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ABAG_Resilience
get2resilience

spectrum of acronyms
poor
ABAG
good
Plan Bay Area

GHG
land use + transportation
ABAG resilience program

formerly known as
[earthquake and hazards program]
- INFRASTRUCTURE
- HAZARD MITIGATION & CLIMATE ADAPTATION PLANS
- EAST BAY CORRIDORS
INFRASTRUCTURE

- cascading failure report
- lifelines council
“We rarely see in full the cities that we live in. Focused on our daily lives, urban dwellers are often only dimly aware of the numerous, enmeshed layers of critical infrastructure that quietly hum in the background to make modern life possible.”

(Macro City, 2014)
“Our system is too BIG.”

“We don’t have data.”

“We won’t share the data.”
Risk = Vulnerability \cdot Consequence
abbreviated risk profile = $\sum_{x=a}^{n} (\text{probability of outage } x) \cdot (\text{consequence } | x)$

where $x$ is the outage length
where $c$ is critical point
High Level Exploration of Systems

Reading the matrix from left-to-right shows which systems the designated operator relies on. For example, Airports have a strong interaction with regional roads, but a limited interaction with natural gas. Reading the matrix from top-to-bottom shows which systems rely on the designated operator. For example, all systems have a strong interaction with the fuel system.

Matrix Information Displayed as Scallop Diagram.
The graphic below shows all moderate and strong interactions between systems. The individual systems to the right show which systems rely on the designated operator (same as reading the matrix from top-to-bottom).
The overall interaction and dependency on a particular system (read down each column)

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<th>Regional Roads</th>
<th>City Streets</th>
<th>Electric Power</th>
<th>Natural Gas</th>
<th>Telecom</th>
<th>Water</th>
<th>Auxiliary Water</th>
<th>Wastewater</th>
<th>Transit</th>
<th>Port</th>
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MITIGATION & ADAPTATION PLANNING

- shift in ownership
- focus on action
EAST BAY CORRIDORS

- coordination
- soft story
we may lose all naturally affordable units.

there is potential for displacement

this is a life safety issue.

we've already done this - we can help you.
DISASTER RESILIENCE
mitigation & adaptation

- risk reduction
- sustainability
- equity
- prosperity