

State of California
Seismic Safety Commission

Memo

To: Seismic Safety Commissioners

From: **Richard McCarthy**
Seismic Safety Commission
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Date: September 2, 2016

Subject: Update on the HayWired Scenario and its Collaboration
with the Seismic Safety Commission

Update

The HayWired scenario examines the impacts of a M7.05 earthquake on the Hayward Fault in the San Francisco Bay Area by using the most advanced earthquake science in scenario development; preparing potential audiences on the use aftershock and afterslip forecasts in decision making about earthquake preparedness, response, mitigation, and recovery; informing conversations about the building code in terms of expectations and performance; facilitating communications among lifeline operators and critical community functions about restoration interdependencies (including the relationship between Fire Following Earthquake and water supply); informing decision-makers about housing recovery, levee failure and community resilience; and informing decision-makers about workforce, business, and economic resilience.

The HayWired Scenario is to be completed and published in April 18, 2017. Throughout the remainder of the project, SAFRR will work with the USGS Earthquake Science Center in Menlo Park to complete the physical damages; examine and calculate lifeline interdependencies; outline the social, economic and policy implications of the scenario; and develop additional communications products to make the science accessible to the public and other stakeholders.

Recommendation

Staff recommends that the Commissioners listen to Dr. Dale Cox's presentation and be prepared to ask questions.