



# City and County of SAN FRANCISCO LIFELINES COUNCIL



Gavin Newsom, Mayor  
Edwin M. Lee, City Administrator

## Citywide Post-Disaster Resilience and Recovery Initiative LIFELINES COUNCIL - MEETING #3

Thursday, June 17, 2010  
2:00 PM - 4:00 PM

### Co-Chairs

Edwin Lee, City Administrator  
General Services Agency  
and

Chris Poland, Chair, NEHRP ACEHR  
Co-Chair, SPUR Resilient Cities Initiative  
CEO, Degenkolb Engineers

Lifelines are the systems and facilities that provide services vital to the function of an industrialized society and important to the emergency response and recovery after a natural disaster. These systems and facilities include communication, electric power, liquid fuel, natural gas, transportation (airports, highways, ports, rail and transit), water, and wastewater.  
- American Society of Civil Engineering Technical Council on Lifeline Earthquake Engineering (TCLEE), 2009

## AGENDA

- 1) Welcome and Introductions *Ed Lee and Chris Poland  
Co -Chairs*
- 2) Summary of Previous Meeting (*Attachments*)
- 3) Performance of Lifelines in Chile (*Presentation*) *Laurie Johnson, Ph.D, AICP  
SPUR Board of Directors  
Recovery Initiative Partner*
- 4) ShakeAlert Earthquake Early Warning System  
(*Presentation*) *Richard Allen, Associate Director  
Berkeley Seismological Laboratory*
- 5) Case Study: Telecommunications - AT&T  
(*Presentation*) *Chris Salkeld  
National Security Emergency Preparedness  
Program Coordinator  
and  
Joe Smock  
AVP Network Services*
- 6) Response from Telecom Providers (*Discussion*) *COMCAST, CALTEL  
Wireless Providers*
- 7) Interdependency Response from other Agencies  
(*Discussion*) *All Participants*
- 8) Open Discussion
  - *Interdependency Analysis Strategies*
  - *Next Meeting September 2010 - Topic Discussion*
  - *Announcements*

## LIFELINES COUNCIL CASE STUDY QUESTIONS

- What are the agency design standards for their lifelines and services?
- To what criteria does the agency manage its risk – i.e. size of earthquake, performance standards, operational level?
- To what extent do the existing systems meet the current design standards?
- What are the agencies' response and recovery priorities?
- What assumptions do agencies have about the performance and restoration of other lifeline services?
- What do the agencies hope to gain from being a part of the Lifelines Council?

### LAURIE JOHNSON, Ph.D, AICP BIO

LAURIE JOHNSON, Ph.D. AICP has over 20 years of professional experience in disaster-related consulting, management and research. She has written extensively about the economics of catastrophes, land use and risk, and disaster recovery and reconstruction. She has researched or consulted on recovery following many disasters, including the 2004 and 2005 U.S. hurricanes, World Trade Center collapse, 1997 North Dakota floods, and 1994 Northridge, CA and 1995 Kobe, Japan earthquakes. With a strong multidisciplinary and communications base, her experience is both local and international, and spans a variety of disciplines, public and private sector clients, perils, and phases of disaster management.

In March 2006, she founded her consultancy, working to apply the principles and technologies of risk management and urban planning to solve complex urban problems. Her clients have included: American Planning Association, California Governor's Office of Emergency Services (OES), City of New Orleans, Fritz Institute, Greater New Orleans Foundation, Lexington Insurance, National Science Foundation, and the U.S. Geological Survey. She is the risk management consultant on the La Conchita landslide hazard mitigation study, funded by OES (April 2007 – present) and a disaster recovery advisor for the Southern California Shakeout (M7.8 earthquake) scenario project, funded by the USGS (March 2008 – present). In 2006 – 2007, she was the lead disaster recovery planner and author of the unified citywide recovery and rebuilding plan and comprehensive recovery framework for the City of New Orleans, Louisiana following Hurricane Katrina. She has completed a book for the American Planning Association on the planning for the rebuilding of New Orleans following Katrina.

During her 8-year tenure at Risk Management Solutions (RMS), she helped insurers integrate natural catastrophe risk knowledge within their business. She led the business planning and product management of the global suite of natural catastrophe peril models used by the re/insurance industry to price and manage risk, and which are the scientific core of products accounting for >80% of RMS' revenue. She also developed and led a 24/7 reporting service for the re/insurance industry on global disasters, including loss estimation, real-time web-based communications with clients and the media, field reconnaissance, and post-event analyses. Prior to RMS, she was an urban planner with EQE International and Spangle Associates, Urban Planning and Research.

She recently completed her Doctor of Informatics at Kyoto University, Japan where she is also an International Research Collaborator at the Research Center for Disaster Reduction Systems. Her dissertation focuses on developing a management framework for local disaster recovery. She also holds a Master of Urban Planning and Bachelor of Science-Geophysics degrees, both from Texas A&M University. She is on the Board of Directors of the Public Entity Risk Institute and San Francisco Planning and Urban Research Association. She is a member of the National Research Council's Committee on National Earthquake Resilience: Research, Implementation, and Outreach. She is also a member of the Earthquake Engineering Research Institute, American Institute of Certified Planners, and American Planning Association.