

Jane Yura
Vice President
Regulation and Rates

Mailing Address
Mail Code B10B
Pacific Gas and Electric Company
P.O. Box 770000
San Francisco, CA 94177

Fax: 415.973.6520

February 1, 2011

Advice 3583-E-A

(Pacific Gas and Electric Company ID U39 E)

Public Utilities Commission of the State of California

Subject: Suppleme

Supplemental Filing for the Contracts for Procurement of Renewable Energy Resulting from Power Purchase Agreements Between Shell Energy North America (US), L.P. and Pacific Gas and Electric Company

Pacific Gas and Electric Company ("PG&E") hereby submits to the California Public Utilities Commission ("Commission" or "CPUC") a supplemental filing for Advice 3583-E, dated December 23, 2009 ("Advice Letter"). The Advice Letter submitted three wind energy purchase agreements (collectively, the "Agreements") (individually Big Horn², Wheat Field and Combine Hills II), between PG&E and Shell Energy North America (US), L.P. ("Shell") for CPUC review and approval. The Advice Letter requests approval of deliveries of 938 gigawatt hours ("GWh") of energy eligible for the California Renewables Portfolio Standard ("RPS"). The Advice Letter is currently pending approval by the Commission.

The purpose of this filing is to obtain CPUC approval of the amendments to the Agreements between PG&E and Shell (the "Amendments") required by Decision ("D.") 10-03-021, as amended by D.11-01-025³ (the "Decision"), which modified some of the standard terms and conditions that the CPUC requires be included in RPS-eligible power purchase agreements ("PPA"). This Advice Letter also complies with D. 10-03-021, as amended by D.11-01-025, by providing certain information regarding the prices of

_

³ Issued January 14, 2011.

¹ Supplements to Advice Letters are authorized by General Order 96-B, section 7.5.1. As PG&E's supplemental filing only updates standard terms and conditions and provides supplemental information in compliance with D.10-03-021 and D.11-01-025, this filing should not delay the effective date of the advice letter.

Refers to the second Big Horn transaction ("Big Horn #2") for a second phase of deliveries from the same project site as the first Big Horn project ("Big Horn 1") site filed in AL #3617 and approved by the Commission. Big Horn #2 is the second, 50-MW phase of development at the site.

Renewable Energy Credits ("RECs" or "TRECs") in the Agreements and the status of PG&E's REC-only procurement.

The Amendments are limited to changes necessary to incorporate the Commission's new standard terms and conditions set forth in Ordering Paragraphs 35 and 36 of D.10-03-021, as modified by D.11-01-025. These Amendments are provided in full in Appendices B1, B2 and B3. PG&E is also submitting, as Confidential Appendix A, the supplemental information required by Ordering Paragraph 32 of the Decision, as modified by D.11-01-025. Pursuant to Energy Director Julie Fitch's January 24, 2011, letter to PG&E implementing the Decision's order to file supplemental advice letter for pending contracts (the "Fitch Letter"), the spreadsheets in Confidential Appendix A show the data, formulas used for calculations, and any underlying assumptions that PG&E has made.

Compliance With Ordering Paragraphs 35 and 36 of D.10-03-021, As Modified By D.11-01-025

On March 16, 2010, the Commission issued D.10-03-021, which authorized the use of RECs to comply with California's RPS. The Decision set forth new standard terms and conditions to be incorporated into agreements that it deems to involve REC-only transactions. The Decision defines bundled transactions as those in which either the RPS-eligible generator's first point of interconnection with the Western Electricity Coordinating Council ("WECC") interconnected transmission system is with a California balancing authority, or the RPS-eligible energy from the transaction is dynamically transferred to a California balancing authority.⁴ All other transactions are considered REC-only transactions.

Pursuant to the Agreements, PG&E will procure energy from RPS-eligible facilities that are first interconnected to the WECC outside California. Therefore, the Projects' first point of interconnection with WECC is not with a California balancing authority. In addition, the energy from the transaction will not be dynamically transferred to a California balancing authority. Thus, as defined by the Decision, the Agreements are REC-only transactions for purposes of RPS compliance and must comply with the additional filing requirements for such transactions as set forth in the Decision.

The Amendments modify the Agreements to conform the provisions to the standard terms and conditions set forth in the Decision. Thus, with the Amendments, the

_

⁴ D.10-03-021, Ordering Paragraph 7.

Agreements contain provisions that conform exactly to the "non-modifiable" terms set forth in the Decision and in previous decisions, including D.07-11-025, D.08-04-009, and D.08-08-028. Pursuant to the Fitch Letter, the applicable non-modifiable terms may be found in the following sections and pages of the Agreements and Amendments.

Big Horn #2 Non-Modifiable Term	Section Title	Page No.
From Confirmation Agreement		
STC 1: CPUC Approval	Glossary of Definitions	7
STC 2: RECs and Green Attributes		
• Definition of Green Attributes	Glossary of Definitions	7 - 8
Conveyance of Green Attributes	Special Provisions – 11. Conveyance of Green Attributes	6
STC 6: Eligibility	Special Provisions – 10(a) Eligibility	5
STC 17: Applicable Law	Special Provisions – 15. Governing Law	6
STC REC-1 Transfer of renewable energy credits	Special Provisions – 10(b) Eligibility	5 – 6
STC REC-2 Tracking of RECs in WREGIS	Special Provisions – 5. Tracking of RECs in WREGIS	4
From First Amendment of the Confirmation	n Agreement	
STC REC-1 Transfer of renewable energy credits	Amendment Item C: Special Provisions – 10(b) Eligibility	Amendment Pg. 2
STC REC-2 Tracking of RECs in WREGIS	Amendment Item B: Special Provisions – 5. Tracking of RECs in WREGIS	Amendment Pg. 2
STC REC-3: CPUC Approval	Amendment Item A: Glossary of Amendment Definitions Pgs. 1 -	

Combine Hills II Non-Modifiable Term	Section Title	Page No.	
From Confirmation Agreement			
STC 1: CPUC Approval	Glossary of Definitions	8	
STC 2: RECs and Green Attributes			
Definition of Green Attributes	Glossary of Definitions	8 – 9	
Conveyance of Green Attributes	Special Provisions – 11. Conveyance of Green Attributes	6	

Combine Hills II Non-Modifiable Term	Section Title	Page No.
STC 6: Eligibility	Special Provisions – 10(a) Eligibility	6
STC 17: Applicable Law	Special Provisions – 15. Governing Law	7
STC REC-1 Transfer of renewable energy credits	Special Provisions – 10(b) Eligibility	6
STC REC-2 Tracking of RECs in WREGIS	Special Provisions – 5. Tracking of RECs in WREGIS	5
From First Amendment of the Confirmation	1 Agreement	
STC REC-1 Transfer of renewable energy credits	Amendment Item C: Special Provisions – 10(b) Eligibility	Amendment Pg. 2
STC REC-2 Tracking of RECs in WREGIS	Amendment Item B: Special Provisions – 5. Tracking of RECs in WREGIS	Amendment Pg. 2
STC REC-3: CPUC Approval	Amendment Item A: Glossary of Definitions	Amendment Pgs. 1 – 2

Wheat Field Non-Modifiable Term	Section Title	Page No.
From Confirmation Agreement		
STC 1: CPUC Approval	Glossary of Definitions	7
STC 2: RECs and Green Attributes		
Definition of Green Attributes	Glossary of Definitions	8
Conveyance of Green Attributes	Special Provisions – 11. Conveyance of Green Attributes	6
STC 6: Eligibility	Special Provisions – 10(a) Eligibility	6
STC 17: Applicable Law	Special Provisions – 15. Governing Law	7
STC REC-1 Transfer of renewable energy credits	Special Provisions – 10(b) Eligibility	6
STC REC-2 Tracking of RECs in WREGIS	s in Special Provisions – 5. Tracking of RECs in WREGIS	
From First Amendment of the Confirmatio	n Agreement	
STC REC-1 Transfer of renewable energy credits	Amendment Item C: Special Provisions – 10(b) Eligibility	Amendment Pg. 2
STC REC-2 Tracking of RECs in WREGIS	•	

Wheat Field Non-Modifiable Term	Section Title	Page No.
	WREGIS	
STC REC-3: CPUC Approval	Amendment Item A: Glossary of Definitions	Amendment Pgs. 1 – 2

Compliance With Ordering Paragraph 32 of D.10-03-021, As Modified By D.11-01-025

The Decision established a temporary price cap of \$50/TREC.⁵ For REC-only contracts that provide a combined price for both RECs and energy, a REC price must be calculated to compare to the TREC price cap to determine if the REC may be used for RPS compliance. As further described in Advice Letter 3583-E, the Agreements provide PG&E with bundled renewable energy (energy and Green Attributes) delivered as a firmed and shaped product at the California-Oregon Border. Under the Agreements, the prices of the Green Attributes constitute the REC prices. Though the prices contained in the Agreements are confidential, market-sensitive information detailed in Confidential Appendix A, the REC prices in the Agreements are below the temporary price cap. PG&E has determined that the REC prices of each of the Agreements are competitive when compared with the value that the contracts offer within the context of PG&E's portfolio and procurement requirements. Furthermore, the prices of the Agreements are competitive with other renewable procurement options that PG&E has negotiated, as demonstrated in Confidential Appendix A.

The Decision also established a temporary cap on the amount of TRECs that PG&E may use for RPS compliance. Specifically, PG&E may meet no more than 25% of its annual procurement target ("APT") in the years 2010-2013 with TRECs. D.10-03-021 does not, however, prohibit PG&E from procuring TRECs in a quantity above 25% of its annual RPS procurement obligations. To the contrary, D.10-03-021 explicitly allows PG&E to procure TRECs in excess of the 25% limit and to carry forward the deliveries to a year in which the limit is not exceeded. In addition, there is no limitation on the number of years for which excess TRECs may be carried forward.

In order to allow the Commission to develop a report on the TREC market and the role of TRECs in RPS compliance, the Decision requires PG&E to include specific information

-

⁵ The TREC price cap will sunset December 31, 2013. See D.10-03-021, Ordering Paragraph 21, as modified by D.11-01-025, Ordering Paragraph 4M.

⁶ The TREC usage limit cap will sunset December 31, 2013. See D.10-03-021, Ordering Paragraph 19, as modified by D.11-01-025, Ordering Paragraph 4L.

in advice letters seeking approval of REC-only transactions. In compliance with both the Decision and, the Fitch Letter, PG&E submits Confidential Appendix A, which presents the information required in REC-only advice letter filings set forth in Ordering Paragraph 32 of the Decision. Because PG&E used confidential internal energy forecasts to be consistent with the methodology PG&E has used in other CPUC RPS compliance reports, the columns in Confidential Appendix A showing TREC procurement in relation to the cap for years 2011-2013 are redacted from the public version of the Advice Letter. Nevertheless, in light of the Fitch Letter's encouragement to make information about TREC usage public, PG&E notes that its ability to procure additional TRECs for use in 2011-2013 is very limited, assuming that executed contracts deliver pursuant to contract terms. In fact, PG&E calculates that it would more than fill its 25% cap in 2011 under those assumptions, and would therefore carry forward a small balance for use in later program years.

Effective Date

PG&E requests that this supplemental filing become effective concurrently with the Commission's disposition of Advice Letter 3583-E.

Request for Confidential Treatment

In support of this supplemental filing, PG&E has provided the following confidential information. This information is being submitted in the manner directed by D.08-04-023 and the August 22, 2006, Administrative Law Judge's Ruling Clarifying Interim Procedures for Complying with D.06-06-066 to demonstrate the confidentiality of the material and to invoke the protection of confidential utility information provided under either the terms of the IOU Matrix, Appendix 1 of D.06-06-066 and Appendix C of D.08-04-023, or General Order 66-C. A separate Declaration Seeking Confidential Treatment is being filed concurrently with this supplemental filing.

Confidential Attachment:

Appendix A (Confidential) – Supplemental TREC Information

-

⁷ D.10-03-021Ordering Paragraph 32, as modified by D.11-01-025.

Public Attachments:

Appendix A (Public) – Supplemental TREC Information (Redacted)

Appendix B1 – First Amendment of Big Horn Confirmation Agreement

Appendix B2 – First Amendment of Combine Hills II Confirmation Agreement

Appendix B3 – First Amendment of Wheat Field Confirmation Agreement

Request for Commission Approval

PG&E requests that any resolution that approves Advice Letter 3583-E also approves each of the Amendments.

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 list for R.08-08-009, R.06-02-012, and R.08-02-007. Non-market participants who are members of PG&E's Procurement Review Group and have signed appropriate Non-Disclosure Certificates will also receive the advice letter and accompanying confidential attachments by overnight mail. Address changes should be directed to PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: http://www.pge.com/tariffs.

Vice President – Regulation and Rates

cc: Service List for R.08-08-009

Jane Yma/emt

Service List for R.06-02-012

Service List for R.08-02-007

Paul Douglas - Energy Division

Sean Simon – Energy Division

Niki Bawa - Energy Division

Attachments

Limited Access to Confidential Material:

The portions of this supplemental filing marked Confidential Protected Material are submitted under the confidentiality protections of Sections 583 and 454.5(g) of the Public Utilities Code and General Order 66-C. This material is protected from public disclosure because it consists of price information and analysis of the proposed RPS contracts, which are protected pursuant to D.06-06-066 and D.08-04-023. A separate Declaration Seeking Confidential Treatment regarding the confidential information is filed concurrently herewith.

Confidential Attachment:

Appendix A (Confidential) – Supplemental TREC Information

Public Attachments:

Appendix A (Public) – Supplemental TREC Information (Redacted)

Appendix B1 – First Amendment of Big Horn Confirmation Agreement

Appendix B2 – First Amendment of Combine Hills II Confirmation Agreement

Appendix B3 – First Amendment of Wheat Field Confirmation Agreement

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)				
tility type: Contact Person: <u>David Poster and Linda Tom-Martinez</u>				
☑ ELC ☑ GAS	Phone #: (415) 973-10	Phone #: (415) 973-1082 and (415) 973-4612		
□ PLC □ HEAT □ WATER	E-mail: dxpu@pge.co	m and lmtl@pge.com		
EXPLANATION OF UTILITY TY	PE.	(Date Filed/ Received Stamp by CPUC)		
ELC = Electric GAS = Gas				
PLC = Pipeline HEAT = Heat V	WATER = Water			
Advice Letter (AL) #: <u>3583-E-A</u>		Tier: <u>3</u>		
		rement of Renewable Energy Resulting From Power S.), L.P., and Pacific Gas and Electric Company		
Keywords (choose from CPUC listing): Cor				
AL filing type: \square Monthly \square Quarterly \square Ann	ual ⊠One-Time □ Oth	er		
If AL filed in compliance with a Commission or	der, indicate relevant Dec	sion/Resolution #:		
Does AL replace a withdrawn or rejected AL? I	f so, identify the prior AI	: <u>No</u>		
Summarize differences between the AL and the	prior withdrawn or rejecto	ed AL:		
Is AL requesting confidential treatment? If so, vertex that identifies all of the confidential is		lity seeking confidential treatment for: Yes. See the attached		
		ed a nondisclosure agreement: \square Yes \square No All members of re agreements will receive the confidential information.		
Name(s) and contact information of the person(s information: <u>Charles Post</u> (415) 973-9286) who will provide the no	ndisclosure agreement and access to the confidential		
Resolution Required? Wes \(\sigma \) No	A navoval (acasavanant	:4h		
Requested effective date: <u>Upon Commission</u> approval of 3583-E)	Approvai (concurrent	with No. of tariff sheets: N/A		
Estimated system annual revenue effect (%): N/	<u>'A</u>			
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 1: N/A Pending advice letters that revise the same tariff sheets: N/A				
Protests, dispositions, and all other corresponde otherwise authorized by the Commission, and sh		due no later than 20 days after the date of this filing, unless		
CPUC, Energy Division	Pacif	ic Gas and Electric Company		
Tariff Files, Room 4005		Jane Yura		
DMS Branch		Vice President, Regulation and Rates ale Street, Mail Code B10B		
505 Van Ness Ave., San Francisco, CA 94102	P.O.	Box 770000		
jnj@cpuc.ca.gov and mas@cpuc.ca.gov		rancisco, CA 94177 il: PGETariffs@pge.com		

DECLARATION OF CHARLES H. POST SEEKING CONFIDENTIAL TREATMENT FOR CERTAIN DATA AND INFORMATION CONTAINED IN SUPPLEMENTAL FILING 3583-E-A (PACIFIC GAS AND ELECTRIC COMPANY - U 39 E)

I, Charles H. Post, declare:

- 1. I am presently employed by Pacific Gas and Electric Company ("PG&E"), and have been an employee at PG&E since 2000. My current title is Principal within PG&E's Energy Procurement organization. In this position, my responsibilities include negotiating PG&E's Renewables Portfolio Standard Program ("RPS") Power Purchase Agreements. In carrying out these responsibilities, I have acquired knowledge of PG&E's contracts with numerous counterparties and have also gained knowledge of the operations of electricity sellers in general. Through this experience, I have become familiar with the type of information that would affect the negotiating positions of electricity sellers with respect to price and other terms, as well as with the type of information that such sellers consider 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 Appendix A to Supplemental Filing 3583-E-A, submitted on February 1, 2011. Confidential Appendix A contains the supplemental information required by Decision ("D.")10-03-021, as modified by D.11-01-025. Through this Supplemental Filing, PG&E updates information contained in Advice Letter 3583-E, which seeks the Commission's approval of three wind energy purchase agreements (Big Horn, Wheat Field and Combine Hills II) that PG&E has executed with Shell Energy North America (US), L.P. ("Shell").

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 1 of D.06-06-066 and Appendix C of D.08-04-023 (the "IOU Matrix"), 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, if applicable, 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, if applicable; (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.

I declare under penalty of perjury, under the laws of the State of California, that to the best of my knowledge, the foregoing is true and correct. Executed on February 1, 2011, at San Francisco, California.

CHARLES H. POST

						PACIFIC GAS AND ELEC	TRIC COMPANY	
	Advice Letter 3583-E-A							
						February 1, 2	2011 	
				IDENTIFICA	TION OF CONFIDEN	I ITIAL INFORMATION PER	DECISION 06-06-066 AND DECISION 08-04-023	
	Redaction Reference	1) The material submitted constitutes a particular type of data listed in the Matrix, appended as Appendix 1 to D.06-066 and Appendix C to D.08-04-023 (Y/N)	Which category or categories in the Matrix the data correspond to:	3) That it is complying with the limitations on confidentiality specified in the Matrix for that type of data (Y/N)	4) That the information is not already public (Y/N)	5) The data cannot be aggregated, redacted, summarized, masked or otherwise protected in a way that allows partial disclosure (Y/N)	PG&E's Justification for Confidential Treatment	Length of Time
1	Document: A	dvice Letter 3583-E-A						
2	Appendix A (including three spreadsheets)		Item VII G) Renewable Resource Contracts under RPS program - Contracts without SEPs. Item VII (un-numbered category following VII G) Score sheets, analyses, evaluations of proposed RPS projects. Item V C) LSE Total Energy Forecast - Bundled Customer (MWh). Item VI B) Utility bundled Net Open Position for Energy	Y	Y	providing a redacted, public version of Confidential Appendix A to show information that is not market sensitive)	The entire Project Price Comparison spreadsheet included in this Appendix describes, analyzes, and evaluates price information regarding PG&E's RPS REC-only transactions. The redacted (highlighted in purple in confidential version) portions of the Data spreadsheet included in this Appendix includes PG&E's internal evaluation of the best project online date for each REC-only contract and price information for each REC-only contract. The redacted (highlighted in purple in confidential version) portions of the Project Contribution Tables tab included in this Appendix includes information that would allow a receipient to derive PG&E's internal foreast of bundled load for 2011, 2012, and 2013 and information that shows PG&E's net open position for REC-only contracts in those years. Disclosure of any this information would provide valuable market sensitive information to competitors. Since negotiations are still in progress with bidders from the 2005, 2006, 2007, 2008, and 2009 solicitations and with other counterparties, this information should remain confidential. Release of this information would be damaging to negotiations. Furthermore, the counterparties is the properties of the counterparties of the counterparties in the counterparties of the counterparties of this information would be damaging to negotiations. Furthermore, the counterparties is the counterparties of the counterparties of the counterparties of the counterparties.	For information covered under Item VII G) and Item VII (un-numbered category following VII G), remain confidential for three years after the commercial operation date. For Item V C) and Item VI B), remain confidential for the front three years of forecast data.
							expectation that the pricing terms of the PPAs will remain confidential pursuant to confidentiality provisions in the PPAs.	

Page 1 of 1 IOU Matrix

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

Alcantar & Kahl LLP

Ameresco

Anderson & Poole

Arizona Public Service Company

BART

Barkovich & Yap, Inc. Bartle Wells Associates

Bloomberg

Bloomberg New Energy Finance

Boston Properties

Braun Blaising McLaughlin, P.C. Brookfield Renewable Power CA Bldg Industry Association

CLECA Law Office CSC Energy Services

California Cotton Ginners & Growers Assn

California Energy Commission

California League of Food Processors California Public Utilities Commission

Calpine

Cardinal Cogen
Casner, Steve
Chris, King
City of Palo Alto
City of Palo Alto Utilities
Clean Energy Fuels

Coast Economic Consulting

Commercial Energy

Consumer Federation of California

Crossborder Energy Davis Wright Tremaine LLP

Day Carter Murphy

Defense Energy Support Center Department of Water Resources

Dept of General Services

Division of Business Advisory Services

Douglass & Liddell Downey & Brand Duke Energy Dutcher, John

Economic Sciences Corporation Ellison Schneider & Harris LLP

Foster Farms

G. A. Krause & Assoc. GLJ Publications

Goodin, MacBride, Squeri, Schlotz &

Ritchie

Green Power Institute Hanna & Morton

Hitachi

In House Energy

International Power Technology
Intestate Gas Services, Inc.
Lawrence Berkeley National Lab
Los Angeles Dept of Water & Power
Luce, Forward, Hamilton & Scripps LLP

MAC Lighting Consulting

MBMC, Inc.
MRW & Associates
Manatt Phelps Phillips
McKenzie & Associates
Merced Irrigation District
Modesto Irrigation District

Morgan Stanley
Morrison & Foerster
NLine Energy, Inc.
NRG West

Navigant Consulting Norris & Wong Associates

North America Power Partners North Coast SolarResources

Northern California Power Association

Occidental Energy Marketing, Inc.

OnGrid Solar Praxair

R. W. Beck & Associates

RCS, Inc.

Recurrent Energy SCD Energy Solutions

SCE SMUD SPURR

San Francisco Public Utilities Commission

Santa Fe Jets Seattle City Light Sempra Utilities

Sierra Pacific Power Company

Silicon Valley Power Silo Energy LLC

Southern California Edison Company

Spark Energy, L.P. Sun Light & Power Sunshine Design

Sutherland, Asbill & Brennan Tabors Caramanis & Associates

Tecogen, Inc.

Tiger Natural Gas, Inc.

TransCanada

Turlock Irrigation District

United Cogen

Utility Cost Management

Utility Specialists

Verizon

Wellhead Electric Company Western Manufactured Housing Communities Association (WMA)

eMeter Corporation

Confidential Appendix A Supplemental TREC Analysis

Confidentiality Protected Under D.06-0-06-066 App 1, Item VII "Renewable Resource Contracts Under RPS Program"

Cells in Purple Highlighting are Confidential and Protected Information Submitted Pursuant to Public Utilities Code Section 583

Project(s) Contribution to TREC Usage Cap¹

Shell Energy North America (US), L.P./Big Horn II Shell Energy North America (US), L.P./Combine Hills II Shell Energy North America (US), L.P./Wheat Field
Facility/facilities entered commercial operation on or after January 1, 2005

All facilities under contract with PG&E as REC only transactions	2010	2011	2012	2013
RPS Goal/APT (GWh)	15,361	Redacted	- matatamining start married and strain and an arrangement of the start of the star	Management and Administration of the Conference
TREC usage cap (GWh)	3,840			
TREC deliveries from Project (GWh)	512			
TREC deliveries from Project (as a percentage of TREC cap)	13.3%			
TREC deliveries from other facilities under contract (GWh) ²	2,206			
TREC deliveries from other facilities under contract (as a percentage of TREC cap) ²	57.5%			
Total TREC deliveries including Project (GWh) ²	2,719			
Total TREC deliveries including Project (as a percentage of TREC cap) ²	70.8%			
TREC headroom (exceeds cap) (GWh) ³	1,122	-		

TREC online facilities 4	2010	2011 2012 2013
TREC deliveries from online facilities (GWh) ²	2,060	Redacted
Total TREC deliveries from online facilities (as a percentage of TREC cap) ²	53.7%	

TREC not online facilities 5	2010	2011 2012 2013
TREC deliveries from not online facilities (GWh)	658	Redacted
Total TREC deliveries from not online facilities (as a percentage of TREC cap)	17.1%	

1	Redacted
2	
J	
q	
3	
a	
t	
1	
4	
d	
5	
d	

Project(s) Green Attribute Price Comparison

	Shell Energy North America (US), L.P./Big Horn II Shell Energy North America (US), L.P./Combine Hills II Shell Energy North America (US), L.P./Wheat Field
Project's facility status	Facility/facilities entered commercial operation on or after January 1, 2005

Comparison of Project vs facilities online a	a of contract execution 1
Project Name/Facility Name	Green Attribute Price (\$/MWh)
Klondike Wind Power IIIA, LLC and Bonneville Power	Redacted
Administration	
Powerex Corp.	
Shell Energy North America (US), L.P./White Creek	
(2010 portion)	
Shell Energy North America (US), L.P./Big Horn	
Shell Energy North America (US), L.P./Big Horn II	
Shell Energy North America (US), L.P./Harvest Wind II	
Shell Energy North America (US), L.P./ White Creek	
(2011 portion)	
Shell Energy North America (US), L.P./Harvest Wind I	
Shell Energy North America (US), L.P./Wheat Field	
Shell Energy North America (US), L.P./White Creek III	
Pacificorp (2010 portion)	
Shell Energy North America (US), L.P./Combine	
Hills II	
Barclays Bank PLC/Hay Canyon Wind	
Barclays Bank PLC/Nine Canyon Wind	
Puget Sound Energy, Inc.	
Pacificorp (2011 portion)	-
Shell Energy North America (US), L.P./White Creek II	
Pacificorp (2012 portion)]
Sierra Pacific Industries]

Project Name/Facility Name	Green Attribute Price (\$/MWh)
	Redacted
Klondike III Wind Power, LLC	
TransAlta Corporation	
Solar Partners XII, LLC/ BrightSource III	
Solar Partners XIV, LLC/BrightSource IV	
Shell Energy North America (US),	
L.P./Big Horn II	
•	
Blackspring Ridge IA Wind Project LP	_
Blackspring Ridge IB Wind Project LP	
Hakirk I Wind Project LP	
Shell Energy North America (US),	7
L.P./Wheat Field	
Shell Energy North America (US),	7
L.P./Combine Hills II	
Vantage Wind Energy LLC	

Redacted Redacted		
2 3 re	1	Redacted
3 re a	2	
re a	3	
	re	
	а	
ĭ	0	
4	4	

A-2

Values reduced by deliveries from Jan, Feb, and 11/31 of March CELLS IN PURPLE HIGHLIGHTING ARE CONFIDENTIAL AND PROTECTED INFORMAT

				CELES IN FORFEE MIGH		s (MWh)			
Project Name/Facility Name	Facility(s) Online/Not Online (at time of execution of contract)	Status	Execution Date	Facility COD	2010	2011	2012	2013	Greer Attribu Price (\$/MW
Arlington Wind Power Project					2.00				Redacted
LLC	Not Online	CPUC Approved	5/28/2008	12/26/2008	193,778	239,999	240,657	239,999	
El Dorado Solar (Sempra)	Not Online	CPUC Approved	12/19/2008	1/1/2009	18,175	22,854	22,671	22,490	1
Barclays Bank PLC/Hay						·		,	1
Canyon Wind	Online	Filed pending Approval	1/15/2010	2/13/2009	250,000	250,000	0	0	
Barclays Bank PLC/Nine Canyon Wind	Online	Filed pending Approval	2/16/2010	5/1/2008	36,625	30,750	0	0	
Blackspring Ridge IA Wind Project LP	Not Online	CPUC Approved	2/19/2010	Redacted	0	0	0	445,000	
Blackspring Ridge IB Wind Project LP	Not Online	CPUC Approved	2/19/2010		0	0	0	445,000	
Halkirk I Wind Project LP	Not Online	CPUC Approved	2/19/2010		0	0	362,462	484,000	
Klondike III Wind Power, LLC	Not Online	CPUC Approved	6/26/2007	11/1/2007	222,544	264,864	265,368	264,864	
Klondike Wind Power IIIA, LLC and Bonneville Power Administration	Online	CPUC Approved	8/11/2008	Existing facility and expansion project were operational at time of contract execution.	193,803	265,000	265,726	265,000	
Pacificorp (2010 portion)	Online	CPUC Approved	9/15/2009	8 facilities, all online as of contract execution	484,779			0	
Pacificorp (2011 portion)	Online	CPUC Approved	9/15/2009	8 facilities, all online as of contract execution		655,000		0	
Pacificorp (2012 portion)	Online	CPUC Approved	9/15/2009	8 facilities, all online as of contract execution			657,000	0	
Powerex Corp.	Online	Filed pending Approval	12/18/2009	Multiple facilities with online/not-online status unknown for each facility as of contract execution.	0	330,000	330,000	330,000	
Puget Sound Energy, Inc.	Online	CPUC Approved	4/10/2009	2 facilities, both online as of execution.	0	1.000.000	0	0	

		1						<u> </u>	Redacted
				multiple facilities, all online					Reducted
Sierra Pacific Industries	Online	Filed pending Approval	9/23/2009	as of contract execution	100,000	100,000	100,000	100,000	
Solar Partners XII, LLC/				Redacted		·			1
BrightSource III	Not Online	CPUC Approved	3/25/2008		0	0	0	0	
Solar Partners XIV,									1
LLC/BrightSource IV	Not Online	CPUC Approved	3/25/2008		0	0	0	0	
TransAlta Corporation	Not Online	Filed pending Approval	9/15/2009	3/31/2010	195,000	195,000	195,000	195,000	
Vantage Wind Energy LLC	Not Online	CPUC Approved	8/17/2009	10/4/2010	28,716	277,000	277,000	277,000	1

1	edacted	
e		

Facility Status (for menu items only)

Redacted

Facility/facilities entered commercial operation before January 1, 2005
Facility/facilities entered commercial operation on or after January 1, 2005
Facility/facilities not in commercial operation at the time the contract was signed

Appendices B1, B2, B3 Amendments of Power Purchase Agreements

FIRST AMENDMENT OF THE CONFIRMATION AGREEMENT Transaction Big Horn #2 from Big Horn I Wind Power Project

This FIRST AMENDMENT OF THE CONFIRMATION AGREEMENT for Bundled Green Energy – Energy and Green Attributes Big Horn #2 (this "First Confirmation Amendment") to the Amended and Restated Master Power Purchase and Sale Agreement is made as of the Effective Date (defined below), by and between Pacific Gas and Electric Company ("Buyer") and Shell Energy North America (US), L.P. ("Seller"). Seller and Buyer are each considered a "Party", and collectively, the "Parties."

RECITALS

WHEREAS, the Parties entered into a Master Power Purchase and Sale Agreement on February 28, 2003, as first amended on September 14, 2004 (hereinafter the "First Amendment"), and again amended on March 14, 2005 (hereinafter the "Second Amendment") (inclusively, the "EEI Master Agreement"); and

WHEREAS, the Parties entered into a Confirmation Agreement for Bundled Green Energy – Energy and Green Attributes, transaction Big Horn #2 from the Big Horn I Wind Power Project under the EEI Master Agreement on December 22, 2009, as amended by those certain side letters dated October 4, 2010 and December 23, 2010 (the "Confirmation Agreement"); and

WHEREAS, pursuant to the Preamble to the Confirmation Agreement the Parties agree that the September 14, 2004 First Amendment does not apply to the Confirmation Agreement; and

WHEREAS, the Parties wish to enter into a first amendment to the Confirmation Agreement as set forth below, in order to comply with California Public Utilities Commission Decision 11-01-025 regarding the use of renewable energy credits, as issued January 14, 2011; and

WHEREAS, capitalized terms used in this First Confirmation Amendment but not defined herein are as defined in the EEI Master Agreement and Confirmation Agreement,

NOW, THEREFORE, in consideration of the mutual covenants and agreements set forth in this First Confirmation Amendment, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

AGREEMENT

The Confirmation Agreement is hereby amended as set forth herein, and shall be effective as of the last dated signature on the signature page hereto ("Effective Date").

A. <u>Amendment to Glossary of Definitions</u>. The definition of "CPUC Approval" found in the Glossary of Definitions shall be deleted and replaced in its entirety with the following:

"CPUC Approval" means a final and non-appealable order of the CPUC, without conditions or modifications unacceptable to the Parties, or either of them, which contains the following terms:

(a) approves this Agreement in its entirety, including payments to be made by the Buyer, subject to CPUC review of the Buyer's administration of the Agreement; and

(b) finds that any procurement pursuant to this Agreement is procurement of Renewable Energy Credits that conform to the definition and attributes required for compliance with the California Renewables Portfolio Standard, as set forth in California Public Utilities Commission Decision 08-08-028, and as may be modified by subsequent decision of the California Public Utilities Commission or by subsequent legislation, for purposes of determining Buyer's compliance with any obligation that it may have to procure eligible renewable energy resources pursuant to the California Renewables Portfolio Standard (Public Utilities Code Section 399.11 et seq.), Decision 03-06-071, or other applicable law.

CPUC Approval will be deemed to have occurred on the date that a CPUC decision containing such findings becomes final and non-appealable."

- B. <u>Amendment to Special Provision 5. Tracking of RECs in WREGIS</u>: Special Provision 5 shall be deleted and replaced in its entirety with the following:
 - "5. <u>Tracking of RECs in WREGIS</u>. Seller warrants that all necessary steps to allow the Renewable Energy Credits transferred to Buyer to be tracked in the Western Renewable Energy Generation Information System will be taken prior to the first delivery under the contract."
- C. <u>Amendment to Special Provision 10. Eligibility</u>: Special Provision 10(b) shall be deleted and replaced in its entirety with the following:
 - "(b) Seller and, if applicable, its successors, represents and warrants that throughout the Delivery Term of this Agreement the Renewable Energy Credits transferred to Buyer conform to the definition and attributes required for compliance with the California Renewables Portfolio Standard, as set forth in California Public Utilities Commission Decision 08-08-028, and as may be modified by subsequent decision of the California Public Utilities Commission or by subsequent legislation. To the extent a change in law occurs after execution of this Agreement that causes this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such change in law."
- D. <u>Addition of Special Provision 21</u>. The following new special provision shall be added as set forth below:
 - "21. As used in Special Provision 5 above, the word "contract" means the Confirmation Agreement."

E. Miscellaneous.

- 1. <u>Effect of Amendment</u>. The Confirmation Agreement, as modified by this First Confirmation Amendment, remains in effect in accordance with its terms. If there is any conflict between the EEI Master Agreement, the Confirmation Agreement and this First Confirmation Amendment, this First Confirmation Amendment shall control.
- 2. <u>Entire Agreement</u>. This First Confirmation Amendment along with the Confirmation Agreement and the EEI Master Agreement constitutes the entire agreement between the Parties relating to the subject matter thereof and shall supersede all other prior and contemporaneous understandings or agreements, both written and oral, between the Parties relating to the subject matter thereof.

- 3. <u>Captions; Construction</u>. The headings used for the sections and articles herein are for convenience and reference purposes only and shall in no way affect the meaning or interpretation of the provisions of Confirmation Agreement or the EEI Master Agreement. Any term and provision of this First Confirmation Amendment shall be construed simply according to its fair meaning and not strictly for or against any Party. The Parties collectively have prepared this First Confirmation Amendment, and none of the provisions hereof shall be construed against one Party on the ground that such Party is the author of this First Confirmation Amendment or any part hereof.
- 4. <u>Counterparts</u>. This First Confirmation Amendment may be executed in one or more counterparts each of which shall be deemed an original and all of which shall be deemed one and the same amendment. Delivery of an executed counterpart of this First Confirmation Amendment by facsimile will be deemed as effective as delivery of an originally executed counterpart. Any Party delivering an executed counterpart of this First Confirmation Amendment by facsimile will also deliver an originally executed counterpart, but the failure of any Party to deliver an originally executed counterpart of this First Confirmation Amendment will not affect the validity or effectiveness of this First Confirmation Amendment.
- 5. <u>Any Amendments or Modifications</u>. This First Confirmation Amendment may only be amended or modified in writing signed by each of the Parties.

IN WITNESS WHEREOF, the Parties have caused this First Confirmation Amendment to the Confirmation Agreement to be duly executed by its authorized representatives, as of the day and year written below. This First Confirmation Amendment shall not become effective as to either Party unless and until executed by both Parties.

SHELL ENERGY NORTH AMERIC L.P.	A (US), PACIFIC GAS AND ELECTRIC COMPANY, a California corporation
Signature:	Signature: Zha
Name:	Name: Fong Wan
Title:	Title: Senior VP Energy Procurement
Date:	Date: 1/27/11

- 3. <u>Captions: Construction</u>. The headings used for the sections and articles herein are for convenience and reference purposes only and shall in no way affect the meaning or interpretation of the provisions of Confirmation Agreement or the EEI Master Agreement. Any term and provision of this First Confirmation Amendment shall be construed simply according to its fair meaning and not strictly for or against any Party. The Parties collectively have prepared this First Confirmation Amendment, and none of the provisions hereof shall be construed against one Party on the ground that such Party is the author of this First Confirmation Amendment or any part hereof.
- 4. <u>Counterparts</u>. This First Confirmation Amendment may be executed in one or more counterparts each of which shall be deemed an original and all of which shall be deemed one and the same amendment. Delivery of an executed counterpart of this First Confirmation Amendment by facsimile will be deemed as effective as delivery of an originally executed counterpart. Any Party delivering an executed counterpart of this First Confirmation Amendment by facsimile will also deliver an originally executed counterpart, but the failure of any Party to deliver an originally executed counterpart of this First Confirmation Amendment will not affect the validity or effectiveness of this First Confirmation Amendment.
- 5. Any Amendments or Modifications. This First Confirmation Amendment may only be amended or modified in writing signed by each of the Parties.

IN WITNESS WHEREOF, the Parties have caused this First Confirmation Amendment to the Confirmation Agreement to be duly executed by its authorized representatives, as of the day and year written below. This First Confirmation Amendment shall not become effective as to either Party unless and until executed by both Parties.

SHELL ENERGY NORTH AMERICA (US), L.P.	PACIFIC GAS AND ELECTRIC COMPANY California corporation	Y, a
Signature: Mixed Firm	Signature:	lokuumaaree
Name: Edward Brown	Name:	
Title: Vice President	Title:	
Date: 0/ /28/20//	Date:	

FIRST AMENDMENT OF THE CONFIRMATION AGREEMENT Combine Hills II Wind Power Project

This FIRST AMENDMENT OF THE CONFIRMATION AGREEMENT for Bundled Green Energy—Energy and Green Attributes Combine Hills II (this "First Confirmation Amendment") to the Amended and Restated Master Power Purchase and Sale Agreement is made as of the Effective Date (defined below), by and between Pacific Gas and Electric Company ("Buyer") and Shell Energy North America (US), L.P. ("Seller"). Seller and Buyer are each considered a "Party", and collectively, the "Parties."

RECITALS

WHEREAS, the Parties entered into a Master Power Purchase and Sale Agreement on February 28, 2003, as first amended on September 14, 2004 (hereinafter the "First Amendment"), and again amended on March 14, 2005 (hereinafter the "Second Amendment") (inclusively, the "EEI Master Agreement"); and

WHEREAS, the Parties entered into a Confirmation Agreement for Bundled Green Energy – Energy and Green Attributes from the Combine Hills II Wind Power Project under the EEI Master Agreement on December 22, 2009, as amended by those certain side letters dated October 4, 2010 and December 23, 2010 (the "Confirmation Agreement"); and

WHEREAS, pursuant to the Preamble to the Confirmation Agreement the Parties agree that the September 14, 2004 First Amendment does not apply to the Confirmation Agreement; and

WHEREAS, the Parties wish to enter into a first amendment to the Confirmation Agreement as set forth below, in order to comply with California Public Utilities Commission Decision 11-01-025 regarding the use of renewable energy credits, as issued January 14, 2011; and

WHEREAS, capitalized terms used in this First Confirmation Amendment but not defined herein are as defined in the EEI Master Agreement and Confirmation Agreement.

NOW, THEREFORE, in consideration of the mutual covenants and agreements set forth in this First Confirmation Amendment, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

AGREEMENT

The Confirmation Agreement is hereby amended as set forth herein, and shall be effective as of the last dated signature on the signature page hereto ("Effective Date").

- A. <u>Amendment to Glossary of Definitions</u>. The definition of "CPUC Approval" found in the Glossary of Definitions shall be deleted and replaced in its entirety with the following:
 - "CPUC Approval" means a final and non-appealable order of the CPUC, without conditions or modifications unacceptable to the Parties, or either of them, which contains the following terms:
 - (a) approves this Agreement in its entirety, including payments to be made by the Buyer, subject to CPUC review of the Buyer's administration of the Agreement; and

- (b) finds that any procurement pursuant to this Agreement is procurement of Renewable Energy Credits that conform to the definition and attributes required for compliance with the California Renewables Portfolio Standard, as set forth in California Public Utilities Commission Decision 08-08-028, and as may be modified by subsequent decision of the California Public Utilities Commission or by subsequent legislation, for purposes of determining Buyer's compliance with any obligation that it may have to procure eligible renewable energy resources pursuant to the California Renewables Portfolio Standard (Public Utilities Code Section 399.11 et seq.), Decision 03-06-071, or other applicable law.
- CPUC Approval will be deemed to have occurred on the date that a CPUC decision containing such findings becomes final and non-appealable."
- B. <u>Amendment to Special Provision 5. Tracking of RECs in WREGIS</u>: Special Provision 5 shall be deleted and replaced in its entirety with the following:
 - "5. <u>Tracking of RECs in WREGIS</u>. Seller warrants that all necessary steps to allow the Renewable Energy Credits transferred to Buyer to be tracked in the Western Renewable Energy Generation Information System will be taken prior to the first delivery under the contract."
- C. <u>Amendment to Special Provision 10. Eligibility</u>: Special Provision 10(b) shall be deleted and replaced in its entirety with the following:
 - "(b) Seller and, if applicable, its successors, represents and warrants that throughout the Delivery Term of this Agreement the Renewable Energy Credits transferred to Buyer conform to the definition and attributes required for compliance with the California Renewables Portfolio Standard, as set forth in California Public Utilities Commission Decision 08-08-028, and as may be modified by subsequent decision of the California Public Utilities Commission or by subsequent legislation. To the extent a change in law occurs after execution of this Agreement that causes this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such change in law."
- D. <u>Addition of Special Provision 21</u>. The following new special provision shall be added as set forth below:
 - "21. As used in Special Provision 5 above, the word "contract" means the Confirmation Agreement."

E. Miscellaneous.

- 1. <u>Effect of Amendment</u>. The Confirmation Agreement, as modified by this First Confirmation Amendment, remains in effect in accordance with its terms. If there is any conflict between the EEI Master Agreement, the Confirmation Agreement and this First Confirmation Amendment, this First Confirmation Amendment shall control.
- 2. <u>Entire Agreement</u>. This First Confirmation Amendment along with the Confirmation Agreement and the EEI Master Agreement constitutes the entire agreement between the Parties relating to the subject matter thereof and shall supersede all other prior and contemporaneous understandings or agreements, both written and oral, between the Parties relating to the subject matter thereof.

- 3. Captions; Construction. The headings used for the sections and articles herein are for convenience and reference purposes only and shall in no way affect the meaning or interpretation of the provisions of Confirmation Agreement or the EEI Master Agreement. Any term and provision of this First Confirmation Amendment shall be construed simply according to its fair meaning and not strictly for or against any Party. The Parties collectively have prepared this First Confirmation Amendment, and none of the provisions hereof shall be construed against one Party on the ground that such Party is the author of this First Confirmation Amendment or any part hereof.
- 4. Counterparts. This First Confirmation Amendment may be executed in one or more counterparts each of which shall be deemed an original and all of which shall be deemed one and the same amendment. Delivery of an executed counterpart of this First Confirmation Amendment by facsimile will be deemed as effective as delivery of an originally executed counterpart. Any Party delivering an executed counterpart of this First Confirmation Amendment by facsimile will also deliver an originally executed counterpart, but the failure of any Party to deliver an originally executed counterpart of this First Confirmation Amendment will not affect the validity or effectiveness of this First Confirmation Amendment.
- Any Amendments or Modifications. This First Confirmation Amendment may 5. only be amended or modified in writing signed by each of the Parties.

IN WITNESS WHEREOF, the Parties have caused this First Confirmation Amendment to the Confirmation Agreement to be duly executed by its authorized representatives, as of the day and year written below. This First Confirmation Amendment shall not become effective as to either Party unless and until executed by both Parties.

SHELL ENERGY NORTH AMERICA (US L.P.), PACIFIC GAS AND ELECTRIC COMPANY, a California corporation
	7 20
Signature:	Signature: \(\sqrt{h}\a \)
Name:	Name: Fong Wan
Title:	Title: Senior VP Energy Procurement
Date:	Date: 1/2-7/11

- 3. Captions: Construction. The headings used for the sections and articles herein are for convenience and reference purposes only and shall in no way affect the meaning or interpretation of the provisions of Confirmation Agreement or the EEI Master Agreement. Any term and provision of this First Confirmation Amendment shall be construed simply according to its fair meaning and not strictly for or against any Party. The Parties collectively have prepared this First Confirmation Amendment, and none of the provisions hereof shall be construed against one Party on the ground that such Party is the author of this First Confirmation Amendment or any part hereof.
- Counterparts. This First Confirmation Amendment may be executed in one or more counterparts each of which shall be deemed an original and all of which shall be deemed one and the same amendment. Delivery of an executed counterpart of this First Confirmation Amendment by facsimile will be deemed as offective as delivery of an originally executed counterpart. Any Party delivering an executed counterpart of this First Confirmation Amendment by facsimile will also deliver an originally executed counterpart, but the failure of any Party to deliver an originally executed counterpart of this First Confirmation Amendment will not affect the validity or effectiveness of this First Confirmation Amendment.
- Any Amendments or Modifications. This First Confirmation Amendment may only be amended or modified in writing signed by each of the Parties.

IN WITNESS WHEREOF, the Parties have caused this First Confirmation Amendment to the Confirmation Agreement to be duly executed by its authorized representatives, as of the day and year written below. This First Confirmation Amendment shall not become effective as to either Party unless and until executed by both Parties.

SHELL ENERGY NORTH AMERICA (US), L.P.	PACIFIC GAS AND ELECTRIC COMPANY, a California corporation
Signature: Livre Com	Signature:
Name: Edward Brown	Name:
Title: Vice President	Title:
Date: 01/28/2011	Date:

FIRST AMENDMENT OF THE CONFIRMATION AGREEMENT Wheat Field Wind Farm

This FIRST AMENDMENT OF THE CONFIRMATION AGREEMENT for Bundled Green Energy – Energy and Green Attributes Wheat Field (this "First Confirmation Amendment") to the Amended and Restated Master Power Purchase and Sale Agreement is made as of the Effective Date (defined below), by and between Pacific Gas and Electric Company ("Buyer") and Shell Energy North America (US), L.P. ("Seller"). Seller and Buyer are each considered a "Party", and collectively, the "Parties."

RECITALS

WHEREAS, the Parties entered into a Master Power Purchase and Sale Agreement on February 28, 2003, as first amended on September 14, 2004 (hereinafter the "First Amendment"), and again amended on March 14, 2005 (hereinafter the "Second Amendment") (inclusively, the "EEI Master Agreement"); and

WHEREAS, the Parties entered into a Confirmation Agreement for Bundled Green Energy – Energy and Green Attributes from the Wheat Field Wind Farm under the EEI Master Agreement on December 22, 2009, as amended by those certain side letters dated October 4, 2010 and December 23, 2010 (the "Confirmation Agreement"); and

WHEREAS, pursuant to the Preamble to the Confirmation Agreement the Parties agree that the September 14, 2004 First Amendment does not apply to the Confirmation Agreement; and

WHEREAS, the Parties wish to enter into a first amendment to the Confirmation Agreement as set forth below, in order to comply with California Public Utilities Commission Decision 11-01-025 regarding the use of renewable energy credits, as issued January 14, 2011; and

WHEREAS, capitalized terms used in this First Confirmation Amendment but not defined herein are as defined in the EEI Master Agreement and Confirmation Agreement,

NOW, THEREFORE, in consideration of the mutual covenants and agreements set forth in this First Confirmation Amendment, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

AGREEMENT

The Confirmation Agreement is hereby amended as set forth herein, and shall be effective as of the last dated signature on the signature page hereto ("Effective Date").

- A. <u>Amendment to Glossary of Definitions</u>. The definition of "CPUC Approval" found in the Glossary of Definitions shall be deleted and replaced in its entirety with the following:
 - "CPUC Approval" means a final and non-appealable order of the CPUC, without conditions or modifications unacceptable to the Parties, or either of them, which contains the following terms:
 - (a) approves this Agreement in its entirety, including payments to be made by the Buyer, subject to CPUC review of the Buyer's administration of the Agreement; and

(b) finds that any procurement pursuant to this Agreement is procurement of Renewable Energy Credits that conform to the definition and attributes required for compliance with the California Renewables Portfolio Standard, as set forth in California Public Utilities Commission Decision 08-08-028, and as may be modified by subsequent decision of the California Public Utilities Commission or by subsequent legislation, for purposes of determining Buyer's compliance with any obligation that it may have to procure eligible renewable energy resources pursuant to the California Renewables Portfolio Standard (Public Utilities Code Section 399.11 et seq.), Decision 03-06-071, or other applicable law.

CPUC Approval will be deemed to have occurred on the date that a CPUC decision containing such findings becomes final and non-appealable."

- B.. <u>Amendment to Special Provision 5. Tracking of RECs in WREGIS</u>: Special Provision 5 shall be deleted and replaced in its entirety with the following:
 - "5. <u>Tracking of RECs in WREGIS</u>. Seller warrants that all necessary steps to allow the Renewable Energy Credits transferred to Buyer to be tracked in the Western Renewable Energy Generation Information System will be taken prior to the first delivery under the contract."
- C. <u>Amendment to Special Provision 10. Eligibility</u>: Special Provision 10(b) shall be deleted and replaced in its entirety with the following:
 - "(b) Seller and, if applicable, its successors, represents and warrants that throughout the Delivery Term of this Agreement the Renewable Energy Credits transferred to Buyer conform to the definition and attributes required for compliance with the California Renewables Portfolio Standard, as set forth in California Public Utilities Commission Decision 08-08-028, and as may be modified by subsequent decision of the California Public Utilities Commission or by subsequent legislation. To the extent a change in law occurs after execution of this Agreement that causes this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such change in law."
- D. <u>Addition of Special Provision 21</u>. The following new special provision shall be added as set forth below:
 - "21. As used in Special Provision 5 above, the word "contract" means the Confirmation Agreement."

E. Miscellaneous.

- 1. <u>Effect of Amendment</u>. The Confirmation Agreement, as modified by this First Confirmation Amendment, remains in effect in accordance with its terms. If there is any conflict between the EEI Master Agreement, the Confirmation Agreement and this First Confirmation Amendment, this First Confirmation Amendment shall control.
- 2. <u>Entire Agreement</u>. This First Confirmation Amendment along with the Confirmation Agreement and the EEI Master Agreement constitutes the entire agreement between the Parties relating to the subject matter thereof and shall supersede all other prior and contemporaneous understandings or agreements, both written and oral, between the Parties relating to the subject matter thereof.

- 3. <u>Captions; Construction</u>. The headings used for the sections and articles herein are for convenience and reference purposes only and shall in no way affect the meaning or interpretation of the provisions of Confirmation Agreement or the EEI Master Agreement. Any term and provision of this First Confirmation Amendment shall be construed simply according to its fair meaning and not strictly for or against any Party. The Parties collectively have prepared this First Confirmation Amendment, and none of the provisions hereof shall be construed against one Party on the ground that such Party is the author of this First Confirmation Amendment or any part hereof.
- 4. <u>Counterparts.</u> This First Confirmation Amendment may be executed in one or more counterparts each of which shall be deemed an original and all of which shall be deemed one and the same amendment. Delivery of an executed counterpart of this First Confirmation Amendment by facsimile will be deemed as effective as delivery of an originally executed counterpart. Any Party delivering an executed counterpart of this First Confirmation Amendment by facsimile will also deliver an originally executed counterpart, but the failure of any Party to deliver an originally executed counterpart of this First Confirmation Amendment will not affect the validity or effectiveness of this First Confirmation Amendment.
- 5. <u>Any Amendments or Modifications</u>. This First Confirmation Amendment may only be amended or modified in writing signed by each of the Parties.

IN WITNESS WHEREOF, the Parties have caused this First Confirmation Amendment to the Confirmation Agreement to be duly executed by its authorized representatives, as of the day and year written below. This First Confirmation Amendment shall not become effective as to either Party unless and until executed by both Parties.

SHELL ENERGY NORTH AMERICA (US),

L.P.	California corporation
Signature:	Signature:
Name:	Name: Fong Wan
Title:	Title: Senior VP Energy Procurement
Date:	Date: 1/2-7/11

PACIFIC GAS AND ELECTRIC COMPANY, a

- 3. Captions: Construction. The headings used for the sections and articles herein are for convenience and reference purposes only and shall in no way affect the meaning or interpretation of the provisions of Confirmation Agreement or the EEI Master Agreement. Any term and provision of this First Confirmation Amendment shall be construed simply according to its fair meaning and not strictly for or against any Party. The Parties collectively have prepared this First Confirmation Amendment, and none of the provisions hereof shall be construed against one Party on the ground that such Party is the author of this First Confirmation Amendment or any part hereof.
- Counterparts. This First Confirmation Amendment may be executed in one or more counterparts each of which shall be deemed an original and all of which shall be deemed one and the same amendment. Delivery of an executed counterpart of this First Confirmation Amendment by facsimile will be deemed as effective as delivery of an originally executed counterpart. Any Party delivering an executed counterpart of this First Confirmation Amendment by facsimile will also deliver an originally executed counterpart, but the failure of any Party to deliver an originally executed counterpart of this First Confirmation Amendment will not affect the validity or effectiveness of this First Confirmation Amendment.
- 5. Any Amendments or Modifications. This First Confirmation Amendment may only be amended or modified in writing signed by each of the Parties.

IN WITNESS WHEREOF, the Parties have caused this First Confirmation Amendment to the Confirmation Agreement to be duly executed by its authorized representatives, as of the day and year written below. This First Confirmation Amendment shall not become effective as to either Party unless and until executed by both Parties.

SHELL ENERGY NORTH AMERICA (US), L.P.		PACIFIC GAS AND ELECTRIC COMPANY, a California corporation	
Signature:	Edward Frown	Signature:	
Name:	Edward Brown	Name:	***************************************
Title:	Vice President	Title:	
Date:	01/28/2011	Date:	