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February 29, 2016

**Bid Addendum #1
Electric Cable and Conductor
BID #16-03-018**

- 1. REPLACE ATTACHED SPECIFICATIONS FOR OMU INVENTORY NUMBER 05-067, ITEM #5 ON EXCEL PRICING SHEET.**

Please sign and attach to your bid:

Company Name: _____

Representative: _____

SPECIFICATIONS**FOR****1/C - #1/0 AWG - 19 STRAND ALUMINUM - 15 KV CABLE – 220MIL**

SCOPE: This specification covers single conductor EPR (Ethylene Propylene Rubber) insulated, thermo plastic jacketed concentric cable for use in aerial, direct burial, conduit, open tray, and underground duct installations. This cable is capable of operating continuously at a conductor temperature not in excess of 90 degree C for normal operation, 130 degree C for emergency overload conditions, and 250 degree C for short circuit conditions, and is rated 15,000V, 133 % insulation level (grounded neutral).

STANDARDS: The following standards shall form a part of this specification - ICEA Pub. No S-68-516 (NEMA Pub. WC8) "Ethylene Propylene Rubber Insulated Cable and Wire," Underwriters Laboratories Standard 1072 for Medium Voltage Solid Dielectric Cable (MV90), and AEIC No. 6, latest issue.

CONDUCTOR: The conductor shall be Aluminum Alloy Class B compressed concentric strands per ASTM B231, water-blocked with strand fill.

CONDUCTOR SHIELDING: The conductor shall be shielded with an extruded semi-conducting layer over the conductor, applied in tandem with and firmly bonded to the insulation.

INSULATION: The insulation shall be EPR (Ethylene Propylene Rubber) meeting the requirements of the referenced standards. The average thickness shall be 0.220" (220 cx mils), and the minimum spot shall be not less than 90 % of the average thickness.

NEUTRAL CONDUCTOR: The insulation shall be covered with an extruded layer of semi-conducting thermosetting material, which shall be identified as being semi-conducting. Over this layer shall be a helically applied, and uniformly spaced solid, bare copper wires, equivalent to the main (power) conductor such that the concentric neutral is full size. Fractional size neutral, such as 1/3, will not be accepted.

JACKET: The cable shall be provided with a jacket of black sunlight resistant linear low density Polyethylene encapsulating the neutral wires and conforming to the requirements specified for polyethylene jackets ICEA-S-68-516. The average thickness shall be in accordance with Table 4-3 of ICEA, and the minimum spot thickness shall not be less than 80 % of the average thickness.

IDENTIFICATION: Cable shall be identified by surface printing of the jacket with an extruded red stripe sequential footage marker.

TESTS: Physical and electrical tests shall be conducted in accordance with the requirements of ICEA No. S-68-516 (NEMA WC8), and AEIC No. 6.

OMU Stock #05-067

Furnish on 40" X 30" (Maximum Reel Size Acceptable) Reels 2,000' Per (N-48)