Emergency Management of Electric Utilities Using GIS
Bill Meehan, Director, Utility Solutions

1) Emergency management – the 4 “R’s”
   a) Risk Mitigation
   b) Readiness
   c) Response
   d) Recovery
2) Risk Mitigation
   a) Developing Risk Profiles
   b) Modeling the Optimal Mitigation
   c) Challenges
3) Readiness
   a) Challenges for Readiness
   b) Role of GIS
4) Response
   a) Challenges
   b) Role of GIS
5) Recovery
   a) Challenges
   b) Role of GIS
6) Impact
7) Common Themes of Emergency Management
8) Why GIS is Critical
   a) Common themes of Emergency Management are:
   b) Manage data
   c) Identify vulnerabilities
   d) Develop plans
   e) Maintain situational awareness
   f) Communicate to everyone
   g) Track and manage resources
   h) Support response, incident management and recovery
9) Data
   a) Authoritative
   b) Predictive
   c) Measured
   d) Experiential
   e) Community (VGI)
10) What would the system look like?
    a) Build the common operating picture well in advance of any event.
    b) Establish any contractual issues in the procurement of the data (such as pre- and post-event imagery).
    c) Test the data feeds for proper projection.
d) Optimize the display performance. This might mean caching of the data and should be done in advance.

e) Build and test assessment models.

f) Establish a deployment mechanism, such as where equipment and devices will be staged, procured, configured, and tested.

g) Create a number of dry runs for a variety of simulated events.

h) Integrate the technology with the company’s established emergency plan of operation.

11) Summary