**ORA DATA REQUEST**

**A.15-04-012: San Diego Gas & Electric Company (SDG&E)**

**SDG&E TY2016 General Rate Case Phase 2 Amended Application**

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| Date: 1/22/2016 |  |
| To: **Parina P. Parikh**Regulatory Case Manager**Thomas R. Brill**Counsel for SDG&E | Phone:Email: PParikh@SempraUtilities.com Phone: (858) 654-1601Email: TBrill@semprautilities.com  |
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| From: **Lee-Whei Tan**Project Coordinator **Aaron Lu** Project Coordinator**Greg Heiden** Attorney for ORA | Phone: (415) 703-2901Email: lee-whei.tan@cpuc.ca.gov Phone: (415) 703-2409Email: aaron.lu@cpuc.ca.govPhone: (415) 355-5539 Email: gregory.heiden@cpuc.ca.gov  |

**Re: Data Request No.** **ORA-A.15-04-012 Amended-SDGE-008**

**Responses Due: 2/05/2016**

**Instructions**

You are instructed to answer the following Data Requests in the above-captioned proceeding, with written, verified responses per Public Utilities Code §§ 309.5 and 314, and Rules 1.1 and 10.1 of the California Public Utilities Commission’s Rules of Practice and Procedure. Restate the text of each request prior to providing the response. For any questions, email the ORA contact(s) above with a copy to the ORA attorney.

Each Data Request is continuing in nature. Provide your response as it becomes available, but no later than the due date noted above. If you are unable to provide a response by this date, notify ORA as soon as possible, with a written explanation as to why the response date cannot be met and a best estimate of when the information can be provided. If you acquire additional information after providing an answer to any request, you must supplement your response following the receipt of such additional information.

Identify the person providing the answer to each data request and his/her contact information. Responses should be provided both in the original electronic format, if available, and in hard copy. (If available in Word format, send the Word document and do not send the information as a PDF file.) All electronic documents submitted in response to this data request should be in readable, downloadable, printable, and searchable formats, unless use of such formats is infeasible. Each page should be numbered. If any of your answers refer to or reflect calculations, provide a copy of the supporting electronic files that were used to derive such calculations, such as Excel-compatible spreadsheets or computer programs, with data and formulas intact and functioning. Documents produced in response to the data requests should be Bates-numbered, and indexed if voluminous.  Responses to data requests that refer to or incorporate documents should identify the particular documents referenced by Bates-numbers or Bates-range.

If a request, definition, or an instruction, is unclear, notify ORA as soon as possible. In any event, answer the request to the fullest extent possible, specifying the reason for your inability to answer the remaining portion of the Data Request.

**Data Requests**

1. Refer to testimony or workpaper of Robert B. Anderson provided on December 1, 2015:
	1. Are the LOLE outputs provided in “RBA workpaper 4 – 2016 LOLE Summary.xls” a direct output of the Planning and Risk model? If any intermediate processing was required, please provide those workpapers.
	2. In Mr. Anderson’s modeling using the Planning and Risk model, what stochastic variables were considered? Please describe how the variation in each of these variables was characterized and the associated profile.
	3. What correlations, if any, were assumed by the stochastic variables provided in (a)? How were these correlations developed?
2. Referring to the Planning and Risk model used by Mr. Anderson in his December 1, 2015 testimony:
	1. Please provide the model topology used. Specifically, what service areas were modeled?
	2. Please provide a summary of the supply resources assumed to be available in the service areas in (a) and their associated nameplate capacity.
	3. Did the loads modeled by SDG&E in Planning and Risk include an embedded level of distributed energy resources?
	4. How was transmission between service areas characterized in the Planning and Risk model? Please provide the level of transmission capacity available, in MW.
	5. Please provide fuel prices, as input into the Planning and Risk model, for all fuels consumed by the resources listed in (b).
	6. How were forced and maintenance outages characterized in the Planning and Risk model? Please provide the level of outages assumed, by month.

**END OF REQUEST**