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

To: CPUC Energy Division ED Tariff Unit 505 Van Ness Avenue, 4<sup>th</sup> Floor San Francisco, California 94102

#### PROTEST OF ALLCO RENEWABLE ENERGY LIMITED OF ADVICE LETTER 4346-E FILED BY PACIFIC GAS AND ELECTRIC COMPANY (U39 E)

Allco Renewable Energy Limited ("Allco") submits this protest of Advice Letter 4336-E dated January 29, 2014 (the "Advice Letter"), filed by Pacific Gas and Electric Company ("PG&E"). The Advice Letter seeks to change the time of day ("TOD") factors for PG&E's Renewable Market Adjusting Tariff ("ReMAT") program. Allco is directly impacted by the new proposed TOD factors because it is developing projects in PG&E territory that would receive service under PG&E Section 399.20<sup>1</sup> tariff, which is currently the Re-MAT. For the reasons set forth below, the Commission should reject PG&E's proposed TOD changes, or in the alternative set the matter for a hearing.

### I. D. 13-11-024 DID NOT AUTHORIZE TH E CHANGE OF THE TOD FACTORS FOR THE RE-MAT TARIFF. (GENERAL ORDER 96-B, SEC. 7.4.2(2)).

In the Advice Letter, PG&E cites D.13-11-024's approval of certain TOD for purposes of PG&E's 2013 solicitation as justifying the change of TOD factors for the Re -MAT program.

<sup>&</sup>lt;sup>1</sup> All section references herein are to the California Public Utilities Code unless otherwise noted.

D.13-11-024 made it clear that the new TOD factors were approved solely for the 2013 solicitation and that no broader approval was provided. *See*, D.13-11-024 at p. 36 (stating "PG&E and SCE are authorized to use in their 2013 RPS solicitation two sets of TOD factors to reflect energy -only and fully deliverable status. . . . Changes to the TOD periods are also authorized. This authorization only applies to the 2013 RPS solicitation.")

The Re-MAT program is not part of the PG&E 2013 solicitation, which solicitation has closed.<sup>2</sup> As a result, the proposed TOD factor adjustments for the Re -MAT program were clearly not authorized by D.13 -11-024 and must be rejected, or, in the alternative, reviewed in the context of a separate hearing.

## II. THE TOD FACTORS VIOLATE THE PUBLIC UTILITY REGULATORY POLICIES ACT OF 1978 (PURPA"). (GENERAL ORDER 96-B, SEC. 7.4.2(2)).

In the case of a standard fixed tilt, solar project, the new TOD factors result in a solar project with deliverability receiving a lower PPA rate than an energy only solar project.

A production report for a standard fixed tilt solar project in PG&E territory is attached hereto. Table 1 below shows the comparison of the current and proposed TOD factors for a fixed tilt project.

<sup>&</sup>lt;sup>2</sup> See, PG&E 2013 Solicitation Protocol available at

 $http://www.pge.com/includes/docs/pdfs/b2b/wholesaleelectricsuppliersolicitation/RPS/2013/2013\_Solicitation\_Protocol\_12162013.pdf$ 

TABLE 1							
PG&E Re-MAT Energy Pro	duction and	TOD calcula	tor				
CURRENT TOD FACTORS							
Energy Only				Energy and Deliverability			1944 millioner - 1947 million - 1947
Production Results (kWh)	Super Peak	<u>Shoulder</u>	<u>Night</u>	Production Results (kWh)	Super Peak	<u>Shoulder</u>	<u>Night</u>
July-Sep	774,010	1,419,206	1,520	July-Sep	774,010	1,419,206	1,520
Oct - March	1,100,670	1,504,512	-	Oct - March	1,100,670	1,504,512	-
April-June	779,767	1,452,783	4,033	April-June	779,767	1,452,783	4,033
Total Generation	2,654,448	4,376,501	5,553	Total Generation	2,654,448	4,376,501	5 <i>,</i> 553
Unweighted Production	7,036,501			Unweighted Production 7,036,501			
Weighted Production	6,323,646			Weighted Production	7,531,555		
TOD Factor	-10.1%			TOD Factor			-
Super Peak = Hours Ending	g 13-20, Moi	n-Fri (Except	NERC holi	days)			
Shoulder = Hours Ending 7	7-12, 21 and	22, Mon-Fri (	except NE	RC holidays) and 7-22 Sat-S	un and all NE	RC holidays	
Night = Hours Ending 1-6,	23-24 all day	ys including N	IERC holid	ays			
Proposed TOD factors							
Production Results (kWh)	<u>Peak</u>	<u>Shoulder</u>	<u>Night</u>	Production Results (kWh)	<u>Peak</u>	<u>Shoulder</u>	<u>Night</u>
July-Sep	334,917	1,858,299	1,520	July-Sep 334,917		1,858,299	1,520
Oct - March	469,636	2,135,546	-	Oct - March 469,636		2,135,546	-
April-June	357,650	1,874,900	4,033	April-June 357,650		1,874,900	4,033
Total Generation	1,162,203	5 <i>,</i> 868,745	5,553	Total Generation	1,162,203	5,868,745	5,553
Unweighted Production	7,036,501			Unweighted Production 7,036,			
Weighted Production	6,140,285			Weighted Production	6,128,830		
TOD Factor	-12.7%			TOD Factor	-12.9%		
Peak = Hours Ending 16-22	L						
Shoulder = Hours Ending 7	<b>'-15</b>						
Night = Hours Ending 1-6,	22-24						
Decrease in PPA rate from proposed change							
IN TOD factor	-2.6%				-19.9%		

With the new TOD factors, the net adjustment to the base Re -MAT rate  $^3$  would be -12.7% for an energy only project and -12.9% for a project with deliverability . Such a r esult clearly violates PURPA. A qualifying facility has the option to sell energy only *or* energy and capacity. It may choose to sell energy only to PG&E and retain the capacity to sell separately.

<sup>&</sup>lt;sup>3</sup> The base Re-MAT rate was determined based upon results of the 2011 Renewable Auction Mechanism, which did not require projects to have full deliverability. Therefore if the \$89.23 Re-MAT initial post-TOD rate was based upon energy only projects and was determined to be "avoided costs", then an energy only Re-MAT fixed tilt solar project would have been paid 10.1% less than avoided costs at the commencement of the program.

The new TOD factors place a negative value on ca pacity, which is absurd. At worst , capacity would have a zero value, and it would only have a zero value if PG&E 's integrated resources plan provided for no need during the next 20 years for capacity based upon its own generating resources and existing contracts.

### III. THE NEW TOD FACTORS ARE UNJUST A ND UNREASONABLE . (GENERAL ORDER 96-B, SEC. 7.4.2(6)).

Section 451 provides that all rules made by PG&E affecting or pertaining to its service

shall be just and reasonable. In addition, Section 761 provides:

Whenever the commission, after a hearing, finds that the rules, practices, ... or service of any public utility. . . are unjust [or] unreasonable ..., the commission shall determine and, by order or rule, fix the rules, practices, ... service, or methods to be observed, ... enforced, or employed.

Here PG&E new TOD factors would violate that requirement by providing an

unreasonably low PPA rate under its Section 399.20 tariff the proposed change.

In addition, it would be unjust and unreasonable for any new TOD factors to apply to any

Re-MAT project that has already submitted a PPR. Developers have relied on the fact that there

should be no adverse changes from the tariff when service was requested and their PPR fee paid.

### IV. THE NEW PPA RATE USING THE NEW TOD FACTORS DO NO T REFLECT PG&E'S AVOIDED COSTS. (GENERAL ORDER 96-B, SEC. 7.4.2(2) AND 7.4.2(3)).

The new TOD factors result in a substantial change for a solar project. Under the current TOD factors, standard fixed tilt, solar project would have a TOD adjustment as against the base Re-MAT rate of approximately -10.1% for an energy only project and + 7.0% for a project with deliverability. Under the new TOD factors, the net adjustment would be approximately -12.7% for an energy only project and -12.9% for a project with deli verability. PG&E offers no evidence that the new TOD factors properly represent PG&E 's avoided costs under PURPA. Nor has there been any review by the Commission as to whether the PPA rates that would result

from the new TOD rates are representative of PG&E's avoided costs.

# V. NO FURTHER PRICE EROS ION UNDER RE-MAT SHOULD BE PERMITTED UNTIL THE VALUE OF LOCATIONAL ADDERS IS PROPERLY ADDRESSE D. (GENERAL ORDER 96-B, SEC. 7.4.2(2) AND 7.4.2(3)).

In D.13-05-034 the Commission stated:

Regarding locational adders, the Commission is working toward developing a methodology to value avoided transmission and distribution costs, if possible. The Commission's Energy Division held a workshop in R.11-05-005 related to this topic on January 31, 2013 and will continue to work on this matter. More information on this topic will be provided later in the proceeding.

It would be unjust and unreasonable to allow further price degradation for the Re-MAT

program based upon TOD factors when the value of locational adders has not yet been adopted.

### VI. THE NEW PPA RATE USING THE NEW TOD FACTORS DO NO T COMPORT WITH SECTION 399.20(D)(4). (GENERAL ORDER 96-B, SEC. 7.4.2(2) AND 7.4.2(3)).

Under the current TOD factors, a standard fixed tilt, solar project would have a TOD

adjustment as against the base Re-MAT rate of approximately -10.1% for an energy only project

and +7.0% for a project with deliver ability. Under the new TOD factors, the net adjustment

would be -12.7% for an energy only project and -12.9% for a project with deliverability. PG&E

offers no evidence that the new TOD factors will result in a PPA rate that satisfies the ratepayer

indifference requirement of Section 399.20(d)(4). Nor has there been any review by the

Commission as to whether the PPA rates that woul d result from the new TOD rate s satisfy the

ratepayer indifference requirement of Section 399.20(d)(4).

# VII. THE CHANGE OF TOD FACTORS FOR THE RE-MAT IS INAPPROPRIATE FOR THE ADVICE LETTER PROCESS AND RE QUIRES A FORMAL HEAR ING. (GENERAL ORDER 96-B, SEC. 7.4.2(5)).

The new TOD factors result in a substantial change for a Re-MAT solar project—almost a 20% drop for a fixed-tilt solar project with deliverability. With the necessity that any resulting PPA rate satisfies the requirements of PURPA and Section 399.20, and be just and reasonable, the Advice Letter process is inappropriate. Rather the TOD factors and the r esulting PPA rate require a formal hearing. An evidentiary hearing is needed in order to determine the appropriate TOD factors from proje cts that qualify for the Re -MAT, and whether the resulting PP A rate satisfies the requirements of PURPA, Section 399.20, and is just and reasonable.

#### VIII. PG&E HAS NOT STATED WHETH ER THEY HAVE PROVIDED NOTICE TO ALL AFFECTED CUSTOMERS . (GENERAL ORDER 96-B, SEC. 7.4.2(1)).

The Commission's policy as stated in General Order 96 -B, § 4.1, is that all interested persons have the opportunity to receive notice of advice letter filings. In addition, General Order 96-B, § 4.2, requires that a utility give affected customers at least 30 days' prior notice before the effective date of any advice letter requesting more restrictive terms. Each of the entities that submitted PP Rs under the Re -MAT to PG&E and paid the required fee are customers and interested persons entitled to 30 days' advance notice. There is no evidence that such customers and interested persons received such notice.

#### IX. SERVICE.

Service of notices, orders, and other communications and correspondence related to this protest should be directed to the following:

Thomas Melone President Allco Renewable Energy Limited 14 Wall Street, 20<sup>th</sup> floor New York, NY 10005 Phone: (212) 681-1120 Email: <u>Thomas.Melone@AllcoUS.com</u>

A copy of this protest has been sent to PG&E on this date, February 14, 2014.

#### X. CONCLUSION.

For the reasons stated above, the new TOD rates have not been approved by the

Commission, and should not be approved without substantial evidence after a hearing that the

new TOD factors are just and reasonable and comport with PURPA and Section 399.20. No such evidence has been presented. As a result there is no basis on which the Commission could reasonably approve the new TOD factors. Accordingly, the new TOD factors should be rejected.

Respectfully submitted,

/s/Thomas Melone Thomas Melone President Allco Renewable Energy Limited 14 Wall Street, 20<sup>th</sup> floor New York, NY 10005 Phone: (212) 681-1120 Email: <u>Thomas.Melone@AllcoUS.com</u>

February 14, 2014

Copy to:

Brian K. Cherry Vice President, Regulatory Relations Pacific Gas and Electric Company 77 Beale Street, Mail Code B10C P.O. Box 770000 San Francisco, California 94177 Facsimile: (415) 973-7226 E-mail: PGETariffs@pge.com

Service list for R.11-05-005

#### VERIFICATION

I, Thomas Melone, am the President of Allco Renewable Energy Limited and am authorized to make this verification on its behalf. I have read the foregoing *PROTEST OF ALLCO RENEWABLE ENERGY LIMITED OF ADVICE LETTER 4346 -E FILED BY PACIFIC GAS AND ELECTRIC COMPANY (U39 E)*. The statements in the foregoing document are true based upon my knowledge. I declare under penalty of perjury that the foregoing is true and correct. Executed this 14th day of February 2014 at New York, NY.

/s/ Thomas Melone

Thomas Melone President Allco Renewable Energy Limited 14 Wall Street, 20<sup>th</sup> floor New York, NY 10005 Phone: (212) 681-1120



ENERGY ENERGY									
Grid-Connected System: Simulation parameters									
Project :	Merced Solar								
Geographical Site	Merced/m	acready Fld Country		USA					
Situation Time defined as	Latitude Legal Time Albedo	37.3°N Time zone UT-8 0.20	Longitude Altitude	120.5°W 47 m					
Meteo data :	Meteo data : Merced/macready Fld, NREL TMY3								
Simulation variant : Merced Solar									
	Simulation date	01/02/14 11h52							
Simulation parameters									
Collector Plane Orientation	Tilt	30°	Azimuth	0°					
Horizon	Free Horizon								
Near Shadings	No Shadings								
PV Array Characteristics									
PV module	Si-poly Model	TSM-300 P14A							
Number of PV modules Total number of PV modules Array global power Array operating characteristics Total area	Manufacturer In series Nb. modules Nominal (STC) s (50°C) U mpp Module area	Trina Solar 19 modules 14250 <b>4275 kWp</b> 665 ∨ <b>27650 m</b> ²	In parallel Unit Nom. Power At operating cond. I mpp	750 strings 300 Wp 4091 kWp (36°C) 6155 A					
Inverter	Model Sunny Tripower 24000TL-US-10								
Characteristics Inverter pack	Manufacturer Operating Voltage Number of Inverter	SMA 150-1000 V 125 units	Unit Nom. Power Total Power	24.0 kW AC 3000.0 kW AC					
<b>PV Array loss factors</b> Thermal Loss factor => Nominal Oper. Coll. Ter	Uc (const) ۳p. (G=800 W/m², Tamb=20°	26.7 W/m²K C, Wind=1 m/s.)	Uv (wind) NOCT	0.0 W/m²K / m/s 47 °C					
Wiring Ohmic Loss	Global array res.	1.2 mOhm	Loss Fraction	1.1 % at STC					
Array Soiling Losses Module Quality Loss Module Mismatch Losses Incidence effect, ASHRAE par	rametrization IAM =	1 - bo (1/cos i - 1	Loss Fraction Loss Fraction Loss Fraction I) bo Parameter	3.0 % 0.1 % 2.0 % at MPP 0.05					
System loss factors									
External transformer	Iron loss (Night disconnect) Resistive/Inductive losses	0 W 0.5 mOhm	Loss Fraction Loss Fraction	0.0 % at STC 1.0 % at STC					
User's needs :	Unlimited load (grid)								



GlobHor Legends: T Amb GlobInc

GlobEff

Year

Horizontal global irradiation Ambient Temperature Global incident in coll. plane Effective Global, corr. for IAM and shadings

16 85

2060 1

2002.9

1874 8

EArray E Grid EffArrR EffSysR

Effective energy at the output of the array Energy injected into grid Effic. Eout array / rough area Effic. Eout system / rough area

12.65

12.35

7036 2



PVSYST V5.72

