

*Southern California Edison*  
*2023-WMPs – 2023-WMPs*

**DATA REQUEST SET S P D - S C E - 2 0 2 3 - 0 0 3**

**To: SPD**  
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**Job Title: Wildfire Safety – Sr Advisor**  
**Received Date: 5/15/2023**

**Response Date: 6/9/2023**

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**Question 03:**

How is SCE incorporating subsurface variability (e.g., encountering hard rock, slope, or other conditions presenting significant, physical obstacles) into undergrounding cost calculations? Provide an example.

**Response to Question 03:**

The spreadsheet provided in SCE’s response to Q2, “SPD-SCE-2023-003 Q2 Cost Estimate.xlsx,” shows how SCE is incorporating subsurface variability (e.g., rocky, hilly terrain) and other factors (e.g., rerouting, permitting/construction difficulties) into the undergrounding cost calculations. For example, in areas that have hilly, rugged terrain, with a significant re-routing required (pictured below) and complex environmental considerations, SCE estimates the unit cost could be at least \$4.5 million.

The figure below shows an example of a necessary re-route. The picture on the left shows the current overhead line path, crossing a steep, hilly terrain. The lines may need to be moved to the road to avoid environmental/operational considerations associated with heavy equipment access to construct and/or maintain lines, as shown in the picture on the right. Re-routing requires an additional length of underground trench, conductor, labor, and materials.

Current overhead line path	New planned UG circuit path re-routed to road
	