

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



Pacific Gas & Electric Company
ELC (Corp ID 39)
Status of Advice Letter 7023E
As of November 21, 2023

Subject: Deviation for Zum Services Inc. from Certain Requirements in Pacific Gas and Electric Company's Electric Rule 21 Filed Form 79-1070 ("Export Addendum To Generating Facility Interconnection Agreement For Non-Export Generating Facilities)

Division Assigned: Energy

Date Filed: 09-13-2023

Date to Calendar: 09-15-2023

Authorizing Documents: None

Disposition:	Withdrawn
Effective Date:	None

Resolution Required: Yes

Resolution Number: None

Commission Meeting Date: None

CPUC Contact Information:

edtariffunit@cpuc.ca.gov

AL Certificate Contact Information:

Stuart Rubio

279-789-6210

PGETariffs@pge.com

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



To: Energy Company Filing Advice Letter

From: Energy Division PAL Coordinator

Subject: Your Advice Letter Filing

The Energy Division of the California Public Utilities Commission has processed your recent Advice Letter (AL) filing and is returning an AL status certificate for your records.

The AL status certificate indicates:

- Advice Letter Number
- Name of Filer
- CPUC Corporate ID number of Filer
- Subject of Filing
- Date Filed
- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)
- Effective Date of Filing
- Other Miscellaneous Information (e.g., Resolution, if applicable, etc.)

The Energy Division has made no changes to your copy of the Advice Letter Filing; please review your Advice Letter Filing with the information contained in the AL status certificate, and update your Advice Letter and tariff records accordingly.

All inquiries to the California Public Utilities Commission on the status of your Advice Letter Filing will be answered by Energy Division staff based on the information contained in the Energy Division's PAL database from which the AL status certificate is generated. If you have any questions on this matter please contact the:

Energy Division's Tariff Unit by e-mail to
edtariffunit@cpuc.ca.gov

September 13, 2023

Advice 7023-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Deviation for Zum Services Inc. from Certain Requirements in Pacific Gas and Electric Company’s Electric Rule 21 Filed Form 79-1070 (“Export Addendum To Generating Facility Interconnection Agreement For Non-Export Generating Facilities (Form 79-973) Sized 2 Megawatts Or Less”)

Purpose

Pacific Gas and Electric Company (PG&E) hereby submits this Tier 3 Advice Letter (AL) requesting approval for a single deviation for Zum Services Inc. (Zum Services or Customer) on PG&E’s Electric Rule 21 Filed Form 79-1070 (“Export Addendum To Generating Facility Interconnection Agreement For Non-Export Generating Facilities (Form 79-973) Sized 2 Megawatts Or Less”).¹ Where Form 79-1070 currently provides an additional interconnection option for customers seeking to interconnect a generating facility two megawatts or less under Form 79-973 where the customer anticipates that their power production may at times exceed power usage, PG&E requests a deviation to remove the 2 megawatt generating facility size limit. The deviated form is listed on the enclosed Attachment 2.

Background**Form 79-1070**

PG&E Form 79-1070 is an addendum to PG&E’s Non-Export Generating Facility Interconnection Agreement (GFIA), representing agreement between PG&E and interconnection customers seeking to interconnect and operate a nonexport generating facility in parallel with PG&E’s Distribution System to Export to PG&E’s Distribution System (Export is defined as the uncompensated and unscheduled flow of electrical energy from Customer’s Generating facility onto PG&E’s Distribution System). This form applies to the Customer’s inverter-based, solar and/or wind Generating Facility sized 2 megawatts (“MW”) or less, provided that the generating facility otherwise satisfies all other applicable requirements of PG&E’s Electric Rule 21 and modifies the GFIA only as it pertains to Export.

¹ Form [79-1070](#)

By signing this addendum, the Customer agrees that such Export is solely for Customer's operating convenience and understands that there will be no compensation made by PG&E, or third parties, for such Export. The Customer understands that it is obligated to manage Export in compliance with current and future guidelines established by regulatory agencies having jurisdiction over such Export. These Export provisions continue unchanged.

PG&E Advice Letter 6979-E

On July 7, 2023, PG&E submitted AL 6979-E² proposing to modify Form 79-1070 to expand the applicability of the export addendum by removing the two megawatt limit on generating facility size. This AL is currently pending before the California Public Utilities Commission (CPUC or Commission).

Zum Services Inc.

Zum Services Inc., the Interconnection Customer, has requested a Generating Facility (GF) interconnection for V2G School Bus Yard Electrification-OAK (Project) to PG&E's distribution system for a 2,520.0 kW Advance Energy Storage generating facility to be located in Oakland, CA 94601. The Generating Facility will be connected to PG&E's Oakland J 1112 distribution circuit. Interconnection will be in accordance with CPUC's Generating Facility Interconnections, Electric Rule 21.

Deviation

PG&E and Zum Services are seeking to modify Form 79-1070 to remove the 2 megawatt limit on Generating Facility size. Accordingly, this advice letter proposes to deviate from Form 79-1070 as follows:

- 1) Changes the title of the addendum (Form 79-1070) from:

EXPORT ADDENDUM TO GENERATING FACILITY INTERCONNECTION AGREEMENT FOR NON-EXPORT GENERATING FACILITIES (FORM 79-973) SIZED 2 MEGAWATTS OR LESS

to

EXPORT ADDENDUM TO GENERATING FACILITY INTERCONNECTION AGREEMENT FOR NON-EXPORT GENERATING FACILITIES (FORM 79-973) **SIZED 2 MEGAWATTS OR LESS**

² [PG&E Advice Letter 6979-E](#) – Modifications to PG&E's Form 79-1070 ("Export Addendum To Generating Facility Interconnection Agreement For Non-Export Generating Facilities (Form 79-973) Sized 2 Megawatts Or Less") To Remove Facility Size Threshold, submitted July 7, 2023.

2) Modifies the addendum section 1.2 under “Purpose and Scope” to read:

“This Addendum shall apply to Customer’s Generating Facility ~~that is 2 megawatts (MW) or less~~ provided that the Generating Facility otherwise satisfies all other applicable requirements of PG&E’s Electric Rule 21.

PG&E notes that the proposed changes to Form 79-1070 will not modify the customer’s obligations regarding exported amounts, since the form specifically imposes a limitation on exports (as shown below):

3. INTERCONNECTION OF GENERATING FACILITY

3.1. In addition to the requirements of Electric Rule 21 and the GFIA, Customer will abide by the following requirements in the interconnection and operation of its Generating Facility:

3.1.1. The maximum amount of electric power to be delivered to PG&E’s Distribution System shall not exceed _____
[INSERT MAXIMUM AMOUNT OF EXPORT CAPACITY].

Since Form 79-1070 already limits the maximum amount of electric power to be delivered to PG&E’s Distribution System, PG&E believes removing the 2 MW limit on the project size in Form 79-1070 would be immaterial and have little (if any) effect on Form 79-1070’s function in restricting the amount of exports.

In its proposal to modify Form 79-1070 to remove the 2 MW generating facility limit in AL 6979-E, PG&E further noted:

“PG&E anticipates that modifying this form as requested would give customers more flexibility and remove the otherwise arbitrary limit on generating facility size—the two MW limit may have served a purpose in the past, [but] now that larger generators are more common and control systems are better understood, PG&E can evaluate each project on its own merit instead of requiring a cap on maximum size.

“PG&E does not anticipate engineering or safety concerns associated with the removal of the generating facility size limit, because any proposed project will be reviewed by PG&E’s engineering team prior to initiating the Interconnection Agreement phase.”

As it relates to Zum Services, approving the deviation will permit the Customer a wider variety of options and a path towards interconnection. Zum Services has a 2.5 MW generating facility and would be foreclosed from using Form 79-1070, but for the CPUC’s approving of this deviation.

Ministerial Revisions

PG&E is also fixing a small typographical error on page 3 of the Form 79-1070 to revise the number "0" to the letter "O."

PG&E includes these Form 79-1070 revisions in Attachment 2. For convenience of the reader, PG&E has also included redline revisions in Attachment 3.

Protests

Anyone wishing to protest this submittal may do so by letter sent electronically via E-mail, no later than October 3, 2023, which is 20 days after the date of this submittal. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
E-mail: EDTariffUnit@cpuc.ca.gov

The protest shall also be electronically sent to PG&E via E-mail at the address shown below on the same date it is electronically delivered to the Commission:

Sidney Bob Dietz II
Director, Regulatory Relations
c/o Megan Lawson
E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (General Order 96-B, Section 7.4). The protest shall contain the following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name and e-mail address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

Effective Date

Pursuant to General Order (GO) 96-B, Rule 5.2, this advice letter is submitted with a Tier 3 designation. PG&E requests that this Tier 3 advice submittal become effective upon Commission approval.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically to "all parties to the Contract or other deviation." Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov.

Send all electronic approvals to PGETariffs@pge.com. Advice letter submittals can also be accessed electronically at: <http://www.pge.com/tariffs/>.

/S/

Sidney Bob Dietz II
Director, Regulatory Relations
CPUC Communications

Attachments:

Attachment 1: Contracts and Deviations Tariff
Attachment 2: Clean Form 79-1070 for Zum Services Inc.
Attachment 3: Redline Form 79-1070 Revisions

cc: Pallav Prakash pprakash@ridezum.com



ADVICE LETTER SUMMARY

ENERGY UTILITY



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

Company name/CPUC Utility No.: Pacific Gas and Electric Company (U 39 E)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Stuart Rubio
 Phone #: 279-789-6210
 E-mail: PGETariffs@pge.com
 E-mail Disposition Notice to: stuart.rubio@pge.com

EXPLANATION OF UTILITY TYPE
 ELC = Electric GAS = Gas WATER = Water
 PLC = Pipeline HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 7023-E

Tier Designation: 3

Subject of AL: Deviation for Zum Services Inc. from Certain Requirements in Pacific Gas and Electric Company's Electric Rule 21 Filed Form 79-1070 ("Export Addendum To Generating Facility Interconnection Agreement For Non-Export Generating Facilities (Form 79-973) Sized 2 Megawatts Or Less")

Keywords (choose from CPUC listing): Rule 21

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #:

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

Summarize differences between the AL and the prior withdrawn or rejected AL: N/A

Confidential treatment requested? Yes No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? Yes No

Requested effective date:

No. of tariff sheets: 3

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

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

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

Tariff schedules affected: see attachment 1

Service affected and changes proposed¹: N/A

Pending advice letters that revise the same tariff sheets: 6669-E-A (Contracts and Deviations Tariff)

¹Discuss in AL if more space is needed.

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

California Public Utilities Commission
Energy Division Tariff Unit Email:
EDTariffUnit@cpuc.ca.gov

Contact Name: Sidnev Bob Dietz II. c/o Megan Lawson
Title: Director, Regulatory Relations
Utility/Entity Name: Pacific Gas and Electric Company

Telephone (xxx) xxx-xxxx: (415)973-2093
Facsimile (xxx) xxx-xxxx:
Email: PGETariffs@pge.com

Contact Name:
Title:
Utility/Entity Name:

Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

CPUC
Energy Division Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102

Clear Form

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
56620-E	LIST OF CONTRACTS AND DEVIATIONS (Continued) Sheet 11	56617-E
56621-E	ELECTRIC TABLE OF CONTENTS Sheet 1	56615-E
56622-E	ELECTRIC TABLE OF CONTENTS Sheet 21	53804-E



LIST OF CONTRACTS AND DEVIATIONS
(Continued)

Sheet 11

Name and Location of Customer		Most Comparable Regular Tariff			
PG&E Installation Reference No.	Type or Class of Service	Execution and Expiration Dates	Commission Authorization Number and Date	Schedule or Rule No.	Contract Difference
<u>GOLDEN GATE REGION</u> (Cont'd.)					
<u>Counties and Cities</u>					
City of San Bruno Sweeney Bridge	Coml/Ind	1-10-78 5 Years*2	G.O.96-A,X.B. 3-8-78	Rule 15 Sec. E.7	Monthly Cost of Ownership Charge
City and County of San Francisco	Trans & Exch	1-16-79 & 6-30-85 ---	Res. 79-0153	---	Special Rate Amending Previous Agreements
San Francisco Municipal Railway	Coml	3-30-79 ---	---	Rule 2	Monthly Cost of Ownership Charge
City and County of San Francisco	Coml	1-19-82 ---	Res. 82-0216 5-25-82	---	Amending Agreement dated 1-3-77
City and County of San Francisco Hetch-Hetchy	Coml	12-21-87 7-1-2015	---	---	Wheeling
City and County of San Francisco	Street Lights	---	Res. E-3203 4-24-91	LS-1 LS-2	Customer Supplies Energy Standard Services
City and County of San Francisco	General Service	6-3-10 6-3-12	G.O.96-B, 8.2.3 Advice 3682 (pending)	Rule 23	Service Agreement
<u>Supplemental Power</u>					
City and County of San Francisco Riverbank Army Ammunition Plant	Supplemental	10-21-66	G.O.96-A,X.B. 6-21-67	---	Special Rate
<u>Developers/Subdividers</u>					
Arvada Fremont Developers 700 Welch Road Palo Alto	Coml/Ind	6-10-81 ---	Res. G-2458 3-2-82	Rule 15.2	Cost of Ownership Charge
Peninsula Corridor Joint Power Board (JPB or Caltrain) (Master Agreement, Supplement No.1, No. 2, No. 3, No. 5 and No. 4) San Francisco, San Jose	General Power Service	Between 04-29-16 to 08-03-17 --	GO 96-B, Sec. 9.2.3 Res. E-4811 12-15-16 Res. E-4830 04-27-17 Res. E-4886 09-28-18	Rule 15 and Rule 16	Service Agreement, Transmission and Payment Process
Peninsula Corridor Joint Power Board (JPB or Caltrain)	General Power Service	7/27/2022 --	GO 96-B, Sec. 9.2.3	Form 79-847	Modifications to the standard form Transmission Load Operating Agreement (P)
Zum Services Inc.	General Service	TBD	To be updated upon commission approval	Form 79-1070	Deviation from Generating Facility Size Limit (N)

*1 to *4 See last page of Electric Contracts and Deviations Section for explanation of footnotes.

(Continued)

Advice Decision 7023-E

Issued by
Meredith Allen
Vice President, Regulatory Affairs

Submitted Effective Resolution

September 13, 2023



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Sheet 1

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Preliminary Statements.....	52771,48064,52561,41723,49327,54450,56606-E		
Preliminary Statements, Rules.....		56607-E	
Rules		55898,48369-E	
Maps, Contracts and Deviations.....		56622-E	(T)
Sample Forms.....	47207,49743,49301,56342, 49303,49304,		
.....	51241,51242,54733,52810,49309,56114,49311-E		

(Continued)

Advice 7023-E
Decision

Issued by
Meredith Allen
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

September 13, 2023



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Sheet 21

TITLE OF SHEET

CAL P.U.C. SHEET NO.

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Maps, Contracts and Deviations

SERVICE AREA MAPS

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LIST OF CONTRACTS AND DEVIATIONS

.....	13819,13794,37604,37465,12000,12001,13672,12003,19350,11435, 56620 ,20977,29590,12006,21635,21636,29591,34524,11191,12010, 46207,11194,11195,12969,31155,12012,52870,33251,29670,31469, 12955,19353,12018,12019,12020,12021,12022,12023,30666,17259, 12026,13092,11211,12027,12028,16703,12030,12031,14035,29593, 12032,23621,11219,12034,20831,12036,11223,11986,11987,52944, 16898,11227-E
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(T)

(Continued)

Advice 7023-E
Decision

Issued by
Meredith Allen
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

September 13, 2023

Attachment 2

Clean Form 79-1070 for Zum Services Inc.

**EXPORT ADDENDUM TO GENERATING
FACILITY INTERCONNECTION
AGREEMENT FOR NON-EXPORT
GENERATING FACILITIES (FORM 79-973)**

Pacific Gas and Electric Company, a California Corporation (PG&E), and Zum Services Inc., (Customer) hereby enter into this Addendum to the Generation Interconnection Facility Agreement (GFIA) (Form 79-973) between PG&E and Customer. Customer and PG&E are sometimes referred to in this Addendum jointly as "Parties" or individually as "Party". The Parties agree as follows:

1. PURPOSE AND SCOPE

- 1.1 This Addendum represents mutual agreement between PG&E and Customer to provide for Export as described in Section 1.3 below, notwithstanding Section 5.1 of the GFIA.
- 1.2 This Addendum shall apply to Customer's Generating Facility provided that the Generating Facility otherwise satisfies all other applicable requirements of Rule 21.
- 1.3 For purposes of this Addendum, Export is defined as the uncompensated and unscheduled flow of electrical energy from Customer's Generating Facility onto PG&E's Distribution System. The Export shall fully comply with Section 3 of this Addendum. Customer agrees that such Export is solely for Customer's operating convenience and understands that there will be no compensation made by PG&E, or third parties, for such Export. Customer understands that it is obligated to manage Export in compliance with current and future guidelines established by regulatory agencies having jurisdiction over such Export.
- 1.4 All other capitalized terms used and not defined herein, whether in singular or plural, shall have the meanings assigned to them in Rule 21.

2. TERM AND TERMINATION

- 2.1 This Addendum shall become effective as of the later of the effective date of the GFIA or the last date entered in Section 5 of this Addendum.
- 2.2 This Addendum shall continue in full force and effect until termination of the GFIA, unless terminated in accordance with Section 4.2 of this Addendum.

3. INTERCONNECTION OF GENERATING FACILITY

- 3.1 In addition to the requirements of Electric Rule 21 and the GFIA, Customer will abide by the following requirements in the interconnection and operation of its Generating Facility:

3.1.1 The maximum amount of electric power to be delivered to PG&E's Distribution System shall not exceed 2,520 kW [INSERT MAXIMUM AMOUNT OF EXPORT CAPACITY].

3.1.2 Customer will set and maintain relay settings as specified by PG&E, as an attachment to this Addendum, if applicable:

applicable

not applicable

3.1.3 Customer will meet all requirements specified by PG&E in the Special Facilities Agreement and/or Agreement to Perform Tariff Schedule Related Work such as a telemetry, grounding/stabilizing transformer, fault detection schemes, and/or transfer trip as an attachment to this Addendum, if applicable:

applicable

not applicable

3.1.4 This addendum does not provide for, or otherwise obligate PG&E to measure, purchase, transmit, distribute, or store the electrical power delivered to PG&E's system by Customer.

3.1.5 The Generating Facility shall be operated with all of Customer's Protective Functions specified in Section 3 in service whenever the Generating Facility is operated in parallel with PG&E's Distribution System. Any deviation from these requirements may occur only when the Parties have agreed to such deviations in writing.

3.1.6 Customer shall understand that if PG&E needs to reconfigure the Distribution System and that if after such reconfiguration is complete, a voltage regulation problem arises due to Export by Customer, then Customer will correct, at its cost, Customer's Generating Facility as may reasonably be necessary to resolve the voltage regulation issue. Customer agrees that until such voltage regulation issue is resolved to PG&E's reasonable satisfaction, Customer will not be permitted to make Exports to the Distribution System.

3.2 PG&E retains the right, without notice, to require Customer to curtail Export during times of Emergency or under circumstances where such Export might interfere with the safe and reliable operation of the Distribution System.

3.3 Generating Facilities greater than 1 MW may have additional requirements and charges pursuant to applicable California Independent System Operator (CAISO) tariffs.

4. COMPLIANCE

4.1 In the event Customer operates its Generating Facility in a manner that exceeds the parameters for Export established in Section 3 of this Addendum, Customer understands that: 1) its Generating Facility will be subject to curtailment or disconnection as provided in Rule 21 Section D.9 for Unsafe Operating Conditions, and 2) PG&E reserves the right to change this Export Agreement to a non-export interconnection at its sole discretion in order to meet system operation or reliability needs, and all interconnection facilities and labor required to enact this change will be at the Customer's expense.

4.2 This Addendum shall at all times be subject to such changes or modifications by the Public Utilities Commission of the State of California, as said Commission may, from time to time, direct in the exercise of its jurisdiction.

5. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused three originals of this Addendum to be executed by their duly authorized representatives.

<u>Zum Services Inc.</u> (Company Name)	<u>PACIFIC GAS AND ELECTRIC COMPANY</u>
<u>(Signature)</u>	<u>(Signature)</u>
<u>(Print Name)</u>	<u>Will Scott</u> (Print Name)
<u>(Title)</u>	<u>Supervisor, Electric Grid Interconnection</u> (Title)
<u>(Date)</u>	<u>(Date)</u>

Attachment 3

Redline Form 79-1070 Revisions



EXPORT ADDENDUM TO GENERATING FACILITY
INTERCONNECTION AGREEMENT FOR NON-EXPORT
GENERATING FACILITIES (FORM 79-973) **SIZED 2 MEGAWATTS
OR LESS**

Pacific Gas and Electric Company (PG&E), a California Corporation, and Zum Services Inc., (Customer) hereby enter into this Addendum to the Generation Facility Interconnection Agreement for Non-Export Generating Facilities (GFIA) (Form 79-973) between PG&E and Customer. Customer and PG&E are sometimes referred to in this Addendum jointly as "Parties" or individually as "Party." The Parties agree as follows:

1. PURPOSE AND SCOPE

- 1.1. This Addendum represents mutual agreement between PG&E and Customer to provide for Export as described in Section 1.3 below, notwithstanding Section 5.1 of the GFIA.
- 1.2. This Addendum shall apply to Customer's Generating Facility ~~that is 2 megawatts (MW) or less~~ provided that the Generating Facility otherwise satisfies all other applicable requirements of PG&E's Electric Rule 21.
- 1.3. For purposes of this Addendum, Export is defined as the uncompensated and unscheduled flow of electrical energy from Customer's Generating Facility onto PG&E's Distribution System. The Export shall fully comply with Section 3 of this Addendum. Customer agrees that such Export is solely for Customer's operating convenience and understands that there will be no compensation made by PG&E, or third parties, for such Export. Customer understands that it is obligated to manage Export in compliance with current and future guidelines established by regulatory agencies having jurisdiction over such Export.
- 1.4. All other capitalized terms used and not defined herein, whether in singular or plural, shall have the meanings assigned to them in PG&E's Electric Rule 21.

2. TERM AND TERMINATION

- 2.1. This Addendum shall become effective as of the later of the effective date of the GFIA or the last date entered in Section 5 of this Addendum.
- 2.2. This Addendum shall continue in full force and effect until termination of the GFIA, or unless terminated in accordance with Section 4.2 of this Addendum.



**EXPORT ADDENDUM TO GENERATING FACILITY
INTERCONNECTION AGREEMENT FOR NON-EXPORT
GENERATING FACILITIES (~~FORM 79-973~~) SIZED 2
MEGAWATTS OR LESS**

3. INTERCONNECTION OF GENERATING FACILITY

3.1. In addition to the requirements of Electric Rule 21 and the GFIA, Customer will abide by the following requirements in the interconnection and operation of its Generating Facility:

3.1.1. The maximum amount of electric power to be delivered to PG&E's Distribution System shall not exceed 2,520 kW
[INSERT MAXIMUM AMOUNT OF EXPORT CAPACITY].

3.1.2. Customer will set and maintain relay settings as specified by PG&E, as an attachment to this Addendum, if applicable:

applicable

not applicable

3.1.3. Customer will meet all requirements specified by PG&E, in the Special Facilities Agreement for items such as a grounding/stabilizing transformer, fault detection schemes, and/or transfer trip as an attachment to this Addendum, if applicable:

applicable

not applicable

3.1.4. This Addendum does not provide for, or otherwise obligate PG&E to measure, purchase, transmit, distribute, or store the electrical power delivered to PG&E's Distribution System by Customer.

3.1.5. The Generating Facility shall be operated with all of Customer's Protective Functions specified in Section 3 in service whenever the Generating Facility is operated in parallel with PG&E's Distribution System. Any deviation from these requirements may occur only when the Parties have agreed to such deviations in writing.

3.1.6. Customer shall understand that if PG&E needs to reconfigure the Distribution System and that if after such reconfiguration is complete, a voltage regulation problem arises due to Export by Customer, then Customer will correct, at its cost, Customer's Generating Facility as may reasonably be necessary to resolve the voltage regulation issue. Customer agrees that until such voltage regulation issue is resolved to PG&E's reasonable satisfaction, Customer will not be permitted to make Exports to the Distribution System.



EXPORT ADDENDUM TO GENERATING FACILITY INTERCONNECTION AGREEMENT FOR NON-EXPORT GENERATING FACILITIES (FORM 79-973) SIZED 2 MEGAWATTS OR LESS

- 3.2. PG&E retains the right, without notice, to require Customer to curtail Export during times of Emergency or under circumstances where such Export might interfere with the safe and reliable operation of the Distribution System.
3.3. Generating Facilities greater than 1 MW may have additional requirements and charges pursuant to applicable California Independent System Operator (CAISO) tariffs.

4. COMPLIANCE

- 4.1. In the event Customer operates its Generating Facility in a manner that exceeds the parameters for Export established in Section 3 of this Addendum, Customer understands that 1) its Generating Facility will be subject to curtailment or disconnection as provided in PG&E's Electric Rule 21 Section B.9 for Unsafe Operating Conditions, and 2) PG&E reserves the right to change this Export Addendum to a non-export interconnection at its sole discretion in order to meet system operation or reliability needs, and all interconnection facilities and labor required to enact this change will be at Customer's expense.
4.2. This Addendum shall at all times be subject to such changes or modifications by the Public Utilities Commission of the State of California, as said Commission may, from time to time, direct in the exercise of its jurisdiction.

5. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused three originals of this Addendum to be executed by their duly authorized representatives.

Zum Services Inc.
(Company Name)
(Signature)
(Print Name)
(Title)
(Date)

PACIFIC GAS AND ELECTRIC COMPANY
(Signature)
Will Scott
(Print Name)
Supervisor, Electric Grid Interconnection
(Title)
(Date)

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

AT&T
Albion Power Company

Alta Power Group, LLC
Anderson & Poole

Atlas ReFuel
BART

Barkovich & Yap, Inc.
Braun Blaising Smith Wynne, P.C.
California Community Choice Association
California Cotton Ginners & Growers Assn
California Energy Commission

California Hub for Energy Efficiency
Financing

California Alternative Energy and
Advanced Transportation Financing
Authority
California Public Utilities Commission
Calpine

Cameron-Daniel, P.C.
Casner, Steve
Center for Biological Diversity

Chevron Pipeline and Power
City of Palo Alto

City of San Jose
Clean Power Research
Coast Economic Consulting
Commercial Energy
Crossborder Energy
Crown Road Energy, LLC
Davis Wright Tremaine LLP
Day Carter Murphy

Dept of General Services
Don Pickett & Associates, Inc.
Douglass & Liddell
Downey Brand LLP
Dish Wireless L.L.C.

East Bay Community Energy Ellison
Schneider & Harris LLP

Electrical Power Systems, Inc.
Fresno
Engineers and Scientists of California

GenOn Energy, Inc.
Green Power Institute
Hanna & Morton
ICF

iCommLaw
International Power Technology
Intertie

Intestate Gas Services, Inc.

Johnston, Kevin
Kelly Group
Ken Bohn Consulting
Keyes & Fox LLP
Leviton Manufacturing Co., Inc.

Los Angeles County Integrated
Waste Management Task Force
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McClintock IP
McKenzie & Associates

Modesto Irrigation District
NRG Solar

OnGrid Solar
Pacific Gas and Electric Company
Peninsula Clean Energy

Pioneer Community Energy

Public Advocates Office

Redwood Coast Energy Authority
Regulatory & Cogeneration Service, Inc.

Resource Innovations

SCD Energy Solutions
San Diego Gas & Electric Company

SPURR

San Francisco Water Power and Sewer
Sempra Utilities

Sierra Telephone Company, Inc.
Southern California Edison Company
Southern California Gas Company
Spark Energy
Sun Light & Power
Sunshine Design
Stoel Rives LLP

Tecogen, Inc.
TerraVerde Renewable Partners
Tiger Natural Gas, Inc.

TransCanada
Utility Cost Management
Utility Power Solutions
Water and Energy Consulting Wellhead
Electric Company
Western Manufactured Housing
Communities Association (WMA)
Yep Energy