03	<1.0	Square	3/7/23	024426	1987	36
2															
3															
4															
5															

Total KVA = 2500.0

Total Lbs= 1987

AVG= 36

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# 1500 Kva =	0

Total 0

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 0  
 WEST 0  
 Square D 1  
 Total= 1

3-Phase #652



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

Nameplate Data				Equipment Information			
Serial Number	860811-A2	Unit ID	SUB	Top Valve (in)		Bottom Valve (in)	
Equipment Type	Transformer	Manufacturer	SD Myers	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	03/24/2023	03/03/2022	07/23/2020
Barcode Sample Number	00205396	00160860	00122288
DGA ppm			
Hydrogen		0	0
Methane		26	18
Ethane		5	4
Ethylene		80	60
Acetylene		0	0
Carbon Monoxide		874	620
Carbon Dioxide		6330	4104
Oxygen		16690	7874
Nitrogen		137391	87070
TDCG		985	702
TDCG Rate ppm / day		0.5	-0.1
CO2 / CO		7.24	6.62
DGA Condition		Condition 3	Condition 3
DGA Analysis		<p>Per C57.104-2008, Ethylene gas is at a condition 2 level and recommend investigating the source of activity.</p> <p>Per C57.104-2008, Carbon Monoxide and Carbon Dioxide gases are at a condition 3 level and recommend investigating the source of activity.</p> <p>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.</p> <p>CO2/CO ratio indicates excessive overheating and or accelerated aging of cellulose insulation.</p>	<p>Per C57.104-2008, Ethylene gas is at a condition 2 level and recommend investigating the source of activity.</p> <p>Per C57.104-2008, Carbon Monoxide and Carbon Dioxide gases are at a condition 3 level and recommend investigating the source of activity.</p>
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		9	4
PCB (D4059) ppm	< 1		
Oil Quality	Fluid test has No PCB.		



SQUARE D COMPANY

STATION TYPE  
DISTRIBUTION  
TRANSFORMER

KVA  Continuous  
 Pri. Volts   
 Sec. Volts   
 Instr. Book   
 Impulse Level Full Wave  
 Test Pri Volts  KV Bil  
 Sec. Volts  KV Bil  
 Liquid Type   
 Max Operating Pressure:  $\pm 7$  psi  
 Gals  Lbs  
 Core & Coils  Lbs  
 Tank  Lbs  
 Total Weight  Lbs  
 Untanking Hgt  Ins  
 Mfg Date

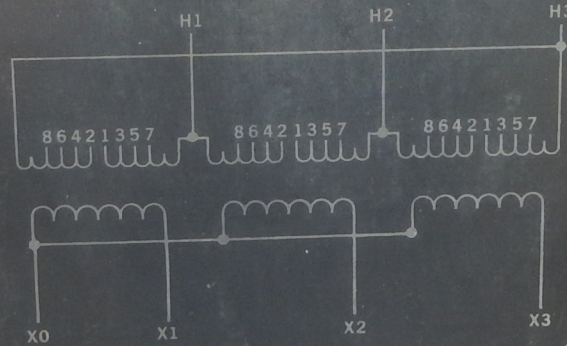
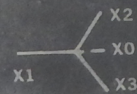
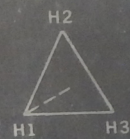
Class   °C Rise  
 Three Phase  Hertz  
 Serial Number   
 Impedance At  °C  
 %OA Rating  
 %OA FA Rating

Tap Connects	Volts	Amps
A 1 TO 2	<input type="text"/>	<input type="text"/>
B 2 TO 3	<input type="text"/>	<input type="text"/>
C 3 TO 4	N/A	N/A
D 4 TO 5	<input type="text"/>	<input type="text"/>
E 5 TO 6	<input type="text"/>	<input type="text"/>
F 6 TO 7	<input type="text"/>	<input type="text"/>
G 7 TO 8	<input type="text"/>	<input type="text"/>

Position 1  Volts  
 Position 2  Volts

**CAUTION**

**DO NOT USE LIQUID OTHER THAN SPECIFIED ABOVE  
DE-ENERGIZE TRANSFORMER BEFORE CHANGING TAPS**



MADE IN U.S.A.

43504-005-15

05.22.2023



2500  
KVA

024426

1-295-883 0005

05.22.2023



**Surplus Transformer Shipment Lot 652**  
**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

<b>LOT</b>	<b>QTY</b> <i>(LOT KVA TOTAL)</i>	<b>UNIT COST</b>	<b>EXTENDED COST</b>
652	2500		