

**From:** [Andrew Breyer](#)  
**To:** [O'Connor, Kevin](#); [Cindy Muller](#); [Russell Carr](#)  
**Subject:** PG&E Application Responses  
**Date:** Wednesday, May 27, 2020 3:09:46 PM

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[External Email]

Hey Kevin,

Sorry for the delay here, please see our preliminary response below. There are a few items about the load that we would like the City to sync with our existing application. Cindy and I can brief you over the phone at some point over the next week on that. Let us know if your team has any questions with these or if there is a concern with the level of detail needed at this point.

- Please review the description of type of load: summer or winter peaking, daily cycling, residential, commercial, (heavy, light) industrial, pump, dispatchable.

Mixed use development. Primarily commercial and residential.  
Please sync all load assumptions with Google's application.

- If Google has identified the Power Factor associated with the forecast 2026 and 2035 demands, please provide it.

No power factor has been identified . However a transmission connection has to maintain power factor between 0.97 lag to 0.99 lead so the design of the site will be held to this.

- Attachment 3 – Load Forecast. Please provide monthly demand and energy for 5 – 10 years.

Please sync all load assumptions with Google's application.

- Please review and comment on Attachment 4 – General Arrangement

This is an approximate space plan for the Google substation that Arup mocked up some time ago. No comments on this. The GIS arrangement may not be necessary in a tapped arrangement.

- Please provide input re: pumping plants and industrial facilities, starting KVA and power factor of the largest motor or group of motors

Early stage of the project, we do not have this information. However, as stated earlier this is a mixed use development. Primarily commercial and residential. Please sync all load assumptions with Google's application.

- Please review and comment on Attachment 5 – Single Line Diagram

Tapped arrangement. It is our understanding that PG&E will not accept this as these are CAISO controlled transmission lines. PG&E to confirm.

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