

Identifying and Predicting Weather Impacts on Utility Systems

**to be held at Brookhaven National Laboratory
Upton, Long Island, NY – December 3 and 4, 2013**

Severe weather events are one of the greatest threats to electrical grid infrastructure and operations. Many utilities use simple models, coupled with a few weather observations, to predict the impacts of storms. In this workshop sponsored by Brookhaven National Laboratory on December 3-4, 2013, we will discuss the current techniques used for determining potential weather impacts and identify untapped data and modeling resources that may be brought to bear on the problem.

One underutilized source of storm observations is weather radar. Electric utilities can use weather radar measurements to achieve a number of advantages, including: 1-Accurate, more rapid, real-time detection of storm activity, including severe thunder storms; 2-Pinpointing the location of intense storm activity; 3-Accurate estimates of the extent of storm activity; and 4-Historical radar data can be used to develop more accurate storm outage prediction models. These advantages provide the coordination between storm pathway and utility equipment needed for targeted real-time response decisions.

Finally, we will discuss possible paths forward for improving real-time identification and prediction of these important weather impacts.

Presenters:

Michael Jensen
Deputy Division Head,
Atmospheric Sciences Division
Brookhaven National Laboratory

Robert Broadwater
Chief Technology Officer
Electrical Distribution Design, Inc.

Scott Giangrande
Associate Meteorologist
Atmospheric Sciences Division
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Charles Scirbona
Smart Grid Engineering Manager
Orange & Rockland Utilities

Registration

Please use the following link to register for the workshop <http://www.bnl.gov/wius2013/>. To guarantee a smooth organization of the event, we kindly ask you to register by November 25, 2013.

Arriving at BNL

Please consult the BNL website at: <http://www.bnl.gov/maps/>

Contact information:

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