

## Minimize outage durations, optimize restoration efforts

For the last two decades, extreme weather events have increased in frequency and severity. That's created a significant spike in outages, safety issues, and restoration costs for utility, telecommunication, and emergency management organizations. To keep customers and regulators happy — and the public safe — fast and targeted restoration is a top priority.

Storm Risk Analytics provides valuable insights to help you better understand and prepare for the likely impacts of weather events up to seven days in advance.

With Storm Risk Analytics, you can:

- Objectively initiate incident command procedures
- Secure and mobilize critical resources
- Better protect people and property

By transforming weather forecasts and data into actionable asset damage prediction insights, Storm Risk Analytics improves power restoration efficiencies and supports a higher level of preparedness. With the continued pattern of extreme storms and temperatures, you must move beyond basic weather forecasts to accurately anticipate the impact on your customers and operations. Provide your team with the tools required to optimize restoration times and recovery efforts within your service territory.

"The better data that you have to predict certain things will only help you to put the right resources in place and help you with your decision-making process as you are planning to respond to a weather event."

Jacklyn Ulban  
Manager, business  
resiliency and compliance,  
Unitil Corporation

## Storm Risk Analytics



### Advanced, actionable analytics

Using the latest machine learning technology, Storm Risk Analytics examines historical electric customers-out data and highly accurate weather data on a regional basis to train and optimize outage prediction models for the best forecasts possible. This optimizes outage predictions for your region of interest, and the information is continually updated and improved every six hours using the latest DTN weather forecast.

### Prime features

- Uses regionally trained outage prediction models with historic electric customers-out data
- Updates every six hours
- Harnesses county-level outage prediction
- Tracks multiple events up to seven days into the future
- Customizes the relevant event type
- Easily share pertinent information about the forecast event across your organization
- Includes hourly electric customers-out forecasts, plus maps, tables, and trends
- Archives outage prediction event forecasts

### Prime outcomes

- Better manage restoration crew staffing and materials by accurately anticipating significant weather by type, severity, and location to cost-effectively mobilize contractors in advance and make the right materials available at the right location for repairs.
- Reduce revenue losses by shortening the duration of outages, improving SAIDI/CAIDI scores, and achieving ETR goals to maintain customer confidence and satisfaction.
- Support regulatory responses and avoid public utility commission penalties from extended outage durations. In addition to minimizing punitive actions from excessive outages and customer burdens, you can also objectively request cost recovery if forecasted events do not occur.