Recipient	Division of Ratepayer Advocates		
PG&E Data Request No.:	PGE_DRA-002		
PG&E File Name:	EnerResourceRecoveryAcct2012-Compliance_DR_PGE_DRA-002/Q1		
Request Date:	September 6, 2013	PG&E Witness:	Redacted
Due Date:	September 13, 2013	DRA Witness:	Ravinder Mangat

Question 2.1
Chapter 5 – Least Cost Dispatch (Ravinder Mangat)

2.1. In A.12-06-023 (SDG&E's 2012 ERRA Compliance Application), did SDG&E include a "performance evaluation or other type of quantitative analysis that demonstrated [SDG&E's] effectiveness in achieving the least-cost dispatch standard in the record year", as DRA suggests in this proceeding that PG&E should have included (*see* DRA testimony, p. 5-1, lines 20-22)?

    a. If your response to this question is anything other than an unequivocal "No," describe in detail, without revealing market sensitive information, the performance evaluation or other type of quantitative analysis included by SDG&E that demonstrated its effectiveness in achieving least-cost dispatch.

    b. If your response to this question is anything other than an unequivocal "No," describe in detail how SDG&E demonstrated that it had achieved least-cost dispatch.

DRA Response

    DRA presumes PG&E is referring to SDG&E's 2011 ERRA Compliance Application, A. 12-06-003. DRA's review of each individual ERRA application is unique and independent. As indicated in DRA's testimony, DRA's review of PG&E's application was "exclusively focused on the 2012 Record Period and is based on DRA's analysis of information submitted *by PG&E* regarding the year 2012 and no other period of time." (emphasis added).

Recipient	Division of Ratepayer Advocates		
PG&E Data Request No.:	PGE_DRA-002		
PG&E File Name:	EnerResourceRecoveryAcct2012-Compliance_DR_PGE_DRA-002/Q2		
Request Date:	September 6, 2013	PG&E Witness:	Redacted
Due Date:	September 13, 2013	DRA Witness:	Ravinder Mangat

Question 2.2
Chapter 3 – Utility Owned Generation: Fossil (Ravinder Mangat)

2.2. Is the formula A*(P-F) on page 3-15 line 14 and 3-16 line 16 missing a component H? There is a description of H on page 3-16 line 5 and 6 stating that " H = the duration of the forced outage in hours from the beginning of the subject outage until the end," but there is no H in the formula.

DRA Response

No. H is an input into A.: see question 6 response.

Recipient	Division of Ratepayer Advocates		
PG&E Data Request No.:	PGE_DRA-002		
PG&E File Name:	EnerResourceRecoveryAcct2012-Compliance_DR_PGE_DRA-002/Q3		
Request Date:	September 6, 2013	PG&E Witness:	Redacted
Due Date:	September 13, 2013	DRA Witness:	Ravinder Mangat

Question 2.3:
Chapter 3 – Utility Owned Generation: Fossil (Ravinder Mangat)

2.3.   Please provide the calculation, methodology, or data source of the average locational marginal price (LMP) of energy per MWh, described as "P" on page 3-16 line 7 to 9.

DRA Response

Please find the file "HUMBPP_1_UNITS3" attached. This information contains the LMP for the Humboldt Bay resource, downloaded from CAISO's OASIS system. DRA took an average of all the values in column F to calculate the value "$28.43".

Recipient	Division of Ratepayer Advocates		
PG&E Data Request No.:	PGE_DRA-002		
PG&E File Name:	EnerResourceRecoveryAcct2012-Compliance_DR_PGE_DRA-002/Q4		
Request Date:	September 6, 2013	PG&E Witness:	Redacted
Due Date:	September 13, 2013	DRA Witness:	Ravinder Mangat

Question 2.4:
Chapter 3 – Utility Owned Generation: Fossil (Ravinder Mangat)

2.4.   Please provide the calculation, methodology, or data source of the average unit fuel costs for the resource, described as "F" on page 3-16 line 10 to 11.

DRA Response

The source of this data was "Fuel Price VOM IHR" which is contained within PG&E's workpapers: "Volume III – 2 Least Cost Dispatch". DRA took an average of the fuel prices contained in the "FP_Vom" tab for the full year for resource ID: "HUMBPP_6_UNITS1_3".

Recipient	Division of Ratepayer Advocates		
PG&E Data Request No.:	PGE_DRA-002		
PG&E File Name:	EnerResourceRecoveryAcct2012-Compliance_DR_PGE_DRA-002/Q5		
Request Date:	September 6, 2013	PG&E Witness:	Redacted
Due Date:	September 13, 2013	DRA Witness:	Ravinder Mangat

Question 2.5:
Chapter 3 – Utility Owned Generation: Fossil (Ravinder Mangat)

2.5.   Please provide calculation spreadsheets used for the five foregone energy costs on page 3-19, totaling $86,900.

DRA Response

   These are attached as file "HB_disallowance_calculations".

Recipient	Division of Ratepayer Advocates		
PG&E Data Request No.:	PGE_DRA-002		
PG&E File Name:	EnerResourceRecoveryAcct2012-Compliance_DR_PGE_DRA-002/Q6		
Request Date:	September 6, 2013	PG&E Witness:	Redacted
Due Date:	September 13, 2013	DRA Witness:	Ravinder Mangat

Question 2.6:
Chapter 3 – Utility Owned Generation: Fossil (Ravinder Mangat)

2.6.　　　　Please provide the calculation, methodology, or data source for the analysis of the average total net award that HGBS would have reasonably been able to receive for each hour during the duration of the outage.

DRA Response

The calculation used is as follows:

Total Time that a unit was offline (hours) * capacity factor (%) * total net maximum capacity of unit (MW) = total net energy award that HGBS would have reasonably been able to receive for the duration of the outage.

Recipient	Division of Ratepayer Advocates		
PG&E Data Request No.:	PGE_DRA-002		
PG&E File Name:	EnerResourceRecoveryAcct2012-Compliance_DR_PGE_DRA-002/Q7		
Request Date:	September 6, 2013	PG&E Witness:	Redacted
Due Date:	September 13, 2013	DRA Witness:	Ravinder Mangat

Question 2.7:
Chapter 3 – Utility Owned Generation: Fossil (Ravinder Mangat)

2.7.　　　　Please provide the calculation, methodology, or data source for the derivation of the probability that a resource will be dispatched during a timeframe derived from the capacity factor.

DRA Response

See responses to 5 and 6. The data source used to calculate the capacity factor is derived from PG&E's response to DR 17, file "ERRA-2012-PGE-Compliance_DR_DRA_017-Q01Atch01-CONF.xlsx". The formula from this file used to derive the capacity factor is:
Service hours/Available hours (Column L/column M)