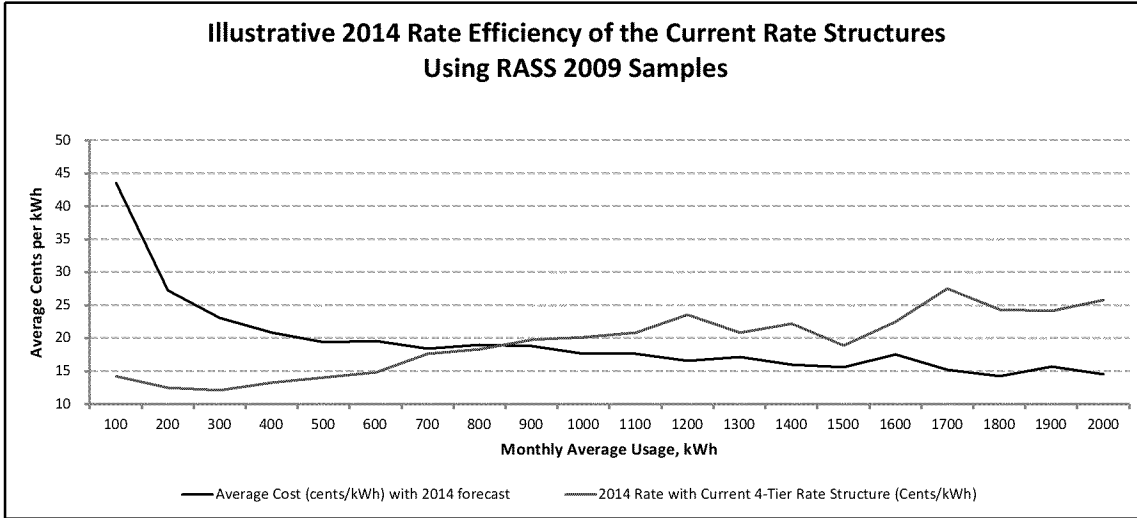


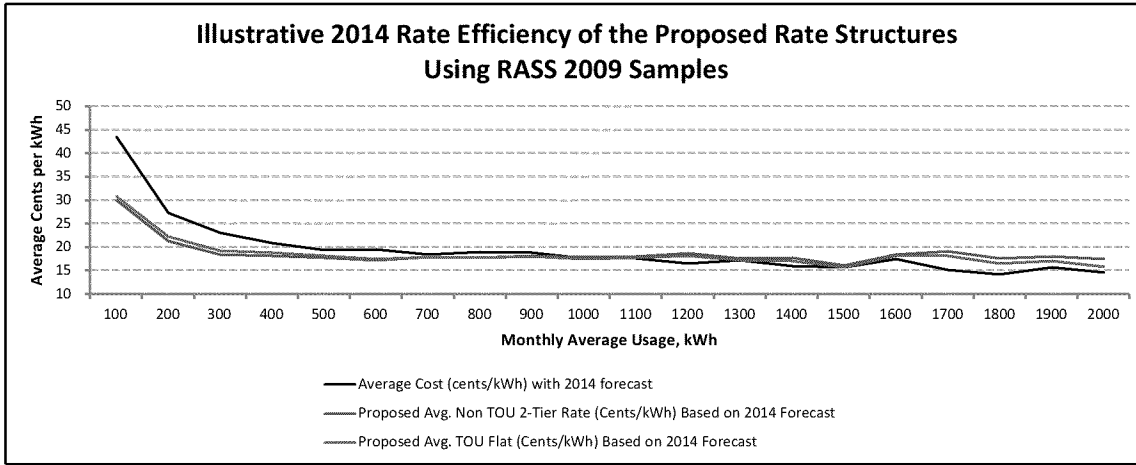
**PACIFIC GAS AND ELECTRIC COMPANY**  
**APPENDIX C**  
**BILL IMPACT CALCULAT OR RESULTS PURSUANT TO**  
**ALJ RULING, MARCH 19 , 2013, ATTACHMENT B**

FIGURE 4-1 – ILLUSTRATIVE 2014 RATE EFFICIENCY OF THE CURRENT RATE STRUCTURES USING RASS 2009 SAMPLES



Cost of Service vs. Current and Proposed Rate Designs								
Average Monthly Usage	Average Cost (cents/kWh) with 2014 forecast	Average Current Rate (Cents/kWh)	2014 Rate with Current 4-Tier Rate Structure (Cents/kWh)	Proposed Avg. TOU Flat (Cents/kWh)	Percent Change-Current	Percent Change-Proposed Non TOU 4-Tier Rate	Percent Change-Proposed TOU	
100	43.63	13.99	14.29	22.86	-68%	-67%	-48%	
200	27.30	12.25	12.57	19.29	-55%	-54%	-29%	
300	23.13	11.81	12.10	17.78	-49%	-48%	-23%	
400	20.88	12.88	13.30	18.34	-38%	-36%	-12%	
500	19.41	13.56	14.11	18.23	-30%	-27%	-6%	
600	19.62	14.16	14.81	18.09	-28%	-25%	-8%	
700	18.45	16.63	17.65	19.10	-10%	-4%	4%	
800	19.05	17.26	18.40	19.13	-9%	-3%	0%	
900	18.86	18.52	19.82	19.75	-2%	5%	5%	
1000	17.71	18.87	20.23	19.36	7%	14%	9%	
1100	17.70	19.46	20.93	19.77	10%	18%	12%	
1200	16.56	21.81	23.61	20.63	32%	43%	25%	
1300	17.23	19.47	20.86	19.36	13%	21%	12%	
1400	16.02	20.63	22.24	19.40	29%	39%	21%	
1500	15.68	17.72	18.90	17.51	13%	21%	12%	
1600	17.57	20.90	22.55	20.63	19%	28%	17%	
1700	15.20	25.28	27.61	21.23	66%	82%	40%	
1800	14.31	22.54	24.37	19.39	58%	70%	36%	
1900	15.77	22.30	24.18	19.81	41%	53%	26%	
2000	14.59	23.83	25.82	19.02	63%	77%	30%	

FIGURE 4-2 – ILLUSTRATIVE 2014 RATE EFFICIENCY OF THE PROPOSED RATE STRUCTURES USING RASS 2009 SAMPLES



Cost of Service vs. Current and Proposed Rate Designs							
Average Monthly Usage	Average Cost (cents/kWh) with 2014 forecast	Average 2013 Current Rate (Cents/kWh)	Proposed Avg. Non TOU 2-Tier Rate (Cents/kWh) Based on 2014 Forecast	Proposed Avg. TOU Flat (Cents/kWh) Based on 2014 Forecast	Percent Change-Current	Percent Change-Proposed Non TOU 2-Tier Rate	Percent Change-Proposed TOU
100	43.63	13.99	30.02	30.99	-68%	-31%	-29%
200	27.30	12.25	21.34	22.21	-55%	-22%	-19%
300	23.13	11.81	18.44	19.32	-49%	-20%	-16%
400	20.88	12.88	18.27	18.85	-38%	-13%	-10%
500	19.41	13.56	17.75	18.13	-30%	-9%	-7%
600	19.62	14.16	17.30	17.61	-28%	-12%	-10%
700	18.45	16.63	17.97	17.94	-10%	-3%	-3%
800	19.05	17.26	17.82	17.81	-9%	-6%	-7%
900	18.86	18.52	18.21	18.09	-2%	-3%	-4%
1000	17.71	18.87	17.89	17.57	7%	1%	-1%
1100	17.70	19.46	18.08	17.85	10%	2%	1%
1200	16.56	21.81	18.76	18.23	32%	13%	10%
1300	17.23	19.47	17.66	17.31	13%	2%	0%
1400	16.02	20.63	17.78	17.10	29%	11%	7%
1500	15.68	17.72	16.22	15.75	13%	3%	0%
1600	17.57	20.90	18.52	18.29	19%	5%	4%
1700	15.20	25.28	19.13	18.10	66%	26%	19%
1800	14.31	22.54	17.71	16.65	58%	24%	16%
1900	15.77	22.30	18.02	17.14	41%	14%	9%
2000	14.59	23.83	17.47	15.93	63%	20%	9%

4.5 Energy Conservation: "The results showed reductions in overall energy usage between approximately 2% to 3%..."

Lower Percent	2%
Higher Percent	3%

**Illustrative Energy Conservation Estimation Using Elasticity of Usage**

The results below are based on 100% volumetric rate designs  
 2014

Energy Conservation	Current Rate	Non TOU Rate	TOU Rate
Usage , kWh	29,201,592,102	28,623,303,251	28,547,159,725
Conserved kWh		578,288,851	654,432,377
Percent conserved		1.98%	2.24%

2017

Energy Conservation	Current Rate	Non TOU Rate	TOU Rate
Usage , kWh	29,201,592,102	28,296,133,023	28,220,885,681
Conserved kWh		905,459,079	980,706,421
Percent conserved		3.10%	3.36%