

## Alexandra Owens

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NOP - Notice of Preparation of a Draft EIR

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Hello, Kathleen—

Thank you for providing the Radford Studio Center Project Initial Study for review. This email conveys the following recommendations from CGS concerning geologic and seismic issues within the Initial Study documents and for the planned Draft EIR:

1. Liquefaction and Landside Hazards

- The Initial Study discusses liquefaction as a potential seismic hazard and notes the site is within a “liquefiable area” per a City of Los Angeles Parcel Profile Report (p. 44). The City should supplement this section with a discussion of CGS Earthquake Zones of Required Investigation (EZRI) for liquefaction and consider providing a map of these zones.
- CGS seismic hazard zone maps and data are available here:

<https://maps-cnra-cadoc.opendata.arcgis.com/datasets/cadoc::cgs-seismic-hazards-program-liquefaction-zones-1/about>

<https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>  
<https://maps.conservation.ca.gov/cgs/EQZApp/app/>

- Cities and counties affected by EZRI must regulate certain development projects within them. The Seismic Hazards Mapping Act (1990) also requires sellers of real property (and their agents) within a mapped hazard zone to disclose that the property lies within such a zone at the time of sale.

2. Fault Hazards

- The Safety Element provides a discussion of the future ground shaking from large earthquakes in the region on page 44. This discussion should be supplemented using earthquake probabilities from the third Uniform California Earthquake Rupture Forecast (UCERF3). A non-technical discussion of this model is available here: <https://pubs.usgs.gov/fs/2015/3009/pdf/fs2015-3009.pdf>

Note the 30-year probability (beginning in 2014) for an M>6.7 earthquake in the Los Angeles Region is 60%. Individual probabilities for the Elsinore, San Jacinto, and Southern San Andreas faults are also available.

- The Initial Study does not provide any maps depicting the locations of Alquist-Priolo Earthquake Fault Zones (APEFZ). They should consider referring readers to the CGS website for a map that is continually updated: <https://maps.conservation.ca.gov/cgs/EQZApp/app/>  
APEFZ GIS data can be found here:  
<https://gis.data.ca.gov/maps/ee92a5f9f4ee4ec5aa731d3245ed9f53/about> (zones)  
<https://gis.data.ca.gov/datasets/cadoc::cgs-seismic-hazards-program-fault-traces/about> (fault traces)

Please let me know if you have any questions.



@CAGEOSURVEY

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*"A team is not a group of people who work together.*

*A team is a group of people who trust each other." – Simon Sinek*

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