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Kerite powers two North Carolina substations with underground cable solution

SEYMOUR, CT — (August 19, 2015) — Kerite, the U.S.-based manufacturer of high-quality medium- and high-voltage insulated power cable products, completed the installation of 115kV underground transmission cable circuits at two newly constructed substations in High Point, North Carolina.

The installation projects for the City of High Point Electric Utilities Department took place at the new Penny Road and Johnson Street substations, to help power residential and commercial growth in the burgeoning North Carolina city. City utility engineers opted for the underground circuit solution, due to an existing network of overhead power lines at both substation locations. Kerite was chosen for the turnkey projects due to its years of cable manufacturing and installation expertise with 46kV to 138kV cable solutions, particularly those involving congested substation and underground application projects.

The exit circuits ran from terminations inside the substations, underground through installed conduit, to terminations on riser poles located off-site. Work on the risers was done concurrently from a 125-foot aerial man-lift and a crane with a man basket, each one set up and situated between the crisscross of existing overhead circuits. Additional equipment included two 60-foot line trucks and a 100-foot line truck.

When the winds picked up — 20 mph to 30 mph on some days — the lifts and man baskets were prone to dramatic movement. With elevated wind conditions, the riser work was either halted or delayed — the concern for and safety of the crews is a priority on any Kerite project.

Both the Penny Road and Johnson Street substation projects involved fabrication and installation of single-conductor 115kV solid dielectric power cable (approximately 5,000 linear feet total), 115kV terminations, lightning arresters, ground continuity conductors, cable sheath bonding accessories, cable supports, clamps and other cable accessories, with final testing of the circuit once the installation was complete.

To find out more about the High Point installations, please visit www.kerite.com/cityofhighpoint.

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About Kerite

Kerite, founded in 1854 and headquartered in Seymour, Connecticut, is a member of the Marmon Utility Group of companies. For 160 years, Kerite has manufactured the highest-quality insulated utility transmission and distribution power cable, as well as industrial power cable. For more information, call 1.800.777.7483, email info@kerite.com, or visit www.kerite.com.