

From: Zachariasen, Judith@DOC
To: generalplaninfo@cityoflagunaniguel.org
Cc: [LCI State Clearinghouse](#); OLRA@DOC
Subject: Laguna Niguel General Plan Update - NOP - SCH No. 2025050495
Date: Monday, June 9, 2025 12:17:58 PM
Attachments: [image001.png](#)

Dear Starla Barker,

The California Geological Survey (CGS) has received the Notice of Preparation of an Environmental Impact Report (EIR) for the Laguna Niguel General Plan Update Project. This email conveys the following recommendations from CGS concerning geologic issues related to the project area:

1. Ground Shaking Hazard

The project area is located east of the offshore portion of the Holocene-active Newport-Inglewood-Rose Canyon fault system. The proximity of the city to this fault system, and to additional active faults located in the region, indicates that the site could be subject to significant ground shaking during the general plan period of applicability. The EIR and supporting documents should address this hazard as it relates to community safety and design of any proposed developments.

Additional information about ground shaking hazard can be obtained at the following sites:

[https://usgs.maps.arcgis.com/apps/webappviewer/index.html?](https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=14d2f75c7c4f4619936dac0d14e1e468)

[id=14d2f75c7c4f4619936dac0d14e1e468](https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=14d2f75c7c4f4619936dac0d14e1e468)

<https://earthquake.usgs.gov/scenarios/catalog/bssc2014/>

2. Liquefaction and Landslide Hazards

The project area is located within earthquake zones of required investigation (ZORI) for liquefaction and landslides mapped by CGS in accordance with the 1990 Seismic Hazards Mapping Act. The EIR and supporting documents, in addressing these hazards, should mention the ZORI, include a map showing their extent in the project area, and explicitly address the regulatory implications of the zones for future development.

Additional information regarding liquefaction and landslide hazard ZORI is available at the links below:

<https://maps.conservation.ca.gov/cgs/informationwarehouse/eqzapp/>

<https://maps.conservation.ca.gov/cgs/informationwarehouse/regulatorymaps/>

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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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