

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



December 21, 2011

**Advice Letter 3836-E**

Brian K. Cherry  
Vice President, Regulation and Rates  
Pacific Gas and Electric Company  
77 Beale Street, Mail Code B10C  
P.O. Box 770000  
San Francisco, CA 94177

**Subject: Procurement Transaction Quarterly Compliance Filing (Q1, 2011)**

Dear Mr. Cherry:

Advice Letter 3836-E is effective December 2, 2011.

Sincerely,

A handwritten signature in cursive script that reads "Edward F. Randolph".

Edward F. Randolph, Director  
Energy Division

April 29, 2011

**Advice 3836-E**

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

**Subject: Procurement Transaction Quarterly Compliance Filing (Q1, 2011)**

Pacific Gas and Electric Company ("PG&E") hereby submits to the California Public Utilities Commission ("Commission" or "CPUC") its compliance filing for the first quarter of 2011, pursuant to PG&E's Conformed 2006 Long-Term Procurement Plan, submitted in Advice 3233-E and amended by Advice 3233-E-A. PG&E's submittal of this Procurement Transaction Quarterly Compliance Report ("QCR") for record period January through March 2011 (Q1-2011)<sup>1</sup> is in accordance with Decision ("D.") 03-12-062, Ordering Paragraph 19, which requires that the Quarterly Procurement Plan Compliance Reports be submitted within 30 days of the end of the quarter.

**Background**

D.07-12-052 directed Energy Division and the Investor Owned Utilities ("IOUs") to continue the collaborative effort to develop a reformatted QCR. The Commission authorized Energy Division to implement a reformatted QCR and to make ministerial changes to the content and format of the report as needs arise. Energy Division and the IOUs have finalized the QCR format. PG&E's submittal of its first Quarter 2011 QCR is in the final format authorized by Energy Division on December 15, 2008.

**Compliance Items**

An Attachment (the narrative) with supporting Confidential Attachments conforms to the reformatted QCR and is being submitted to the Energy Division.

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<sup>1</sup> PG&E's 2006 Conformed Long-Term Procurement Plan, Cal. P.U.C. Sheet No. 87.

The supporting Confidential Attachments are:

- Attachment A – First Quarter 2011 Transactions
- Attachment B – First Quarter 2011 Counter-Party Information
- Attachment C – First Quarter 2011 Electric Transactions Summary
- Attachment D – First Quarter 2011 Natural Gas Transactions Summary
- Attachment E – First Quarter 2011 Other Transactions
- Attachment F – First Quarter 2011 Key Briefing Packages
- Attachment G – First Quarter 2011 Independent Evaluator Reports
- Attachment H – First Quarter 2011 New Contracts Executed/Contracts Amended
- Attachment I – Summary of Retained Generation Investments Completed During First Quarter 2011
- Attachment J – System Load Requirements/Conditions
- Attachment K – Risk Management Strategy Communication and Management Disclosure
- Attachment L – Reasonable Number of Analyses Models, Description of Models, and How Models Operate
- Attachment M – Transactions Subject to Strong Showing

### **Protests**

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, by facsimile or electronically, any of which must be received no later than **May 19, 2011**, which is 20 days after the date of this filing. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. Protests should be mailed to:

CPUC Energy Division  
Tariff Files, Room 4005  
DMS Branch  
505 Van Ness Avenue  
San Francisco, California 94102

Facsimile: (415) 703-2200  
E-mail: [jnj@cpuc.ca.gov](mailto:jnj@cpuc.ca.gov) and [mas@cpuc.ca.gov](mailto:mas@cpuc.ca.gov)

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above.

The protest also should be sent via U.S. mail to (and by facsimile and electronically, if possible) to PG&E at the address shown below on the same date it is mailed or delivered to the Commission:

Brian K. Cherry  
Vice President, Regulation and Rates  
Pacific Gas and Electric Company  
77 Beale Street, Mail Code B10C  
P.O. Box 770000  
San Francisco, California 94177

Facsimile: (415) 973-6520  
E-mail: [PGETariffs@pge.com](mailto:PGETariffs@pge.com)

### **Effective Date**

In accordance with D.02-10-062, the requested effective date of this advice letter is **April 29, 2011**.

### **Notice**

In accordance with General Order 96-B, Section IV, a copy of this advice letter excluding the confidential appendices is being sent electronically and via U.S. mail to parties shown on the attached list and the service lists for Rulemaking ("R.") 01-10-024 and R.04-04-003. Address changes to the General Order 96-B service list and all electronic approvals should be sent to e-mail [PGETariffs@pge.com](mailto:PGETariffs@pge.com). For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at [Process\\_Office@cpuc.ca.gov](mailto:Process_Office@cpuc.ca.gov). Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs>.



Vice President – Regulation and Rates

cc: Service List - R.01-10-024 and R.04-04-003  
PG&E's Procurement Review Group

Public Attachments:

Attachment 1 – Declarations

Attachment 2 – Quarterly Compliance Review Narrative

# CALIFORNIA PUBLIC UTILITIES COMMISSION

## ADVICE LETTER FILING SUMMARY ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No. **Pacific Gas and Electric Company (ID U39 M)**

Utility type:

ELC

GAS

PLC

HEAT

WATER

Contact Person: Conor Doyle

Phone #: (415) 973-7817

E-mail: [jcdt@pge.com](mailto:jcdt@pge.com)

### EXPLANATION OF UTILITY TYPE

ELC = Electric

GAS = Gas

PLC = Pipeline

HEAT = Heat WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: **3836-E**

**Tier: 2**

Subject of AL: **Procurement Transaction Quarterly Compliance Filing (Q1, 2011)**

Keywords (choose from CPUC listing): **Procurement**

AL filing type:  Monthly  Quarterly  Annual  One-Time  Other \_\_\_\_\_

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: **D.03-12-062**

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL:

Is AL requesting confidential treatment? If so, what information is the utility seeking confidential treatment for: No

Confidential information will be made available to those who have executed a nondisclosure agreement: N/A

Name(s) and contact information of the person(s) who will provide the nondisclosure agreement and access to the confidential information: Sharon Tatai (415) - 973-2788

Resolution Required?  Yes  No

Requested effective date: **April 29, 2011**

No. of tariff sheets: N/A

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: N/A

Service affected and changes proposed:

Protests, dispositions, and all other correspondence regarding this AL are due no later than 20 days after the date of this filing, unless otherwise authorized by the Commission, and shall be sent to:

**CPUC, Energy Division**

**Tariff Files, Room 4005**

**DMS Branch**

**505 Van Ness Ave., San Francisco, CA 94102**

**[jnj@cpuc.ca.gov](mailto:jnj@cpuc.ca.gov) and [mas@cpuc.ca.gov](mailto:mas@cpuc.ca.gov)**

**Pacific Gas and Electric Company**

**Attn: Brian K. Cherry, Vice President, Regulation and Rates**

**77 Beale Street, Mail Code B10C**

**P.O. Box 770000**

**San Francisco, CA 94177**

**E-mail: [PGETariffs@pge.com](mailto:PGETariffs@pge.com)**

**Attachment 1**  
**Declarations**

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

**DECLARATION OF SHARON K. TATAI  
SEEKING CONFIDENTIAL TREATMENT OF FOR CERTAIN DATA AND  
INFORMATION CONTAINED IN PG&E'S ADVICE LETTER 3836-E REGARDING  
CONFIDENTIAL ATTACHMENTS A, B, C, F, G, H, J, K, L, AND M**

I, Sharon K. Tatai, declare:

1. I am presently employed by Pacific Gas and Electric Company ("PG&E"), and have been an employee at PG&E since 1980. My current title is Manager within PG&E's Energy Procurement organization. In this position, my responsibilities include review of regulatory reports. In carrying out these responsibilities, I have acquired knowledge of PG&E's regulatory reporting and have also gained knowledge of electric energy procurement data, processes, and practices. Through this experience, I have become familiar with the type of information that would affect the regulatory filing, as well as with the type of information that would be considered confidential and proprietary.
2. Based on my knowledge and experience, and in accordance with Decision ("D.") 08-04-023 and the August 22, 2006 "Administrative Law Judge's Ruling Clarifying Interim Procedures for Complying with Decision 06-06-066," I make this declaration seeking confidential treatment of PG&E's April 29, 2011 PG&E'S Advice Letter 3836-E, Confidential Attachments A, B, C, E, F, G, H, J, K, L. By this Application, PG&E is seeking the Commission's approval Quarter One, 2011 Quarterly Procurement Transaction Compliance Report, submitted by PG&E.
3. Attached to this declaration is a matrix identifying the data and information for which PG&E is seeking confidential treatment. The matrix specifies that the material PG&E is seeking to protect constitutes the particular type of data and information listed in Appendix I of D.06-06-

066 and Appendix D.08-04-023 (the "IOU Matrix"), and/or constitutes information that should be protected under General Order 66-C. The matrix also specifies the category or categories in the IOU Matrix to which the data and information corresponds, and why confidential protection is justified. Finally, the matrix specifies that: (1) PG&E is complying with the limitations specified in the IOU Matrix for that type of data or information; (2) the information is not already public; and (3) the data cannot be aggregated, redacted, summarized or otherwise protected in a way that allows partial disclosure. By this reference, I am incorporating into this declaration all of the explanatory text in the attached matrix that is pertinent to this submittal.

I declare under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct.

Executed on April 29, 2011 at San Francisco, California.

\_\_\_\_\_/s/\_\_\_\_\_  
Sharon K. Tatai  
Manager  
Energy Compliance and Report  
Energy Procurement  
PACIFIC GAS AND ELECTRIC COMPANY

**PACIFIC GAS AND ELECTRIC COMPANY'S (U 39 E)  
PROPOSAL REGARDING ADVICE LETTER 3839-E  
QUARTERLY PROCUREMENT TRANSACTION COMPLIANCE REPORT OF QUARTER ONE 2011  
April 29, 2011**

**IDENTIFICATION OF CONFIDENTIAL INFORMATION**

<b>Redaction Reference</b>	<b>1) The material submitted constitutes a particular type of data listed in the Matrix, appended as Appendix 1 to D.06-06-066 (Y/N)</b>	<b>2) Which category or categories in the Matrix the data correspond to:</b>	<b>3) That it is complying with the limitations on confidentiality specified in the Matrix for that type of data (Y/N)</b>	<b>4) That the information is not already public (Y/N)</b>	<b>5) The data cannot be aggregated, redacted, summarized, masked or otherwise protected in a way that allows partial disclosure (Y/N)</b>	<b>PG&amp;E's Justification for Confidential Treatment</b>	<b>Length of Time</b>
Attachment A – Physical and Financial Electric Deals	Y	Item VI) E) and F) Utility Planning Area Matrix Net Open (Electric); Matrix page 13	Y	N	N	Disclosure of monthly and daily data provide an understanding of PG&E's strategy for closing out its net open position.	3 Years
Attachment A – Physical and Financial Electric Deals	Y	Item XIII) Energy Division Monthly Data Request (AB 57); Matrix page 22	Y	Y	N	This information reveals procurement cost categorized by transaction type, which is provided to Energy Division per AB 57 and is confidential for three years.	3 Years
Attachment B Counterparty information, including non-investment grade counterparties – Table - “List of Non-Investment Grade Counterparties”	Y	CPUC General Order 66-C	Y	Y	N	The credit status of counterparties constitutes confidential non-utility business information protected under GO 66-C.	No expiration because PG&E will be purchasing from non-utility businesses for the foreseeable future. There is no time limit on protection afforded non-utility businesses

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							under G.O. 66-C
Attachment B Counterparty information, including counterparty concentration – Table “List of Top Ten Counterparties” by transaction volume and dollar value	Y	CPUC General Order 66-C	N	Y	Y	Counterparty sales revenues constitute confidential non-utility business information protected under GO 66-C.	No expiration because PG&E will be purchasing from non-utility businesses for the foreseeable future. There is no time limit on protection afforded non-utility businesses under G.O. 66-C
Attachment C Electric Transactions – Tables “Electric Physical”, “Electr	Y	XI) Monthly Procurement Costs (Energy Resource Recovery Account [ERRA] Filings); Matrix	Y	Y	N	These analyses are the basis of the monthly variable cost of energy and utility operation, which must be protected to preserve the confidentiality of ERRA documentation.	3 Years

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ic Financial", "Electric-Physical-HA Only", "List of Top Ten Counterparties" – all by transaction volume and dollar value		page 22					
Attachment C Electric Transactions (see above)	Y	Item XIII) Energy Division Monthly Data Request (AB 57); Matrix page 22	Y	Y	N	This information is provided to Energy Division on a confidential basis per AB 57 and must be protected here to preserve confidentiality of the AB 57 report.	3 Years
Attachment E Other Transactions	Y	VII) B) Bilateral Contract Terms and Conditions – contracts and power purchase agreements between utilities and non-affiliated third parties,;Matrix page 15	Y	N	N	Disclosure of information would provide counterparty name, volume, and price and would provide market sensitive information regarding bid strategy and selection.	3 Years
Attachment F PRG Material	Y	Item VII) E) New non-utility affiliated bilateral contracts – Electric; Matrix page 16, etc.	Y	Y	N	Presentations to the PRG provide confidential bilateral contract terms, including price and performance terms. Confidentiality protection depends on type of material presented, see, <i>infra</i> .	3 Years from initial delivery date specified in contract or 1

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							Year after termination of deliveries, whichever is less
Attachment F PRG Material	Y	Item I) A) Natural Gas Information – Forecasts (gas)utility specific gas price and demand forecasts, forecasts, long-term gas buying and hedging plans, and Monthly DWR procurement; Matrix pages 1-3	Y	N	N	Gas procurement presentations to PRG recommend action based on PG&E's confidential and proprietary gas forecasts and strategies	3 Years
Attachment F PRG Material	Y	Item II) B) 2) Utility recorded gas procurement and cost information; Matrix page 3	Y	N	N	Covers actual quantity and cost of procured natural gas	One year after conclusion of deliveries
Attachment F PRG Material	Y	CPUC General Order 66-C	Y	N	N	The terms of contracts between PG&E and third parties constitute confidential non-utility business information protected under GO 66-C.	No expiration. No time limit on protection afforded non-utility businesses

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							under G.O. 66-C
Attachment G Independent Evaluator Reports	Y	VII) B) Bilateral Contract Terms and Conditions – contracts and power purchase agreements between utilities and non-affiliated third parties,;Matrix page 15	Y	N	N	Terms required to be made public have been disclosed in the public version of each IE Report and are not subject to this request. The IE reports also rely on Matrix -protected confidential PG&E price, notional value, competitive solicitation scoring and results, and demand forecasts to evaluate the reasonableness of the proposed transaction.	3 Years from date of issuance; 3 years confidentiality period recommences when facility being evaluated begins deliveries
Attachment G Independent Evaluator Reports	Y	CPUC General Order 66-C	Y	N	N	The terms of contracts between PG&E and third parties constitute confidential non-utility business information protected under GO 66-C.	No expiration. No time limit on protection afforded non-utility businesses under G.O. 66-C
Attachment H Executed		VII) B) Bilateral Contract Terms and Conditions – contracts				Disclosure of information would provide counterparty name, volume, and price and would provide market sensitive information regarding bid	3 Years

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Contracts	Y	and power purchase agreements between utilities and non-affiliated third parties.;Matrix page 15	Y	N	N	strategy and selection.	
Attachment J Residual Net Short/Residual Net Long	Y	Item VI) Utility Bundled Net Open Position (Electric); Matrix page 13	Y	N	N	Residual net short/long is key input to PG&E's confidential forecast of net open position	3 Years
Attachment J Residual Net Short/Residual Net Long	Y	Item VI) Utility Planning Area Net Open; Matrix page 14	Y	N	N	Monthly data confidential	3 Years
Attachment J Residual Net Short/Residual Net Long	Y	Item XIII) Energy Division Monthly Data Request (AB 57); Matrix page 22	Y	N	N	The residual net short/long is information is provided to Energy Division on a confidential basis per AB 57 and must be protected here to preserve confidentiality of the AB 57 report.	3 Years
Attachment J Residual Net Short/Residual Net Long	Y	Item I) A) 4) Long-term fuel (gas) buying and hedging plans; Matrix page 2	Y	N	N	This information is the basis for PG&E's purchase and hedging plans and must remain confidential to avoid disclosing PG&E's market strategy,	3 Years
Attachment K Risk Management	Y	Item XII) Monthly Portfolio Risk Assessment; Matrix page 22	Y	N	N	TeVaR and supporting forecasts and analysis are confidential	3 Years

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Attachment K Risk Management		Item I) A) 4) Long-term fuel (gas) buying and hedging plans; Matrix page 2	Y	N	N	This information is the basis for PG&E's purchase and hedging plans and must remain confidential to avoid disclosing PG&E's market strategy	3 Years
Attachment L Reasonable Number of Analyses	Y	XI) Monthly Procurement Costs (Energy Resource Recovery Account [ERRA] Filings); Matrix page 22	Y	N	N	These analyses are the basis of the monthly variable cost of energy and utility operation, which must be protected to preserve details which would reveal PG&E in the market place.	3 Years
Attachment M Transactions subject to Strong Showing	Y	XI) Monthly Procurement Costs (Energy Resource Recovery Account [ERRA] Filings); Matrix page 22	Y	N	N	These analyses are the basis of the monthly variable cost of energy and utility operation, which must be protected to preserve the details which would reveal PG&E in the market place.	3 Years

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

**DECLARATION OF PETER E. KOSZALKA  
SEEKING CONFIDENTIAL TREATMENT OF FOR CERTAIN DATA AND  
INFORMATION CONTAINED IN PG&E'S ADVICE LETTER 3836-E REGARDING  
CONFIDENTIAL ATTACHMENTS A, B, D, J, and M**

I, Peter E. Koszalka, declare:

1. I am presently employed by Pacific Gas and Electric Company (PG&E) and have been an employee since 2003 (and was previously employed by PG&E from 1983 to 1998). My current title is Director, Electric Gas Supply. In this position, my responsibilities include physical and financial trading of gas in support of PG&E's allocated DWR contracts, PG&E's company-owned generating facilities, and PG&E's tolling agreements. In carrying out these responsibilities, I have acquired knowledge of gas supply and gas hedging for electric generation, the markets for physical and financial products for gas supply and hedging, and the various types of transactions involved.
2. Based on my knowledge and experience, and in accordance with Decision ("D.") 08-04-023 and the August 22, 2006 "Administrative Law Judge's Ruling Clarifying Interim Procedures for Complying with Decision 06-06-066," I make this declaration seeking confidential treatment of PG&E's April 29, 2011 PG&E'S Advice Letter 3836-E, Confidential Attachments A, B, D, J, M. By this Application, PG&E is seeking the Commission's approval Quarter One, 2011 Quarterly Procurement Transaction Compliance Report, submitted by PG&E.
3. Attached to this declaration is a matrix identifying the data and information for which PG&E is seeking confidential treatment. The matrix specifies that the material PG&E is seeking to protect constitutes the particular type of data and information listed in Appendix I of D.06-06-066 and Appendix D.08-04-023 (the "IOU Matrix"), and/or constitutes information that should

be protected under General Order 66-C. The matrix also specifies the category or categories in the IOU Matrix to which the data and information corresponds, and why confidential protection is justified. Finally, the matrix specifies that: (1) PG&E is complying with the limitations specified in the IOU Matrix for that type of data or information; (2) the information is not already public; and (3) the data cannot be aggregated, redacted, summarized or otherwise protected in a way that allows partial disclosure. By this reference, I am incorporating into this declaration all of the explanatory text in the attached matrix that is pertinent to this submittal.

I declare under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct.

Executed on April 29, 2011 at San Francisco, California.

\_\_\_\_\_/s/  
Peter E. Koszalka  
Director, Gas Supply  
Energy Supply Management  
PACIFIC GAS AND ELECTRIC COMPANY

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Attachment A – Physical Natural Gas Spot Transactions	Y	Item I) B) 2) Utility recorded gas procurement and cost information; Matrix page 3	Y	N	N	Actual quantity and cost of procured gas are protected.	3 Years
Attachment A – Physical Natural Gas Term Transactions	Y	Item I) A) 4) Long-term fuel (gas) buying and hedging plans; Matrix page 2	Y	N	N	Each transaction is a factor in PG&E's long term buying and hedging strategies. With the entire set of transactions PG&E's counterparties could reconstruct PG&E's gas buying and hedging plans.	3 Years
Attachment A – Financial Natural Gas Transactions --	Y	Item XIII) Energy Division Monthly Data Request (AB 57); Matrix page 22	Y	N	N	This information reveals procurement cost categorized by transaction type, which is provided to Energy Division per AB 57 and is confidential for three years.	One Year
Attachment B Counterparty information, including counterparty concentration – Table “List of Top Ten Counterparties” by transaction volume and dollar value	Y	CPUC General Order 66-C	Y	N	Y	Counterparty sales revenues constitute confidential non-utility business information protected under GO 66-C.	No expiration because PG&E will be purchasing from non-utility businesses for the foreseeable future. There is no time

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							limit on protection afforded non-utility businesses under G.O. 66-C
Attachment D – Natural Gas Transactions	Y	Item I) A) 4), Long-term fuel (gas) buying and hedging plans; Matrix, page 3				PG&E's hedging strategies may be deduced through an analysis of PG&E's summarized transactions.	
Attachment J Residual Net Short/Residual Net Long - Natural Gas Documents	Y	Item XIII) Energy Division Monthly Data Request (AB 57); Matrix page 22	Y	N	N	The residual net short/long is information is provided to Energy Division on a confidential basis per AB 57 and must be protected here to preserve confidentiality of the AB 57 report.	3 Years
Attachment J Gas Transaction - Natural gas Documents	Y	Item I) A) 4) Long-term fuel (gas) buying and hedging plans; Matrix page 2	Y	N	N	This information includes detailed information on PG&E's implementation of its purchase and hedging plans and must remain confidential to avoid disclosing PG&E's market strategy. The plans are imbedded in these documents.	3 Years
Attachment M Transactions subject to Strong Showing - Gas Financial	Y	XI) Monthly Procurement Costs (Energy Resource Recovery Account [ERRA] Filings); Matrix	Y	N	N	These analyses are the basis of the monthly variable cost of energy and utility operation, which must be protected to preserve the confidentiality of ERRA documentation	3 Years

**PACIFIC GAS AND ELECTRIC COMPANY'S (U 39 E)  
PROPOSAL REGARDING ADVICE LETTER 3839-E  
QUARTERLY PROCUREMENT TRANSACTION COMPLIANCE REPORT OF QUARTER ONE 2011  
April 29, 2011**

**IDENTIFICATION OF CONFIDENTIAL INFORMATION**

<b>Redaction Reference</b>	<b>1) The material submitted constitutes a particular type of data listed in the Matrix, appended as Appendix 1 to D.06-06-066 (Y/N)</b>	<b>2) Which category or categories in the Matrix the data correspond to:</b>	<b>3) That it is complying with the limitations on confidentiality specified in the Matrix for that type of data (Y/N)</b>	<b>4) That the information is not already public (Y/N)</b>	<b>5) The data cannot be aggregated, redacted, summarized, masked or otherwise protected in a way that allows partial disclosure (Y/N)</b>	<b>PG&amp;E's Justification for Confidential Treatment</b>	<b>Length of Time</b>
Transactions		page 22					
Attachment M Transactions subject to Strong Showing – Gas Financial Transactions	Y	Item I) A) 4) Long-term fuel (gas) buying and hedging plans; Matrix page 2	Y	N	N		Confidential for three years past expiration of the last trade executed under the hedging plan. (Resolution E-4276, Finding 8) This date is December 1, 2016

**Attachment 2**  
**Quarterly Compliance Review Narrative**

**PACIFIC GAS AND ELECTRIC COMPANY**  
**PROCUREMENT PLAN COMPLIANCE REPORT**  
**FOR THE FIRST QUARTER OF 2011**

**April 29, 2011**

## **List of Attachments**

- Confidential Attachment A: First Quarter 2011 Transactions
- Confidential Attachment B: First Quarter 2011 Counterparty Information
- Confidential Attachment C: First Quarter 2011 Electric Transactions Summary
- Confidential Attachment D: First Quarter 2011 Natural Gas Transactions Summary
- Confidential Attachment E: First Quarter 2011 Other Transactions
- Confidential Attachment F: First Quarter 2011 Key Briefing Packages
- Confidential Attachment G: First Quarter 2011 Independent Evaluator Reports
- Confidential Attachment H: First Quarter 2011 New Contracts Executed/Contracts Amended
- Confidential Attachment I: Summary of Retained Generation Investments Completed During First Quarter 2011
- Confidential Attachment J: System Load Requirements/Conditions
- Confidential Attachment K: Risk Management Strategy Communication and Management Disclosure
- Confidential Attachment L: Reasonable Number of Analyses Models, Description of Models, and How Models Operate
- Confidential Attachment M: Transactions Subject to Strong Showing

## **A. Introduction**

As required by Ordering Paragraph 8 of Decision (D.) 02-10-062, and clarified in D.03-06-076, D.03-12-062, D.04-07-028, D.04-12-048 and D.07-12-052, Pacific Gas and Electric Company (PG&E) hereby provides its report demonstrating that its procurement-related transactions during the period January 1, 2011 through March 31, 2011 (Quarter), were in compliance with the latest California Public Utilities Commission (CPUC or Commission)-approved Assembly Bill 57 Long-Term Procurement Plan (Plan) adopted by the Commission in D.07-12-052, effective December 21, 2007, and were in compliance with the most recent hedging authority as approved by Resolution E-3951, Resolution E-4177, Resolution E-4276 and Resolution E-4362 as well as D.10-12-034 in which the CPUC authorized PG&E participation in convergence bidding.

Material deviations from the Plan are explained herein or in a separate letter to be filed with this advice letter.

## **B. Summary**

During the Quarter, PG&E engaged in competitively priced transactions consistent with its Plan. All transactions were conducted using processes specified in the Plan. Any transactions executed with affiliates would be disclosed in Confidential Attachment A, *Transactions*; however, there were no affiliate transactions executed during the Quarter. All non-investment grade counterparties that PG&E transacted with during the Quarter are shown in Confidential Attachment B, *Counterparty Information*. Furthermore, the top 10 counterparties transacted with by volume are also listed in Confidential Attachment B, *Counterparty Information*.

Confidential Attachment C, *Electric Transactions Summary* is a summary of the electric transactions executed during the Quarter. During the Quarter, PG&E executed transactions resulting from the 2011 Resource Adequacy (RA) Solicitation Auction (Attachment E, *Other Transactions*). PG&E participated in the 2011 Congestion Revenue Right (CRR) Allocation and Auction in March (Attachment J, *System Load Requirements/Conditions*). The CRR quantities shown in these attachments are based on the delivery period specified in the transactions.

Therefore, CRR volumes received during the Quarter pursuant to transactions executed in prior quarters are excluded. Also excluded are transactions in the California Independent System Operator's (CAISO) integrated forward, real-time and ancillary services markets, since these transactions are, for the most part, made by the CAISO on behalf of PG&E and are made without regard to the Plan.<sup>1</sup>

Confidential Attachment D, *Natural Gas Transactions Summary* is a summary of the gas transactions executed during the Quarter. PG&E executed a letter agreement with Shell Canada Energy and Granite Gas Productions, Inc. for liquids extraction services and PG&E executed a transaction for Rocky Mountain gas supply to complement PG&E's firm pipeline capacity on the Ruby Gas Pipeline.

In addition to the transactions mentioned above, CAISO initiated convergence bidding on February 1, 2011, and PG&E issued a Photovoltaic (PV) Request for Offer (RFO) on February 2 though no transactions related to the PV RFO were executed in the Quarter. The CPUC authorized PG&E to participate in convergence bidding in D.10-12-034.

### **C. Master Data Request Documentation**

D.02-10-062, Appendix B, as clarified by D.03-06-076, sets forth specific elements to be addressed in this report. Each element is discussed below.

#### **1. Identification of the ultimate decision maker(s) up to the Board level, approving the transactions.**

All procurement-related activity during the Quarter was approved and executed either by, or under the direction of Fong Wan, Senior Vice President, Energy Procurement, Roy Kuga, Vice President, Energy Supply Management, or Gary Jeung, Senior Director, Renewable Energy consistent with the delegation of authority effective for the period.

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<sup>1</sup> All CAISO real-time transactions are excluded from the Quarterly Compliance Report (QCR) process; other real-time transactions are included as applicable.

## **2. The briefing package provided to the ultimate decision maker.**

The “decision-maker” for a particular contemplated transaction depends on many factors, including term, volume, notional value, etc. For many of the transactions during the Quarter, the “decision-maker” was a gas or power trading employee executing transactions (e.g., day-ahead or hour-ahead power purchases and sales) per an established plan or to achieve a particular objective (such as balancing the portfolio supply and demand). For such transactions, briefing packages are not prepared. Briefing packages prepared during the Quarter for large or unusual transactions that required senior management approval are included in Confidential Attachment F, *Key Briefing Packages*.

In addition, copies of presentations made by PG&E to its Procurement Review Group (PRG) during the Quarter are included in Confidential Attachment F, *Key Briefing Packages*.

## **3. Description of and justification for the procurement processes used to select the transactions.**

### ***a) Electric***

#### ***Description of Procurement Processes***

The approved procurement processes used during the Quarter were as follows:

- CAISO Monthly CRR Allocation and Auction Process – In January 2011, PG&E participated in Tier 1 and Tier 2 of the CAISO’s monthly CRR allocation and auction process to procure CRRs for February 2011. In February 2011, PG&E participated in Tier 1 and Tier 2 of the CAISO’s monthly CRR allocation and auction process to procure CRRs for March 2011. In March 2011, PG&E participated in Tier 1 and Tier 2 of the CAISO’s monthly CRR allocation and auction process to procure CRRs for April 2011.
- Convergence Bidding – CAISO initiated convergence bidding on February 1, 2011. The CPUC authorized in D.10-12-034 PG&E’s participation in convergence bidding using three specific strategies.
- 2011 RA Solicitation Auction – PG&E issued an RA Solicitation Auction on March 4, 2011 to (1) purchase system RA during July and August 2011 and (2) sell

2011 local RA May through December 2011. PG&E executed transactions from the RA Solicitation Auction during the First Quarter.

- Voice and On-Line Brokers – PG&E continued the use of voice and on-line broker-markets for non-standard products, such as trading in the day-ahead market for individual hours, blocks or strips of hours, on specific days of the week as well as standard products during the Quarter.
- Electronic Exchanges – PG&E engaged in electronic broker market transactions to manage its physical net open position and to participate in economic transactions designed to reduce ratepayers' exposure to market volatility. Transactions include forward transactions with deliveries starting within the next quarter and up to one quarter in duration, monthly, balance of month (BOM), day-ahead, and hour-ahead transactions.
- Bilateral - Direct with Counterparties – While PG&E executes the majority of its transactions through brokers and electronic exchanges, there are instances when PG&E transacts directly with counterparties. These transactions may include intra-day, day-ahead, and forward term transactions.
- CHP/QF Agreements (*For informational purposes only*) – On September 8, 2010, multiple parties reached a settlement the Combined Heat and Power (CHP) Program. On December 16, 2010, the CPUC adopted Decision 10-12-035, CHP Program Settlement Agreement. This settlement approves the new program designed to preserve resource diversity, fuel efficiency, greenhouse gas (GHG) emissions reductions, and other benefits and contributions of CHP; to promote new, lower GHG-emitting CHP facilities and encourage the repowering, operational changes through utility-pre-scheduling, or retirement of existing, higher GHG-emitting CHP facilities; and additionally, provides for an appropriate allocation of the costs of the Qualifying Facility (QF)/CHP program to all customers in California who benefit from the CHP portfolio.

Specifically related to CHP/QF amendments (and this agreement), on October 8, 2010, PG&E filed its first application. On January 28, 2011, PG&E filed its second application related to additional CHP/QF amendments. Then on March 4, 2011, PG&E filed Advice Letter 3811-E, related to two qualifying facilities under Berry Petroleum.

***b) Justification for Procurement Processes***

***For competitive solicitations, describe the process used to rank offers and select winning bid(s).***

- During the Quarter, PG&E did not execute new contracts resulting from RFOs.

***For other transactional methods, provide the documentation supporting the selection of the chosen products.***

- CAISO Monthly CRR Allocation and Auction Process – PG&E determined that with the implementation of the CAISO’s Market Redesign and Technology Upgrade (MRTU), PG&E would be exposed to congestion risk on the electric transmission grid as power is delivered from its generating resources and imports to serve bundled customer load. PG&E estimated that a portion of its generation, imports and load in the months of February 2011, March 2011, and April 2011, remained exposed to congestion risk, and therefore participated in the CAISO’s Monthly CRR allocation and auction process to obtain CRRs to mitigate this risk. PG&E sought CRRs to fulfill the following objectives: (1) narrow the distribution of PG&E’s energy procurement costs due to electric transmission congestion as measured by the electric To-expiration-Value-at-Risk; and (2) reduce the expected congestion costs that the Utility would incur in its operations. PG&E only sought CRRs that were consistent with PG&E’s actual congestion position. Therefore, only known portfolio positions, including existing and executed supply arrangements, were considered in the selection of CRR candidates in the monthly CRR allocation and auction process. In all its detailed analysis and CRR selection strategy, PG&E used Locational Marginal Pricing (LMP) congestion prices and

risk characteristics from CAISO's CRR auctions and studies, as well as an internal assessment of LMP congestion prices. PG&E provided information regarding its CRR strategy to the PRG.

- Convergence Bidding - CAISO initiated convergence bidding on February 1, 2011. The CPUC authorized in D.10-12-034 PG&E's participation in convergence bidding using three specific strategies.
- Voice and On-Line Brokers, Electronic Exchanges, and Bilateral – Direct with Counterparties – The dynamic environment of the short-term electric markets requires that traders have the ability to transact when market conditions are within parameters described by a particular trading strategy. Prices vary during a trading session as buyers and sellers adjust their prices in response to items such as electric system conditions, market responses, industry news and weather forecasts. As a result, it is common to see trades executed at different prices over the course of a trading session. The key aspect is that the transaction was executed within the parameters described by the trading strategy. PG&E maintains flexibility in its procurement activities by transacting in various forums, e.g., voice and on-line brokers, electronic exchanges, and directly with counterparties. As not all counterparties participate in a single forum, transacting in various forums gives PG&E the opportunity to transact with many counterparties.

For all competitive solicitations that either involve affiliate transactions or utility-owned or utility turnkey bids, and for all competitive RFOs seeking products to satisfy service area need and supply-side resources greater than two years in length (and subject to QCR filings) regardless of the bidders, Independent Evaluator (IE) Reports will be included in Confidential Attachment G, *Independent Evaluator Reports*. For the Quarter, there were two IE Reports related to electric products.

For the Quarter, PG&E executed two electric transactions that are subject to a strong showing standard. A discussion is provided and the transactions are disclosed separately in Confidential Attachment M, *Transactions Subject to a Strong Showing*.

Presentations of those activities presented to the PRG are in Confidential Attachment F, *Key Briefing Packages*.

Executed agreements are in Confidential Attachment H, *New Contracts Executed/Contracts Amended*. For the Quarter, there were executed agreements related to the 2011 RA Solicitation Auction conducted in March.

**c) Natural Gas**

***Description of Procurement Processes***

The approved procurement processes used during the Quarter were as follows:

- Electronic Exchanges - Commodity Purchases/Sales – PG&E bought and sold physical natural gas on the Intercontinental Exchange (ICE) and the ICE Natural Gas Exchange (NGX) physical clearing service. ICE is an electronic system that matches buyers and sellers of natural gas products. Once buyer and seller are matched, ICE trades become bilateral trades. ICE/NGX trades are cleared by NGX rather than bilaterally. Transactions include forward transactions with deliveries starting within the next quarter and up to one quarter in duration, monthly, BOM, day-ahead, and same-day.
- Electronic Exchanges - Gas Hedges – PG&E executed hedges (swaps and options) directly on the ICE, and cleared through exchanges (ICE or the New York Mercantile Exchange (NYMEX)). ICE and NYMEX provide access to anonymous bids and offers establishing both a liquid and robust market for financial products, and a benchmark for bilateral products. These products include Henry Hub swaps and options, and basis swaps against the industry benchmark indices, including Canadian Gas Price Reporter (CGPR), Gas Daily, Natural Gas Intelligence (NGI) and Inside Federal Energy Regulatory Commission (FERC).

- Bilateral - Commodity Purchases/Sales – PG&E bought and sold gas directly with counterparties in the bilateral market. Day-ahead gas is traded at fixed prices and Gas Daily or CGPR index. Term gas (BOM and longer) is purchased at fixed prices, daily index (Gas Daily or CGPR) or bid week index (CGPR, NGI, and Inside FERC).
- Electronic Auctions - Gas Hedges – PG&E executed natural gas options using an electronic auction process and cleared those trades through the NYMEX exchange. PG&E calculates the live market value of the options using an option pricing tool offered by SuperDerivatives, Inc. ([www.superderivatives.com](http://www.superderivatives.com)). PG&E uses an electronic auction process to solicit offers directly from several counterparties using instant messaging. If the offers that PG&E receives from the counterparties are close to or below those calculated using Superderivatives, PG&E will accept the lowest price offer from a counterparty and then PG&E and the counterparty submit the trade to NYMEX for financial clearing
- Voice Brokers - Gas Hedges – PG&E executed hedges (swaps and options) through voice brokers that resulted in exchange-cleared trades. Brokers provide access to anonymous bids and offers from both bilateral parties and cleared counterparties. After a broker matches a buyer and a seller in a trade, the parties will determine whether the trade will be settled bilaterally or cleared through NYMEX or ICE. The broker market trades the same financial products as the bilateral market.
- Bilateral - Liquids Extraction Services – On March 1, 2011, PG&E executed a letter agreement with Granite Gas Products, Inc. and Shell Canada Energy to provide PG&E liquids extraction services at the Waterton SLATE Project. The Waterton SLATE Project will extract liquid hydrocarbons from PG&E's gas stream flowing in Alberta, Canada. In exchange, Granite Gas Products, Inc. will pay PG&E for liquids extracted.

- Bilateral - Rocky Mountain Gas Supply Transaction – PG&E executed a bilateral transaction for gas supply complementing PG&E’s firm pipeline capacity on the Ruby Pipeline. The transaction is described in *Confidential Attachment H*.

**d) Justification for Procurement Processes**

***For competitive solicitations, describe the process used to rank offers and select winning bid(s).***

- During the Quarter, PG&E did conduct a solicitation for gas products.
- Electronic Exchanges - Commodity Purchases/Sales – ICE and ICE/NGX provide access to anonymous bids and offers establishing both a liquid and robust market for physical products, and benchmarks for bilateral products. PG&E makes extensive use of ICE and ICE/NGX for term, day-ahead and same-day gas.
- Electronic Exchanges - Gas Hedges – ICE and NYMEX provide access to anonymous bids and offers establishing both liquid and robust markets for financial products, and benchmark for bilateral products. PG&E makes extensive use of both exchanges for financial swaps and options.
- Bilateral - Commodity Purchases/Sales – PG&E uses the bilateral markets for physical gas trading to supplement spot gas trades on ICE/NGX and for delivery periods not actively traded on ICE or ICE/NGX. PG&E uses the real-time ICE bid/ask prices and ICE weighted average transacted prices, as well as broker quotes, as benchmarks for trading. For term gas, PG&E trades at either a Gas Daily or a bidweek index (CGPR, NGI, or Inside FERC).
- Electronic Auctions - Gas Hedges – PG&E uses an electronic auction process using instant messaging to purchase natural gas options. The only exchange-traded gas options in the market are traded in the trading pits of the NYMEX exchange in New York. The commodity underlying the NYMEX pit-traded options is the NYMEX futures contract, which if held to expiration, results in physical gas delivered at Henry Hub, Louisiana. PG&E prefers over-the-counter options because they settle in cash and cannot result in physical gas delivered to an

unsuitable location. PG&E's approach to trading options in the bilateral market uses an electronic auction process through instant messaging, which provides the benefits of a live auction without the time overhead of a formal RFO process (the time delay in the RFO process causes option sellers to increase their offers to cover the risk of price movements).

- Voice Brokers - Gas Hedges – PG&E uses voice brokers for gas financial trading to supplement trades directly through ICE. Voice brokers are beneficial because they are anonymous, offer a wide range of counterparties, and provide critical price discovery across a wide variety of products. PG&E primarily uses voice brokers to trade products that are less liquid on ICE or NYMEX. PG&E tends to use ICE or NYMEX clearing services in conjunction with voice brokers in order to get the best prices—through clearing PG&E can be matched with any counterparty without having to be concerned about counterparty credit risk. When trading through voice brokers, PG&E uses real-time ICE and NYMEX bid/ask and last trade prices as benchmarks for trading. In addition, voice brokers provide live bids and offers from anonymous buyers and sellers, very similar to the electronic exchanges.

For all competitive solicitations that involve affiliate transactions or utility-owned or utility turnkey bids, IE Reports are required and will be included in Confidential Attachment G, *Independent Evaluator Reports*. During this Quarter, PG&E has included an IE Report for the Rocky Mountain Gas Supply bilateral transaction.

For transactions subject to a strong showing standard, a discussion is provided and the transactions are disclosed separately in Confidential Attachment M, *Transactions Subject to a Strong Showing*. During the Quarter, PG&E did execute term physical gas transactions.

Presentations of those activities presented to the PRG are in Confidential Attachment F, *Key Briefing Packages*.

Executed agreements are provided in Confidential Attachment H, *New Contracts Executed/Contracts Amended*. For the Quarter, there are two agreements related to gas products that apply to this QCR.

**e) Other Commodities**

This section is not applicable.

**4. Explanation/justification for the timing of the transactions.**

Throughout the Quarter, PG&E attempted to enter into electric transactions needed to reduce its net open position. This objective was achieved by gradually reducing the forecast open (*i.e.*, short or long) energy positions through the use of products such as month-ahead, BOM, day-ahead, and hour-ahead transactions, etc., employing both standard and non-standard products. When selecting electric transactions, the best-priced bids/offers were selected first (merit-order selection) among those available for the required products at the time of the transaction, subject to credit and other limitations and operational constraints. Operational constraints include the local area reliability requirements of the CAISO, as set forth in D.04-07-028.

For daily physical gas transactions, timing of execution is primarily driven by the requirement to match fuel usage and supply on a daily and monthly basis, and by the availability of information impacting expectations for daily dispatch of electric generating units. For transactions one month or longer, PG&E typically fills its forecast short gas positions in month-ahead, seasonal, or annual blocks, depending on the liquidity and prices available in each of these markets.

Detailed explanation/justification for the timing of the transactions is included in Confidential Attachment J, *System Load Requirements/Conditions*.

**5. Discussion of the system load requirements/conditions underlying the need for the Quarter's transactions.**

*a) Near-Term Planning and Procurement*

PG&E develops a near-term analysis of its resource position (intra-month through several months forward) using an optimization model, which solves for lowest cost by optimizing a mix of resources to meet requirements, including dispatchable California Department of Water Resources contracts, Utility Retained Generation resources, Power Purchase Agreements with dispatchability, Tolling Arrangements with “Merchant Plants,” and market purchases, while accounting for all resource requirements and constraints (must-run, must-take and operating constraints).

Term and BOM purchases and sales may be transacted to close the net open position and to reduce PG&E's reliance on the spot market. PG&E may also conduct locational basis spread transactions to manage its position at different delivery locations. After identifying transactions required to meet the must-run, must-take and operating constraints, PG&E considers “economic” transactions that involve decisions regarding dispatchable units and market purchases/sales. The decision to engage in “economic” transactions is more complex and depends on several quantitative and subjective factors. “Economic” transactions are conducted using information and data regarding system conditions, market prices and options available at the time of the decision. While potentially attractive “economic” transactions that reduce ratepayer volatility inherently include risks that must be considered, such as: (a) sharp swings in electric prices; (b) changes in production costs due to market dynamics; or (c) system changes, which may result in these transactions becoming more, or less, valuable, during the operating period or possible losses on hedge transactions. Additionally, changes in load or expected generation and other market and system conditions may result in having to buy (or sell) energy in the day-ahead or real-time markets at a cost greater than the revenue earned (or a price less than paid) in the forward transaction. Factors that go into the decision to engage in these transactions include (but are not

limited to) the forecasted level of short/long energy during the forecasted period, sensitivity to changes in market price, reserve margins and demand volatility.

***b) PG&E Participation in the CAISO Markets***

In day-ahead planning, PG&E strives to balance projected energy requirements with available resources and provide hour-ahead traders and real-time operators with appropriate resources in order to respond to changes that may occur on the electrical system subsequent to day-ahead trading. On a daily basis, PG&E conducts a least-cost analysis to forecast unit dispatch and determine market transactions to meet energy and ancillary services requirements. This process integrates all regulatory, environmental, safety and legal requirements.

PG&E's day-ahead planning and procurement incorporates weather-adjusted load forecasts, resource availability, dispatch costs and current bilateral electric market and forecasts of the CAISO's Integrated Forward Market (IFM) prices. The results of this analysis will determine the costs of each of its dispatchable resources to use to bid these resources into the IFM and Hour-Ahead Scheduling Process/Real-Time Market. The CAISO then assures least cost dispatch by considering all resources simultaneously with all transmission constraints.

For January, the CAISO required that scheduling coordinators clear at least 85 percent of their load in the CAISO's day-ahead IFM. This is no longer a requirement with the implementation of convergence bidding on February 1.

In the real-time market, similar to the day-ahead market, PG&E submits resource bids and schedules into CAISO markets and those resources that clear the market will be obligated to operate in real time.

PG&E participates in the daily bilateral energy market using a combination of brokered transactions, exchange-based transactions and direct transactions with counterparties. Bilateral day-ahead trading generally occurs between 5:30 a.m. and 7 a.m. on the business day prior to the operating day. The bilateral day-ahead market

continues to evolve in terms of participants, products and characteristics. The majority of transactions executed were either financial swaps or Inter Scheduling Coordinator Trades (IST). PG&E transacts both products. PG&E executed transactions in the bilateral day-ahead market and participated in the CAISO's MRTU day-ahead market by bidding and scheduling its load and resources.

The bilateral hour-ahead market, while active, is far less transparent and dynamic than that of the bilateral day-ahead market. As there are few brokers operating in this market and limited electronic exchange opportunities, the bulk of transactions are executed directly with counterparties. Market opportunities have been further reduced with the advent of MRTU and the volatility of the CAISO's real-time energy market. Though bilateral market opportunities have been reduced, PG&E still participates in the hour-ahead market via bidding and scheduling its resources into the CAISO's real-time market in order to optimize its generation and market transactions to reduce costs.

***c) Locational Spreads***

During the Quarter, PG&E did not engage in day-ahead locational spread transactions. This was primarily due to the MRTU market which reduced the need for PG&E to manage its physical position by executing locational spread transactions in the bilateral market.

***d) PG&E-Owned Generation Conditions During First Quarter 2011***

PG&E received 106 percent of normal rainfall for the Quarter. Most of this precipitation fell as snow resulting in an above normal snow pack. Hydroelectric operations focused on using available runoff and managing reservoirs to position them for the runoff season.

Helms Pumped Storage Project was used to meet peak daily loads and provide ancillary service reserves. Helms pumped throughout the quarter as system conditions and economics allowed. Pumping was limited by transmission work and unit

maintenance. The major turbine overhaul of Helms 1 continued into the first Quarter of 2011 and ended March 16. Helms 2 began its annual maintenance on March 27.

Significant planned maintenance on conventional hydro during the quarter included work on Balch Units 1, 2 and 3 (33 megawatts (MW), 54 MW, and 54 MW, respectively), Belden (118 MW), Caribou Units 1-5 (194 MW total), Electra Units 1-3 (99 MW total), Exchequer (89 MW), Forbestown (39 MW), Kings (52 MW), Middle Fork Units 1 and 2 (68 MW each), Pit 3 Units 1 and 2 (23.3 MW each), Pit 6 Units 1 and 2 (40 MW each), Pit 7 Units 1 and 2 (56 MW each), Poe Units 1 and 2 (60 MW each), Ralston (88 MW), Salt Springs 2 (34 MW), and Tiger Creek Units 1 and 2 (30 MW each).

Significant forced outages on conventional hydro during the quarter included: Balch Unit 3 with collector ring trouble, and Bucks Creek 2 with bearing trouble.

For PG&E's retained fossil generation, the Colusa Generating Station (668 MW) took a short maintenance outage. At Humboldt Generating Station, maintenance was done on several of the 10 engines and engines 8, 9 and 10 were forced out due to a fire in Engine 9. Engine 9 remains out of service with a forecast return date of late June.

Diablo Canyon 2 (1,150 MW) was out forced offline for several days due to a feed water pump issue.

Confidential discussion of the monthly system conditions is included in Confidential Attachment J, *System Load Requirements/Conditions*.

## **6. Discussion of how the Quarter's transactions meet the goals of the risk management strategy reflected in the Plan.**

During the Quarter, PG&E executed transactions in accordance with its risk management strategy and approved Plan. PG&E executed hedges in accordance with its approved Conformed 2006 Long-Term Procurement Plan (Resolution E-3951, Resolution E-4177, Resolution E-4276 and Resolution E-4362). Financial hedges were executed directly on the ICE, through a broker and cleared through an exchange (ICE or the NYMEX) or through an electronic auction and

cleared through an exchange. ICE and the brokers provide access to anonymous bids and offers from both bilateral parties and cleared counterparties establishing both a liquid and robust market for financial products, and a benchmark for bilateral products. These products include Henry Hub swaps and options, and basis swaps against the industry benchmark indices, including CGPR, Gas Daily, NGI and Inside FERC. A list of information regarding Consumer Risk Tolerance notifications and management disclosures is included in Confidential Attachment K, *Risk Management Strategy*.

**7. Copy of each contract.**

A list of contracts executed and/or modified by PG&E during the Quarter is included in Confidential Attachment H, *New Contracts Executed/Contracts Amended*. Copies of the contracts that were not separately filed are also included in Confidential Attachment H. All final RFO contracts subject to QCR filings along with the IE reports, if any, are reported in Confidential Attachments H and G, *Independent Evaluator Reports*, respectively.

**8. The valuation results for the contract(s) (for contracts of three months or greater duration).**

PG&E provides the valuation method and results for the contracts filed via this QCR in Confidential Attachments H, *New Contracts Executed/Contracts Amended*.

**9. An electronic copy of any data or forecasts used to analyze the transactions.**

Because transaction personnel are continuously monitoring a wide range of market information on a 24-hour-per-day, 7-day-per-week basis, it is not feasible to provide all the data and forecasts used to analyze all potential and executed transactions. However, key analysis data utilized during the Quarter is contained in Confidential Attachment J, *System Load Requirement/Conditions*.

**10. Provide a reasonable number of analyses requested by the Commission or the PRG and provide the resulting outputs.**

To the extent any analyses requested by the Commission or PRG during the Quarter were not already included as a part of PG&E's response to Items 1 through 9 above, such additional analyses would be contained in Confidential Attachment F, *Key Briefing Packages*.

**11. Any other information sought by the Commission under the Public Utilities Code.**

To the extent the Commission requested information for the Quarter not already provided in the Master Data Request, such information would be included in the workpapers. Energy Division has requested that PG&E provide transparent exchange traded prices. PG&E has included this information in Confidential Attachment M, *Transactions Subject to Strong Showing*.

**D. Additional Reporting Requirement Pursuant to Decision 07-01-039**

As required by Ordering Paragraph 12 of D.07-01-039, PG&E has included in Confidential Attachment I, *Summary of Retained Generation Investments Completed*, investments in retained generation that were completed during the Quarter, as well as any multiple contracts of less than five years with the "same supplier, resource or facility." (Section 5.1, p. 152.) During the Quarter, this section does not apply to PG&E.

**E. Cost Allocation Mechanism (CAM)**

For the Quarter, PG&E did not transact for any CAM-elected resources.

**PG&E Gas and Electric  
Advice Filing List  
General Order 96-B, Section IV**

AT&T	Dept of General Services	Northern California Power Association
Alcantar & Kahl LLP	Douglass & Liddell	Occidental Energy Marketing, Inc.
Ameresco	Downey & Brand	OnGrid Solar
Anderson & Poole	Duke Energy	Praxair
Arizona Public Service Company	Dutcher, John	R. W. Beck & Associates
BART	Economic Sciences Corporation	RCS, Inc.
Barkovich & Yap, Inc.	Ellison Schneider & Harris LLP	Recurrent Energy
Bartle Wells Associates	Foster Farms	SCD Energy Solutions
Bloomberg	G. A. Krause & Assoc.	SCE
Bloomberg New Energy Finance	GLJ Publications	SMUD
Boston Properties	GenOn Energy, Inc.	SPURR
	Goodin, MacBride, Squeri, Schlotz & Ritchie	San Francisco Public Utilities Commission
Braun Blaising McLaughlin, P.C.	Green Power Institute	Santa Fe Jets
Brookfield Renewable Power	Hanna & Morton	Seattle City Light
CA Bldg Industry Association	Hitachi	Sempra Utilities
CLECA Law Office	In House Energy	Sierra Pacific Power Company
CSC Energy Services	International Power Technology	Silicon Valley Power
California Cotton Ginners & Growers Assn	Intestate Gas Services, Inc.	Silo Energy LLC
California Energy Commission	Lawrence Berkeley National Lab	Southern California Edison Company
California League of Food Processors	Los Angeles Dept of Water & Power	Spark Energy, L.P.
California Public Utilities Commission	Luce, Forward, Hamilton & Scripps LLP	Sun Light & Power
Calpine	MAC Lighting Consulting	Sunshine Design
Cardinal Cogen	MBMC, Inc.	Sutherland, Asbill & Brennan
Casner, Steve	MRW & Associates	Tabors Caramanis & Associates
Chris, King	Manatt Phelps Phillips	Tecogen, Inc.
City of Palo Alto	McKenzie & Associates	Tiger Natural Gas, Inc.
City of Palo Alto Utilities	Merced Irrigation District	TransCanada
Clean Energy Fuels	Modesto Irrigation District	Turlock Irrigation District
Coast Economic Consulting	Morgan Stanley	United Cogen
Commercial Energy	Morrison & Foerster	Utility Cost Management
Consumer Federation of California	NLine Energy, Inc.	Utility Specialists
Crossborder Energy	NRG West	Verizon
Davis Wright Tremaine LLP	Navigant Consulting	Wellhead Electric Company
Day Carter Murphy	Norris & Wong Associates	Western Manufactured Housing Communities Association (WMA)
		eMeter Corporation
Defense Energy Support Center	North America Power Partners	
Department of Water Resources	North Coast SolarResources	