



The Padilla Report to the Legislature

Reporting 2014 Renewable Procurement Costs in
Compliance with Senate Bill 836 (Padilla, 2011)

May 2015



ABOUT THIS REPORT

Senate Bill 836 (Public Utilities Code § 911) requires the California Public Utilities Commission (“CPUC” or “Commission”) to report to the Legislature “the costs of all electricity procurement contracts for eligible renewable energy resources, including unbundled renewable energy credits, and all costs for utility-owned generation approved by the Commission. On February 14, 2014, the Energy Division released the third report on investor-owned utility (IOU) cost information for reporting year 2013. This report contains the IOU renewable procurement cost information for 2014.

I. EXECUTIVE SUMMARY

2014 PADILLA REPORT INFORMATION

- This report presents historical data on cost trends for calendar year 2014.
- The weighted average time-of-delivery (TOD) adjusted¹ contract price was approximately 7.4 cents/kilowatt hour (kWh) for all contracts approved in 2014.
- The average contract price for renewable portfolio standard (RPS) contracts in 2014 is lower than the average price of RPS contract that were approved in 2013; 7.4 cents/kWh in 2014 versus 8.4 cents/kWh in 2013.
- Contract prices for 2014 have declined relative to contract prices in prior years (2003-2013). The downward trending prices indicate that the renewable market in California is robust and competitive, and has matured since the start of the RPS program.
- The weighted average TOD-adjusted RPS procurement expenditure for 2014 was approximately 10.0 cents/kWh for RPS procurement from all RPS contracts, including contracts for unbundled renewable energy credits (RECs) only.
- The weighted average TOD-adjusted RPS procurement expenditure for 2014 was approximately 10.3 cents /kWh for RPS procurement from RPS contracts that purchased bundled (RECs and RPS electricity) RPS products.

¹ Actual renewable energy payments are based on the contract price multiplied by the IOU Time-of-Delivery (TOD) factors according to when the RPS facility actually generates electricity. TOD-adjustments effectively allocate higher costs to power supplied during on-peak hours and lower costs to power supplied during the off-peak hours.

- As forecasted in prior reports, RPS procurement expenditures for bundled products in 2014 are higher than RPS procurement expenditures for bundled products in 2013; 10.3 cents/kWh in 2014 versus 9.2 cents/kWh in 2013.

FORECASTED 2013 PADILLA REPORT COSTS ARE UPDATED WITH ACTUAL COSTS

- Due to the report deadline of the 2013 Padilla Report, the utility self-reported data used in the 2013 Padilla Report contained some forecasted cost information for September – December 2013. Energy Division staff have revised the information from the 2013 Padilla Report to reflect the actual procurement expenditures for 2013.
- After using final meter settlement data, the 2013 weighted average TOD-adjusted RPS procurement expenditures from 2013 increased slightly from 8.9 cents/kWh in the original 2013 Padilla report to approximately 9.1 cents/kWh in this report.

II. 2014 PADILLA REPORT INFORMATION

Tables A-1 and A-2 in Attachment A present the 2014 weighted average TOD-adjusted RPS procurement expenditures in 2014. Specifically, Table A-1 includes all procurement expenditure information for all RPS eligible projects, including contracts for the procurement of only renewable energy credits, or REC-only, transactions for 2014. In contrast, Table A-2 presents the same procurement expenditure information as Table A-1, but for bundled energy projects only (contracts that only provide RECs are not included). Pursuant to confidentiality rules in Public Utilities (Pub. Util.) Code § 911 and D.06-06-066, some of the costs in Attachment A have been redacted.

Tables B-1 in Attachment B present the 2014 weighted average TOD-adjusted contract price of RPS contracts approved by the CPUC in 2014. Specifically, Table B-1 includes all contract price information for all RPS eligible projects for 2014.² Pursuant to confidentiality rules in Public Utilities (Pub. Util.) Code § 911 and D.06-06-066, some of the costs in Attachment B have been redacted.

Figure 1 on the next page illustrates the annual weighted average TOD-adjusted RPS procurement expenditure for bundled renewable energy in real dollars³ per kilowatt hours (\$/kWh) for each of the investor-owned utilities (IOUs): Pacific Gas and Electric (PG&E), Southern California Edison (SCE), and San Diego Gas & Electric (SDG&E). Figure 2 presents the same procurement expenditure information as Figure 1, but in nominal dollars per kilowatt hours (\$/kWh).

The key factor driving the cost differences between the utilities is the resource mix of RPS-eligible resources within an IOU's portfolio and the vintage of the IOU's RPS contracts. It is important to note that the resource mix will change over time as renewable prices and IOUs' RPS portfolios change over time.

The increase in 2014 procurement expenditures is attributed to 120 additional projects achieving commercial operation, with a weighted average price of 14.4 cents per kWh. These 120 projects accounted for approximately 14.2% of the total RPS generation in 2014. The contracts for the projects that came online in 2014 were primarily executed between 2009 and 2012 and; as noted above, prices for contracts approved in 2014 are declining relative to contracts executed in earlier years (on a nominal basis).

² The CPUC did not approve any contracts for the procurement of only renewable energy credits, or REC-only transactions, in 2014.

³ The CPUC used the Handy-Whitman Index of Public Utility Construction Costs (Other Production Plant - Pacific region) to calculate the real dollar amounts for year 2014.

Figure 1. Weighted Average TOD-Adjusted RPS Procurement Expenditures of Bundled Renewable Energy by Year in Real Dollars (2003 – 2014) ⁴

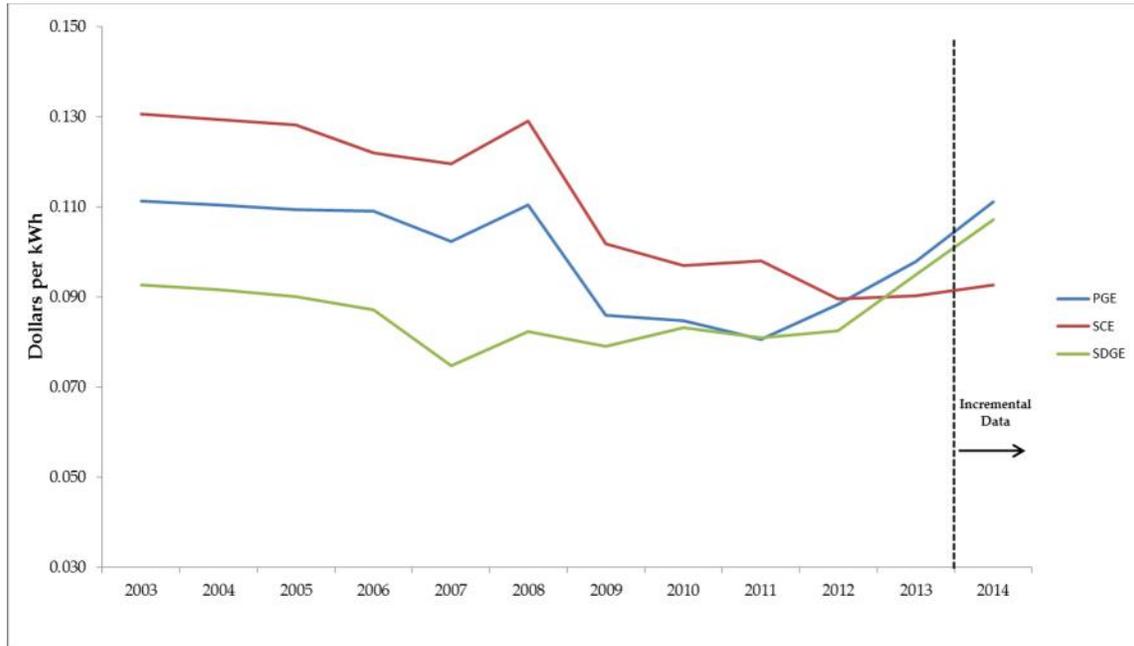
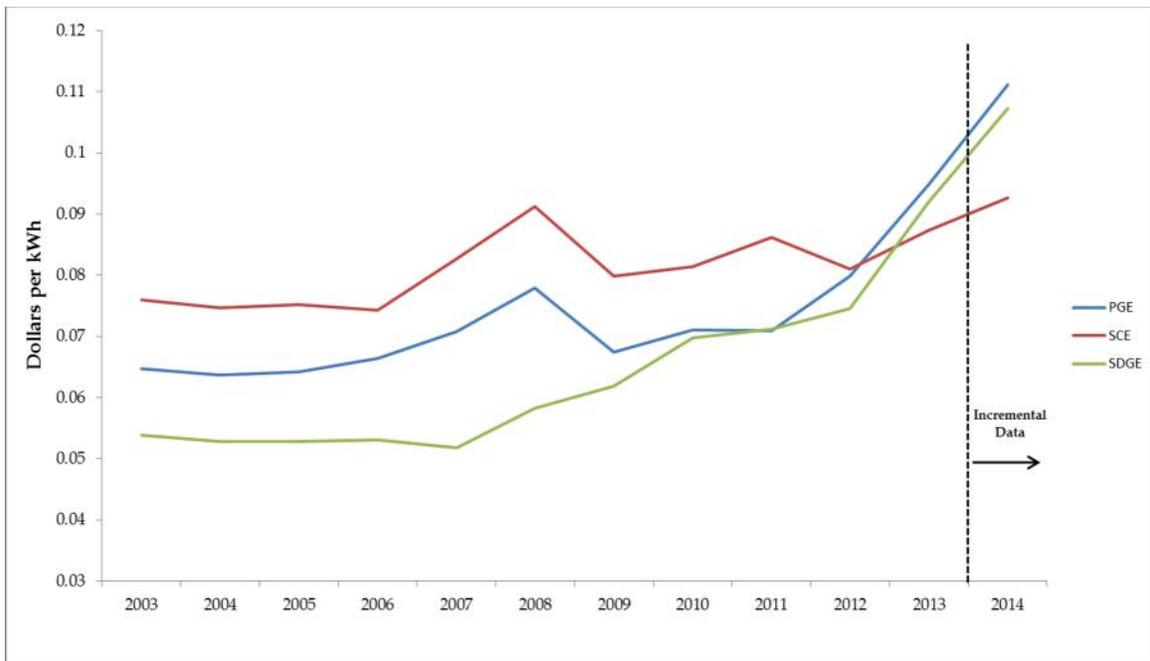


Figure 2. Weighted Average TOD-Adjusted RPS Procurement Expenditures of Bundled Renewable Energy by Year in Nominal Dollars (2003 – 2014)



⁴ The CPUC used the Handy-Whitman Index of Public Utility Construction Costs (Other Production Plant - Pacific region) to calculate the real dollar amounts for year 2014.

From 2003 to 2014, the average TOD-adjusted price of contracts approved by the CPUC has increased from 5.4 cents to 7.4 cents/kWh in nominal dollars, and decreased from 9.2 cents to 7.4 cents/kWh in real dollars.⁵ One reason for this increase in nominal pricing is that the IOUs contracted with existing renewable facilities at the beginning of the RPS program and with mostly new facilities in more recent years in order to meet the 20% and 33% RPS targets. These new facilities typically result in higher contract costs in order to recover the capital needed to develop new facilities. Having said that, the decrease in RPS contract prices in terms of real dollars indicates that the renewable market in California is robust and competitive and has matured since the start of the RPS program.

RPS contract prices approved by the CPUC in 2014 are lower than the nominal prices of contracts approved in 2013 (7.4 in 2014 versus 8.1 cents in 2013). The lower contract prices are a result of projects selected from RPS solicitations in years 2012 and 2013, which reflect declining contract prices for renewable resources, on average.

⁵ The CPUC used the Handy- Whitman Index of Public Utility Construction Costs (Other Production Plant - Pacific region) to calculate the real dollar amounts for year 2014.

III. FORECASTED 2013 PADILLA REPORT EXPENDITURES ARE UPDATED WITH ACTUAL EXPENDITURES

On February 14, 2014, the Energy Division released IOU expenditure information for the 2013 reporting year, however, the utilities had not yet finalized meter settlement data for 2013 because of the reporting deadlines under PU Code § 911. Consequently, the utilities were not able to provide actual procurement expenditures.

Therefore, Energy Division staff requested the final procurement expenditures and contract pricing information for reporting year 2013 and have re-calculated weighted average \$/kWh prices and expenditures from the prior report.

After using final meter settlement data, the 2013 weighted average TOD-adjusted RPS procurement expenditures from 2013 increased slightly from 8.9 cents/kWh in the original 2013 Padilla report to approximately 9.1 cents/kWh in this report.

ATTACHMENT A

INVESTOR-OWNED UTILITY RPS PROCUREMENT EXPENDITURES PER SENATE BILL 836 (PUBLIC UTILITIES CODE § 911)

REPORTING YEAR 2014

Tables A-1 and A-2 attached to this document show for each investor-owned utility (IOU) the weighted average TOD-adjusted RPS procurement expenditures for 2014. Per the confidentiality requirements in Public Utilities Code § 911, some of the data within this report is redacted. In addition:

- All procurement expenditure figures have been adjusted by time-of-delivery (TOD) factors since generators are paid based on the time that the facility delivers electricity, according to each IOU's TOD factors. For example, TOD-factors place a premium on generation that occurs during peak demand hours. Therefore, generators that provide electricity during peak hours when electricity is more valuable receive a higher payment for electricity during that time period based on the TOD adjustment.
- The "Average RPS Procurement Expenditures" represent the total weighted average payments made to renewable generators for that year.
- Procurement expenditures represent weighted averages on a per kilowatt hours basis. All figures are in nominal dollars.
- SDG&E was not able to provide final generation and procurement expenditure figures for their UOG solar PV program. Consequently, the figures in the following tables that related to SDG&E UOG solar PV were calculated using SDG&E's best forecasts of generation and procurement expenditures.

Table A-1. Weighted Average TOD-Adjusted RPS Procurement Expenditures (All Projects – Including REC-only transactions) for 2014 (\$/kWh)

	PG&E	SCE	SDG&E	Total
Biogas				
0-3 MW	0.1132		0.1076	0.1093
+3-20 MW	0.0933	Only 1 Contract	0.0696	0.0794
Biogas Total	0.0988	Only 1 Contract	0.0846	0.0899
Biomass				
0-3 MW	0.0080	0.0757		0.0287
+3-20 MW	0.0872	Only 2 Contracts	Only 1 Contract	0.0882
+20-50 MW	0.1019	Only 1 Contract	Only 1 Contract	0.0967
+50-200 MW	Only 1 Contract			Only 1 Contract
Biomass Total	0.0956	0.0732	Only 2 Contracts	0.0926
Geothermal				
0-3 MW	Only 2 Contracts			Only 2 Contracts
+3-20 MW	0.0976	0.0886	Only 1 Contract	0.0969
+20-50 MW		0.0740		0.0740
+50-200 MW	Only 1 Contract	0.0749		0.0751
+200 MW	Only 1 Contract	Only 1 Contract		Only 2 Contracts
Geothermal Total	0.0836	0.0721	Only 1 Contract	0.0767
Small Hydro				
0-3 MW	0.0758	0.0344	Only 1 Contract	0.0693
+3-20 MW	0.0970	0.1038	Only 1 Contract	0.0936
+20-30 MW	0.1335			0.1335
Small Hydro Total	0.1114	0.0643	Only 2 Contracts	0.1067
Solar PV				
0-3 MW	0.1441	0.1444	Only 2 Contracts	0.1434
+3-20 MW	0.1531	0.1369	0.0849	0.1409
+20-50 MW	0.1474	Only 1 Contract	Only 2 Contracts	0.1421
+50-200 MW	0.1457	Only 1 Contract	0.1197	0.1262
+200 MW	0.1548	0.0980		0.1400
Solar PV Total	0.1526	0.1101	0.1199	0.1358
Solar Thermal				
+3-20 MW		Only 1 Contract		Only 1 Contract
+20-50 MW		0.1381		0.1381
+50-200 MW	Only 2 Contracts	0.1571		0.1588
+200 MW	Only 2 Contracts			Only 2 Contracts
Solar Thermal Total	0.1978	0.1490		0.1753
Wind				
0-3 MW	0.0371	Only 2 Contracts		0.0372
+3-20 MW	0.0628	0.0653	0.0724	0.0650
+20-50 MW	0.0776	0.0734	Only 1 Contract	0.0733
+50-200 MW	0.0953	0.1082	0.0590	0.0932
+200 MW		0.1104	Only 1 Contract	0.1094
Wind Total	0.0816	0.1010	0.0689	0.0887
UOG Small Hydro				
0-3 MW		0.1652		0.1652
+3-20 MW	0.0516	0.1441		0.0660
UOG Small Hydro Total	0.0516	0.1470		0.0683
UOG Solar PV				
0-3 MW	0.3178	0.0435	0.5018	0.0941
+3-20 MW	0.1584	0.0488		0.1434
UOG Solar PV	0.1605	0.0464	0.5018	0.1374
Total	0.1071	0.0926	0.0939	0.0996

Table A-2. Weighted Average TOD-Adjusted RPS Procurement Expenditures (Bundled Energy Only) for 2014 (\$/kWh)

	PG&E	SCE	SDG&E	Total
Biogas				
0-3 MW	0.1132		0.1076	0.1093
+3-20 MW	0.0933	Only 1 Contract	0.0696	0.0794
Biogas Total	0.0988	Only 1 Contract	0.0846	0.0899
Biomass				
0-3 MW	Only 2 Contracts	0.0757		0.0757
+3-20 MW	0.0872	Only 2 Contracts	Only 1 Contract	0.0882
+20-50 MW	0.1019	Only 1 Contract	Only 1 Contract	0.0967
+50-200 MW	Only 1 Contract			Only 1 Contract
Biomass Total	0.0983	0.0732	Only 2 Contracts	0.0948
Geothermal				
0-3 MW	Only 2 Contracts			Only 2 Contracts
+3-20 MW	0.0976	0.0886	Only 1 Contract	0.0969
+20-50 MW	Only 1 Contract	0.0740		0.0745
+50-200 MW		0.0749		0.0749
+200 MW	Only 1 Contract	Only 1 Contract		Only 2 Contracts
Geothermal Total	0.0836	0.0721	Only 1 Contract	0.0767
Small Hydro				
0-3 MW	0.0758	0.0344	Only 1 Contract	0.0693
+3-20 MW	0.0970	0.1038	Only 1 Contract	0.0936
+20-30 MW	0.1335			0.1335
Small Hydro Total	0.1114	0.0643	Only 2 Contracts	0.1067
Solar PV				
0-3 MW	0.1441	0.1444	Only 2 Contracts	0.1434
+3-20 MW	0.1531	0.1369	0.0849	0.1409
+20-50 MW	0.1474	Only 1 Contract	Only 2 Contracts	0.1421
+50-200 MW	0.1457	Only 1 Contract	0.1197	0.1262
+200 MW	0.1548	0.0980		0.1400
Solar PV Total	0.1526	0.1101	0.1199	0.1358
Solar Thermal				
+3-20 MW		Only 1 Contract		Only 1 Contract
+20-50 MW		0.1381		0.1381
+50-200 MW	Only 2 Contracts	0.1571		0.1588
+200 MW	Only 2 Contracts			Only 2 Contracts
Solar Thermal Total	0.1978	0.1490		0.1753
Wind				
0-3 MW	0.0679	Only 2 Contracts		0.0581
+3-20 MW	0.0628	0.0653	0.0724	0.0650
+20-50 MW	0.0776	0.0734	Only 1 Contract	0.0733
+50-200 MW	0.0953	0.1082	0.0883	0.1005
+200 MW		0.1104	Only 1 Contract	0.1094
Wind Total	0.0921	0.1010	0.0925	0.0971
UOG Small Hydro				
0-3 MW		0.1652		0.1652
+3-20 MW	0.0516	0.1441		0.0660
UOG Small Hydro Total	0.0516	0.1470		0.0683
UOG Solar PV				
0-3 MW	0.3178	0.0435	0.5018	0.0941
+3-20 MW	0.1584	0.0488		0.1434
UOG Solar PV	0.1605	0.0464	0.5018	0.1374
Total	0.1112	0.0926	0.1072	0.1030

ATTACHMENT B

CONTRACT PRICE DATA PER SENATE BILL 836 (PUBLIC UTILITIES CODE § 911)

REPORTING YEAR 2014

Table B-1 attached to this document shows the weighted average TOD-adjusted contract price of all RPS contracts approved by the CPUC during 2014 for each investor-owned utility (IOU). Per the confidentiality requirements in Public Utilities Code § 911, some of the data within this report is redacted. In addition:

- Contract prices were redacted if a) the power purchase agreement (PPA) is not already public on the CPUC's website per the CPUC's confidentiality rules, and b) there were less than three facilities in each category. If there was only one facility in a category and its PPA is publicly available on the CPUC's website, then the price information for that facility is reported. In addition, all qualifying facility (QF) contracts that do not require CPUC approval, feed-in tariff contracts, contracts with municipal governments, and utility-owned generation (UOG) costs are public and reported.
- Contract prices represent weighted averages on a per kilowatt hours basis. All figures are in nominal dollars.
- All contract price figures have been adjusted by time-of-delivery (TOD) factors since generators are paid based on the time that the facility delivers electricity, according to each IOU's TOD factors. For example, IOU TOD-factors place a premium on generation that occurs during peak demand hours. Therefore, generators that provide electricity during peak hours when electricity is more valuable receive a higher payment for electricity during that time period based on the TOD adjustment.
- The "Average Price of Contracts Approved" includes all CPUC approved contracts except contracts that were subsequently terminated.

Table B-1. Weighted Average TOD-Adjusted Price of All Renewable Energy Contracts Approved (All Projects – Including REC-only transactions) for 2014 (\$/kWh)

	PG&E	SCE	Total
Biomass			
+50-200 MW	Only 1 Contract		Only 1 Contract
Biomass Total	Only 1 Contract		Only 1 Contract
Small hydro			
0-3 MW		Only 1 Contract	Only 1 Contract
+3-20 MW	Only 1 Contract		Only 1 Contract
Small Hydro Total	Only 1 Contract	Only 1 Contract	Only 2 Contracts
Solar PV			
0-3 MW		0.1330	0.1330
+3-20 MW	0.0706	Only 2 Contracts	0.0705
Solar PV Total	0.0706	0.1024	0.0722
Wind			
+3-20 MW	0.0618		0.0618
Wind Total	0.0618		0.0618
Grand Total	0.0733	0.1022	0.0743

ATTACHMENT C

INVESTOR-OWNED UTILITY RPS PROCUREMENT EXPENDITURES PER SENATE BILL 836 (PUBLIC UTILITIES CODE § 911)

REVISED REPORTING YEAR 2013

Tables C-1 through C-2 attached to this document show for each investor-owned utility (IOU) the weighted average TOD-adjusted RPS procurement expenditures for 2013. Per the confidentiality requirements in Public Utilities Code § 911, some of the data within this report is redacted. In addition:

- All procurement expenditure figures have been adjusted by time-of-delivery (TOD) factors since generators are paid based on the time that the facility delivers electricity, according to each IOU's TOD factors. For example, IOU TOD-factors place a premium on generation that occurs during peak demand hours. Therefore, generators that provide electricity during peak hours when electricity is more valuable receive a higher payment for electricity during that time period based on the TOD adjustment.
- Due to the report deadline of the 2013 Padilla Report, the utility self-reported data used in the 2013 Padilla Report contained some forecasted cost information for September – December 2013. Energy Division staff have revised the information from the 2013 Padilla Report to reflect the actual procurement expenditures for 2013.
- Tables C-1 and C-2 compare RPS procurement expenditures calculated the 2013 Padilla Report with information calculated using the final meter settlement data. A column titled "Differential" subtracts the results from the final meter data from the results presented in last year's report. A positive number indicates that the final meter data is higher than the original information, while a negative number indicates that the final meter data is lower than the forecasted information in the 2013 report.

Table C-1. 2013 Weighted Average TOD-Adjusted RPS Procurement Expenditures (All Projects – Including REC-only transactions)

		PG&E			SCE			SDG&E			Total		
		Figures Reported in February 2014 Report	Updated Figures	Differential	Figures Reported in February 2014 Report	Updated Figures	Differential	Figures Reported in February 2014 Report	Updated Figures	Differential	Figures Reported in February 2014 Report	Updated Figures	Differential
Biogas													
	0-3 MW	0.0761	0.0763	0.0002	0.0872	0.0872	(0.0001)	0.0972	0.0972	0.0000	0.0893	0.0895	0.0002
	+3-20 MW	Only 2 Contracts	Only 2 Contracts	NA	0.0841	0.0850	0.0008	0.0652	0.0652	0.0000	0.0659	0.0661	0.0002
	+20-50 MW				Only 1 Contract	Only 1 Contract	NA				Only 1 Contract	Only 1 Contract	NA
Biogas Total		0.0594	0.0591	(0.0003)	0.0682	0.0683	0.0001	0.0793	0.0793	0.0000	0.0698	0.0698	0.0000
Biomass													
	0-3 MW	Only 2 Contracts	Only 2 Contracts	NA							Only 2 Contracts	Only 2 Contracts	NA
	+3-20 MW	0.0922	0.0918	(0.0003)				Only 1 Contract	Only 1 Contract	NA	0.0930	0.0926	(0.0003)
	+20-50 MW	0.1032	0.1019	(0.0013)				Only 1 Contract	Only 1 Contract	NA	0.1013	0.1002	(0.0011)
	+50-200 MW	Only 1 Contract	Only 1 Contract	NA							Only 1 Contract	Only 1 Contract	NA
Biomass Total		0.0973	0.0954	(0.0018)				Only 2 Contracts	Only 2 Contracts	NA	0.0967	0.0951	(0.0016)
Geothermal													
	0-3 MW	0.0498	0.0496	(0.0001)							0.0498	0.0496	(0.0001)
	+3-20 MW	Only 2 Contracts	Only 2 Contracts	NA	0.0781	0.0774	(0.0008)				0.0811	0.0862	0.0051
	+20-50 MW	Only 1 Contract	Only 1 Contract	NA	0.0701	0.0699	(0.0002)	Only 2 Contracts	Only 2 Contracts	NA	0.0760	0.0715	(0.0045)
	+50-200 MW	Only 1 Contract	Only 1 Contract	NA	0.0715	0.0714	(0.0001)				0.0676	0.0697	0.0021
	+200 MW	Only 1 Contract	Only 1 Contract	NA	Only 1 Contract	Only 1 Contract	NA				Only 2 Contracts	Only 2 Contracts	NA
Geothermal Total		0.0719	0.0772	0.0052	0.0675	0.0676	0.0000	Only 2 Contracts	Only 2 Contracts	NA	0.0703	0.0713	0.0010
Small Hydro													
	0-3 MW	0.0714	0.0711	(0.0003)	0.0831	0.0833	0.0002	Only 1 Contract	Only 1 Contract	NA	0.0752	0.0752	0.0000
	+3-20 MW	0.0694	0.0711	0.0016	0.0888	0.0902	0.0014	Only 1 Contract	Only 1 Contract	NA	0.0719	0.0734	0.0015
	+20-50 MW	0.1002	0.1065	0.0063	Only 1 Contract	Only 1 Contract	NA				0.1005	0.1063	0.0059
Small Hydro Total		0.0872	0.0908	0.0037	0.0891	0.0898	0.0006	Only 2 Contracts	Only 2 Contracts	NA	0.0866	0.0896	0.0030
Solar PV													
	0-3 MW	0.1362	0.1340	(0.0022)	0.1654	0.1657	0.0003	Only 2 Contracts	Only 2 Contracts	NA	0.1603	0.1600	(0.0003)
	+3-20 MW	0.1754	0.1742	(0.0012)	0.1237	0.1307	0.0070	0.0624	0.0624	0.0000	0.1637	0.1641	0.0004
	+20-50 MW	0.1345	0.1344	(0.0001)	Only 1 Contract	Only 1 Contract	NA	Only 2 Contracts	Only 2 Contracts	NA	0.1015	0.1311	0.0296
	+50-200 MW	0.1344	0.1343	(0.0001)				0.1193	0.1193	(0.0000)	0.1270	0.1270	(0.0000)
	+200 MW	0.1587	0.1561	(0.0026)	0.0747	0.0590	(0.0158)				0.1561	0.1533	(0.0028)
Solar PV Total		0.1518	0.1503	(0.0015)	0.1190	0.1186	(0.0004)	0.1039	0.1200	0.0161	0.1396	0.1428	0.0032
Solar Thermal													
	+3-20 MW				Only 1 Contract	Only 1 Contract	NA				Only 1 Contract	Only 1 Contract	NA
	+20-50 MW				0.1301	0.1302	0.0002				0.1301	0.1302	0.0002
	+50-200 MW	Only 2 Contracts	Only 2 Contracts	NA	Only 2 Contracts	Only 2 Contracts	NA				0.1395	0.1387	(0.0008)
	+200 MW	Only 1 Contract	Only 1 Contract	NA							Only 1 Contract	Only 1 Contract	NA
Solar Thermal Total		0.1423	0.0825	(0.0598)	0.1348	0.1354	0.0006				0.1352	0.1339	(0.0013)
Wind													
	0-3 MW	0.0674	0.0674	(0.0000)	Only 2 Contracts	Only 2 Contracts	NA				0.0558	0.0561	0.0003
	+3-20 MW	0.0570	0.0543	(0.0027)	0.0589	0.0590	0.0001	Only 2 Contracts	Only 2 Contracts	NA	0.0593	0.0585	(0.0007)
	+20-50 MW	0.0753	0.0750	(0.0003)	0.0715	0.0718	0.0003	0.0396	0.0396	0.0000	0.0678	0.0678	0.0001
	+50-200 MW	0.0863	0.0834	(0.0029)	0.1078	0.1077	(0.0001)	0.0562	0.0503	(0.0059)	0.0892	0.0867	(0.0025)
	+200 MW				0.1009	0.1009	0.0000	Only 1 Contract	Only 1 Contract	NA	0.1010	0.1010	0.0000
Wind Total		0.0840	0.0813	(0.0027)	0.0977	0.0976	(0.0001)	0.0610	0.0565	(0.0045)	0.0868	0.0851	(0.0018)
UOG Small Hydro													
	0-3 MW				0.1238	0.1238	0.0000				0.1238	0.1238	0.0000
	+3-20 MW	0.0455	0.0455	0.0000	0.1238	0.1238	0.0000				0.0527	0.0527	0.0000
	+20-30 MW	0.0585	0.0585	0.0000	0.1238	0.1238	0.0000				0.0898	0.0898	0.0000
UOG Small Hydro Total		0.0460	0.0460	0.0000	0.1238	0.1238	0.0000				0.0571	0.0571	0.0000
UOG Solar PV													
	0-3 MW	0.3066	0.3066	0.0000	0.4700	0.4700	0.0000				0.4517	0.4517	0.0000
	+3-20 MW	0.1595	0.1595	0.0000	0.4700	0.4700	0.0000				0.1801	0.1801	0.0000
UOG Solar PV Total		0.1621	0.1621	0.0000	0.4700	0.4700	0.0000				0.2165	0.2165	0.0000
Total		0.0942	0.0943	0.0001	0.0874	0.0874	(0.0000)	0.0771	0.0747	(0.0024)	0.0892	0.0906	0.0014

Table C-2. Weighted Average TOD-Adjusted RPS Procurement Expenditures (Bundled Energy Only) for 2013 (\$/MWh)

	PG&E			SCE			SDG&E			Total		
	Figures Reported in February 2014 Report	Updated Figures	Differential	Figures Reported in February 2014 Report	Updated Figures	Differential	Figures Reported in February 2014 Report	Updated Figures	Differential	Figures Reported in February 2014 Report	Updated Figures	Differential
Biogas												
0-3 MW	0.0761	0.0763	0.0002	0.0872	0.0872	(0.0001)	0.0972	0.0972	0.0000	0.0893	0.0895	0.0002
+3-20 MW	Only 2 Contracts	Only 2 Contracts	NA	0.0841	0.0850	0.0008	0.0652	0.0652	0.0000	0.0659	0.0661	0.0002
+20-50 MW				Only 1 Contract	Only 1 Contract	NA				Only 1 Contract	Only 1 Contract	NA
Biogas Total	0.0594	0.0591	(0.0003)	0.0682	0.0683	0.0001	0.0793	0.0793	0.0000	0.0698	0.0698	0.0000
Biomass												
0-3 MW	Only 1 Contract	Only 1 Contract	NA							Only 1 Contract	Only 1 Contract	NA
+3-20 MW	0.0922	0.0918	(0.0003)				0.1000	0.1000	0.0000	0.0930	0.0926	(0.0003)
+20-50 MW	0.1032	0.1019	(0.0013)				0.0910	0.0910	0.0000	0.1013	0.1002	(0.0011)
+50-200 MW	Only 1 Contract	Only 1 Contract	NA							Only 1 Contract	Only 1 Contract	NA
Biomass Total	0.0993	0.0984	(0.0009)				0.0925	0.0925	0.0000	0.0985	0.0976	(0.0008)
Geothermal												
0-3 MW	0.0498	0.0496	(0.0001)							0.0498	0.0496	(0.0001)
+3-20 MW	Only 2 Contracts	Only 2 Contracts	NA	0.0781	0.0774	(0.0008)				0.0811	0.0862	0.0051
+20-50 MW	Only 1 Contract	Only 1 Contract	NA	0.0701	0.0699	(0.0002)	Only 2 Contracts	Only 2 Contracts	NA	0.0760	0.0715	(0.0045)
+50-200 MW	Only 1 Contract	Only 1 Contract	NA	0.0715	0.0714	(0.0001)				0.0676	0.0697	0.0021
+200 MW	Only 1 Contract	Only 1 Contract	NA	Only 1 Contract	Only 1 Contract	NA				Only 2 Contracts	Only 2 Contracts	NA
Geothermal Total	0.0719	0.0772	0.0052	0.0675	0.0676	0.0000	Only 2 Contracts	Only 2 Contracts	NA	0.0703	0.0713	0.0010
Small Hydro												
0-3 MW	0.0714	0.0711	(0.0003)	0.0831	0.0833	0.0002	0.1124	0.1124	0.0000	0.0752	0.0752	0.0000
+3-20 MW	0.0694	0.0711	0.0016	0.0888	0.0902	0.0014	0.0520	0.0520	0.0000	0.0719	0.0734	0.0015
+20-50 MW	0.1002	0.1065	0.0063	Only 1 Contract	Only 1 Contract	NA				0.1005	0.1063	0.0059
Small Hydro Total	0.0872	0.0908	0.0037	0.0891	0.0898	0.0006	0.0530	0.0530	0.0000	0.0866	0.0896	0.0030
Solar PV												
0-3 MW	0.1362	0.1340	(0.0022)	0.1654	0.1657	0.0003	Only 2 Contracts	Only 2 Contracts	NA	0.1603	0.1600	(0.0003)
+3-20 MW	0.1754	0.1742	(0.0012)	0.1237	0.1307	0.0070	0.0624	0.0624	0.0000	0.1637	0.1641	0.0004
+20-50 MW	0.1345	0.1344	(0.0001)	Only 1 Contract	Only 1 Contract	NA	Only 1 Contract	Only 1 Contract	NA	0.1338	0.1337	(0.0001)
+50-200 MW	0.1344	0.1343	(0.0001)				0.1193	0.1193	(0.0000)	0.1270	0.1270	(0.0000)
+200 MW	0.1587	0.1561	(0.0026)	0.0747	0.0590	(0.0158)				0.1561	0.1533	(0.0028)
Solar PV Total	0.1518	0.1503	(0.0015)	0.1190	0.1186	(0.0004)	0.1212	0.1212	(0.0000)	0.1441	0.1431	(0.0010)
Solar Thermal												
+3-20 MW				Only 1 Contract	Only 1 Contract	NA				Only 1 Contract	Only 1 Contract	NA
+20-50 MW				0.1301	0.1302	0.0002				0.1301	0.1302	0.0002
+50-200 MW	Only 2 Contracts	Only 2 Contracts	NA	Only 2 Contracts	Only 2 Contracts	NA				0.1395	0.1387	(0.0008)
+200 MW	Only 1 Contract	Only 1 Contract	NA							Only 1 Contract	Only 1 Contract	NA
Solar Thermal Total	0.1423	0.0825	(0.0598)	0.1348	0.1354	0.0006				0.1352	0.1339	(0.0013)
Wind												
0-3 MW	0.0674	0.0674	(0.0000)	Only 2 Contracts	Only 2 Contracts	NA				0.0558	0.0561	0.0003
+3-20 MW	0.0570	0.0543	(0.0027)	0.0589	0.0590	0.0001	Only 2 Contracts	Only 2 Contracts	NA	0.0593	0.0585	(0.0007)
+20-50 MW	0.0753	0.0750	(0.0003)	0.0715	0.0718	0.0003	Only 2 Contracts	Only 2 Contracts	NA	0.0715	0.0716	0.0001
+50-200 MW	0.0908	0.0834	(0.0074)	0.1078	0.1077	(0.0001)	0.0899	0.0768	(0.0132)	0.0987	0.0934	(0.0052)
+200 MW				0.1009	0.1077	0.0068	Only 1 Contract	Only 1 Contract	NA	0.1010	0.1010	0.0000
Wind Total	0.0877	0.0813	(0.0064)	0.0977	0.0966	(0.0010)	0.0897	0.0812	(0.0085)	0.0935	0.0901	(0.0034)
UOG Small Hydro												
0-3 MW				0.1238	0.1238	0.0000				0.1238	0.1238	0.0000
+3-20 MW	0.0455	0.0455	0.0000	0.1238	0.1238	0.0000				0.0527	0.0527	0.0000
+20-30 MW	0.0585	0.0585	0.0000	0.1238	0.1238	0.0000				0.0898	0.0898	0.0000
UOG Small Hydro Total	0.0460	0.0460	0.0000	0.1238	0.1238	0.0000				0.0571	0.0571	0.0000
UOG Solar PV												
0-3 MW	0.3066	0.3066	0.0000	0.4700	0.4700	0.0000				0.4517	0.4517	0.0000
+3-20 MW	0.1595	0.1595	0.0000	0.4700	0.4700	0.0000				0.1801	0.1801	0.0000
UOG Solar PV Total	0.1621	0.1621	0.0000	0.4700	0.4700	0.0000				0.2165	0.2165	0.0000
Total	0.0958	0.0948	(0.0010)	0.0874	0.0874	(0.0000)	0.0983	0.0920	(0.0063)	0.0923	0.0930	0.0007