

**Feb 16 2024**

**STATE CLEARINGHOUSE**

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**From:** Zachariasen, Judith@DOC <Judith.Zachariasen@conservation.ca.gov>  
**Sent:** Friday, February 16, 2024 9:49 AM  
**To:** housing@cityofpacificgrove.org  
**Cc:** OLRA@DOC <OLRA@conservation.ca.gov>; OPR State Clearinghouse <State.Clearinghouse@opr.ca.gov>  
**Subject:** Pacific Grove Housing Element Update, Zoning Amendments, and General Plan Amendments Project - SCH No. 2024010897

Dear Alyssa Kroeger,

The California Geological Survey (CGS) has received the Notice of Preparation of a Draft Environmental Impact Report (DEIR) for the Pacific Grove Housing Element Update, Zoning Amendments, and General Plan Amendments Project. This email conveys the following recommendations from CGS concerning geologic issues related to the project area:

1. Ground Shaking and Surface Fault Rupture Hazards

The project area is located within the broad extent of the Monterey Bay-Tularcitos fault zone, with fault traces mapped on either side and trending toward, but not currently through, the City of Pacific Grove. However, the distributed nature of this fault zone, and the presence of mapped fault traces trending toward the city, suggest the possibility that as-yet unmapped fault traces that could pose a surface rupture hazard may exist in the city as well. In addition, the proximity of the city to this fault zone, and to additional active faults located to the east and west, indicates that the site could be subject to significant ground shaking during the life of the project. The DEIR and supporting documents should address these hazards as they relate to the project components and design of any 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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Additional information about surface faults can be obtained at the following site:

<https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=5a6038b3a1684561a9b0aadf88412fcf>

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2. Tsunami Hazards

Most of the coastal region of the City of Pacific Grove is located in a designated Tsunami Hazard Area mapped by CGS. The DEIR should address this hazard as it relates to the project components and design of any proposed structures.

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Additional information about tsunami hazard can be obtained at the following site:  
<https://maps.conservation.ca.gov/cgs/informationwarehouse/> under the Tsunami Hazard Area tab.

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### 3. Landslide and Liquefaction Hazards

CGS has not yet evaluated the area around the Project location for liquefaction and landslide hazards. Therefore, the absence of CGS-mapped Zones of Required Investigation does not indicate the absence of a hazard. The DEIR should address these hazards as they relate to the project components and design of any proposed structures.

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

Thank you,  
Judy Zachariasen



**Judith Zachariasen, PhD, PG, CEG**

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