

**From:** [Olson, Brian@DOC](mailto:Olson, Brian@DOC)  
**To:** [fnkhan@menlopark.gov](mailto:fnkhan@menlopark.gov)  
**Cc:** [OLRA@DOC](mailto:OLRA@DOC); [OPR State Clearinghouse](#); [Gomez, DarylAnne@DOC](mailto:Gomez, DarylAnne@DOC)  
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3705 Haven Avenue Project

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NOP - Notice of Preparation of a Draft EIR

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Governor's Office of Planning & Research

**Dec 28 2023**

**STATE CLEARINGHOUSE**

Hello Fahteen,

Thank you for providing the City's Notice of Preparation (NOP) of an EIR for our review. This email conveys the following recommendations from CGS concerning geologic and seismic hazard issues within the planned project:

1. Liquefaction Hazards

- The EIR should discuss liquefaction as a potential seismic hazard for the proposed project. The City should include a discussion of 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-cnra-cadoc.opendata.arcgis.com/datasets/cadoc::cgs-seismic-hazards-program-landslide-zones-doc-hosted/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 EZRIs 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 at the time of sale that the property lies within such a zone.

2. Earthquake Ground Motion Hazards

- The EIR should provide a discussion of the probability of large earthquakes in the region. This discussion may include 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>

### 3. Fault Hazards

- The EIR should consider providing maps depicting the locations of Alquist-Priolo Earthquake Fault Zones in the region. The City might also consider referring readers to the CGS website for a map that is continually updated:  
<https://maps.conservation.ca.gov/cgs/EQZApp/app/>
- CGS maps of Alquist-Priolo Earthquake Fault Zones and data are available here:  
<https://maps-cnra-cadoc.opendata.arcgis.com/datasets/cadoc::cgs-seismic-hazards-program-fault-traces/about>  
<https://maps-cnra-cadoc.opendata.arcgis.com/datasets/cadoc::cgs-seismic-hazards-program-alquist-priolo-fault-hazard-zones-1/about>  
<https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>

### 4. Tsunami Hazards

- The EIR should also consider and discuss potential tsunami hazards. The CGS has mapped a Tsunami Hazard Area (THA) near the proposed project. The purpose of a THA is to assist public agencies in identifying their exposure to tsunami hazards. It is intended for local jurisdictional, coastal evacuation planning uses only. Additional information can be found at the links below:  
<https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>  
[https://www.conservation.ca.gov/cgs/Documents/Publications/Tsunami-Maps/Tsunami\\_Hazard\\_Area\\_Map\\_Napa\\_County\\_a11y.pdf](https://www.conservation.ca.gov/cgs/Documents/Publications/Tsunami-Maps/Tsunami_Hazard_Area_Map_Napa_County_a11y.pdf)  
[https://www.conservation.ca.gov/cgs/Documents/Publications/Tsunami-Maps/Tsunami\\_Hazard\\_Area\\_Map\\_Solano\\_County\\_a11y.pdf](https://www.conservation.ca.gov/cgs/Documents/Publications/Tsunami-Maps/Tsunami_Hazard_Area_Map_Solano_County_a11y.pdf)  
[https://www.conservation.ca.gov/cgs/Documents/Publications/Tsunami-Maps/Tsunami\\_Hazard\\_Area\\_Map\\_Sonoma\\_County\\_a11y.pdf](https://www.conservation.ca.gov/cgs/Documents/Publications/Tsunami-Maps/Tsunami_Hazard_Area_Map_Sonoma_County_a11y.pdf)
- The City should also check to see if the proposed project includes a Tsunami Design Zone within the California Building Code (CBC). The CBC requires certain design standards for essential/critical or larger structures. The following website provides additional information regarding Tsunami Design Zones: <https://asce7tsunami.online/>.

Please let me know if you have any questions.



@CAgeosurvey  
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**Brian Olson, CEG**  
**Senior Engineering Geologist**  
**Seismic Hazards Program**

**14** Years of Public Service

**California Geological Survey**

320 W. 4th Street, Suite 850, Los Angeles, CA 90013  
M: (213) 507-1080

*"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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