

Oakland / Alameda Focus Area Working Group Meeting #2

Breakout Group – Mapping asset connections, identifying vulnerabilities

In the first meeting, we mapped the functions and values provided by the OAK/ALA focus area. Today we will map the connections of assets in the focus area. The purpose of this exercise is to increase our understanding of how assets are connected to each other – both within the focus area, and across focus area boundaries – and what sorts of characteristics contribute to asset vulnerability.

Have somebody take notes in the table on the back of this sheet in order to share your group's ideas during the discussion.

1. Your map has 10 labeled assets. With your group, discuss how these assets are connected, drawing lines between assets and using the following descriptions:
 - a. Physical – a pipeline may be physically connected to a storage tank or distribution facility
 - b. Functional – an employment center may rely on BART for many of its employees to commute to work
 - c. Other – a building may provide shelter during an emergency, a water body may flood onto land, facilities may share property or management, etc.
2. Discuss how these assets are connected to assets outside of the focus area.
 - a. What do the labeled assets rely on in order to function?
 - b. What assets rely on the labeled assets and would be harmed by a service disruption?
3. If you have time: Pick one asset from the map and discuss how it might be vulnerable to sea level rise, storm events, and earthquakes. Use the four vulnerability classifications developed by the ART project – Information, Governance, Physical, Functional – and what you learned in the exercise above to guide your discussion.

Example: Elder care facility in Bay Farm Island.

Physical: Building is made from materials that are not waterproof. It was built in the early 20th century and has not been seismically retrofitted. The entrance and first floor, which is inhabited by residents, are at grade. The mechanical and electrical equipment for the building (e.g., elevator, circuit breaker, etc.) are in the basement.

Functional: The residents have special medical needs, including dementia and medication. There is a generator located in the basement with one day's worth of fuel. The home has several days' worth of food in its kitchen at any given time, but relies on weekly deliveries of groceries and trained kitchen staff to prepare meals. Utility services are provided by EBMUD and Alameda Power and Light.

Governance: The facility's emergency response plan is out of date and it does not have a clear channel of communication with the local fire department. Facility staff are not involved in any community emergency response planning efforts.

Information: Emergency responders do not have up-to-date information on the number and needs of residents.

Connections: The facility relies on utility services – water, wastewater, power – which originate outside of the focus area and may have nodes (substation, pump station) within the focus area. It also relies on roads for access – for staff to get to work, family members to visit, food to be delivered, and residents to get to the hospital if necessary.

Assets	Connections
Earhart Elementary – Public elementary school on Bay Farm Island.	
Alameda Fire Station #4 – located in Bay Farm Island, provides services to Bay Farm Island community and Airport.	
Damon Slough – Flood control channel owned and operated by ACFCWCD, mouth of several creeks; wraps around Coliseum on north and east.	
Coliseum BART & Amtrak Stations – Two stations on / near San Leandro Blvd. serving the Coliseum, Airport, local AC Transit lines, and the Capitol Corridor.	
Edes Substation: PG&E substation transmitting power to Oakland and San Leandro.	
Hegenberger Road: Provides access to Airport; owned and operated by the City of Oakland.	
AC Transit Line 73: Runs from Eastmont Transit Center down 73 rd to the Coliseum BART & Amtrak Stations, then down Hegenberger Rd. and Airport Dr. to OAK.	
EBMUD Pump Station G: Located near the airport between Earhart Rd. and Doolittle Dr. Lifts wastewater in the collection system.	
Oakland Fire Station #22: Located on airport property; responds to emergencies at the airport.	
South Field: Commercial (passenger) runway for Oakland International Airport; cargo facilities. Owned and operated by Port of Oakland.	
Tank Farm: Located along the southeastern edge of OAK, next to the Bay; composed of storage tanks and pipelines, which are used to store and transport jet A fuel.	