

Community Risk Management: best practices for modeling, measurement and mitigation.  
Robert Brook, Paul Christin & Chris Thomas

Session Description:

While energy infrastructure is essential to our daily activities, the recent disasters in San Bruno, Philadelphia and Allentown have been strong reminders of the associated danger. This session will focus on the risks infrastructure poses to our local communities, how they can be modeled and what can be done to ensure communities mitigate threats and prepare a response to potential disasters. This will include a discussion of how communities should be communicating to asset operators and emergency response teams.

Presentation Outline:

1. Summary of industry trends and discussion regarding recent events.
2. What risks do our utilities pose to the communities?
3. How do utilities assess their risks and what is the role of GIS?
4. What regulations require gas utilities to work with first responders
5. What is the role of communities and local governments?
6. What is GIS in Critical Infrastructure Protection?
  - a. How is GIS used to facilitate collaboration between the private and public sector?
7. How is GIS used in emergency and disaster response?
  - a. Preparedness
  - b. Mitigate
  - c. Respond
  - d. Recover
8. What are the best data feeds for a coordinated response?
9. How can these threats be mitigated?