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Strive San Mateo General Plan 2040 and Climate Plan Update

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Hello, Cindy—

Thank you for providing the City's Draft EIR for the 2040 General Plan for our review. This email conveys the following recommendations from CGS concerning geologic issues within the General Plan documents:

1. Liquefaction and Landside Hazards

- The Draft EIR discusses liquefaction and landsliding as potential hazards and provides a map of "Liquefaction Potential" and "Slope Failure Potential" based on the ABAG Hazard Viewer Map (Figure 4.6-4). CGS notes the slope failure potential depicted in Figure 4.6-4 represents "rainfall-induced" landsliding, not "earthquake-induced" landsliding, which is a related, but unique seismic hazard. The City should consider providing an additional discussion of this hazard.
- The City should supplement these sections with a discussion of official CGS Earthquake Zones of Required Investigation (EZRI) for both liquefaction and earthquake-induced landslides, and consider providing a map of these official zones, which are more extensive than those provided by ABAG.
- CGS 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 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 at the time of sale that the property lies within such a zone.

2. Radon Hazards

- The Draft EIR does not address indoor radon gas hazards; however, part of the City is within an area mapped by CGS with "High Radon Potential".
- The City should provide a discussion of both the health hazards and geologic sources of radon gas, and consider including a map of CGS radon potential zones within the proposed project from CGS Special Report 226, entitled "Radon Potential in San Mateo County, California".
- CGS maps and data are available here:

<https://maps.conservation.ca.gov/cgs/radon/app/>

<https://gis.data.ca.gov/datasets/cadoc::cgs-mineral-hazards-indoor-radon-potential-zones/about>

<https://www.conservation.ca.gov/cgs/minerals/mineral-hazards/radon>



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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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