ABB wireless network to enable centralized monitoring and control in New York

Zurich, Switzerland, January 30, 2017 – Central Hudson to improve efficiency and power reliability with new distribution automation program

Central Hudson Gas & Electric (Central Hudson), has begun territory-wide deployment of an ABB wireless communications network, which will provide a foundation for aggregating multiple utility applications through an integrated distribution automation program. The initiative is part of a major system reformation project to improve network efficiency and reliability.

The distribution automation program will revitalize Central Hudson’s distribution grid, improving the utility’s ability to meet demand for uninterrupted power supply. Reliable communications will be a key element of this program involving the deployment of technologies that will enable the centralized monitoring and control of distribution area devices, for the first time.

ABB’s high capacity and resilient field area wireless network will enable communication between the distribution automation equipment such as electronic reclosers, switched capacitor banks and voltage regulators to the main Distribution Management System.

“The deployment of our wireless communication network in this visionary initiative will contribute to the efficiency and reliability of Central Hudson’s mission critical infrastructure and enable more reliable power supply for consumers,” said Massimo Danieli, Managing Director of ABB’s Grid Automation business unit, a part of the company’s Power Grids division. “This is another example of our Next Level strategic focus on enabling a stronger, smarter and greener grid through increased automation and digitalization.”

Central Hudson will extend the field area network to smaller substations replacing copper based leased lines in a cost effective way and enabling communication with remote terminal units (RTUs), access relays and other key substation devices. The utility’s gas operations will use the network to connect gas regulator stations, enabling remote pressure monitoring.

“The distribution automation program will significantly increase our ability to deliver safe and reliable power and reduce customer energy use by facilitating better voltage control along our system,” said Dave Dittmann, Manager Transmission Operations And Reliability Compliance, Central Hudson. “The field area network is a core element of our plan and will add to the efficiency of our physical operations as well as power flow on the grid.”

ABB (ABBN: SIX Swiss Ex) is a pioneering technology leader in electrification products, robotics and motion, industrial automation and power grids serving customers in utilities, industry and transport & infrastructure globally. For more than four decades, ABB is writing the future of industrial digitalization. With more than 70 million devices connected through its installed base of more than 70,000 control systems across all customer segments, ABB is ideally positioned to benefit from the Energy and Fourth Industrial Revolution. With a heritage of more than 130 years, ABB operates in more than 100 countries with about 135,000 employees. www.abb.com

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