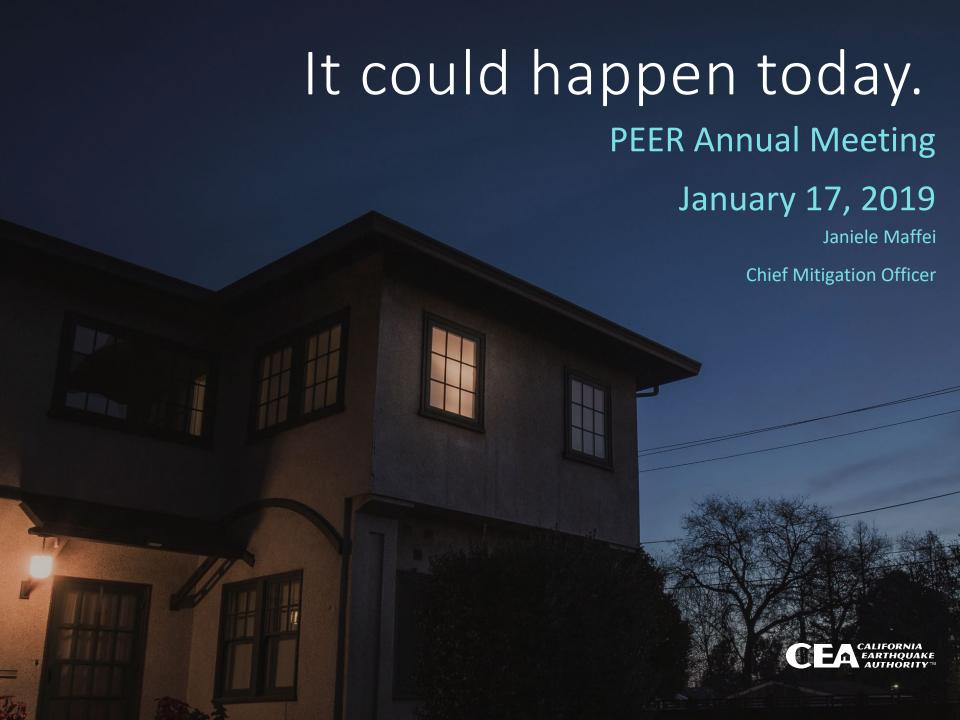
PBEE to Promote Discounts for Single-family Dwellings

Janiele Maffei Chief Mitigation Officer California Earthquake Authority



CEA is a CEA not-for-profit residential earthquake insurer.

CALIFORNIA: MANDATORY OFFER LAW



Earthquake coverage is excluded from homeowners insurance policy

However, insurance companies are required to offer a separate earthquake insurance policy at time of homeowner policy sale.

CEA: ESTABLISHED IN THE WAKE OF NORTHRIDGE EQ

January 17, 1994



1994: NORTHRIDGE EARTHQUAKE



Total Property Damage

\$\$40 Billion

Residential

\$\$20 Billion

Insured Residential

\$\$310 Billion

Aftermath

Most insurance companies stopped writing Homeowners insurance

PUBLICLY MANAGED • PRIVATELY FINANCED

A not-for-profit provider of residential earthquake insurance

GOVERNING BOARD: Governor

Insurance Commissioner

State Treasurer

Non Voting: Assembly Speaker and Senate Rules Chair

PRIVATELY FINANCED: 1,048,000 Policyholders

MISSION: Educate

Mitigate

Insure



















































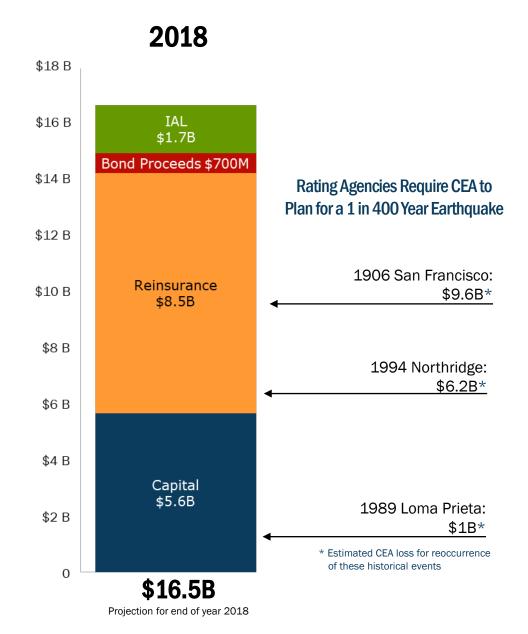




CEA FINANCIAL STRENGTH

Rated as A- (Excellent) by A.M. Best Co.

\$16.5 Billion



Northridge EQ highlighted that earthquake damage control needed for woodframed structures

CUREE/Caltech Woodframe Project

Project Director:
Robert Reitherman, Executive
Director, CUREE

Project Manager:

Professor John Hall, Caltech

Funded by FEMA

CUREE/Caltech Woodframe Project

Element 1: Testing and Analysis

André Filiatrault

Element 2: Field Investigations,

G. G. Schierle

Element 3: Building Codes and

Standards, Kelly Cobeen

Element 4: Economic Aspect,

L. Thomas Tobin

Element 5: Education and

Outreach, Jill Andrews

Northridge EQ Also highlighted need for woodframe earthquake damage assessment tools

CUREE Publication No. EDA-02

GENERAL GUIDELINES FOR THE ASSESSMENT AND REPAIR OF EARTHQUAKE DAMAGE IN RESIDENTIAL WOODFRAME BUILDINGS



Consortium of Universities for Research in Earthquake Engineering

CUREE EDA-02

CUREE EDA-02

Lead author and editor:

Dr. John Osteraas

Funded by the California Earthquake Authority

CEA takes bold steps to embark on a meaningful earthquake damage mitigation program

CEA Mitigation Program

ADOPTION OF RETROFIT STANDARDS

2010 Adoption of Chapter A3 into the IEBC

LEADERSHIP

Legislation to create a Chief Mitigation Officer

Janiele Maffei, S.E. hired as CMO in 2011

RETROFIT INCENTIVES

Development of California Residential Mitigation Program and the Earthquake Brace and Bolt Program

FUND RESEARCH

ATC 110/ FEMA P-1100

CEA / PEER Project

ATC 143 Update of CUREE Guidelines

EarthquakeBraceBolt.com

Financial Incentive for Qualifying Homeowners



Reimburse up to \$3,000 for code-compliant retrofit

For Homeowners to qualify:

- Owner occupied
- Available to all Californians

For Houses to qualify:

- EBB ZIP Code
- Houses constructed pre-1980
- Raised continuous perimeter concrete foundation
- Have wood-framed walls (cripple walls) in the crawl space

EarthquakeBraceBolt.com

Financial Incentive for Qualifying Homeowners



ATC 110/FEMA P-1100

CEA/PEER Project

- Develop evaluation and retrofit methodologies and prescriptive plan sets for the retrofit of single-family residential woodframe houses
- Quantify the expected reduction in damage for the retrofitted residential houses

Our presenters:

Kelly Cobeen, S.E. Dr. David Welch