ORA DATA REQUEST
ORA-SDG&E-DR-04
SDG&E VEHICLE GRID INTEGRATION PROJECT
A.14-04-014
SDG&E RESPONSE
DATE RECEIVED: JUNE 11, 2014
DATE RESPONDED: JUNE 24, 2014

1. Provide revenue validation worksheets.

SDG&E Response:

Attached are the workpapers with two new additional tabs for revenue validation, tab *VGI Commodity Rev Validation*, Columns F through I and tab *VGI Distribution Rev Validation*, Columns F through I, in response to your data request.

VGI Workpapers -
ORA DR 4 Response

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2. Provide results for the below scenarios:

- Scenario 1 - Alternative to current variable cost adjustment: removal of forecasted annual CAISO hourly cost based on historic day-ahead prices
- Scenario 2 – Treatment of commodity balances: do not exclude from capacity allocation for C-CPP adder
- Scenario 3 – Alternatives to 50% of capacity for C-CPP adder:
  - (a) TOU structure for residual capacity recovery
  - (b) 75% of capacity for C-CPP adder
  - (c) 100% of capacity for C-CPP adder

SDG&E Response:

Scenario 1- Alternative to current variable cost adjustment: removal of forecasted annual CAISO hourly cost based on historic day-ahead prices:

- The alternative variable cost adjustment for Scenario 1 is determined by using the 2013 CAISO 2013 Historic Average CAISO Day-Ahead Market Price applied to the M/L C&I Authorized bundled sales. Calculations for the alternative variable cost adjustment are identified in the attached worksheet in Columns F through I, Lines 25 through 27.
- The table below presents the VGI Rates reflecting Scenario 1 assumptions.

	Rate (cents/kWh)	*Applicability*
M/L C&I Class Average Commodity Rate	9.63	
VGI Base Commodity Rate	4.05	All hours
VGI System CPP Hourly Adder	46.73	Applied to top 150 system hours

VGI Workpapers - Scenario 1 for ORA D

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Response to Question 2 (Continued)

Scenario 2 – Treatment of commodity balances: do not exclude from capacity allocation for C-CPP adder

- Scenario 2 includes balances in the allocation of revenues applicable to the C-CPP Adder. Calculations are reflected in the attached worksheet in Columns F through I, Lines 9 through 11.
- The table below presents the VGI Rates reflecting Scenario 2 assumptions.

	Rate (cents/kWh)	*Applicability*
M/L C&I Class Average Commodity Rate	9.63	
VGI Base Commodity Rate	7.01	All hours
VGI System CPP Hourly Adder	51.24	Applied to top 150 system hours

VGI Workpapers - Scenario 2 for ORA D

Scenario 3 (a) – Alternatives to 50% of capacity for C-CPP adder: TOU structure for residual capacity recovery

- Residual capacity associated revenues not recovered through C-CPP are recovered through a TOU structure.
- Currently SDG&E's capacity costs are allocated to summer only and the residual capacity revenues would then be allocation to summer TOU periods, specifically, Summer On-Peak, Summer Semi-Peak, and the Summer Off-Peak periods. The calculations for the residual capacity recovery can be found in the attached worksheet in Columns F through I, Lines 3-57.
- The TOU periods are based on SDG&E's current TOU periods which are presented below.
- The table below presents the VGI Rates reflecting Scenario 3(a) assumptions.

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Response to Question 2 (Continued)

SDG&E's Current TOU periods		
Summer (May - October)		
	Weekdays	*Weekends/Holidays*
On-Peak	11am to 6pm	N/A
Semi-Peak	6am to 11am And 6pm to 10pm	N/A
Off-Peak	10pm to 6am	All hours

Winter (November - April)		
	Weekdays	*Weekends/Holidays*
On-Peak	5pm to 8pm	N/A
Semi-Peak	6am to 5pm And 8pm to 10pm	N/A
Off-Peak	10pm to 6am	All hours

	Rate (cents/kWh)	***Applicability***
M/L C&I Class Average Commodity Rate	9.63	
VGI Base Commodity Rate:		
Summer On-Peak Rate	15.27	See TOU Period Definitions Below
Summer Semi-Peak Rate	6.51	
Summer Off-Peak Rate	6.49	
Winter On-Peak Rate	5.79	
Winter Semi-Peak Rate	5.79	
Winter On-Peak Rate	5.79	
VGI System CPP Hourly Adder	46.73	Applied to top 150 system hours

VGI Workpapers - Scenario 3A Current

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Response to Question 2 (Continued)

Scenario 3(b) – Alternatives to 50% of capacity for C-CPP adder: 75% of capacity for C-CPP adder

- Scenario 3(b) applies 75% of the capacity revenues to the C-CPP adder. Calculations for use of 75% of the capacity revenue can be found in Column D, Lines 13 and 14 in the worksheet attached below.
- The table below presents VGI Rates reflecting Scenario 3 (b) assumptions.

	Rate (cents/kWh)	*Applicability*
M/L C&I Class Average Commodity Rate	9.63	
VGI Base Commodity Rate	6.46	All hours
VGI System CPP Hourly Adder	70.10	Applied to top 150 system hours

VGI Workpapers - Scenario 3B for ORA I

Scenario 3(c) – Alternatives to 50% of capacity for C-CPP adder: 100% of capacity for C-CPP adder

- Scenario 3(c) applies 100% of the capacity revenues to the C-CPP adder. Calculations for use of 100% of the capacity revenue can be found in Column D, Lines 13 and 14 in the worksheet attached below.
- The table below presents VGI Rates reflecting Scenario 3 (c) assumptions.

	Rate (cents/kWh)	*Applicability*
M/L C&I Class Average Commodity Rate	9.63	
VGI Base Commodity Rate	5.79	All hours
VGI System CPP Hourly Adder	93.47	Applied to top 150 system hours

VGI Workpapers - Scenario 3C for ORA