

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

Tel. No. (415) 703-1691



September 15, 2004

Advice Letter 2540-E

Rose de la Torre
Pacific Gas & Electric
77 Beale Street, Room 1088
Mail Code B10C
San Francisco, CA 94105

Subject: Modification of Rule 21, Generating Facility Interconnections

Dear Ms Smith:

Advice Letter 2540-E is effective September 15, 2004. A copy of the advice letter is returned herewith for your records.

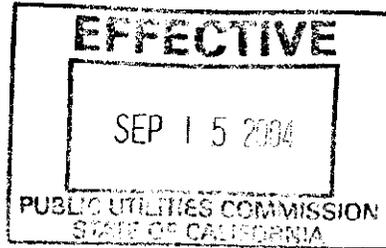
Sincerely,

A handwritten signature in cursive script that reads "Paul Clanon".

Paul Clanon, Director
Energy Division



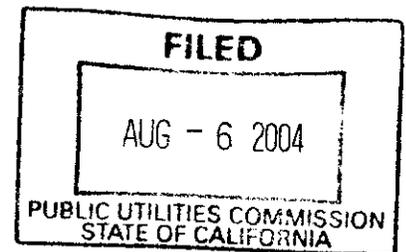
**Pacific Gas and
Electric Company**



77 Beale Street
P.O. Box 770000
San Francisco, CA 94177
415.973.7000

ADVICE LETTER SUMMARY SHEET

ELECTRIC ADVICE LETTER 2540-E



DATE FILED: (TO BE ENTERED BY CPUC)

DESCRIPTION OF TARIFF CHANGES REQUESTED:

Modification of *Electric Rule 21-Generating Facility Interconnections To Waive Certain Fees and Costs for Electric Rate Schedule E-BIO-Net Energy Metering Service For Biogas Customer-Generators, Rate Schedule NEMFC-Net Energy Metering For Fuel Cell Customer-Generators, and for Wind Energy Co-Metering Customer-Generators Served Under Rate Schedule E-NET-Net Energy Metering Service*

REQUESTED EFFECTIVE DATE:

September 15, 2004



Brian K. Cherry
Director
Regulatory Relations

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San Francisco, CA 94105
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August 6, 2004

**Advice 2540-E
(Pacific Gas and Electric Company ID U 39 E)**

Public Utilities Commission of the State of California

Subject: Modification of Electric Rule 21-Generating Facility Interconnections To Waive Certain Fees and Costs for Electric Rate Schedule E-BIO-Net Energy Metering Service For Biogas Customer-Generators, Rate Schedule NEMFC-Net Energy Metering For Fuel Cell Customer-Generators, and for Wind Energy Co-Metering Customer-Generators Served Under Rate Schedule E-NET-Net Energy Metering Service.

Pacific Gas and Electric Company (PG&E) hereby submits for filing revisions to its electric tariffs. The affected tariff sheets are listed on the enclosed Attachment I.

Purpose

The purpose of this filing is to seek California Public Utilities Commission (CPUC) approval to modify *Electric Rule 21-Generating Facility Interconnections* (Rule 21) to exempt net metered (i) wind co-metering customer-generators, (ii) biogas digester customer-generators and (iii) fuel cell customer-generators –served, respectively, under tariffs pursuant to California Pacific Utilities Code sections 2827.8, 2827.9 and 2827.10 – from the requirement to pay for Rule 21 required application fees, study fees and distribution system upgrade costs associated with their interconnections. These customers qualify for PG&E's CPUC approved *Electric Rate Schedule E-NET-Net Energy Metering Service* (E-NET), *Rate Schedule E-BIO-Net Energy Metering Service For Biogas Customer-Generators* (E-BIO) and *Rate Schedule NEMFC-Net Energy Metering For Fuel Cell Customer-Generators* (NEMFC), respectively. In addition, PG&E requests CPUC approval to provide refunds to the biogas digester customer-generators served under E-BIO who have already paid these fees since the effective date of the E-BIO tariff, and any other E-BIO, NEMFC or wind co-metering customers that pay these fees while the CPUC reviews this filing.

Background

Currently only solar and some wind customer-generators served under E-NET pursuant to Public Utilities Code section 2827 are exempt from payment of Rule 21 application fees, study fees and distribution system upgrade costs associated with their interconnections. Members of the California Energy Commission's Rule 21 Working Group, including PG&E, are currently working on statewide modifications to Rule 21 that would include the changes sought here, along with other improvements to Rule 21. These revisions regarding fee payment will make treatment of net metered customers served pursuant to Public Utilities Code sections 2827.8, 2827.9 and 2827.10 consistent with that of net metered customers served pursuant to Public Utilities Code section 2827. PG&E has supported making these revisions as part of the Rule 21 Working Group tariff revision process. However, in order to accommodate customer-generators that are currently in the Rule 21 interconnection process and who have requested that the fee waiver in Rule 21 be implemented as soon as possible, PG&E believes the best course at this point is to seek CPUC approval for implementing this change now, separately from the other upcoming revisions. PG&E thus makes this stand-alone filing in the hopes of accelerating the review and approval of these changes and thus affording faster relief to affected customer-generators currently in the interconnection process.

Rate Schedule and Electric Rule Changes

PG&E proposes the following revisions:

- Change the table on Initial Review Fee and Supplemental Review Fee responsibility in Rule 21 section C.1.c so that the description of net energy metering customers not required to pay the fees is expanded to provide, "Net Energy Metering (per Public Utilities Code Section 2827, **2827.8, 2827.9, or 2827.10**)." (new language in bold)
- Modify the language in Rule 21 C.1.d and Rule 21 E.2.a regarding study and review costs to provide, "Generating Facilities eligible for Net Energy Metering under California Public Utilities Code Section 2827, **2827.8, 2827.9, or 2827.10**." (new language in bold)
- Modify the language in Rule 21 E.2.b regarding facility costs to state, "Generating Facilities eligible for Net Energy Metering under California Public Utilities Code 2827, **2827.8, 2827.9, or 2827.10** are exempt from any costs associated with Distribution System improvements or modifications." (new language in bold)

In addition, PG&E proposes to refund certain Rule 21 fees and study costs already paid by E-BIO, NEMFC, and Wind Co-Metering customer-generators,

starting from the effective date of their applicable net metering tariff, upon CPUC approval of this Advice Letter.

Protest

Anyone wishing to protest this filing should do so by sending a letter via postal mail and facsimile by **August 26, 2004**, 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:

IMC Branch Chief
Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4002
San Francisco, California 94102
Facsimile: (415) 703-2200
E-mail: jjr@cpuc.ca.gov

Copies should also be mailed to the attention of the Director, Energy Division, Room 4005 and Jerry Royer, Energy Division, at the address shown above. It is also requested that a copy of the protest be sent via postal mail and facsimile to Pacific Gas and Electric Company on the same date it is mailed or delivered to the Commission at the address shown below.

Brian K. Cherry
Director, Regulatory Relations
Pacific Gas and Electric Company
P.O. Box 770000 Mail Code B10C
San Francisco, California 94177
Facsimile: (415) 973-7226
E-mail: RxDd@pge.com

The protest shall set forth the grounds upon which it is based and shall be submitted expeditiously. There is no restriction on who may file a protest.

Effective Date

In compliance with General Order 96-A, PG&E requests this filing be effective on **September 15, 2004**, which is forty days from the date of filing.

Notice

In accordance with General Order 96-A, Section III, Paragraph G, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the

attached list, and the service list parties for Rulemaking (R.) 04-03-017. Address changes should be directed to Rose De La Torre (415) 973-4716. Advice letter filings can also be accessed electronically at:

<http://www.pge.com/tariffs/>

Brian K. Cherry^{SR}
Director - Regulatory Relations

Attachments

cc: R. 04-03-017

CALIFORNIA PUBLIC UTILITIES COMMISSION

PROPOSAL/ADVICE LETTER SUMMARY

COMPANY NAME: PACIFIC GAS AND ELECTRIC COMPANY

TYPE OF UTILITY*:

LEC IEC CER CEC RTU
 WTA WTB WTC WTD SWR
 GAS STM ELC PLC

CPUC CORP. ID: U39E

CONTACT PERSON: srrd@pge.com

Name Shilpa Ramaiya

Phone Number (415) 973-3186

*EXPLANATION OF TYPE OF UTILITY:

LEC = Local Exchange Carrier WTC = Water class C
IEC = Interexchange Carrier WTD = Water class D
CER = Cellular Resellers Only SWR = Sewer
CEC = Cellular Carriers (wholesale/retail) GAS = Gas
RTU = Radio Telephone Utilities STM = Steam
WTA = Water class A ELC = Electric
WTB = Water class B PLC = Pipeline carrier

DATE FILED/RECEIVED

(stamp by CPUC)

Please fill in ALL information

Is this a PROPOSAL or ADVICE LETTER?



If Proposal previously submitted, its number: _____

Your filing Number: 2540-E

Documents Authorizing this filing? _____

(Decision Number, Resolution Number, Legislation, etc.)

Effective Date Requested: 09/15/2004 Estimated annual effect on: \$ -- \$ --

Number of Tariff Sheets: 5 (Revenue) (Cost)

Tariff Schedules affected (list): Electric Rule 21 – Generating Facility Interconnections

Subject of filing: *Modification of Electric Rule 21-Generating Facility Interconnections To Waive Certain Fees and Costs for Electric Rate Schedule E-BIO-Net Energy Metering Service For Biogas Customer-Generators, Rate Schedule NEMFC-Net Energy Metering For Fuel Cell Customer-Generators, and for Wind Energy Co-Metering Customer-Generators Served Under Rate Schedule E-NET-Net Energy Metering Service*

KEYWORDS identifying subject matter (choose from CPUC listing)

Billings _____

Refunds _____

FOR CPUC OFFICE USE ONLY

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
22091-E	Electric Rule 21 – Generating Facility Interconnections	19406-E
22092-E	Electric Rule 21 (Continued)	20847-E
22093-E	Electric Rule 21 (Continued)	19417-E
22094-E	Table of Contents – Rules (Continued)	21562-E
22095-E	Table of Contents – Rate Schedules	22087-E



RULE 21—GENERATING FACILITY INTERCONNECTIONS

(Continued)

C. APPLICATION AND INTERCONNECTION PROCESS

1. APPLICATION PROCESS

- a. Applicant Initiates Contact With PG&E. Upon request, PG&E will provide information and documents (such as sample agreements, Application, technical information, listing of Certified Equipment, Initial and Supplemental Review fee information, applicable rate schedules and Metering requirements) to a potential Applicant. Unless otherwise agreed upon, all such information shall normally be sent to an Applicant within three (3) business days following the initial request from the Applicant. PG&E will establish an individual representative as the single point of contact for the Applicant, but may allocate responsibilities among its staff to best coordinate the Interconnection of an Applicant's Generating Facility.
- b. Applicant Completes an Application. All Applicants shall be required to complete and file an Application and supply any relevant additional information requested by PG&E. The filing must include the completed Application and the Initial Review fee for processing the Application and performing the review to be completed by PG&E pursuant to Section C.1.c. The Initial and Supplemental Review fee shall vary with the type of service that will be provided to the Customer account to which the proposed Generating Facility will be interconnected as indicated in the following table:

Type of Service provided to Customer Account	Initial Review Fee	Supplemental Review Fee
Net Energy Metering (per Public Utilities Code Section 2827, 2827.8, 2827.9, or 2827.10)	None	None
Solar Generating facilities of 1 MW or less that do not sell power to the grid (per D.01-07-027)	None	None
All Others	\$800	\$600 (additional)

(T)

Notes: Allocation of cost between Applicant and PG&E to be determined by the Commission in Phase 2 of R.99-10-025. The total cost borne by the Applicant should be reduced by the cost allocated to PG&E's distribution function.

Fifty percent of the fees associated with the Initial Review will be returned to the Applicant if the application is rejected by PG&E or the Applicant retracts the Application. The Applicant may propose, and PG&E may negotiate specific costs for processing non-standard Generating Facilities, such as multi-Generators, multi-sites, or otherwise as conditions warrant. The costs for the Initial Review and the Supplemental Review contained in this Section, as well as the language provided in Sections C.1.c and C.1.d do not apply under these circumstances.

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS

(Continued)

C. APPLICATION AND INTERCONNECTION PROCESS (Cont'd.)

1. APPLICATION PROCESS (Cont'd.)

d. When Required, Applicant and PG&E Commit to Additional Interconnection Study Steps. When a Supplemental Review reveals that the proposed Generating Facility cannot be Interconnected to PG&E's Distribution System by means of a Simplified Interconnection, or that significant PG&E Interconnection Facilities or Distribution System improvements will be needed to accommodate an Applicant's Generating Facility, PG&E and Applicant shall enter into an agreement that provides for PG&E to perform additional studies, facility design, and engineering and to provide detailed cost estimates for fixed price or actual cost billing to the Applicant at the Applicant's expense. The Interconnection Study agreement shall set forth PG&E's estimated schedule and charges for completing such work. Initial and Supplemental Review and Interconnection Study fees for solar generating facilities up to 1 megawatt (MW) that do not sell power to the grid will be waived up to the amount of \$5,000. Generating Facilities eligible for Net Energy Metering under Public Utilities Code Section 2827, 2827.8, 2827.9, or 2827.10 are exempt from any costs associated with Interconnection Studies. (T)

e. Applicant and PG&E Enter Into an Interconnection Agreement and, Where Required, a Financing and Ownership Agreement for Interconnection Facilities or Distribution System Improvements. PG&E shall provide the Applicant with an executable version of the Interconnection Agreement or Net Energy Metering agreement appropriate for the Applicant's Generating Facility and desired mode of operation. Where the Supplemental Review or Interconnection Study performed by PG&E has determined that modifications or additions to its Distribution System are required, or that additional Interconnection Facilities will be necessary to accommodate an Applicant's Generating Facility, PG&E may also provide the Applicant with other Interconnection Facilities financing and ownership agreements. These agreements shall set forth PG&E and the Applicant's responsibilities, completion schedules, and estimated or fixed price costs for the required work. For Generating Facilities qualifying for service under Public Utilities Code Section 2827, with the exception of Section 2827.9, PG&E approval for Parallel Operation shall normally be provided no later than thirty (30) business days following PG&E's receipt of: (1) a completed Net Energy Metering Application including all supporting documents and required payments; (2) a completed, signed Net Energy Metering Interconnection Agreement; and (3) evidence of the Producer's final inspection clearance from the governmental authority having jurisdiction over the Generating Facility.

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS

(Continued)

E. INTERCONNECTION FACILITIES AND DISTRIBUTION SYSTEM IMPROVEMENTS OWNERSHIP AND FINANCING (Cont'd.)

1. SCOPE AND OWNERSHIP OF INTERCONNECTION FACILITIES AND DISTRIBUTION SYSTEM IMPROVEMENTS (Cont'd.)

b. Ownership. Interconnection Facilities installed on Producer's side of the Point of Common Coupling may be owned, operated and maintained by the Producer or PG&E. Interconnection Facilities installed on PG&E's side of the Point of Common Coupling and Distribution System improvements shall be owned, operated and maintained only by PG&E.

2. RESPONSIBILITY OF COSTS OF INTERCONNECTING A GENERATING FACILITY

a. Study and Review Costs. A Producer shall be responsible for the reasonably incurred costs of the reviews and studies conducted pursuant to Section C.1 of this Rule. Interconnection Study fees for solar Generating Facilities up to 1 MW that do not sell power to the grid will be waived up to the amount of \$5,000. Generating Facilities eligible for Net Energy Metering under California Public Utilities Code 2827, 2827.8, 2827.9, or 2827.10 are exempt from any costs associated with interconnection studies. (T)

b. Facility Costs. A Producer shall be responsible for all costs associated with Interconnection Facilities owned by the Producer. The Producer shall also be responsible for any costs reasonably incurred by PG&E in providing, operating, or maintaining the Interconnection Facilities and Distribution System improvements required solely for the Interconnection of the Producer's Generating Facility with PG&E's Distribution System. Generating Facilities eligible for Net Energy Metering under California Public Utilities Code 2827, 2827.8, 2827.9, or 2827.10 are exempt from any costs associated with Distribution System improvements or modifications. (T)

c. Separation of Costs. Should PG&E combine the installation of Interconnection Facilities or Distribution System improvements required for the Interconnection of a Generating Facility with improvements to PG&E's Distribution System to serve other Customers or Producers, PG&E shall not include the costs of such separate or incremental facilities in the amounts billed to the Producer.

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(T)

(Continued)

Advice Letter No. 2540-E
Decision No.

Issued by
Karen A. Tomcala
Vice President
Regulatory Relations

Date Filed August 6, 2004
Effective SEP 15 2004
Resolution No.



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**PG&E Electric Advice Filing List
General Order 96-A, Section III(G)**

ABAG Power Pool	Duncan, Virgil E.	Sempra Energy
Aglet Consumer Alliance	Dutcher, John	Sequoia Union HS Dist
Agnews Developmental Center	Dynegy Inc.	SESCO
Ahmed, Ali	Ellison Schneider	Sierra Pacific Power Company
Alcantar & Elsesser	Energy Law Group LLP	Silicon Valley Power
Anderson Donovan & Poole P.C.	Enron Energy Services	Simpson Paper Company
Applied Power Technologies	Exeter Associates	Smurfit Stone Container Corp
APS Energy Services Co Inc	Foster, Wheeler, Martinez	Southern California Edison
Arter & Hadden LLP	Franciscan Mobilehome	SPURR
Avista Corp	Future Resources Associates, Inc	St. Paul Assoc
Barkovich & Yap, Inc.	GLJ Energy Publications	Stanford University
BART	Goodin, MacBride, Squeri, Schlotz &	Sutherland, Asbill & Brennan
Bartle Wells Associates	Grueneich Resource Advocates	Tabors Caramanis & Associates
Blue Ridge Gas	Hanna & Morton	Tansev and Associates
Bohannon Development Co	Heeg, Peggy A.	Tecogen, Inc
BP Energy Company	Hogan Manufacturing, Inc	TFS Energy
Braun & Associates	House, Lon	TJ Cross Engineers
C & H Sugar Co.	Imperial Irrigation District	Transwestern Pipeline Co
CA Bldg Industry Association	Integrated Utility Consulting Group	Turlock Irrigation District
CA Cotton Ginners & Growers Assoc.	International Power Technology	United Cogen Inc.
CA League of Food Processors	J. R. Wood, Inc	URM Groups
CA Water Service Group	JTM, Inc	Utility Cost Management LLC
California Energy Commission	Kaiser Cement Corp	Utility Resource Network
California Farm Bureau Federation	Korea Elec Power Corp	Wellhead Electric Company
California ISO	Marcus, David	Western Hub Properties, LLC
Calpine	Masonite Corporation	White & Case
Calpine Corp	Matthew V. Brady & Associates	WMA
Calpine Gilroy Cogen	Maynor, Donald H.	
Cambridge Energy Research Assoc	McKenzie & Assoc	
Cameron McKenna	McKenzie & Associates	
Cardinal Cogen	Meek, Daniel W.	
Cellnet Data Systems	Mirant California, LLC	
Childress, David A.	Modesto Irrigation Dist	
City of Glendale	Morrison & Foerster	
City of Healdsburg	Morse Richard Weisenmiller & Assoc.	
City of Palo Alto	New United Motor Mfg, Inc	
City of Redding	Norris & Wong Associates	
CLECA Law Office	North Coast Solar Resources	
Constellation New Energy	Northern California Power Agency	
CPUC	PG&E National Energy Group	
Creative Technology	Pinnacle CNG Company	
Crossborder Inc	PPL EnergyPlus, LLC	
CSC Energy Services	Price, Roy	
Davis, Wright Tremaine LLP	Product Development Dept	
Davis, Wright, Tremaine, LLP	Provost Pritchard	
Defense Fuel Support Center	R. M. Hairston & Company	
Department of the Army	R. W. Beck & Associates	
Department of Water & Power City	Recon Research	
Dept of the Air Force	Regional Cogeneration Service	
DGS Natural Gas Services	RMC Lonestar	
DMM Customer Services	Sacramento Municipal Utility District	
Downey, Brand, Seymour & Rohwer	SCD Energy Solutions	
Duke Energy	Seattle City Light	
Duke Energy North America	Sempra	



**Pacific Gas and
Electric Company**

Brian K. Cherry
Director
Regulatory Relations

77 Beale Street, Room 1087
San Francisco, CA 94105

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August 6, 2004

**Advice 2540-E
(Pacific Gas and Electric Company ID U 39 E)**

Public Utilities Commission of the State of California

Subject: Modification of *Electric Rule 21-Generating Facility Interconnections To Waive Certain Fees and Costs for Electric Rate Schedule E-BIO-Net Energy Metering Service For Biogas Customer-Generators, Rate Schedule NEMFC-Net Energy Metering For Fuel Cell Customer-Generators, and for Wind Energy Co-Metering Customer-Generators Served Under Rate Schedule E-NET-Net Energy Metering Service.*

Pacific Gas and Electric Company (PG&E) hereby submits for filing revisions to its electric tariffs. The affected tariff sheets are listed on the enclosed Attachment I.

Purpose

The purpose of this filing is to seek California Public Utilities Commission (CPUC) approval to modify *Electric Rule 21-Generating Facility Interconnections* (Rule 21) to exempt net metered (i) wind co-metering customer-generators, (ii) biogas digester customer-generators and (iii) fuel cell customer-generators –served, respectively, under tariffs pursuant to California Pacific Utilities Code sections 2827.8, 2827.9 and 2827.10 – from the requirement to pay for Rule 21 required application fees, study fees and distribution system upgrade costs associated with their interconnections. These customers qualify for PG&E's CPUC approved *Electric Rate Schedule E-NET-Net Energy Metering Service* (E-NET), *Rate Schedule E-BIO-Net Energy Metering Service For Biogas Customer-Generators* (E-BIO) and *Rate Schedule NEMFC-Net Energy Metering For Fuel Cell Customer-Generators* (NEMFC), respectively. In addition, PG&E requests CPUC approval to provide refunds to the biogas digester customer-generators served under E-BIO who have already paid these fees since the effective date of the E-BIO tariff, and any other E-BIO, NEMFC or wind co-metering customers that pay these fees while the CPUC reviews this filing.

Background

Currently only solar and some wind customer-generators served under E-NET pursuant to Public Utilities Code section 2827 are exempt from payment of Rule 21 application fees, study fees and distribution system upgrade costs associated with their interconnections. Members of the California Energy Commission's Rule 21 Working Group, including PG&E, are currently working on statewide modifications to Rule 21 that would include the changes sought here, along with other improvements to Rule 21. These revisions regarding fee payment will make treatment of net metered customers served pursuant to Public Utilities Code sections 2827.8, 2827.9 and 2827.10 consistent with that of net metered customers served pursuant to Public Utilities Code section 2827. PG&E has supported making these revisions as part of the Rule 21 Working Group tariff revision process. However, in order to accommodate customer-generators that are currently in the Rule 21 interconnection process and who have requested that the fee waiver in Rule 21 be implemented as soon as possible, PG&E believes the best course at this point is to seek CPUC approval for implementing this change now, separately from the other upcoming revisions. PG&E thus makes this stand-alone filing in the hopes of accelerating the review and approval of these changes and thus affording faster relief to affected customer-generators currently in the interconnection process.

Rate Schedule and Electric Rule Changes

PG&E proposes the following revisions:

- Change the table on Initial Review Fee and Supplemental Review Fee responsibility in Rule 21 section C.1.c so that the description of net energy metering customers not required to pay the fees is expanded to provide, "Net Energy Metering (per Public Utilities Code Section 2827, **2827.8, 2827.9, or 2827.10**)." (new language in bold)
- Modify the language in Rule 21 C.1.d and Rule 21 E.2.a regarding study and review costs to provide, "Generating Facilities eligible for Net Energy Metering under California Public Utilities Code Section 2827, **2827.8, 2827.9, or 2827.10**." (new language in bold)
- Modify the language in Rule 21 E.2.b regarding facility costs to state, "Generating Facilities eligible for Net Energy Metering under California Public Utilities Code 2827, **2827.8, 2827.9, or 2827.10** are exempt from any costs associated with Distribution System improvements or modifications." (new language in bold)

In addition, PG&E proposes to refund certain Rule 21 fees and study costs already paid by E-BIO, NEMFC, and Wind Co-Metering customer-generators,

starting from the effective date of their applicable net metering tariff, upon CPUC approval of this Advice Letter.

Protest

Anyone wishing to protest this filing should do so by sending a letter via postal mail and facsimile by **August 26, 2004**, 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:

IMC Branch Chief
Energy Division
California Public Utilities Commission
505 Van Ness Avenue, Room 4002
San Francisco, California 94102
Facsimile: (415) 703-2200
E-mail: jjr@cpuc.ca.gov

Copies should also be mailed to the attention of the Director, Energy Division, Room 4005 and Jerry Royer, Energy Division, at the address shown above. It is also requested that a copy of the protest be sent via postal mail and facsimile to Pacific Gas and Electric Company on the same date it is mailed or delivered to the Commission at the address shown below.

Brian K. Cherry
Director, Regulatory Relations
Pacific Gas and Electric Company
P.O. Box 770000 Mail Code B10C
San Francisco, California 94177
Facsimile: (415) 973-7226
E-mail: RxDd@pge.com

The protest shall set forth the grounds upon which it is based and shall be submitted expeditiously. There is no restriction on who may file a protest.

Effective Date

In compliance with General Order 96-A, PG&E requests this filing be effective on **September 15, 2004**, which is forty days from the date of filing.

Notice

In accordance with General Order 96-A, Section III, Paragraph G, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the

attached list, and the service list parties for Rulemaking (R.) 04-03-017. Address changes should be directed to Rose De La Torre (415) 973-4716. Advice letter filings can also be accessed electronically at:

<http://www.pge.com/tariffs/>

Brian K. Cherry
Director - Regulatory Relations

Attachments

cc: R. 04-03-017

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
22091-E	Electric Rule 21 – Generating Facility Interconnections	19406-E
22092-E	Electric Rule 21 (Continued)	20847-E
22093-E	Electric Rule 21 (Continued)	19417-E
22094-E	Table of Contents – Rules (Continued)	21562-E
22095-E	Table of Contents – Rate Schedules	22087-E



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

C. APPLICATION AND INTERCONNECTION PROCESS

1. APPLICATION PROCESS

- a. Applicant Initiates Contact With PG&E. Upon request, PG&E will provide information and documents (such as sample agreements, Application, technical information, listing of Certified Equipment, Initial and Supplemental Review fee information, applicable rate schedules and Metering requirements) to a potential Applicant. Unless otherwise agreed upon, all such information shall normally be sent to an Applicant within three (3) business days following the initial request from the Applicant. PG&E will establish an individual representative as the single point of contact for the Applicant, but may allocate responsibilities among its staff to best coordinate the Interconnection of an Applicant's Generating Facility.
- b. Applicant Completes an Application. All Applicants shall be required to complete and file an Application and supply any relevant additional information requested by PG&E. The filing must include the completed Application and the Initial Review fee for processing the Application and performing the review to be completed by PG&E pursuant to Section C.1.c. The Initial and Supplemental Review fee shall vary with the type of service that will be provided to the Customer account to which the proposed Generating Facility will be interconnected as indicated in the following table:

Type of Service provided to Customer Account	Initial Review Fee	Supplemental Review Fee
Net Energy Metering (per Public Utilities Code Section 2827, 2827.8, 2827.9, or 2827.10)	None	None
Solar Generating facilities of 1 MW or less that do not sell power to the grid (per D.01-07-027)	None	None
All Others	\$800	\$600 (additional)

(T)

Notes: Allocation of cost between Applicant and PG&E to be determined by the Commission in Phase 2 of R.99-10-025. The total cost borne by the Applicant should be reduced by the cost allocated to PG&E's distribution function.

Fifty percent of the fees associated with the Initial Review will be returned to the Applicant if the application is rejected by PG&E or the Applicant retracts the Application. The Applicant may propose, and PG&E may negotiate specific costs for processing non-standard Generating Facilities, such as multi-Generators, multi-sites, or otherwise as conditions warrant. The costs for the Initial Review and the Supplemental Review contained in this Section, as well as the language provided in Sections C.1.c and C.1.d do not apply under these circumstances.

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

C. APPLICATION AND INTERCONNECTION PROCESS (Cont'd.)

1. APPLICATION PROCESS (Cont'd.)

d. When Required, Applicant and PG&E Commit to Additional Interconnection Study Steps. When a Supplemental Review reveals that the proposed Generating Facility cannot be Interconnected to PG&E's Distribution System by means of a Simplified Interconnection, or that significant PG&E Interconnection Facilities or Distribution System improvements will be needed to accommodate an Applicant's Generating Facility, PG&E and Applicant shall enter into an agreement that provides for PG&E to perform additional studies, facility design, and engineering and to provide detailed cost estimates for fixed price or actual cost billing to the Applicant at the Applicant's expense. The Interconnection Study agreement shall set forth PG&E's estimated schedule and charges for completing such work. Initial and Supplemental Review and Interconnection Study fees for solar generating facilities up to 1 megawatt (MW) that do not sell power to the grid will be waived up to the amount of \$5,000. Generating Facilities eligible for Net Energy Metering under Public Utilities Code Section 2827, 2827.8, 2827.9, or 2827.10 are exempt from any costs associated with Interconnection Studies.

(T)

e. Applicant and PG&E Enter Into an Interconnection Agreement and, Where Required, a Financing and Ownership Agreement for Interconnection Facilities or Distribution System Improvements. PG&E shall provide the Applicant with an executable version of the Interconnection Agreement or Net Energy Metering agreement appropriate for the Applicant's Generating Facility and desired mode of operation. Where the Supplemental Review or Interconnection Study performed by PG&E has determined that modifications or additions to its Distribution System are required, or that additional Interconnection Facilities will be necessary to accommodate an Applicant's Generating Facility, PG&E may also provide the Applicant with other Interconnection Facilities financing and ownership agreements. These agreements shall set forth PG&E and the Applicant's responsibilities, completion schedules, and estimated or fixed price costs for the required work. For Generating Facilities qualifying for service under Public Utilities Code Section 2827, with the exception of Section 2827.9, PG&E approval for Parallel Operation shall normally be provided no later than thirty (30) business days following PG&E's receipt of: (1) a completed Net Energy Metering Application including all supporting documents and required payments; (2) a completed, signed Net Energy Metering Interconnection Agreement; and (3) evidence of the Producer's final inspection clearance from the governmental authority having jurisdiction over the Generating Facility.

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

E. INTERCONNECTION FACILITIES AND DISTRIBUTION SYSTEM IMPROVEMENTS OWNERSHIP AND FINANCING (Cont'd.)

1. SCOPE AND OWNERSHIP OF INTERCONNECTION FACILITIES AND DISTRIBUTION SYSTEM IMPROVEMENTS (Cont'd.)

b. Ownership. Interconnection Facilities installed on Producer's side of the Point of Common Coupling may be owned, operated and maintained by the Producer or PG&E. Interconnection Facilities installed on PG&E's side of the Point of Common Coupling and Distribution System improvements shall be owned, operated and maintained only by PG&E.

2. RESPONSIBILITY OF COSTS OF INTERCONNECTING A GENERATING FACILITY

a. Study and Review Costs. A Producer shall be responsible for the reasonably incurred costs of the reviews and studies conducted pursuant to Section C.1 of this Rule. Interconnection Study fees for solar Generating Facilities up to 1 MW that do not sell power to the grid will be waived up to the amount of \$5,000. Generating Facilities eligible for Net Energy Metering under California Public Utilities Code 2827, 2827.8, 2827.9, or 2827.10 are exempt from any costs associated with interconnection studies. (T)

b. Facility Costs. A Producer shall be responsible for all costs associated with Interconnection Facilities owned by the Producer. The Producer shall also be responsible for any costs reasonably incurred by PG&E in providing, operating, or maintaining the Interconnection Facilities and Distribution System improvements required solely for the Interconnection of the Producer's Generating Facility with PG&E's Distribution System. Generating Facilities eligible for Net Energy Metering under California Public Utilities Code 2827, 2827.8, 2827.9, or 2827.10 are exempt from any costs associated with Distribution System improvements or modifications. (T)

c. Separation of Costs. Should PG&E combine the installation of Interconnection Facilities or Distribution System improvements required for the Interconnection of a Generating Facility with improvements to PG&E's Distribution System to serve other Customers or Producers, PG&E shall not include the costs of such separate or incremental facilities in the amounts billed to the Producer.

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Advice Letter No. 2540-E
Decision No.

Issued by
Karen A. Tomcala
Vice President
Regulatory Relations

Date Filed August 6, 2004
Effective _____
Resolution No. _____



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**PG&E Electric Advice Filing List
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ABAG Power Pool
Aglet Consumer Alliance
Agnews Developmental Center
Ahmed, Ali
Alcantar & Elsesser
Anderson Donovan & Poole P.C.
Applied Power Technologies
APS Energy Services Co Inc
Arter & Hadden LLP
Avista Corp
Barkovich & Yap, Inc.
BART
Bartle Wells Associates
Blue Ridge Gas
Bohannon Development Co
BP Energy Company
Braun & Associates
C & H Sugar Co.
CA Bldg Industry Association
CA Cotton Ginners & Growers Assoc.
CA League of Food Processors
CA Water Service Group
California Energy Commission
California Farm Bureau Federation
California ISO
Calpine
Calpine Corp
Calpine Gilroy Cogen
Cambridge Energy Research Assoc
Cameron McKenna
Cardinal Cogen
Cellnet Data Systems
Childress, David A.
City of Glendale
City of Healdsburg
City of Palo Alto
City of Redding
CLECA Law Office
Constellation New Energy
CPUC
Creative Technology
Crossborder Inc
CSC Energy Services
Davis, Wright Tremaine LLP
Davis, Wright, Tremaine, LLP
Defense Fuel Support Center
Department of the Army
Department of Water & Power City
Dept of the Air Force
DGS Natural Gas Services
DMM Customer Services
Downey, Brand, Seymour & Rohwer
Duke Energy
Duke Energy North America

Duncan, Virgil E.
Dutcher, John
Dynegy Inc.
Ellison Schneider
Energy Law Group LLP
Enron Energy Services
Exeter Associates
Foster, Wheeler, Martinez
Franciscan Mobilehome
Future Resources Associates, Inc
GLJ Energy Publications
Goodin, MacBride, Squeri, Schlotz &
Grueneich Resource Advocates
Hanna & Morton
Heeg, Peggy A.
Hogan Manufacturing, Inc
House, Lon
Imperial Irrigation District
Integrated Utility Consulting Group
International Power Technology
J. R. Wood, Inc
JTM, Inc
Kaiser Cement Corp
Korea Elec Power Corp
Marcus, David
Masonite Corporation
Matthew V. Brady & Associates
Maynor, Donald H.
McKenzie & Assoc
McKenzie & Associates
Meek, Daniel W.
Mirant California, LLC
Modesto Irrigation Dist
Morrison & Foerster
Morse Richard Weisenmiller & Assoc.
New United Motor Mfg, Inc
Norris & Wong Associates
North Coast Solar Resources
Northern California Power Agency
PG&E National Energy Group
Pinnacle CNG Company
PPL EnergyPlus, LLC
Price, Roy
Product Development Dept
Provost Pritchard
R. M. Hairston & Company
R. W. Beck & Associates
Recon Research
Regional Cogeneration Service
RMC Lonestar
Sacramento Municipal Utility District
SCD Energy Solutions
Seattle City Light
Sempra

Sempra Energy
Sequoia Union HS Dist
SESCO
Sierra Pacific Power Company
Silicon Valley Power
Simpson Paper Company
Smurfit Stone Container Corp
Southern California Edison
SPURR
St. Paul Assoc
Stanford University
Sutherland, Asbill & Brennan
Tabors Caramanis & Associates
Tansev and Associates
Tecogen, Inc
TFS Energy
TJ Cross Engineers
Transwestern Pipeline Co
Turlock Irrigation District
United Cogen Inc.
URM Groups
Utility Cost Management LLC
Utility Resource Network
Wellhead Electric Company
Western Hub Properties, LLC
White & Case
WMA