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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

May 15, 2025

To: Potential Surplus Capacitor Controls  
From: Paula Eckard, Supply Chain Analyst  
CC: Elbert Norris, Apparatus Repair Shop Supervisor  
Subject: Bid No. PWC2425079 for Surplus Capacitor Controls

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 Switching Cabinet shipment consists of one (1) lot of forty (40) Control, Capacitor Bank, Digital.

The Commission will accept sealed bids for this equipment until 2:00 p.m., Wednesday, May 28, 2025, at Fayetteville PWC, PO Box 1089, Fayetteville, NC 28301 or 1097 Public Works Drive, Fayetteville, NC 28301 Attn: Paula Eckard. 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 provide loading, packing, shipping, and/or labor assistance for pickups. The successful bidder must arrange and perform all necessary transportation to 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).

**Public Works Commission  
Fayetteville, NC  
Electric Systems Division  
Material Specification**

**1-040-145**

**Revision Date: March 18, 2019  
Revised By: Glenn Andersen**

**CONTROL, CAPACITOR BANK, DIGITAL**

**Description:**

Single-phase, digital capacitor bank control with two modes of voltage control: Classic and Autodaptive Voltage Control. Control's switching decisions are based on measured line voltage conditions from 95.0 to 140.0 Volts in 0.1 Volt increments. Control will have programmable voltage bandwidths and close and open time delays adjustable from 0 to 600 seconds in 1 second increments. Control will also have Fixed and Average Autodaptive Voltage Control Modes employing an inverse timer and bandwidth to optimize bank operation and reduce unnecessary switching. DNP3.0 communication protocol with SCADA "heartbeat" via RS-232 COMM Port **and** Ethernet RJ-45 Copper 10/100 Base-T. The digital capacitor bank controls shall consist of the following features and accessories:

- Model M-6280A Digital Capacitor Bank Control Unit, including:
  - 60Hz
  - English Language Display (20 Character by 2 Row)
  - Voltage Only Control
  - Neutral Unbalance CT Input (200mA secondary current)
  - Comm Port 1: RS-232
  - Comm Port 2: blank
- Model M-2980A Control Cabinet
  - NEMA 4X all-weather Lexan EXL Cabinet
  - Direct Pole Mount Bracket
  - Bottom Interface Hole
  - No Connector Type
  - No Radio Bracket or DC Power Supply
  - Factory Installed Accessories:
    - CSR-2980-FAY1, Alarm Indicator Light, located on bottom-exterior of cabinet
    - B-1351: ¾" NPT HEYCO Liquid Tight Cordgrip
    - B-1350: ½" NPT HEYCO Liquid Tight Cordgrip
    - B-1334-1 Intrusion detection alarm
    - CSR-2980-FAY1, ¾ hole in location 4 for fiber outlet
    - 400-00495-45: Current Transformer, 50:0.2A with 45 Ft. un-terminated, twisted, shielded conductor pair cable

**Performance Standards:**

Control Power Input: 120 VAC nominal

Surge Withstand Capability: Meets requirements of ANSI/IEEE C37.90.1 latest revision

Temperature Range: (-) 40 to (+) 65 degrees C.

**Delivery Standards:**

Control to be factory tested, calibrated, configured and packaged with one set of (3) spare fuses for indoor storage at Customer's facility with installation and operating instructions included in each package.







MODEL M-2800A  
SERIAL# 18893 WO # 121502

**WARNING**

IN NO CASE SHOULD CURRENT CIRCUITS BE  
INTERUPTED WHEN THIS DEVICE IS ENERGIZED  
DO NOT REMOVE AUXILIARY CURRENT  
TRANSFORMERS WITHOUT SHORTING THE  
CURRENT INPUTS. DEATH OR SEVERE  
ELECTRICAL SHOCK CAN OCCUR.

BE-1546 MOD TO Rev D-2  
Beckwith Electric Co., Inc.  
10/1/02/03

FIBER TX RX  
REPEAT FIBER  
SWITCH OPTIC  
SH B A  
RS485

BECKWITH ELECTRIC CO., INC  
6190-118th Avenue North - Largo, Florida 33773-3724 U.S.A  
PHONE (727)544-2326 - FAX (727)546-0121  
www.beckwithelectric.com

FRAMMA RE: D-0254V03.13.06  
MODEL: M-6280A-6EV2200C0  
SERIAL# 18893 WO # 121502

50 Hz 60 Hz			
LOAD CURRENT OPTION:	<input checked="" type="checkbox"/> NONE	<input type="checkbox"/> 5A CT TB2-4, 5	<input type="checkbox"/> 10V ~ LINE POST TB2-4, 5
NEUTRAL CURRENT OPTION:	<input checked="" type="checkbox"/> 200 mA TB1-14, 15	<input type="checkbox"/> 5A CT TB1-14, 15	<input type="checkbox"/> 10V ~ LINE POST TB1-14, 15
	0.2A ~ CONTINUOUS	5.0A ~ CONTINUOUS	10.0V ~ 1.0VA
	0.4A ~ 2 HOURS	10.0A ~ 2 HOURS	
	4.0A ~ 1 SECOND	50.0A ~ 1 SECOND	

VOLTAGE  
0.5A 250V 3AG

TEST  
3A 250V 3AG

SWITCH POWER  
12A 250V 3AB

TB1-1,2,4,7,11,16 12V --- 0.100A  
TB1-5,6,9 240V ~ 10A  
TB1-8,10 90-140V ~ 8VA  
TB2-6,7,8 120V ~ 6A  
TB2-11,12 10-16V --- 5W

TB2  
BACK UP  
POWER  
INPUT  
+12  
-11  
10  
9  
ALARM  
OUTPUT  
NC 8  
COM 7  
NO 6  
LOAD  
CURRENT  
POL 5  
RTN 4  
3  
2  
1

NEUTRAL  
CURRENT  
POL  
RTN

TB1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

CLOSE OPEN  
NEUTRAL  
SW PWR  
LINE

REV:B

Certificate of Quality  
Inspected By: A Date: 1/1/03



## Surplus Capacitor Controls

Due May 28, 2025

### PWC2425079 Bid Pricing Form

#### Bidders Information

Bidders Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Email: \_\_\_\_\_

Print Name and Title: \_\_\_\_\_

Bidders Authorized Signature: \_\_\_\_\_

Date: \_\_\_\_\_

#### Pricing

LOT	QTY	UNIT COST	EXTENDED COST
Capacitor Controls	40 each		