NEWS RELEASE

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Xylem Equips Iowa's Alliant Energy for Rapid Response to Devastating Windstorm
Data from smart utility network enables prompt power restoration and meter mapping

RALEIGH, NC (May 27, 2021) – When an energy utility serves nearly one million customers across a large Midwest service territory, they need to prepare for whatever Mother Nature has in store.

Alliant Energy faced one of the biggest outages in their 40-year history when a derecho–a powerful, widespread windstorm–moved across their service territory last August and knocked out power for 260,000 customers in Iowa. The storm caused $11 billion in damage to homes and businesses throughout Iowa and neighboring states.

After the winds passed, Alliant Energy quickly sprang into action. They used near real-time data from their smart utility network from Sensus, a Xylem brand, to make informed decisions swiftly and restore power for the majority of customers in just a few days.

"It was all-hands-on-deck to get power restored as quickly as possible," said Randy Bauer, Alliant Energy's director of operational resources. "Thankfully, the technology investments we made previously helped provide a roadmap for where we needed to go and what we needed to do."

The utility teams' forward thinking is both a powerful example of the importance of planning ahead and a primer on how to best capitalize on scalable technology. In 2019, they deployed smart infrastructure to provide remote management capabilities that could aid in outage restoration. Their deployment included more than 490,000 Stratus® residential electricity meters and the Sensus FlexNet® communication network, a reliable, two-way system that enables near real-time meter data monitoring.

As the intense winds from the 2020 derecho began to die down, an Alliant team used data from their smart network to execute the outage management and restoration process. Dedicated crews continued working through the harder-hit areas, and power became available to all customers within 16 days.

Between storms, they put their technology to work for meter mapping to prepare for the next adverse event. The utility was using geographic information system (GIS) mapping to help understand the topography of their service area, but they found inconsistency in the data.

This led them to conduct a pilot program with the Sensus phase detection application across 600 electricity meters in the town of DeWitt, Iowa. This extension of the utility's smart network proved capable of detecting the correct phase with 100% accuracy. The Alliant team was so impressed with the results of the pilot program that they plan to extend the capability across their entire service area.

Regardless of where Alliant Energy goes next, the utility team has accurate, reliable data to address future challenges.

"The data we receive helps us better understand what's happening in our service territory," said Bauer. "That allows us to make faster, more informed decisions, and we expect that to benefit our customers for years to come."

Read the case study to learn more about how Alliant Energy is extending the value of their smart utility network investment.

About Sensus
Sensus, a Xylem brand, provides remotely-managed products and solutions that deliver the right data at the right time for investor-owned utilities, cooperatives and municipalities. As part of Xylem's digital portfolio, our smart devices connect with a variety of communication technologies to help customers make timely decisions that optimize electric, gas and water systems. Learn more at sensus.com.

About Xylem
Xylem (XYL) is a leading global water technology company committed to solving critical water and infrastructure challenges with innovation. Our more than 16,000 diverse employees delivered revenue of $4.88 billion in 2020. We are creating a more sustainable world by

enabling our customers to optimize water and resource management, and helping communities in more than 150 countries become water-secure. Join us at www.xylem.com.