



OFFICE OF THE CITY ADMINISTRATOR

Naomi Kelly, City Administrator

**Lifelines Council
MEETING MINUTES
March 14, 2019
City Hall, Room 305
10:30AM-12:00PM**

Meeting #27

Co-Chairs

Naomi Kelly, City Administrator, City and County of San Francisco
Chris Barkley, AECOM, Private Sector Co-Chair

Represented Agencies

AT&T	San Francisco Controller's Office
AECOM	San Francisco Dept. of Emergency Management
FEMA	San Francisco Fire Department
CalOES	San Francisco City Administrator's Office
Caltrans	San Francisco Department of Technology
Comcast	San Francisco Public Utilities Commission
GGBHTD	San Francisco Municipal Transportation Agency
ABAG/MTC	San Francisco Department of Public Works
Kinder Morgan	San Francisco Office of Resilience & Capital Plng
UC Berkeley	San Francisco Mayor's Office
BART	Port of San Francisco
Wells Fargo	San Mateo Transit District

1. CALL TO ORDER

Lifelines Co-Chair Naomi Kelly called the meeting to order at 10:36am.

2. INTRODUCTIONS AND AGENDA REVIEW

Lifelines Co-Chair Naomi Kelly facilitated introduction of all the participants. Lifelines Co-Chair Chris Barkley thanked everyone who participated in the Cross-Sector Workshop.

3. IMPROVING LIFELINE SYSTEM PERFORMANCE CROSS SECTOR WORKSHOP DEBRIEF

Danielle Mieler provided an update on the key findings from the Cross-Sector Workshop. She noted that being able to look at a common framework will allow us to gain a better understanding of how the situation can look following an earthquake.

Elaine Forbes asked if the goals were based on a performance standard of what we would like to achieve, or was it realistic given the infrastructure and how long it would take to get it back online? Danielle answered that it was a mixture of both and that it is necessary to be realistic in terms of infrastructure. Having a timeframe to work towards in the future would also be helpful. Brian answered since this is the first time looking at shared goals all in one place, it will take some refinement.

Norm Abrahamson asked if confidence or uncertainty estimates were obtained from current restorations, and how confident were they in their values. Danielle answered that these were captured by asking about experiences, detailed risks and engineering assessments outcomes, reviewing studies about other earthquakes and how it was translated into their own system.

Bob Fenton asked if the Lifelines were chosen from critical, privately owned, and publically owned infrastructure and if housing was included. Danielle answered that ASCE definition of critical lifeline infrastructure was used to define the sectors focusing specifically on critical infrastructure, not housing. More focus was put on those who owned the actual physical assets such as Roads and the Port, rather than bus or ferry operators who operate on these infrastructure assets.

Co-Chair Naomi Kelly thanked everyone who was involved in the Cross-Sector Workshop and spoke about how important the sharing of information was across all sectors, which made it so successful.

4. EARTHQUAKE EARLY WARNING

Ryan Arba, Branch Chief for CalOES Seismic Program provided an overview of Earthquake Early Warning and spoke about the ways the State is pushing forward for the project. Ryan discussed the different ways that Shake Alert could be advantageous in various uses other than just as an early detection of an earthquake before it arrives at a destination.

Jennifer Straus discussed some of the advantages to having automated controls and stressed the importance of thinking about additional ways of communication, such as radio and the internet.

Steve Terrin from MTC/ABAG spoke about installing a Cloud Quake device in their Bay Area Metro Center, linking this to the fire alarm system, which sends a message to staff to get prepared that an earthquake is coming. They have also received a proposal from Early Warning Labs to sponsor a regional app.

5. TALL BUILDINGS STUDY

Danielle Mieler gave an update of the Tall Buildings Study which examines the earthquake performance of San Francisco's tall buildings and develop recommendations to address building code requirements, policies and practices for the design of new buildings, assessment and retrofit of existing buildings, and post-earthquake inspection and response to promote the earthquake resilience of San Francisco. The final report released January 2019 can be found on the OneSF website. <http://onesanfrancisco.org/resilient-sf>.

Danielle Mieler is working with the Fire Department to obtain data to start the effort to expand the database of buildings at 75 feet. For rapid recovery, apply DBI to pre-certify post-earthquake inspections using BORP (Building Occupancy Resumption Plan). With large buildings, an engineer will be on retainer, who has reviewed the plans and created a post

inspection plan, so after an earthquake, there is no need to wait for a City Building Inspector, your engineer can come and inspect instead.

Laurie Johnson commented that we need to think about adaptive solutions, such as water and utilities. It does not make sense to have a strong, sound building, but not have any interim solutions in place.

Laurie Johnson and Danielle Mieler were recently in Portland, developing their disaster recovery framework. Seattle, Oakland, Sonoma and Los Angeles have also implemented a disaster recovery framework.

6. OPEN DISCUSSION AND ANNOUNCEMENTS

Danielle Mieler brought up several future meeting topics: Hazards and Climate Risk Update, Priority Routes Project, Fuel. Please let Danielle know if there are any topic ideas for future meetings.

7. NEXT MEETING

Next meeting date is June 6, 2019.

8. ADJOURN

The meeting was adjourned at 12:00pm.

List of Attendees

Naomi Kelly	City Administrator
Danielle Mieler	Office of Resilience and Capital Planning
Brian Strong	Office of Resilience and Capital Planning
Chris Barkley	AECOM
Jennifer Johnston	City Administrator
Josh Gale	San Francisco Public Utilities Commission
Jennifer Strauss	UC Berkeley
Rachel Sierer Wooden	CalOES, Earthquake Early Warning
Scarlett Lam	San Francisco Municipal Transportation Agency
Ryan Arba	CalOES
Sean Elsbernd	San Francisco Mayor's Office
Mark McLean	Controller's Office
Ben Burns	San Mateo Transit District
Nicole Stewart	Kinder Morgan
Cammy Blackstone	AT&T
Steve Terrin	Metropolitan Transportation Commission
Louise Confort	UC Berkeley
Larry Mares	San Francisco Int'l Airport
Laurie Johnson	UC Berkeley, PEER
Bob Fenton	FEMA
Lee-Ann Peling	Comcast
Alicia Johnson	SF Department of Emergency Management
Michael Lennon	Public Works, Bureau of Street Use and Mapping

Cynthia Chono	Public Works
Norman Wong	BART
Peter Ohtaki	Wells Fargo
Jeanine Nicholson	San Francisco Fire Department
Chris Jones	SFPUC
Rod Iwashita	SF PORT
Elaine Forbes	Port of San Francisco
Katie Miller	San Francisco Public Utilities Commission
Norm Abrahamson	UC Berkeley
Nina D'Amato	Department of Technology