

Utility Risk Analysis: Decreasing operating exposure and improving operations.  
Robert Brook & Bill Meehan

Session Description:

Utilities are the energy conduit for many of our daily activities. The value of their infrastructure is indisputable. The challenge is that as the infrastructure is aging demands are growing. They remain difficult to operate, and failures can result in events with traumatic and far-reaching ramifications. Risk assessments are used to quantify an organization's exposure and to mitigate potential disasters. This session will focus on how GIS is used to model risk, the templates available to the community and best practices for effective implementation.

Presentation Outline:

1. Recent events and the current condition of the nation's infrastructure, in particular our electric and gas systems.
2. What is Risk Assessment?
3. What regulations require risk assessment?
4. What is the difference between mechanical risk assessment and operational risks?
5. How can a GIS system facilitate risk modeling?
6. What templates are available to the utility community for risk modeling?
7. Are there best practices for their implementation?
8. Is there a community for these activities?
9. What is Esri working on for the future?