

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

Order Instituting Rulemaking to Continue  
Implementation and Administration of  
California Renewables Portfolio Standard  
Program.

Rulemaking 11-05-005  
(Filed May 5, 2011)

**CALPINE POWERAMERICA-CA, LLC's  
PROPOSED 2012 RENEWABLES PORTFOLIO  
STANDARD PROCUREMENT PLAN**

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May 23, 2012

Attorneys for Calpine PowerAmerica-CA, LLC

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**I. INTRODUCTION**

Pursuant to the procedural schedule set forth in the April 5, 2012 Assigned Commissioner's Ruling,<sup>1</sup> Calpine PowerAmerica-CA, LLC ("CPA") submits this proposed 2012 Renewables Portfolio Standard ("RPS") Procurement Plan.<sup>2</sup>

**II. ASSESSMENT OF RPS PORTFOLIO SUPPLIES AND DEMAND  
(§ 399.13(A)(5)(A))**

CPA has developed a 10-year supply/demand forecast to identify its expected RPS compliance obligations and net RPS procurement requirements going forward.<sup>3</sup> CPA serves a single customer and its forward demand forecast is based on its customer's historical load growth.

The forecast also identifies expected long-term contracting requirements and addresses optimal procurement for each of the three RPS content categories.

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<sup>1</sup> *Assigned Commissioner's Ruling Identifying Issues and Schedule for Review of 2012 Renewables Portfolio Standard Procurement Plans Pursuant to Public Utilities Code Sections 399.11 et seq. and Requesting Comments on New Proposals* (R.11-05-005) at 30 (Ruling Paragraph 4).

<sup>2</sup> CPA is concurrently filing a Motion for Leave to File its Confidential Proposed 2012 Renewables Portfolio Procurement Plan Under Seal, which requests a Commission order granting leave to file the confidential version of Appendix A of CPA's Proposed 2012 Renewables Portfolio Procurement Plan under seal.

<sup>3</sup> Note: CPA's existing customer contract does not extend through the entire 10 year forecast period. Accordingly, unless the customer contract is renewed/extended, or CPA obtains a new retail customer (or customers), CPA will not provide retail service throughout the entire forecast period.

With respect to procurement within the three RPS content categories, CPA expects to procure up to the maximum limits for Content Category 2 and 3 resources. To the extent CPA is unable to procure sufficient amounts of Content Category 2 resources (either because of regulatory uncertainty related to the acceptable structure for such transactions or the lack of a market for Content Category 2 resources), CPA would procure additional Content Category 1 resources.

Historically, CPA has procured RPS eligible resources through bilateral transactions with eligible resources that are operational and delivering generation. CPA expects to utilize this same approach going forward.

With respect to specific deliverability characteristics, such as, peaking, dispatchable, baseload, firm, and as-available capacity, CPA meets its deliverability needs using CAISO imbalance mechanisms.

Attached at Appendix A is CPA's quantitative analysis supporting the above assessment.

### **III. POTENTIAL COMPLIANCE DELAYS (§ 399.13(A)(5)(B))**

CPA does not currently forecast any potential issues related to the lack of transmission capacity and/or project development delays that would delay RPS compliance. To mitigate potential delays in RPS compliance, CPA does not expect to execute any contracts with RPS eligible renewable resources that are not yet delivering generation.

### **IV. PROJECT DEVELOPMENT STATUS UPDATE (§ 399.13(A)(5)(D))**

CPA does not expect to execute any contracts with RPS eligible renewable resources that are not yet delivering generation.

**V. RISK ASSESSMENT (§ 399.13(A)(5)(F))**

As discussed above in Sections III and IV, to mitigate risks associated with “failure to build” and construction delays, CPA does not expect to execute contracts with RPS eligible resources that are not fully operational with sufficient transmission to the grid.

**VI. QUANTITATIVE INFORMATION (§ 399.13(A)(5)(A), (B), (D), AND (F))**

*See Appendix A.*

/s/ \_\_\_\_\_  
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# **Appendix A**

**Public Version**

**Calpine Power America - CA, LLC**

2012 RPS Procurement Plan

Procurement Targets	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Retail Sales (MW)					1,025,715	1,035,973	1,046,332	1,056,796	1,067,364	1,078,037	1,088,818	1,099,706
Total Procurement Target (% of Retail Sales)	20%	20%	20%	22%	23%	25%	27%	29%	31%	33%	33%	33%
Category 1 (% of Total Procurement Target)	50%	50%	50%	65%	65%	65%	75%	75%	75%	75%	75%	75%
Category 2 (% of Total Procurement Target)	25%	25%	25%	20%	20%	20%	15%	15%	15%	15%	15%	15%
Category 3 (% of Total Procurement Target)	25%	25%	25%	15%	15%	15%	10%	10%	10%	10%	10%	10%
Total Procurement Target (MW)					238,992	258,993	282,510	306,471	330,883	355,752	359,310	362,903
Category 1 (MW)					155,345	168,346	211,882	229,853	248,162	266,814	269,482	272,177
Category 2 (MW)					47,798	51,799	42,376	45,971	49,632	53,363	53,896	54,435
Category 3 (MW)					35,849	38,849	28,251	30,647	33,088	35,575	35,931	36,290

Long Term Contracting Requirement	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Contracting Requirement (% of Retail Sales)	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
Contracting Requirement (MW)					2,564	2,590	2,616	2,642	2,668	2,695	2,722	2,749

Procurement Summary	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Carry Forwards (generated prior to 2011)	37,812	0	0	0	0	0	0	0	0	0	0	0
Carry Forwards Category 1 (MW)	37,812	0	0	0	0	0	0	0	0	0	0	0
Carry Forwards Category 2 (MW)	0	0	0	0	0	0	0	0	0	0	0	0
Carry Forwards Category 3 (MW)	0	0	0	0	0	0	0	0	0	0	0	0
Total Procurement (MW)	133,229	77,440	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Procurement Category 1 (MW)	83,229	77,440	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Procurement Category 2 (MW)	0	0	0	0	0	0	0	0	0	0	0	0
Procurement Category 3 (MW)	50,000	0	0	0	0	0	0	0	0	0	0	0
Total Applicable Procurement	171,041	77,440	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Net Position					-208,992	-228,993	-252,510	-276,471	-300,883	-325,752	-329,310	-332,903

<b>Procurement Summary By Compliance Period</b>	<b>Obligation</b>	<b>Purchases</b>	<b>Position</b>
Compliance Period 1 (2011 - 2013)	████████	278,481	████████
Compliance Period 2 (2014 - 2016)	████████	90,000	████████
Compliance Period 3 (2017 - 2020)	1,275,615	120,000	-1,155,615

**Calpine Power America - CA, LLC**

2012 RPS Procurement Plan

Category 1 Contracts	Long Term (Y/N)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
	Y	71,072	55,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
	N	12,157	22,440	0	0	0	0	0	0	0	0	0	0
<b>Total Category 1 Purchases</b>		<b>83,229</b>	<b>77,440</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>

Category 2 Contracts	Long Term (Y/N)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
		0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Category 2 Purchases</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Category 3 Contracts	Long Term (Y/N)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
	N	50,000	0	0	0	0	0	0	0	0	0	0	0
<b>Total Category 3 Purchases</b>		<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



## OFFICER VERIFICATION FORM

I am an officer of the reporting corporation herein, and am authorized to make this verification on its behalf. The statements in the foregoing document are true of my own knowledge, except as to matters which are therein stated on information or belief, and as to those matters I believe them to be true.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on May 23, 2012 at Dublin, CA.



Alexandre B. Makler - Vice President