

*Southern California Edison*  
**RTRP A.15-04-013**

**DATA REQUEST SET A1504013 ED-SCE-10**

**To:** ENERGY DIVISION  
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**Question ALT-1:**

**Provide a revised preliminary engineering layout for Alternative 4 that locates the underground duct banks within Landon Drive, versus on the adjacent property to the south side of the road (refer to attached map).** Southern California Edison has recently indicated that this is feasible. The revised preliminary engineering should include the potential locations for vaults, tubular steel riser pokes, and lattice steel towers as indicated on the attached map.

**Response to Question ALT-1:**

Attached are the GIS files for the revised Alternative 4 alignment located within Landon Drive. This modification to the previous Alternative 4 alignment was based on the CPUC's request that SCE avoid undeveloped parcels of land along the south side of Landon Drive.

The information depicted herein is conceptual, representing designs preliminarily deemed appropriate for the Riverside Transmission Reliability Project (RTRP) based on planning level assumptions, analyses performed to date, and known conditions. This information should not be assumed to depict the final alternative route, including the location and/or number of vaults. If implemented, the precise alternative design, including the location and number of the depicted vaults, would be subject to change following completion of final engineering, identification and/or verification of field conditions, completion of underground surveys, availability of labor, material, and equipment, compliance with applicable environmental and permitting requirements, and other factors, including completion of the 220kV cable system design, establishment of cable reel lengths with the awarded cable vendor, and completion of required subsurface investigations.

At this time, SCE is unaware of any subsurface facilities or objects that would preclude the alignment from being constructed within Landon Drive. There have been no subsurface investigations performed in support of these routes. The presence and location of any such subsurface facilities and/or objects may alter the information presented herein. Subsurface investigations will be needed to advance the 220kV underground engineering and determine what, if any, adjustments may need to be made to the layout and design.

SCE has assumed that utilities which: (1) cross the path of the 220kV underground duct bank;

and/or (2) are heat generating or heat sensitive that may be adversely impacted by the heat produced by the proposed underground lines, can either be avoided to provide sufficient thermal distance and/or relocated. In the event crossing utilities cannot be feasibly relocated, SCE has assumed the 220 kV underground duct bank may be installed deeper, shallower or at some offset distance while simultaneously being constrained to incorporate duct bank sweeps of at least a 40-60 ft. minimum radius. SCE has not assumed the need for any trenchless construction techniques for the depicted alternative route.