

Real-Time Weather Observations for Grid Operations and Management



The integration of real-time weather information into the power grid enables operators and managers to effectively and efficiently operate a grid under changing weather variables enhancing:

- Storm damage response
- Smart Grid intelligence
- Mitigation of power outages and service disruptions
- Demand forecasting and response support
- Consumer demand response programs



Smart Grid Intelligence • Forecasting • Outage Management • Asset Protection • Demand Response



WeatherBug Network: Largest weather network providing proprietary and multi-source real-time information on 27 weather variables including wind speed and direction, lightning, temperature, humidity, and rainfall

WeatherBug Total Lightning Network™: In-cloud and cloud-to-ground lightning detection, known as total lightning, providing advanced severe storm warning capabilities for asset protection and crew safety

StreamerRT: Online weather visualization and modeling tool enabling detailed weather layers on one map with custom views for multi-location monitoring within the service area

GIS & API Weather Data Feeds: Integrated observational and historical weather feeds enable mitigation of outages and service disruptions, Smart Grid intelligence and integrated consumer demand response programs

Weather Stations: Complete weather sensor deployment to improve the visibility of weather at your critical asset locations

Consumer Demand Response: Detailed weather information and forecasts integrated into Demand Response programs provide predictive intelligence on energy consumption and empower users to engage in reducing their carbon footprint

