CPUC Data Request 4

In various DR responses and SCE filings, SCE refers to a number of different Systems and Electrical Needs Areas, for example: the Valley South System, the Valley System, the Alberhill Project Electrical Needs Area, the Valley-Ivyglen Electrical Needs Area.

1. Which Electrical Needs Area are the Alberhill, Fogarty and Valley-Ivyglen Projects wholly contained within?

2. Which System are the Alberhill, Fogarty and Valley-Ivyglen Projects wholly contained within?

3. Please provide the recorded and forecast load data (in MVA and MW) for the Electric Needs Area that contains the Valley-Ivyglen, Fogarty and Alberhill projects.

4. Please provide the recorded and forecast load data (in MVA and MW) for the System that contains the Valley-Ivyglen, Fogarty and Alberhill projects.

5. If no load growth data is available for the proposed project(s) specific area, how does SCE explain the need for the proposed project(s)?

For the load data mentioned above, please provide the information in the following manner:

		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Valley Total Capacity	MVA																
	MW																
Valley Total Recorded	MVA																
	MW																
Valley Total 1-in-5 heat storm, Projected	MVA																
	MW																
Valley Total 1-in-5 Recorded	MVA																
	MW																
Valley South Total Capacity	MVA																
	MW																
Valley South Total Recorded	MVA																
	MW																
Valley South Total 1-in-5 heat storm, Projected	MVA																
	MW																
Valley South Total 1-in-5 Recorded	MVA																
	MW																

Please provide the same information in the above table format for: the Valley-Ivyglen Electrical Needs Area; the Alberhill Electrical Needs Area; and the Fogarty Electrical Needs Area. Moreover, please provide the table information in graph form for all of the separate/individual systems/electrical needs areas. Each graph should have a separate line for MVA and a separate line for MW.

7. SCE, in its Alberhill PEA talks about the Valley South 115 kV system. Is there a Valley North 115 kV system?

8. If so, where is the dividing line?

9. SCE, in its Alberhill PEA states that the "2008 peak demand was adjusted from 817 MVA to 971 MVA. This 971 MVA value includes an adjustment to the 2007 benchmark plus 50 percent of the published 2008 forecasted load growth." Please state if this analysis utilized actual recorded numbers for 2008.

   SCE further stated in its Alberhill PEA that the above adjustments would be "revisited again in late 2009". Please define "revisited". Have the adjustments been revisited? If so, please provide the updated results.

   SCE also states in its Alberhill PEA that the reduction of MVAs from 2007 to 2008 was 13.5%. SCE then goes on to state the "magnitude and anomalous nature of this 13.5 percent reduction prompted SCE to further evaluate the validity of this number." Please describe what SCE means by "anomalous". Does SCE expect this "anomaly" to continue through 2009 and 2010? When does SCE expect this "anomaly" to end?

10. In SCE response to CPUC DR2, Q4, does SCE assume the existence of both the Valley-Ivyglen and Fogarty projects? If so, please provide the same forecast with both of these projects. If not, please provide the same forecast with the assumption that both of these projects are in service.

11. In SCE's response to CPUC DR2, Q4, SCE shows for 2008 a recorded MVA of 1384.
    Please explain how SCE arrived at this number?
    Please provide all the inputs that went into it.
    Please provide any formulas used to arrive at the number.

12. Do recorded sales play a factor in reaching the MVA number? If so, please explain? If not, why not?

13. Is there a relationship between kilowatt/hour sales and MVAs?
    The recorded sales for Riverside County in kWh increased by 0.85% between 2007 and 2008, however, in SCE's Alberhill PEA, SCE shows an MVA increase

of 2.7% between 2007 and 2008. Why is the MVA increase over 300% greater than the increase in kWh for the same period?

14. In SCE's response to CPUC DR2, Q4, the MVA value for 2009 is 1431. Is this a forecast or a blend of actual and forecasted?

15. In light of your answer to CPUC DR2, Q4, please reconcile it with SCE's answer to CPUC Q&A submitted on 10-15-2009, in particular question 7. Question 7 shows projected overloads for the years 2011 through 2015. SCE response to CPUC DR # 2 shows a valley system with excess capacity under a one-in-five-year heat storm for those same years.

16. Is the Valley-Ivyglen line part of (or will it become part of) SCE's Bulk Electric System as defined by NERC or WECC criteria?

17. Is the Valley-Ivyglen line (or will it become) part of a radial system?

18. If the line is (or will be) subject to NERC and WECC for reliability purposes has SCE violated any WECC or NERC reliability standards?

19. Regarding Table A.1-2 Electrical Needs Area –Line Capacity and Peak Demand, page A-13 of Valley-Ivyglen and Fogarty DEIR, the table shows that in 2008, the normal load was higher than the normal capacity of the line. Did SCE violate any WECC or NERC reliability standards because of this presumed overload? If no violation occurred, why not?

20. If no violation occurred were any contingencies in place?

21. With Regards to Table A.1-2 referenced in Q.20 above, please reconcile the table with the table and graph provided in SCE response dated 9/25/08 (re: CPUC Ivyglen DEIR Growth Inducement) where SCE shows the weather adjusted peak for 2008 as being 120 MVA. Please provide the non-weather adjusted MVA for 2008.

22. Please provide system wide forecasts of SCE's annual retail sales created/done each year from 2004 to 2009 for the years 2004 through 2020. If available on a monthly basis, please provide on such a basis.