

RESOLUTION NO. 2015- 60

A RESOLUTION AUTHORIZING THE CITY MANAGER TO ENTER INTO AN AGREEMENT WITH COOPER POWER SYSTEMS, LLC OF WAUKESHA, WISCONSIN FOR THE PURCHASE OF A 15kV 3-PHASE VACUUM SWITCH (RVAC) PAD-MOUNTED SWITCHGEAR FOR CLYDE LIGHT & POWER IN THE CITY OF CLYDE; APPROPRIATING FUNDS AND AUTHORIZING THE EXPENDITURE OF MONEYS THEREFORE.

BE IT RESOLVED by the Council of the City of Clyde, State of Ohio:

SECTION 1. That the City Manager be and he is hereby authorized and directed to enter into an agreement with Cooper Power Systems, LLC of 1319 Lincoln Avenue, Waukesha, Wisconsin 53186 for the purchase and installation of a *15kV 3-Phase Vacuum Switchgear (RVAC) Pad-mounted Switchgear* for Clyde Light & Power in the City of Clyde for an amount of \$36,015.00, per the attached quotation.

SECTION 2. That the expenditure of funds for such purchase in the amount of Thirty-six Thousand Fifteen Dollars and Zero Cents (\$36,015.00) be and the same is hereby expressly authorized from the Electric Fund.

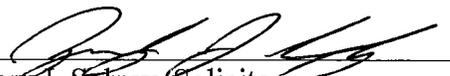
SECTION 3. That this Resolution shall take effect and be in force immediately upon its passage.

Passed: 11-3-15


G. Scott Black, Mayor

Attest: Janet R. Dickman
Clerk of Council

APPROVED AS TO FORM:


Zachary J. Selvey, Solicitor

ATTACHMENT

Cooper Power Systems
by **E.T.N**

Cooper Power Systems Proposal Number: BED9566564
Revision 01

Date: October 07, 2015
Proposal Valid Through: December 02, 2015

Item Details

Item Number: 00002

Customer RFQ Information: Specification: Switchgear Spec 26_13_19 01; Dated: 9/16/2015

Quantity	Unit Price	Extended Price
1	\$36015.00 USD	\$36015.00 USD

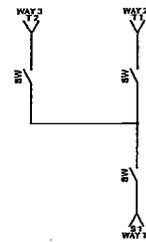
Lead-time (Per Lead-time definition in Proposal Details):
Product Lead-time (X): 22-24 weeks ex-factory - Complex New Design with Relays
Record Drawings REQUIRED.

Description: Cooper Part Number: ENG-PRODUCT-PAD

Unit Description 15 kV 3 Phase Vacuum Switch (RVAC) Pad-Mounted Switchgear

Unit Characteristics

Model 13A Model 13A - 3 Way
Unit Configuration Double Sided
Insulation Medium Mineral Oil Fluid
Tank/Cabinet Material Mild Steel
Paint Color Standard Bell Green (Munsell 7GY 3.29/1.5)
Switch Type Non-Fused
Door Style Side Hinged Doors
Switch Mounting; Operation Style Front Mount, Front Operated



Special Features

Potential Transformers PTs: One Required
PT Location PTs: Location Common Bus Phases
PT Purpose PTs: Motor Op Voltage Supply
PT System Configuration PTs: Sys Config Wye
PT System Voltage PTs: System Voltage TBD
PT Ratio PTs: Ratio TBD
Fault Indicator Provisions Standard Provisions (1.08" Diameter Hole with Cover Plate)
Grounding Provisions 1/2"-13 UNC Stainless Steel Welded Ground Nuts (standard)
Test Report Ship Test Report with Unit
Qty 1 - iDP-210 Relay iDP-210 Relay - KiDPX210M2XA1EN
Auxiliary Contacts Aux Contacts terminated in control enclosure

Way 1 Features

Way Features (S1) Source – Vacuum Switch
Handle One Three-Phase Handle
Bushings 600 Amp Aluminum Deadbreak Bushings
Bushing Accessories None Required
Visible Break Not Required
Motor Operators Motor Operators on All Source and Tap Ways
Motor Operator Voltage 120 VAC Motor Voltage (Customer Supplied)

Phone: 262-524-3286 Fax: E-Mail: DeniseStefl@Eaton.com

Item Number: 00002

Auxiliary Switches	Two Stage Auxiliary Switches on All Source and Tap Ways
Semaphores	Mechanical Position Indicators (Semaphores) on All Source and Tap Ways
Way 2 Features	
Way Features	(T1) Tap – Vacuum Switch
Handle	One Three-Phase Handle
Bushings	600 Amp Aluminum Deadbreak Bushings
Bushing Accessories	None Required
Visible Break	Not Required
Motor Operators	Motor Operators on All Source and Tap Ways
Motor Operator Voltage	120 VAC Motor Voltage (Customer Supplied)
Auxiliary Switches	Two Stage Auxiliary Switches on All Source and Tap Ways
Semaphores	Mechanical Position Indicators (Semaphores) on All Source and Tap Ways
Way 3 Features	
Way Features	(T2) Tap – Vacuum Switch
Handle	One Three-Phase Handle
Bushings	600 Amp Aluminum Deadbreak Bushings
Bushing Accessories	None Required
Visible Break	Not Required
Motor Operators	Motor Operators on All Source and Tap Ways
Motor Operator Voltage	120 VAC Motor Voltage (Customer Supplied)
Auxiliary Switches	Two Stage Auxiliary Switches on All Source and Tap Ways
Semaphores	Mechanical Position Indicators (Semaphores) on All Source and Tap Ways

LINE ITEM NOTES:

Technical

Clarifications and Exceptions:

This unit is of mild steel construction.

- 1) Nominal system voltage and configuration (delta or wye) is required at time of order.
- 2) Communications option is required at time of order.
- 3) Included is an iDP-210 relay and a discrete motor operator control. The motor operator control has hard-wired SCADA however the hard-wired SCADA does not provide for radio communications. The iDP-210 relay is being included to allow for customer supplied radio communications. The iDP-210 will communication with the discrete motor operator control for motor operation. Included with the control system is a battery and battery charger.
- 4) The one-line diagram in Section 2.01A.1 shows a three way unit with switches on all ways, no vacuum fault interrupters are shown. This configuration is a Model-13A switch. Sections of the specification that refer to vacuum fault interrupters do not apply.
- 5) Switchgear and controls are not submersible.

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6) Switchgear is insulated with recycleable mineral oil as opposed to non-recycleable solid dielectric that will be disposed of in a land fill at end-of-life.

7) No overload ratings apply.