



OFFICE OF THE CITY ADMINISTRATOR

Naomi Kelly, City Administrator

**Lifelines Council
MEETING MINUTES
March 1, 2018
City Hall, Room 201
11:30-1:00PM**

Meeting #24 – Restoration Performance Project, California Fuel Set Aside Program, Power Restoration Lessons Learned from Puerto Rico, SFPUC System Improvement Program

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 |
| BART | San Francisco Dept. of Emergency Management |
| Bay Area UASI | San Francisco Fire Department |
| CalOES | San Francisco City Administrator's Office |
| Caltrans | San Francisco General Services Agency |
| Comcast | San Francisco Mayor's Office |
| GGBHTD | San Francisco Municipal Transportation Agency |
| San Francisco Dept. of Technology | San Francisco Department of Public Works |
| Port of San Francisco | San Francisco Office of Resilience & Capital Plng |
| FEMA | San Francisco Public Utilities Commission |
| EBMUD | Metropolitan Transportation Commission |
| SF Card | California Energy Commission |

1. CALL TO ORDER

Lifelines Co-Chair Naomi Kelly called the meeting to order at 11:38am.

2. INTRODUCTIONS AND AGENDA REVIEW

Lifelines Co-Chair Naomi Kelly reviewed the meeting agenda and facilitated introduction of all the participants.

3. FINALIZE LIFELINES COUNCIL CHARTER

Co-Chair Naomi Kelly reviewed and sought input on the Draft Lifelines Council Charter document and Council membership. There were no comments or questions about the Charter.

4. **LIFELINES RESTORATION PERFORMANCE PROJECT**

Co-Chair Naomi Kelly introduced the Lifelines Restoration Performance Project. She spoke about the passion and motivation for this project from Mayor Lee and how he felt that setting goals was so important to know where we are and where we are going. She stated that this will be a baseline assessment that we will build on over time. What is most important is that we identify policies and projects we can do to improve our performance. Danielle Mieler from the Office of Resilience and Capital Planning presented the project scope and work plan. She also discussed the planning scenarios and proposed interview tool for obtaining information for each lifeline system.

Ed Reiskin of SFMTA stated that the citywide view maybe overly simplistic and asked if we are going to try to breakdown the city into smaller geographies. It would be more beneficial to put together to get a lower level view than just being city-wide. Danielle stated that we should decide on a common ground geography for everyone, something that works for everyone.

David Briggs of EBMUD stated the time for recovery of physical pipe networks and services could be months. We should consider gradations of service recovery where services might be provided in a temporary way while the physical restoration is taking place. Danielle responded that this is what the project is considering. Each system should define for itself how and when it can restore the function of the system, whether that is using temporary systems or permanent restoration of the system.

5. **SFPUC: Water System Safety Improvement Program Update**

Raymond Mah from the SFPUC presented the SFPUC Water System Safety Improvement Program (WSIP), a \$4.8 billion dollar capital program to upgrade SFPUC's regional water system. The presentation focused on post-earthquake level of service restoration goals for the regional water system, the AWSS system, as well as the draft level of service goals for the in-city water distribution system and how the SPUC capital programs are funded to support this effort.

Katie Miller from SFPUC described the Level of Service approach to enhancing the resilience of the in-city water system. This approach provides a framework for prioritization, establishing funding, and setting and managing expectations. She described resilience as a balance between prevention (i.e. reducing the potential for damage to the system) and response (allowing for actions to restore the system following an earthquake).

Katie presented ongoing efforts to improve the resilience of the delivery system within the City on this basis. She noted that the "backbone" of the delivery system consists of approximately 50 miles of major pipes that SFPUC is in the process of upgrading. The current pace of upgrades is 2 miles/year for 25 years. Goals include restoring water to critical facilities within 24 hours of an earthquake; restoring a limited network of critical secondary distribution conduits within 72 hours; and restoring drinking water to all homes within 90 days (although this might be accomplished with pipes on the surface). She also discussed upgrades to San Francisco General Hospital using Kubota pipe (Japanese earthquake resistance ductile pipe), a movable pipe to help ensure continuity of service following an earthquake.

Ed Reskein of SF MTA asked how the water supply system works and how resilient is the portion of the system that delivers water from Hetch Hetchy reservoir. Katie Miller responded that the Hetch Hetchy system now meets the Level of Service goals due to the capital program to upgrade the system.

Chris Jones of GGBHTD asked about water supply and performance to the Presidio. Katie Milleer notes that SFPUC supplies water to a turnout at the Presidio but doesn't have knowledge of the performance of the system within the Presidio.

Elaine Forbes of the Port commented on the importance balancing of prevention and response and how this framework is useful for other agencies thinking about the performance of their systems.

6. PG&E: LESSONS LEARNED FROM PUERTO RICO

This presentation was postponed to the June meeting.

7. CEC: CALIFORNIA FUEL SETASIDE PROGRAM

Gordon Schremp from the California Energy (CEC) Commission presented on the roles and responsibilities of the CEC in planning for, and responding to, a fuel emergency such as one that might be created by an earthquake. He described Bay Area fuel challenges and ways to mitigate the challenges. These challenges include:

- California is isolated from the rest of the U.S., in terms of transportation of crude and refining and transportation of petroleum products
- Bay Area refineries are heavily dependent (2/3) on marine delivery of crude
- 75% to 85% of gasoline and jet fuel is delivered by pipeline
- Fuel terminals (e.g. at Brisbane) typically store no more than a 7-day supply
- Interdependencies affect refineries (water, wastewater, chemicals) and retail stations (power, telecom)
- California has no strategic reserves, only the authority to re-direct resources in emergencies

The CEC maintains the State's Petroleum Fuels Set Aside Program (FSAP) which facilitates transactions when fuel cannot otherwise be obtained.

8. OPEN DISCUSSION AND ANNOUNCEMENTS

There was no time for additional discussion.

9. 2018 MEETING SCHEDULE

Next meeting date is June 7, 2018.

10. ADJOURN

The meeting was adjourned at 1pm.

List of Attendees

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| Naomi Kelly | City Administrator |
| Jeanine Nicholson | Fire Department |
| Elaine Forbes | SF Port |
| Chris Barclay | AECOM |
| Jill Raycroft | Department of Emergency Management |
| Chris Jones | GGBHTD |
| Xavier Irias | EBMUD |
| David Briggs | EBMUD |

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|------------------------|-------------------------------------------|
| Amy Ramirez | Bay Area UASI |
| Michael Germeraad | ABAG/MTC |
| Mark McLean | Controller's Office |
| Raymond Lui | Department of Public Works |
| Robert Powers | BART |
| Nina D'Amato | Department of Technology |
| Linda Gerrull | Department of Technology |
| Brian Strong | Office of Resilience and Capital Planning |
| Danielle Mieler | Office of Resilience and Capital Planning |
| Terry Yip | SFMTA |
| Lindy Lowe | SF Port |
| Nick Majeski | City Administrator's Office |
| Ashley Cheng | Mayor's Office of Neighborhood Services |
| Reis Thomas | Department of Homeland Security |
| Caroline Thomas Jacobs | CalOES |
| Monika Stoeffl | California Resiliency Alliance |
| Michael Lennon | Bureau of Street Use and Mapping |
| Norm Abrahamson | UC Berkeley |
| Evermary Hickey | PG&E |
| Sebastian Conn | PG&E |
| Gordon Schremp | California Energy Commission |
| Anne Kronenberg | Department of Emergency Management |
| John Thomas | Public Works |
| Rod Iwashita | SF Port |
| Elaine Forbes | SF Port |
| Norman Wong | BART |
| Raymond Lui | Public Works |
| Edgar S. Castor | Department of Homeland Security |
| Mike Dayton | Department of Emergency Management |
| Jennifer Johnston | Deputy City Administrator |
| Steve Terrin | Metropolitan Transportation Commission |
| Diane Batram | SF Port |
| Raymond Mah | SFPUC |
| Brian Henderson | SFPUC |
| Fuad Sweiss | Mayor's Office |
| Lee-Ann Pelin | Comcast |
| Joanne Taffe | Department of Homeland Security |
| Sean Nozzari | Caltrans |