

From: [Redacted]  
Sent: 10/12/2010 5:14:33 PM  
To: 'Simon, Sean A.' (sean.simon@cpuc.ca.gov)  
Cc: Allen, Meredith (/O=PG&E/OU=Corporate/cn=Recipients/cn=MEAe); [Redact]  
[Redacted] [Redacted]  
[Redacted]  
Bcc:  
Subject: RE: PG&E Map

Sean -- Thanks for the link. I happened to be talking w/ my GIS guy on the phone when you sent this e-mail and he was explaining to me how the KMZ is the zipped version of the KML. PG&E is using KML format for its PV Map. Yes, pls have the developer contact PG&E, preferably through the PV Program e-mail address so our folks can keep track of communications.

Thanks

[Redacted]  
PG&E  
[Redacted]

**From:** Simon, Sean A. [mailto:sean.simon@cpuc.ca.gov]  
**Sent:** Tuesday, October 12, 2010 4:53 PM  
**To:** [Redacted]  
**Subject:** RE: PG&E Map

John,

Thanks for following up. I am not personally familiar with this either file format either, but based on the information provided in the link below you may not need to do much more with the map you are providing, assuming your GIS guy is correct. I will follow up with the developer(s) I heard this from and tell them to just contact you directly.

[http://www.gearthblog.com/blog/archives/2005/09/google\\_earth\\_fi.html](http://www.gearthblog.com/blog/archives/2005/09/google_earth_fi.html)

Regards,  
Sean

Sean A. Simon | Energy Division - Analyst | CA Public Utilities Commission | Tel (415) 703-3791

<http://www.cpuc.ca.gov/renewables>

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**From:** [Redacted]  
**Sent:** Tuesday, October 12, 2010 3:27 PM  
**To:** Simon, Sean A.  
**Subject:** RE: PG&E Map

Sean -- Based on what my GIS guy is communicating, our file format is KML, not KMZ. Is it possible that you meant KML in your initial e-mail below? I also have a follow-up phone call into my GIS guy to see if KMZ format has any meaning to him. Unfortunately, all this file formatting stuff is just Greek to a lowly distribution engineer like myself.

Just want you to know that I haven't forgotten about this!

Thanks

[Redacted]  
PG&E  
[Redacted]

**From:** [Redacted]  
**Sent:** Monday, October 11, 2010 11:32 AM  
**To:** 'Simon, Sean A.'  
**Cc:** Allen, Meredith; 'Marks, Jaclyn'; [Redacted] [Redacted]  
**Subject:** RE: PG&E Map

Sean,

I am in communication w/ our GIS and website folks regarding the data format. I will forward you an answer once I get one from them.

With respect to your question about how PG&E's map would change over time: The map under the current methodology will change over time. PG&E installs and/or replaces existing transformers with larger transformers at a rate of approximately 10 to 50 annually. I think we have about 450 "boxes" on our PV map, so the change rate might be somewhere around 1 to 10 percent annually. Please note that this change rate is based on work PG&E is performing on the system, not as a function of solar projects being added. However, depending on how the PV program evolves, the types and sizes of systems installed, etc., it is possible that we may need to modify the map in the future to reflect previously installed PV projects.

Of course, this change rate is based on the assumption that we keep the same methodology moving forward. As I noted in the conference call last week, I hope that through developer feedback, examples of how other utilities are handling (please remember to send me the Ontario link you or Jaclyn discussed during the call), the experiences we, SCE and others have w/ similar programs, Re-DEC, etc. will help provide insight that we can use to modify future versions of the map that: a) are useful to developers; b) manageable from an implementation perspective; c) addresses confidentiality and/or security concerns as appropriate.

Please contact me if you have any additional questions.

Thanks

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PG&E  
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**From:** Redacted  
**Sent:** Wednesday, October 06, 2010 4:04 PM  
**To:** 'Simon, Sean A.'  
**Cc:** Allen, Meredith; Marks, Jaclyn; Redacted Redacted  
**Subject:** RE: PG&E Map

Sean -- I forwarded your comment regarding KMZ to the person in our Graphic Information Service dept. He is not in the office today and I am not in the office tomorrow or Friday. I will follow-up on this item, and answer your question, on Monday when I return.

Thanks

Redacted  
PG&E  
Redacted

**From:** Simon, Sean A. [mailto:sean.simon@cpuc.ca.gov]  
**Sent:** Wednesday, October 06, 2010 3:56 PM  
**To:** Redacted  
**Cc:** Allen, Meredith; Marks, Jaclyn  
**Subject:** PG&E Map

John,

Following up on our conversation. One request and one question.

Comment: Staff have heard from several developers that SCE's map is more user friendly because the data is published in a KMZ format, which can be used as a Google Earth layer in conjunction with other software. SCE identifies the date of the KMZ file so that stakeholders/developers know the vintage of the information. Please look into using this format for PG&E's location map.

Question: Since PG&E's location information seems primarily based on the substation and transformer capacity, I am wondering how PG&E's map would change over time as solar projects are added to the system. It strikes me that the map under the current methodology would change very little over time, unless significant distribution upgrades occur. Would you agree?

Regards,  
Sean

Sean A. Simon | Energy Division - Analyst | CA Public Utilities Commission | Tel (415) 703-3791

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