

State of California
Seismic Safety Commission

Memo

To: Seismic Safety Commission

From: Fred Turner, Staff Structural Engineer
California Seismic Safety Commission
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Date: September 4, 2013

Subject: Community Action Plan for Seismic Safety in San Francisco

Background

A ten year program initiated by the City and County of San Francisco in 2010 called the Community Action Plan for Seismic Safety (CAPSS) will assess the local jurisdiction's seismic risk and develop a community-supported plan to achieve several seismic resilience goals. The City and County's Earthquake Safety Implementation Program (ESIP) envisions a longer, 30-year effort to significantly reduce earthquake vulnerability. The first major step in this effort was enacted on April 17th, 2013 with Mayor Ed Lee signing an ordinance that requires owners of wood frame buildings with five or more residential units having at least two stories over a weak story and built prior to 1978 to evaluate and reinforce the buildings over the next seven years. Seismic risks posed by other vulnerable buildings and infrastructure are also proposed to be managed and reduced by initiatives in later years.

Patrick Otellini, Director of the CAPSS/Earthquake Safety Implementation Program, will present a summary of his program's activities. This type of effort may serve as an example for other local jurisdictions to consider as they manage their seismic risks.

Staff Recommendation

The staff recommends that Commissioners listen to Mr. Otellini's presentation and consider identifying approaches that might be adaptable and ways to encourage other local governments to initiate similar approaches. This is an informational item and requires no specific action by the Commission.

San Francisco's Earthquake Safety Program



San Francisco: Built World Snap Shot



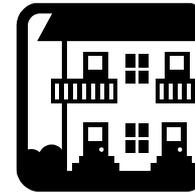
825,863

Total
Population



147,979

Buildings in
San Francisco

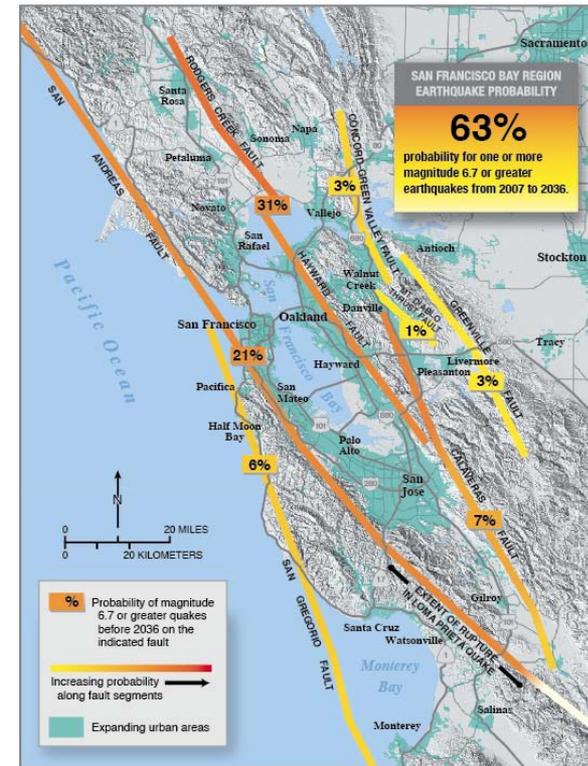
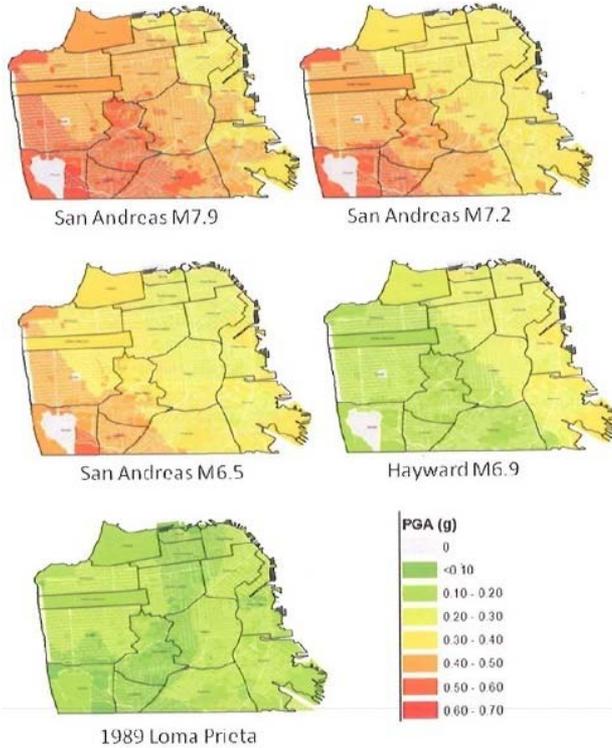


6,381

Noticed Buildings
Soft Story Program



San Francisco: Earthquake County



Community Action Plan for Seismic Safety

ATC 52-2

Here Today—Here Tomorrow: The Road to Earthquake Resilience in San Francisco

A Community Action Plan for Seismic Safety



ATC Applied Technology Council

Prepared for
San Francisco Department of Building Inspection
under the Community Action Plan for Seismic Safety (CAPSS) Project



ATC  **CAPSS**



The Soft Story Ordinance

FILE NO. 130119 AMENDED IN COMMITTEE 3/25/2013 ORDINANCE NO. ~~66~~-13

1 [Building Code - Mandatory Seismic Retrofit Program - Wood-Frame Buildings; Optional
2 Evaluation Form Fee]

3 Ordinance amending the Building Code to establish a Mandatory Seismic Retrofit
4 Program for wood-frame buildings of three or more stories or two stories over a
5 basement or underfloor area that has any portion extending above grade, and
6 containing five or more dwelling units where the permit to construct was applied for
7 prior to January 1, 1978, and the building has not been seismically strengthened;
8 establishing a fee for administering the program; adopting environmental findings and
9 findings of local conditions under California Health and Safety Code, Section 17958.7;
10 establishing an operative date; and directing the Clerk of the Board to forward the
11 legislation to specified State agencies.

12 NOTE: Additions are single-underline Italics Times New Roman;
13 deletions are ~~strike-through Italics Times New Roman~~;
14 Board amendment additions are double-underline;
Board amendment deletions are ~~strike-through normal~~.

15 Be it ordained by the People of the City and County of San Francisco:
16 Section 1. General Findings.

17 (a) At a duly noticed public hearing held on February 20, 2013, the Building Inspection
18 Commission considered this ordinance.

19 (b) The Planning Department has determined that the actions contemplated in this
20 ordinance comply with the California Environmental Quality Act (California Public Resources
21 Code Section 21000 et seq.). Said determination is on file with the Clerk of the Board of
22 Supervisors in File No. 130119 and is incorporated herein by reference.

23 (c) In Section 19160 of the California Health & Safety Code, the State Legislature
24 declared that because of the generally acknowledged fact that California will experience
25 moderate to severe earthquakes in the foreseeable future, increased efforts to reduce

Mayor Lee, Supervisor Chris Wilson, Yee, Farrell, Bessé, Nar, Tang, Cohen
BOARD OF SUPERVISORS Page 1
3/25/2013



Compliance Tier	Submission of Screening Form and Optional Evaluation Form	Submittal of Permit Application with Plans for Seismic Retrofit Work	Completion of Work And Issuance of CFC
I	1	2	4
II	1	3	5
III	1	4	6
IV	1	5	7



Earthquake Safety Implementation Program

Some Current Tasks



Private Schools



Soft Story



Façade Maintenance



The EPICENTER



The **EPICENTER** is a pop-up collaborative space for earthquake policy research and development. The center, a project of the [San Francisco City Administrator's Earthquake Safety Implementation Program \(ESIP\)](#), is aimed at engaging the public, working directly with design professionals, and the hands-on development of effective and innovative public policy aimed at reducing the impacts of earthquakes on San Francisco.

At our [South of Market location](#), The **EPICENTER** strives to *promote an effective, well-managed public sector and nurture a climate of civic engagement* ([SPUR, Good Government](#)) by connecting professionals, policy makers, and the community in one space to ask the question: How can we make San Francisco safer from earthquakes tomorrow than it is today? Our mission, then, is simple: to collaborate, to innovate, and to educate.



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www.sfcapss.org



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