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To: GeneralPlanEIR@redondo.org
Cc: [OPR State Clearinghouse](#); OLRA@DOC
Subject: Redondo Beach General Plan Update, Zoning Code Update and Local Coastal Program Amendment Number 2023050732
Date: Monday, June 19, 2023 1:37:29 PM
Attachments: [image001.png](#)



Dear Sean Scully,

The California Geological Survey (CGS) has received the Notice of Preparation of a Draft Environmental Impact Report (DEIR) for the Redondo Beach General Plan, Zoning Code Update and Local Coastal Program Amendment Project. This email conveys the following recommendations from CGS concerning geologic issues related to the project area:

1. Liquefaction Hazards

Parts of the City of Redondo Beach are located within an earthquake zone of required investigation (ZORI) for liquefaction mapped by CGS. The DEIR and supporting documents should address this hazard as it relates to zoning and the design of proposed structures. Additional information is available at the links below:

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

2. Tsunami Hazards

Portions of the City of Redondo Beach are located within a Tsunami Hazard Area (THA) mapped by CGS. The purpose of a THA is to assist cities and counties in identifying their exposure to tsunami hazards. It is intended for local jurisdictional, coastal evacuation planning uses only. The City should consider addressing tsunami hazards in the DEIR. Additional information is available at the link below:

<https://maps.conservation.ca.gov/cgs/informationwarehouse/> (Tsunami Hazard Area menu tab)

Parts of the City of Redondo Beach are also located within the Tsunami Design Zone within the California Building Code (CBC). The CBC requires certain design standards for essential/critical or larger structures. The City should evaluate what the Tsunami Risk Category is for project structures and the effect on zoning and the design of the proposed structures. The following website provides additional information regarding the Tsunami Design Zone:

<https://asce7tsunami.online/>

3. Ground Shaking Hazards

The City of Redondo Beach does not currently include an Earthquake Fault Zone mapped by CGS. However, several Quaternary-age faults are nearby, and the site could be subject to significant ground shaking. The DEIR and supporting documents should address this hazard as it relates to zoning and the design of the proposed structures. Additional information about ground shaking hazard can be obtained at the following sites:

<https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=14d2f75c7c4f4619936dac0d14e1e468>
<https://earthquake.usgs.gov/scenarios/catalog/bssc2014/>

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If you have any additional comments or questions, please feel free to call or email.

Thank you,
Judy Zachariasen



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