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Date: August 1, 2014  
Witness(es): Various

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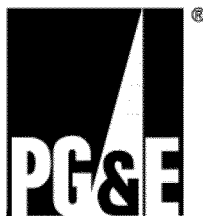
**PACIFIC GAS AND ELECTRIC COMPANY**

**LONG-TERM RESIDENTIAL ELECTRIC RATE DESIGN REFORM  
PROPOSAL**

**PHASE 1**

**UPDATED RATE TABLES**

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PACIFIC GAS AND ELECTRIC COMPANY  
LONG-TERM RESIDENTIAL ELECTRIC RATE DESIGN REFORM PROPOSAL  
PHASE 1  
UPDATED RATE TABLES

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**PACIFIC GAS AND ELECTRIC COMPANY**  
**LONG-TERM RESIDENTIAL RATE DESIGN UPDATE**

PACIFIC GAS AND ELECTRIC COMPANY  
LONG-TERM RESIDENTIAL RATE DESIGN UPDATE

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1                                   **PACIFIC GAS AND ELECTRIC COMPANY**  
2                                   **LONG-TERM RESIDENTIAL RATE DESIGN UPDATE**

3 **A. Introduction**

4           The purpose of this filing is to update Pacific Gas and Electric Company's  
5 (PG&E) rate proposal to incorporate changes in rate design resulting from  
6 Decision 14-06-029 in Phase 2 of this proceeding. In its February 28, 2014  
7 prepared testimony, PG&E presented a proposed trajectory of rates for the  
8 2014-2018 for its base case, assuming a 2.1 percent year-to-year growth in  
9 residential revenues.<sup>1</sup> At the time that testimony was filed, however, there was  
10 uncertainty about the level at which baseline quantities would be set, as PG&E  
11 had a proposal pending in its 2012 Rate Design Window proceeding  
12 (A.12-02-020) to have them set based upon 50 percent of historical residential  
13 usage—rather than 55 percent, the basis for which they were set at the time. As  
14 a result of this uncertainty, in its February 28, 2014, testimony, PG&E presented  
15 proposed rate trajectories assuming both 55 and 50 percent. However,  
16 Decision 14-06-029's approval of the Settlement between PG&E, Office of  
17 Ratepayer Advocates, and The Utility Reform Network eliminated this  
18 uncertainty, adopting a compromise and setting baseline quantities at  
19 52.5 percent of historical usage.

20           Since none of the proposed rate trajectories presented in PG&E's  
21 February 28, 2014, testimony were based upon baseline quantities set at  
22 52.5 percent of historical usage, they are now outdated and require updating.  
23 PG&E has developed updated rates, which it presents herein, reflecting the new  
24 52.5 percent baseline quantities that will go into effect on August 1, 2014.  
25 These new rate trajectories also use California Public Utilities  
26 Commission-approved August 1, 2014, rates as a starting point for the updated  
27 rate trajectories.<sup>2</sup> Other than those two changes, all elements of PG&E's  
28 February 28, 2014, rate proposal remain the same: introducing a monthly  
29 service fee in 2015 and increasing it to the maximum allowed amount in 2016;

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1   See Tables 1-2, 2-6, and 2-7.

2   At the time PG&E made its February 28, 2014, filing, summer 2014 rates were not known, and PG&E estimated them assuming its January 28, 2014, Phase 2 proposal in this proceeding would be adopted.

1 reducing the number of tiers to three in 2015 and further reducing the number to  
2 two in 2018 (with a 1.2 to 1 rate differential); gradually reducing the California  
3 Alternate Rates for Energy (CARE) discount to reach the statutorily-required  
4 range of 30 to 35 percent by 2018; and introducing an optional non-tiered  
5 time-of-use (TOU) rate that replaces the current confusing hybrid tiered TOU  
6 rates. Only the proposed rate trajectories change. PG&E's February 28, 2014  
7 prepared testimony text should also be considered revised consistent with the  
8 new rate trajectories presented in this update.

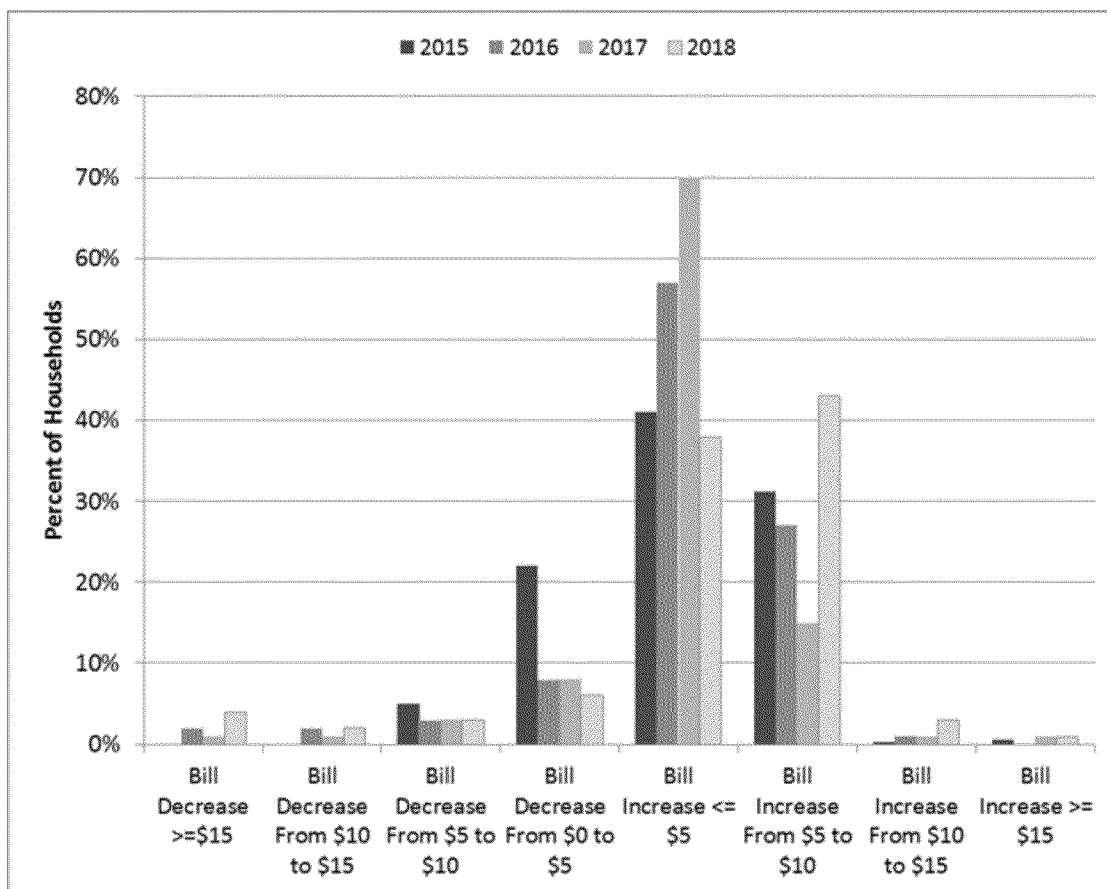
9 Table 1 presents the updated proposed rate trajectories for standard  
10 non-CARE and CARE rates. Appendix 1 presents the proposed rates for all of  
11 PG&E's rate schedules, including optional rates. PG&E has also calculated  
12 updated CARE discount percentages based upon the updated rate trajectories,  
13 which are shown in Appendix 2. Finally, PG&E has prepared detailed  
14 year-to-year bill comparisons based upon the updated proposed rate  
15 trajectories, shown in two different formats. Appendix 3 presents the bill  
16 comparison results in PG&E's standard format, where dollar and percentage  
17 impacts are shown in the same table. Appendix 4 presents similar bill  
18 comparisons using the format specified by the Energy Division, where  
19 customers are grouped by usage category. The updated bill comparisons result  
20 in slightly different distributions of bill impacts than were described in PG&E's  
21 February 28, 2014 testimony. The remainder of this testimony presents bar  
22 charts showing the updated bill impact distributions, along with descriptions of  
23 how PG&E's proposed reformed rates affect customers.

**TABLE 1  
PACIFIC GAS AND ELECTRIC COMPANY  
UPDATED PRESENT AND PROPOSED STANDARD RESIDENTIAL RATES ASSUMING  
2.1 PERCENT GROWTH IN REVENUE REQUIREMENT**

Rate	Proposed (Assuming 2.1 Percent Growth in Revenue Requirement)				
	Aug 1, 2014	2015	2016	2017	2018
<b>Non-CARE</b>					
Monthly Service Fee	NA	\$5.00	\$10.00	\$10.21	\$10.42
Energy Charges					
0 to 100% of BQ	\$0.147	\$0.147	\$0.147	\$0.162	\$0.180
100% to 130% of BQ	\$0.170	\$0.210	\$0.211	\$0.211	\$0.216
130% to 200% of BQ	\$0.259	\$0.210	\$0.211	\$0.211	\$0.216
Over 200% of BQ	\$0.319	\$0.314	\$0.285	\$0.261	\$0.216
<b>CARE</b>					
Monthly Service Fee	NA	\$2.50	\$5.00	\$5.11	\$5.21
Energy Charges					
0 to 100% of BQ	\$0.092	\$0.097	\$0.103	\$0.112	\$0.123
100% to 130% of BQ	\$0.106	\$0.118	\$0.124	\$0.136	\$0.148
130% to 200% of BQ	\$0.151	\$0.118	\$0.124	\$0.136	\$0.148
Over 200% of BQ	\$0.151	\$0.151	\$0.151	\$0.151	\$0.148

1      **1. Standard Schedule Bill Comparisons**

**FIGURE 1  
PACIFIC GAS AND ELECTRIC COMPANY  
SCHEDULE E-1: DISTRIBUTION OF YEAR-TO-YEAR AVERAGE  
MONTHLY BILL IMPACTS FROM PG&E'S RATE PROPOSAL**



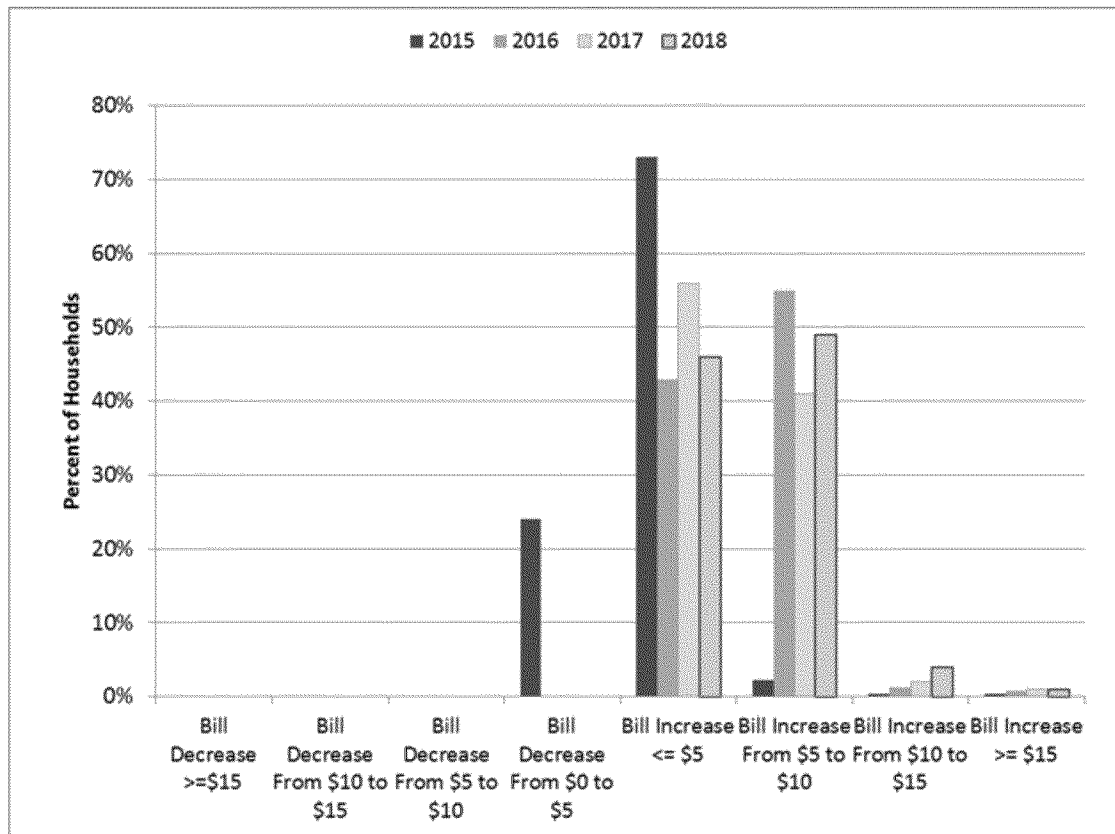
2            As Figure 1 shows, some customers receive lower average monthly bills  
 3 while others see higher bills due to PG&E's proposal. This is the anticipated  
 4 result, since PG&E's rate reform proposal is designed to gradually provide  
 5 bill relief for upper-tier consuming households who, for over a decade, have  
 6 paid rates well above the class average—while beginning to increase the  
 7 bills of lower-tier consuming households who have paid below-average  
 8 rates. In 2015, about 27 percent of Schedule E-1 households would see  
 9 lower average bills from PG&E's proposed rates. Of the remaining  
 10 73 percent, 41 percent would see average monthly bill increases of less  
 11 than \$5.00 and another 31 percent would see increases between \$5.00 and  
 12 \$10.00. Just 1 percent of households would see average monthly bill



1 increases of more than \$10.00. So 99 percent of E-1 households would see  
 2 either bill savings or increases of less than \$10.00 per month from PG&E's  
 3 proposed rates in 2015.

4 In 2016, 2017 and 2018, the percentage of households saving each  
 5 year (compared to the previous year) drops to about 15 percent, with a  
 6 commensurate increase of customers in the \$0.00 to \$10.00 range. Again,  
 7 the percentages of households seeing increases of more than  
 8 \$10.00 remain very small, ranging from 1 percent in 2016 to 4 percent in  
 9 2018. These modest bill increases each year are due to the gradual nature  
 10 of PG&E's proposed rate transition plan, and are at an acceptable level to  
 11 reach a reformed rate structure that is more equitable for upper-tier  
 12 consuming households who have long suffered excessively high bills.

**FIGURE 2**  
**PACIFIC GAS AND ELECTRIC COMPANY**  
**SCHEDULE EL-1: DISTRIBUTION OF YEAR-TO-YEAR AVERAGE**  
**MONTHLY BILL IMPACTS FROM PG&E'S RATE PROPOSAL**



1 While most CARE customers, as shown in Figure 2, would see bill  
2 increases under PG&E's Phase 1 proposals, the average monthly impacts  
3 are modest for most CARE customers.<sup>3</sup> Generally speaking, CARE  
4 customers would see bill increases under PG&E's proposal, since proposed  
5 CARE rates are being gradually increased over the transition period in order  
6 to reduce the CARE discount percentage to the 30 to 35 range mandated by  
7 Assembly Bill 327. Nevertheless, the bill impacts are modest for the vast  
8 majority of CARE customers.

9 In 2015, 24 percent of CARE households would actually pay lower  
10 average monthly bills under PG&E's proposal. This is due to the following:  
11 (1) replacing a \$3.60 minimum bill with a \$2.50 monthly service fee for  
12 nearly 3 percent of customers; and (2) a 3.3 cent rate reduction for the  
13 22 percent of customers with significant usage between 130 percent and  
14 200 percent of baseline relative to usage below 130 percent of baseline. Of  
15 the remaining 76 percent who would see bill increases, though, 73 percent  
16 would see average monthly increases of less than \$5.00, with just over  
17 2 percent seeing increases between \$5.00 and \$10.00. Only a very small  
18 percentage of CARE households (less than 1 percent) would see increases  
19 over \$10.00. In 2016, 2017 and 2018, all CARE customers would see  
20 increases in their average monthly bills, but again not by large amounts. In  
21 these three years, 95 percent or more of the CARE households would see  
22 bill increases either less than \$5.00 or between \$5.00 and \$10.00, with only  
23 2 to 5 percent seeing increases above \$10.00.<sup>4</sup>

## 24 **2. Seasonal and TOU Schedule Bill Comparisons**

25 Figures 3 through 8 summarize the distribution of year-to-year bill  
26 impacts from PG&E's updated seasonal and TOU rates. The 2014-2015 bill  
27 comparisons compare bills for non-NEM customers on the current E-6 and  
28 E-7 rate schedules to the proposed E-6 and E-7 rate schedules, and  
29 non-NEM customers on the current Schedule E-8 to the proposed  
30 Schedule E-8. However, since PG&E has proposed to eliminate

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3 Bill impacts exclude the impact of the California Climate Credit.

4 PG&E will take into account actual bill impacts and will consider adjusting the transition period, as appropriate, during the implementation of these rate design reform proposals.

1 Schedules E-6, E-7 and E-8 in 2016, customers on TOU schedules E-6 and  
2 E-7 are assumed to be on Schedule E-TOU, and Schedule E-8 customers  
3 are assumed to be on Schedule E-1, for the years 2016-2018.

4 Consequently, in 2016, 2017 and 2018, E-6 and E-7 customers are billed at  
5 E-TOU rates while E-8 customers are billed at E-1 rates.

6 In 2015, Schedules E-6 and EL-6 show results that are very close to  
7 Schedules E-1 and EL-1 since all four schedules are designed to be  
8 revenue neutral with their respective classes. On the other hand,  
9 Schedules E-7, E-8 and EL-8 show bill increases for all customers in 2015,  
10 compared to E-1 and EL-1, because the subsidies received by these  
11 customers for more than two decades would end under PG&E's proposal.  
12 Finally, more than half of Schedule EL-7's customers would see bill  
13 decreases in 2015 because EL-7 energy rates were, one, never subsidized  
14 relative to EL-1, and two, set equal to those of E-7 until the Energy Crisis.  
15 As a result, EL-7's proposed average rate for 2015 is slightly below its  
16 current average rate.

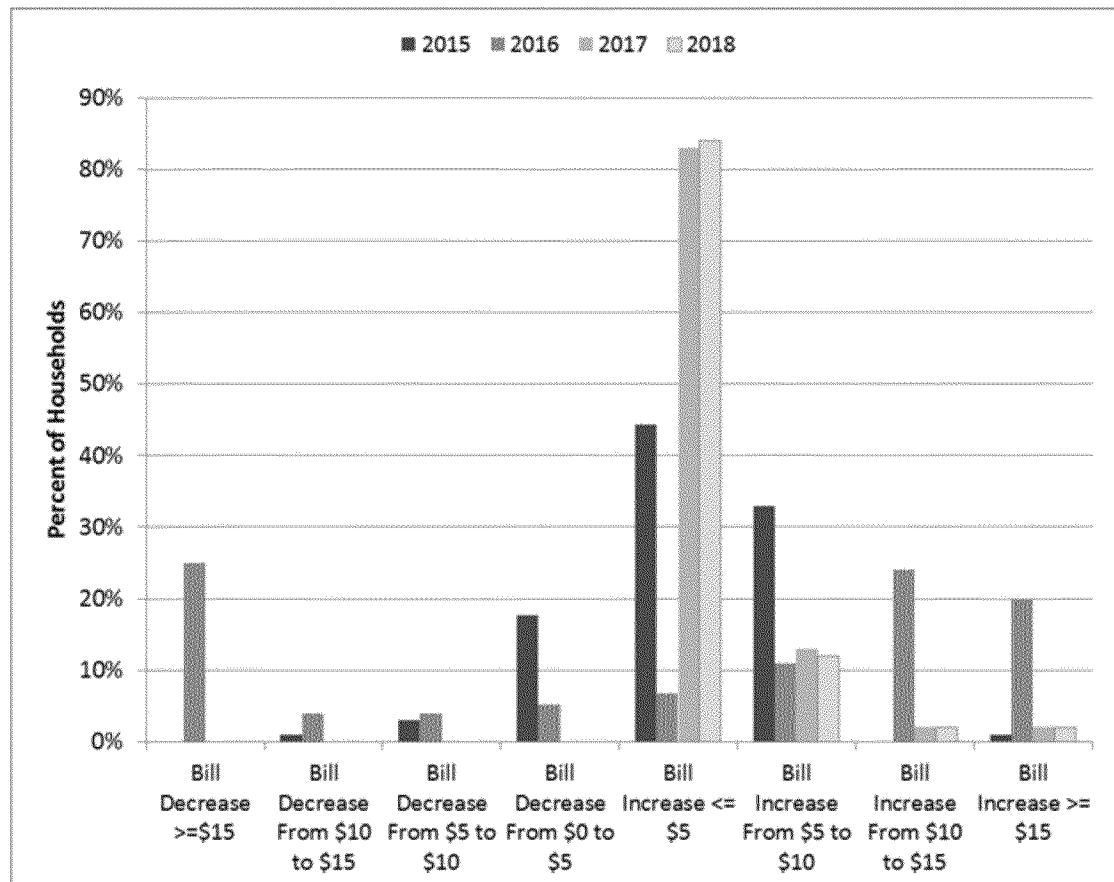
17 In 2016, approximately 60 percent of former E-6, EL-6 and EL-7  
18 customers would see bill increases of greater than \$5.00, largely because  
19 these relatively smaller customers would pay a higher average rate on the  
20 untiered E-TOU schedule than they would on a tiered schedule. In contrast,  
21 there would be a relatively smaller percentage of former E-7 customers with  
22 bill increases greater than \$5.00 because this schedule currently has a  
23 smaller percentage of low-use customers.

24 Fewer former E-8 customers would see bill increases compared to their  
25 E-1 counterparts because their above average usage would benefit from  
26 both a lower Tier 3 rate and a Tier 2 rate that remains largely unchanged. In  
27 contrast, more former EL-8 customers would see absolute bill increases  
28 compared to their EL-1 counterparts as their above average usage is  
29 subject to higher rates on both Tier 1 and Tier 2 usage while the Tier 3 rate  
30 remains unchanged.

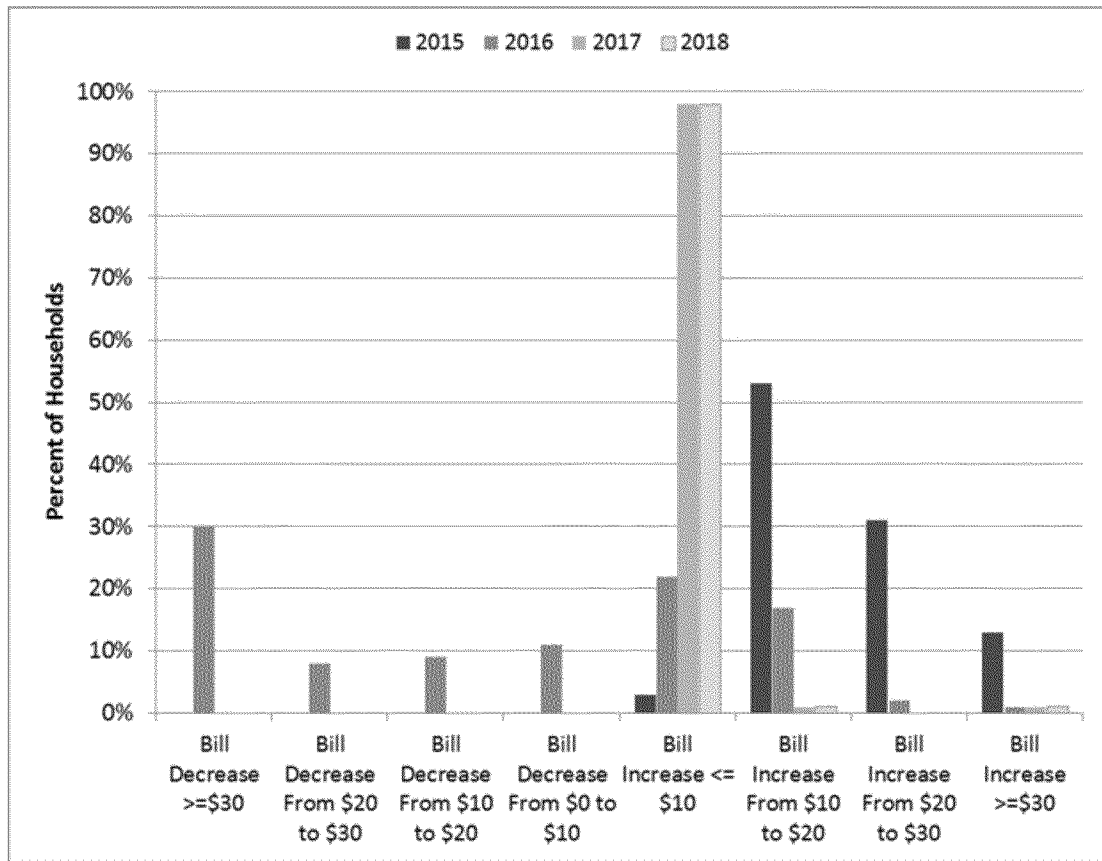
31 For 2017 and 2018, all former E-6, EL-6, E-7 and EL-7 customers would  
32 see bill increases in response to the average 2.1 percent rate increase on all  
33 E-TOU and EL-TOU usage. However, more than 90 percent would see bill

1 increases of less than \$10.00. Finally, former E-8 and EL-8 customers  
 2 would see similar bill impacts to those seen in 2016.

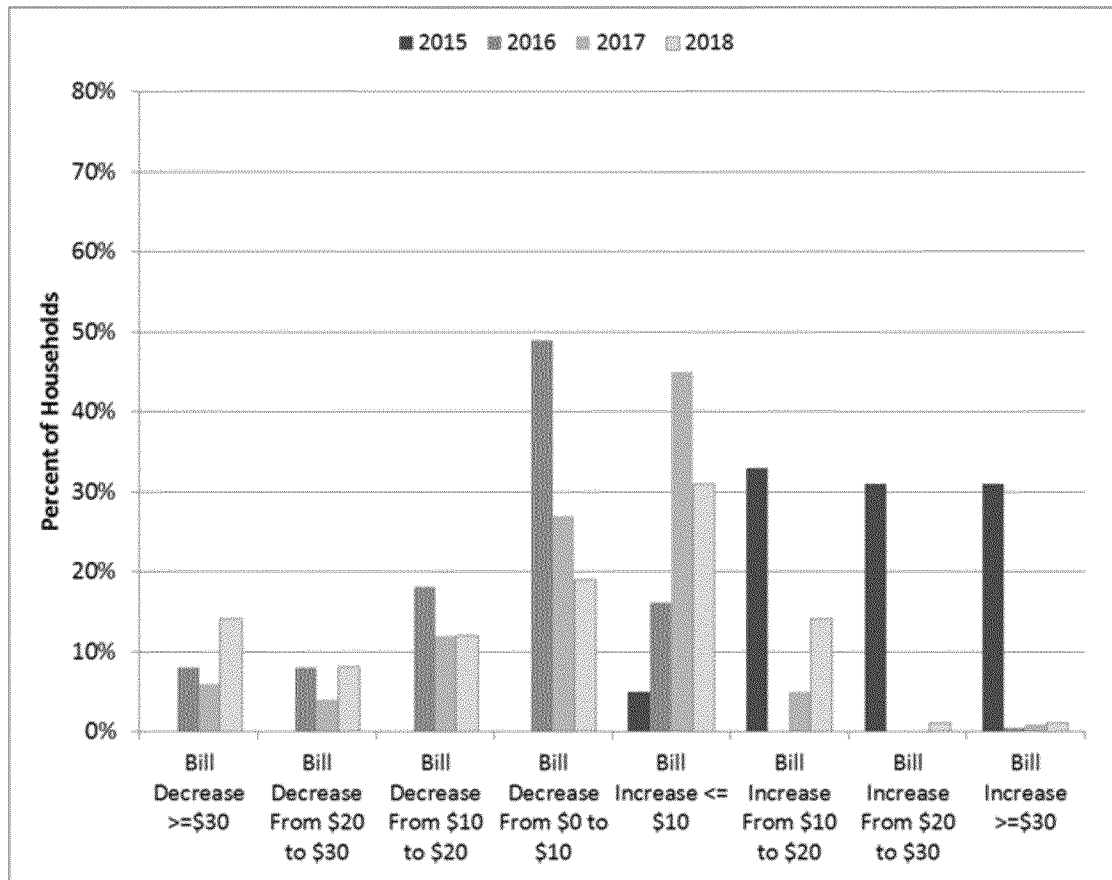
**FIGURE 3**  
**PACIFIC GAS AND ELECTRIC COMPANY**  
**SCHEDULE E-6: DISTRIBUTION OF YEAR-TO-YEAR AVERAGE**  
**MONTHLY BILL IMPACTS FROM PG&E'S RATE PROPOSAL**



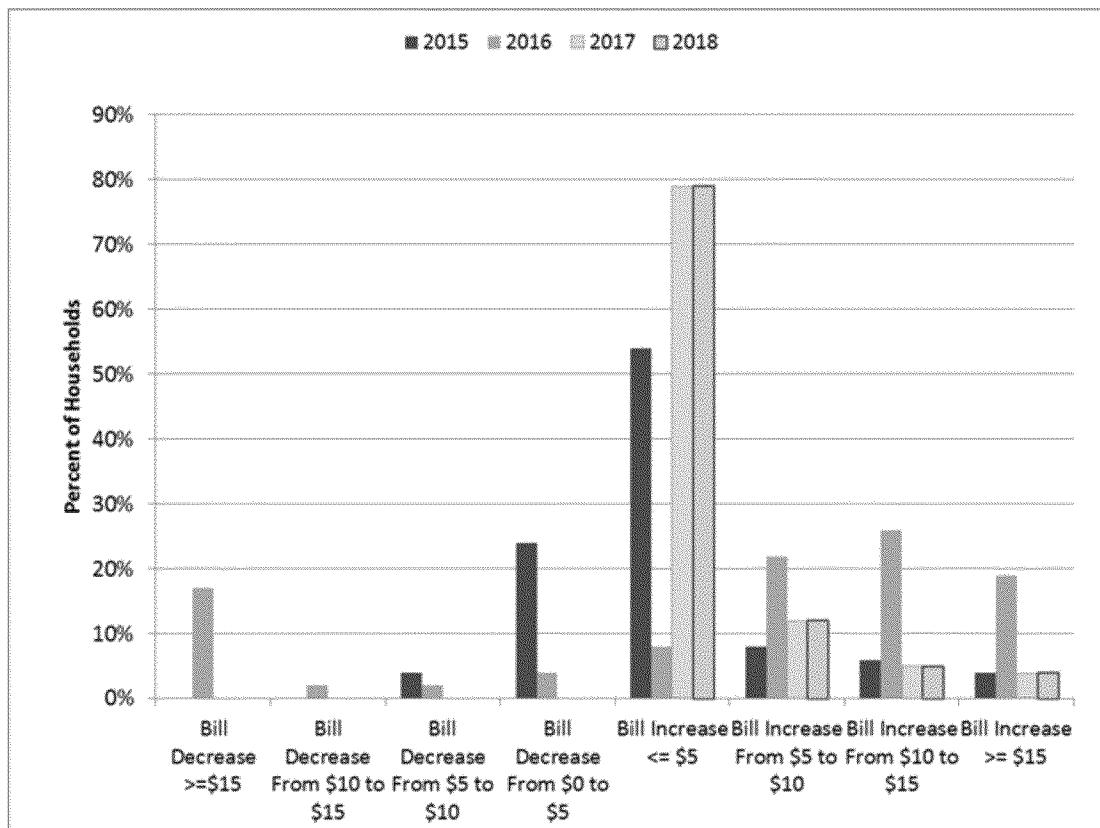
**FIGURE 4  
 PACIFIC GAS AND ELECTRIC COMPANY  
 SCHEDULE E-7: DISTRIBUTION OF YEAR-TO-YEAR AVERAGE  
 MONTHLY BILL IMPACTS FROM PG&E'S RATE PROPOSAL**



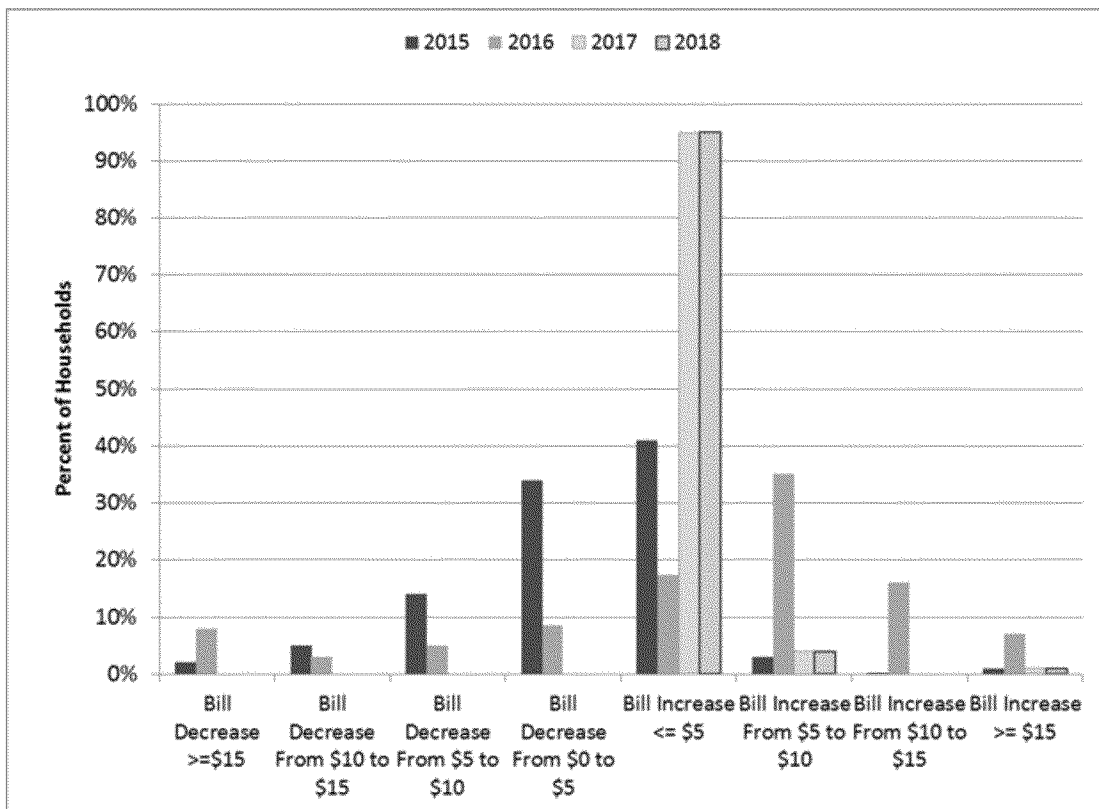
**FIGURE 5  
 PACIFIC GAS AND ELECTRIC COMPANY  
 SCHEDULE E-8: DISTRIBUTION OF YEAR-TO-YEAR AVERAGE  
 MONTHLY BILL IMPACTS FROM PG&E'S RATE PROPOSAL**



**FIGURE 6  
 PACIFIC GAS AND ELECTRIC COMPANY  
 SCHEDULE EL-6: DISTRIBUTION OF YEAR-TO-YEAR AVERAGE  
 MONTHLY BILL IMPACTS FROM PG&E'S RATE PROPOSAL**

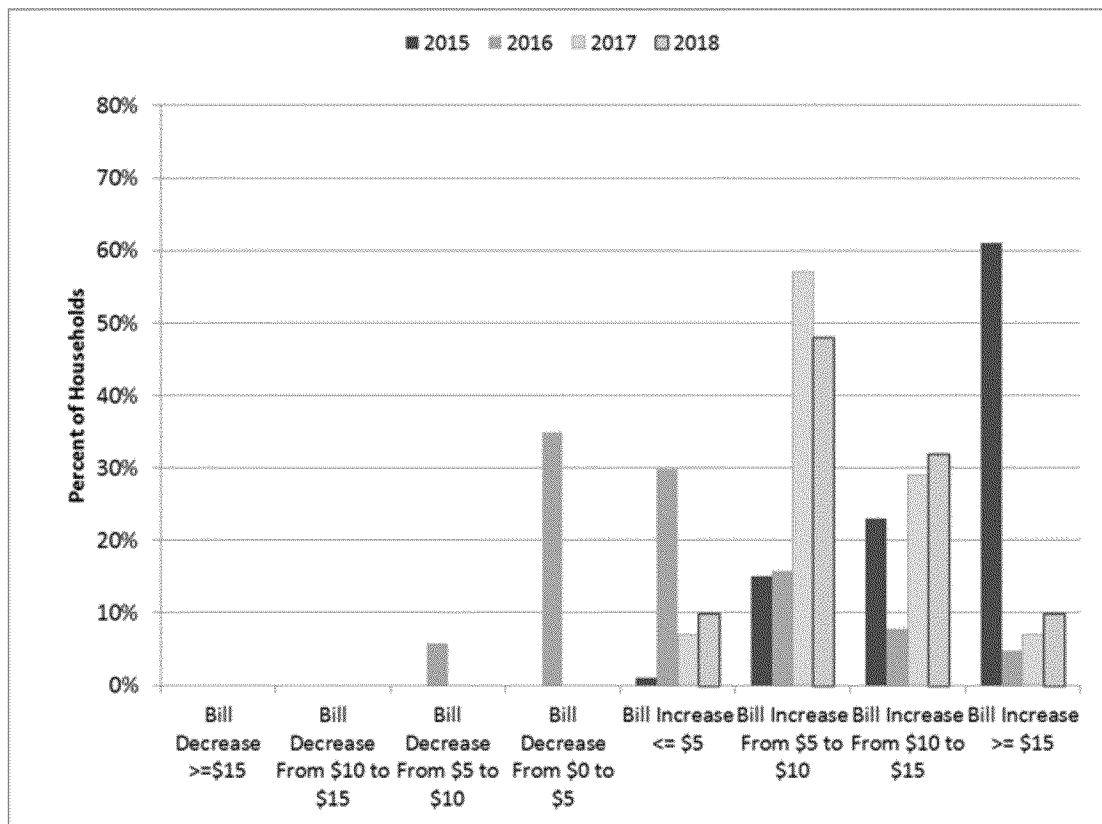


**FIGURE 7  
 PACIFIC GAS AND ELECTRIC COMPANY  
 SCHEDULE EL-7: DISTRIBUTION OF YEAR-TO-YEAR AVERAGE  
 MONTHLY BILL IMPACTS FROM PG&E'S RATE PROPOSAL**





**FIGURE 8  
 PACIFIC GAS AND ELECTRIC COMPANY  
 SCHEDULE EL-8: DISTRIBUTION OF YEAR-TO-YEAR AVERAGE  
 MONTHLY BILL IMPACTS FROM PG&E'S RATE PROPOSAL**



**PACIFIC GAS AND ELECTRIC COMPANY**

**APPENDIX 1**

**ILLUSTRATIVE RATES ASSUMING 2.1% GROWTH IN REVENUE  
REQUIREMENT AND 52.5% BASELINE QUANTITIES**

Appendix 1: Illustrative Rates Assuming 2.1% Growth in Revenue Requirement and 52.5% Baseline Quantities

E-1 Rates	Summer 2014	2015	2016	2017	2018	EL-1 Rates	Summer 2014	2015	2016	2017	2018
Tier 1	\$0.147	\$0.147	\$0.147	\$0.162	\$0.180	Tier 1	\$0.092	\$0.097	\$0.103	\$0.112	\$0.123
Tier 2	\$0.170	\$0.210	\$0.210	\$0.210	\$0.216	Tier 2	\$0.106	\$0.118	\$0.124	\$0.136	\$0.148
Tier 3	\$0.259	\$0.210	\$0.210	\$0.210	\$0.216	Tier 3	\$0.151	\$0.118	\$0.124	\$0.136	\$0.148
Tier 4	\$0.319	\$0.314	\$0.286	\$0.262	\$0.216	Tier 4	\$0.151	\$0.151	\$0.151	\$0.151	\$0.148
<b>Customer Charge</b>	\$0.00	\$5.00	\$10.00	\$10.21	\$10.42	<b>Customer Charge</b>	\$0.00	\$2.50	\$5.00	\$5.11	\$5.21
E-6 Rates	Summer 2014	2015	2016	2017	2018	EL-6 Rates	Summer 2014	2015	2016	2017	2018
<b>Summer Peak</b>						<b>Summer Peak</b>					
Tier 1	\$0.307	\$0.275				Tier 1	\$0.209	\$0.225			
Tier 2	\$0.330	\$0.338				Tier 2	\$0.224	\$0.246			
Tier 3	\$0.417	\$0.338				Tier 3	\$0.321	\$0.246			
Tier 4	\$0.477	\$0.441				Tier 4	\$0.321	\$0.278			
<b>Summer Part-Peak</b>						<b>Summer Part-Peak</b>					
Tier 1	\$0.191	\$0.182				Tier 1	\$0.125	\$0.132			
Tier 2	\$0.215	\$0.245				Tier 2	\$0.140	\$0.153			
Tier 3	\$0.302	\$0.245				Tier 3	\$0.198	\$0.153			
Tier 4	\$0.362	\$0.349				Tier 4	\$0.198	\$0.186			
<b>Summer Off-Peak</b>						<b>Summer Off-Peak</b>					
Tier 1	\$0.115	\$0.122				Tier 1	\$0.068	\$0.072			
Tier 2	\$0.138	\$0.185				Tier 2	\$0.083	\$0.093			
Tier 3	\$0.225	\$0.185	PG&E Proposes Closing Schedule in			Tier 3	\$0.116	\$0.093	PG&E Proposes Closing Schedule		
Tier 4	\$0.285	\$0.288		2016		Tier 4	\$0.116	\$0.125		in 2016	
<b>Winter Part-Peak</b>						<b>Winter Part-Peak</b>					
Tier 1	\$0.136	\$0.139				Tier 1	\$0.084	\$0.089			
Tier 2	\$0.159	\$0.202				Tier 2	\$0.099	\$0.110			
Tier 3	\$0.246	\$0.202				Tier 3	\$0.138	\$0.110			
Tier 4	\$0.306	\$0.305				Tier 4	\$0.138	\$0.142			
<b>Winter Off-Peak</b>						<b>Winter Off-Peak</b>					
Tier 1	\$0.119	\$0.125				Tier 1	\$0.072	\$0.074			
Tier 2	\$0.142	\$0.188				Tier 2	\$0.087	\$0.095			
Tier 3	\$0.230	\$0.188				Tier 3	\$0.121	\$0.095			
Tier 4	\$0.290	\$0.291				Tier 4	\$0.121	\$0.128			
<b>Customer Charge</b>	\$0.00	\$5.00				<b>Customer Charge</b>	\$0.00	\$2.50			

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E-7 Rates	Summer 2014	2015	2016	2017	2018	EL-7 Rates	Summer 2014	2015	2016	2017	2018
<b>Summer Peak</b>						<b>Summer Peak</b>					
Tier 1	\$0.343	\$0.284				Tier 1	\$0.283	\$0.234			
Tier 2	\$0.367	\$0.347				Tier 2	\$0.300	\$0.255			
Tier 3	\$0.455	\$0.347				Tier 3	\$0.428	\$0.255			
Tier 4	\$0.515	\$0.450				Tier 4	\$0.428	\$0.288			
<b>Summer Off-Peak</b>						<b>Summer Off-Peak</b>					
Tier 1	\$0.095	\$0.138				Tier 1	\$0.070	\$0.088			
Tier 2	\$0.119	\$0.201				Tier 2	\$0.087	\$0.109			
Tier 3	\$0.207	\$0.201				Tier 3	\$0.118	\$0.109			
Tier 4	\$0.267	\$0.304				Tier 4	\$0.118	\$0.142			
<b>Winter Peak</b>			PG&E Proposes Closing Schedule in 2016			<b>Winter Part-Peak</b>			PG&E Proposes Closing Schedule in 2016		
Tier 1	\$0.128	\$0.136				Tier 1	\$0.099	\$0.086			
Tier 2	\$0.152	\$0.199				Tier 2	\$0.116	\$0.107			
Tier 3	\$0.241	\$0.199				Tier 3	\$0.160	\$0.107			
Tier 4	\$0.301	\$0.302				Tier 4	\$0.160	\$0.139			
<b>Winter Off-Peak</b>						<b>Winter Off-Peak</b>					
Tier 1	\$0.098	\$0.124				Tier 1	\$0.073	\$0.074			
Tier 2	\$0.122	\$0.187				Tier 2	\$0.090	\$0.095			
Tier 3	\$0.211	\$0.187				Tier 3	\$0.122	\$0.095			
Tier 4	\$0.271	\$0.291				Tier 4	\$0.122	\$0.128			
<b>Customer Charge</b>	\$0.00	\$5.00				<b>Customer Charge</b>	\$0.00	\$2.50			
<b>E-8 Rates</b>	<b>Summer 2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>EL-8 Rates</b>	<b>Summer 2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Summer</b>						<b>Summer</b>					
Tier 1	\$0.152	\$0.161				Tier 1	\$0.096	\$0.117			
Tier 2	\$0.156	\$0.224				Tier 2	\$0.097	\$0.138			
Tier 3	\$0.244	\$0.224				Tier 3	\$0.155	\$0.138			
Tier 4	\$0.304	\$0.327				Tier 4	\$0.155	\$0.170			
<b>Winter</b>			PG&E Proposes Closing Schedule in 2016			<b>Winter</b>			PG&E Proposes Closing Schedule in 2016		
Tier 1	\$0.101	\$0.126				Tier 1	\$0.061	\$0.076			
Tier 2	\$0.106	\$0.189				Tier 2	\$0.062	\$0.097			
Tier 3	\$0.194	\$0.189				Tier 3	\$0.105	\$0.097			
Tier 4	\$0.254	\$0.293				Tier 4	\$0.105	\$0.130			
<b>Customer Charge</b>	\$0.00	\$12.53				<b>Customer Charge</b>	\$0.00	\$10.020			

E-TOU Rates	Summer 2014	2015	2016	2017	2018	E-TOU CARE Rates	Summer 2014	2015	2016	2017	2018
<b>Summer</b>						<b>Summer</b>					
On-Peak		\$0.320	\$0.316	\$0.320	\$0.324	On-Peak		\$0.208	\$0.205	\$0.208	\$0.211
Off-Peak		\$0.183	\$0.179	\$0.183	\$0.187	Off-Peak		\$0.119	\$0.116	\$0.119	\$0.122
<b>Winter</b>						<b>Winter</b>					
On-Peak		\$0.184	\$0.179	\$0.184	\$0.188	On-Peak		\$0.119	\$0.117	\$0.119	\$0.122
Off-Peak		\$0.170	\$0.165	\$0.170	\$0.174	Off-Peak		\$0.110	\$0.108	\$0.110	\$0.113
<b>Customer Charge</b>		\$5.00	\$10.00	\$10.21	\$10.42	<b>Customer Charge</b>		\$2.50	\$5.00	\$5.11	\$5.21

**PACIFIC GAS AND ELECTRIC COMPANY**

**APPENDIX 2**

**CARE EFFECTIVE DISCOUNT ASSUMING 2.1% GROWTH IN  
REVENUE REQUIREMENT AND 52.5% BASELINE QUANTITIES**

No of Customers	Non-CARE	Non-CARE Pct of Customers	CARE	CARE Pct of Customers	Total	Total Pct of Customers
Tier 1	1,213,962	36%	551,029	43%	1,764,992	38%
Tier 2	530,917	16%	237,328	19%	768,244	17%
Tier 3	1,000,480	30%	345,568	27%	1,346,047	29%
Tier 4	608,190	18%	134,106	11%	742,297	16%
Total	3,353,549	100%	1,268,031	100%	4,621,580	100%
Customer Months	41,554,094		14,119,521		55,673,615	

Billing Determinants (kWh) with 52.5% Baseline Quantity	Non-CARE	Non-CARE Pct of Sales	CARE	CARE Pct of Sales	Total	Total Pct of Sales
Tier 1	12,925,381,034	55%	4,663,298,193	61%	17,588,679,226	56%
Tier 2	2,546,589,352	11%	840,897,376	11%	3,387,486,729	11%
Tier 3	3,893,633,538	17%	1,150,210,320	15%	5,043,843,858	16%
Tier 4	4,216,513,076	18%	943,628,625	12%	5,160,141,700	17%
Total	23,582,116,999	100%	7,598,034,514	100%	31,180,151,513	100%

A2-1

Updated July 2014					
Assuming 2.1% Growth in Revenue Requirement and 52.5% Baseline Quantities					
	Summer 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018
<b>Non-CARE</b>					
Minimum Bill Amount (\$/mo)	\$4.50	\$0.00	\$0.00	\$0.00	\$0.00
Basic Service Fee (\$/mo)	\$0.00	\$5.00	\$10.00	\$10.21	\$10.42
T-1 Rate (\$/kWh)	\$0.14707	\$0.14707	\$0.14707	\$0.16178	\$0.18018
T-2 Rate (\$/kWh)	\$0.17028	\$0.21031	\$0.21083	\$0.21083	\$0.21621
T-2' Rate (\$/kWh)	\$0.25859	\$0.21031	\$0.21083	\$0.21083	\$0.21621
T-3 Rate (\$/kWh)	\$0.31859	\$0.31359	\$0.28548	\$0.26118	\$0.21621
<b>CARE</b>					
Minimum Bill Amount	\$3.60	\$0.00	\$0.00	\$0.00	\$0.00
Basic Service Fee (\$/mo)	\$0.00	\$2.50	\$5.00	\$5.11	\$5.21
T-1 Rate (\$/kWh)	\$0.09244	\$0.09700	\$0.10300	\$0.11200	\$0.12342
T-2 Rate (\$/kWh)	\$0.10630	\$0.11800	\$0.12400	\$0.13600	\$0.14810
T-2' Rate (\$/kWh)	\$0.15081	\$0.11800	\$0.12400	\$0.13600	\$0.14810
T-3 Rate (\$/kWh)	\$0.15081	\$0.15081	\$0.15081	\$0.15081	\$0.14810
<b>CARE Discount Estimates</b>					
CARE Revenue Collection at Non-CARE Rates	1,427,082,801	1,471,091,233	1,516,190,487	1,564,817,599	1,621,878,394
Total CARE Revenue Collection	836,234,527	864,898,069	940,123,309	1,007,539,432	1,083,706,128
CARE Discount (\$)	590,848,273	606,193,163	576,067,178	557,278,167	538,172,266
Effective CARE Discount	44%	43%	40%	37%	35%

Appendix 2 - CARE Effective Discount Assuming 2.1% Growth in Revenue Requirement and 52.5% Baseline Quantities

**PACIFIC GAS AND ELECTRIC COMPANY**

**APPENDIX 3**

**YEAR-TO-YEAR BILL COMPARISONS USING PG&E'S  
STANDARD FORMAT: AT ILLUSTRATIVE RATES ASSUMING  
2.1% GROWTH IN REVENUE REQUIREMENT AND 52.5%  
BASELINE QUANTITIES**

RATE DATA ANALYSIS

Total Annual Bill Summary by Rate Schedules  
 Comparison Between Aug 2014 Rates  
 AND 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
 RROIR update / Res Data From Yearly File(JAN 2011 - Dec 2011)

LAST RATE SCHEDULE	COUNT	ANNUAL TOTAL KWH	TOTAL ANNUAL CURRENT BILLS	CURRENT AVG RATE	TOTAL ANNUAL PROPOSED BILLS	PROPOSED AVG RATE	DIFFERENCE (PROPOSED-CURRENT)	(PROPOSED-CURRENT)/CURRENT	MAX DIFFERENCE	MIN DIFFERENCE
E1	2,815,104	18,278,276,127	\$3,630,771,311	0.19864	\$3,708,377,327	0.20288	\$77,606,016	2.14%	\$274	\$-10,736
E1L	1,156,472	7,576,011,970	\$844,031,429	0.11141	\$870,102,604	0.11485	\$26,071,175	3.09%	\$236	\$-400
E6	5,462	52,512,188	\$10,980,789	0.20911	\$11,151,158	0.21235	\$170,369	1.55%	\$201	\$-1,223
E6L	379	6,078,576	\$722,905	0.11893	\$735,634	0.12102	\$12,729	1.76%	\$555	\$-142
E7	57,771	606,295,672	\$112,551,791	0.18564	\$126,944,696	0.20938	\$14,392,905	12.79%	\$3,653	\$-1,258
E7L	7,757	84,873,446	\$9,776,680	0.11519	\$9,648,091	0.11368	\$-128,589	( 1.32%)	\$1,153	\$-1,347
E8	43,911	675,567,529	\$142,084,250	0.21032	\$157,154,250	0.23263	\$15,070,000	10.61%	\$16,156	\$-651
E8L	8,692	136,763,391	\$15,096,310	0.11038	\$17,163,068	0.12549	\$2,066,758	13.69%	\$10,313	\$-0
TOTAL	4,095,548	27,416,378,899	\$4,766,015,465	0.17384	\$4,901,276,827	0.17877	\$135,261,363	2.84%	\$32,541	\$-15,757

A3-1



CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between Aug 2014 Rates

AND 2015 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RROIR update / Res Data From Yearly File(JAN 2011 - Dec 2011)

RES full service

----- LAST RATE SCHEDULE=E1 -----

	\$ MONTHLY \$ PCT DIFFERENCE	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
		DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4%	\$-5.46	0	559(0.0%)	2,700(0.1%)	109,878(3.9%)	0	0	0	0	0	0
8%	\$-3.93	0	0	1(0.0%)	112,897(4.0%)	0	0	0	0	0	0
12%	\$-2.98	0	0	0	112,837(4.0%)	0	0	0	0	0	0
16%	\$-2.21	0	0	0	111,917(4.0%)	0	0	0	0	0	0
20%	\$-1.36	0	0	0	112,570(4.0%)	0	0	0	0	0	0
24%	\$-0.61	0	0	0	112,535(4.0%)	0	0	0	0	0	0
28%	\$0.24	0	0	0	81,710(2.9%)	1,704(0.1%)	1,668(0.1%)	28,430(1.0%)	0	0	0
32%	\$1.03	0	0	0	0	0	0	93,014(3.3%)	81(0.0%)	17,465(0.6%)	1,154(0.0%)
36%	\$1.90	0	0	0	0	0	0	104,757(3.7%)	236(0.0%)	707(0.0%)	7,570(0.3%)
40%	\$2.69	0	0	0	0	0	0	103,058(3.7%)	448(0.0%)	863(0.0%)	8,172(0.3%)
44%	\$3.40	0	0	0	0	0	0	100,519(3.6%)	2,525(0.1%)	1,175(0.0%)	8,838(0.3%)
48%	\$4.04	0	0	0	0	0	0	74,197(2.6%)	26,687(0.9%)	1,728(0.1%)	10,201(0.4%)
52%	\$4.59	0	0	0	0	0	0	37,506(1.3%)	54,999(2.0%)	6,076(0.2%)	13,300(0.5%)
56%	\$4.94	0	0	0	0	0	0	8,146(0.3%)	54,347(1.9%)	33,650(1.2%)	44,978(1.6%)
60%	\$4.97	0	0	0	0	0	0	633(0.0%)	10,072(0.4%)	59,502(2.1%)	69,239(2.5%)
64%	\$4.98	0	0	0	0	0	0	344(0.0%)	6,730(0.2%)	60,586(2.2%)	69,450(2.5%)
68%	\$5.00	0	0	0	0	0	0	363(0.0%)	6,826(0.2%)	48,985(1.7%)	44,370(1.6%)
72%	\$5.05	0	0	0	0	0	0	701(0.0%)	10,059(0.4%)	32,380(1.2%)	7,846(0.3%)
76%	\$5.21	0	0	0	0	0	0	1,695(0.1%)	30,339(1.1%)	70,325(2.5%)	6,640(0.2%)
80%	\$5.41	0	0	0	0	0	0	1,728(0.1%)	37,065(1.3%)	70,584(2.5%)	2,996(0.1%)
84%	\$5.65	0	0	0	0	0	0	1,815(0.1%)	41,190(1.5%)	68,911(2.4%)	741(0.0%)
88%	\$5.92	0	0	0	0	0	0	1,727(0.1%)	39,836(1.4%)	68,748(2.4%)	172(0.0%)
92%	\$6.26	0	0	0	0	0	0	1,727(0.1%)	41,752(1.5%)	70,561(2.5%)	34(0.0%)
96%	\$6.72	0	0	0	0	0	0	1,711(0.1%)	41,076(1.5%)	68,575(2.4%)	0
100%	\$22.86	0	0	0	0	0	0	2,931(0.1%)	30,969(1.1%)	77,367(2.7%)	0
TOTAL		0	559	2,701	754,344	1,704	1,668	565,002	435,237	758,188	295,701
		0.0%	0.0%	0.1%	26.8%	0.1%	0.1%	20.1%	15.5%	26.9%	10.5%
CUMULATIVE		0	559	3,260	757,604	759,308	760,976	1325978	1761215	2519403	2815104
		0.0%	0.0%	0.1%	26.9%	27.0%	27.0%	47.1%	62.6%	89.5%	100.0%
AVG. MO DIFF.			\$-75.4	\$-23.2	\$-3.3	\$-0.0	\$0.0	\$2.4	\$5.4	\$5.5	\$4.7

A3-2

A PERCENTAGE DIFFERENCE WHICH FALLS ON A COLUMN BOUNDARY IS INCLUDED IN THE HIGHER COLUMN

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
 Comparison Between Aug 2014 Rates  
 AND 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
 FOR ANNUAL  
 RROIR update / Res Data From Yearly File(JAN 2011 - Dec 2011)  
 RES full service

----- LAST RATE SCHEDULE=E1L -----

PCT	MONTHLY \$ DIFFERENCE	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
		DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4%	\$-3.05	0	0	1(0.0%)	46,656(4.0%)	0	0	0	0	0	0
8%	\$-2.25	0	0	0	47,866(4.1%)	0	0	0	0	0	0
12%	\$-1.71	0	0	0	44,485(3.8%)	0	0	0	0	0	0
16%	\$-1.01	821(0.1%)	5(0.0%)	8(0.0%)	48,810(4.2%)	0	0	0	0	0	0
20%	\$-0.64	215(0.0%)	75(0.0%)	11(0.0%)	42,452(3.7%)	0	0	0	0	0	0
24%	\$0.00	0	176(0.0%)	155(0.0%)	44,946(3.9%)	559(0.0%)	338(0.0%)	4(0.0%)	0	0	0
28%	\$0.65	0	0	0	0	0	229(0.0%)	45,983(4.0%)	185(0.0%)	190(0.0%)	0
32%	\$1.23	0	0	0	0	0	0	45,732(4.0%)	127(0.0%)	284(0.0%)	367(0.0%)
36%	\$1.71	0	0	0	0	0	0	45,484(3.9%)	171(0.0%)	358(0.0%)	637(0.1%)
40%	\$2.12	0	0	0	0	0	0	41,459(3.6%)	2,817(0.2%)	331(0.0%)	824(0.1%)
44%	\$2.53	0	0	0	0	0	0	32,340(2.8%)	12,042(1.0%)	563(0.0%)	1,596(0.1%)
48%	\$2.87	0	0	0	0	0	0	12,276(1.1%)	23,344(2.0%)	1,703(0.1%)	10,022(0.9%)
52%	\$3.05	0	0	0	0	0	0	2,340(0.2%)	16,972(1.5%)	2,531(0.2%)	22,950(2.0%)
56%	\$3.19	0	0	0	0	0	0	1,135(0.1%)	13,506(1.2%)	3,529(0.3%)	28,779(2.5%)
60%	\$3.31	0	0	0	0	0	0	866(0.1%)	11,079(1.0%)	7,921(0.7%)	26,602(2.3%)
64%	\$3.42	0	0	0	0	0	0	732(0.1%)	9,386(0.8%)	35,977(3.1%)	716(0.1%)
68%	\$3.53	0	0	0	0	0	0	683(0.1%)	9,184(0.8%)	38,201(3.3%)	5(0.0%)
72%	\$3.63	0	0	0	0	0	0	605(0.1%)	8,172(0.7%)	35,042(3.0%)	0
76%	\$3.74	0	0	0	0	0	0	646(0.1%)	8,337(0.7%)	38,193(3.3%)	0
80%	\$3.85	0	0	0	0	0	0	592(0.1%)	7,880(0.7%)	36,503(3.2%)	0
84%	\$3.98	0	0	0	0	0	0	625(0.1%)	8,118(0.7%)	37,751(3.3%)	0
88%	\$4.14	0	0	0	0	0	0	671(0.1%)	7,844(0.7%)	38,159(3.3%)	0
92%	\$4.35	0	0	0	0	0	0	733(0.1%)	6,744(0.6%)	38,302(3.3%)	0
96%	\$4.75	0	0	0	0	0	0	930(0.1%)	6,498(0.6%)	38,164(3.3%)	0
100%	\$19.66	0	0	0	0	0	0	1,207(0.1%)	36,409(3.1%)	8,606(0.7%)	0
TOTAL		1,036 0.1%	256 0.0%	175 0.0%	275,215 23.8%	559 0.0%	567 0.0%	235,043 20.3%	188,815 16.3%	362,308 31.3%	92,498 8.0%
CUMULATIVE		1,036 0.1%	1,292 0.1%	1,467 0.1%	276,682 23.9%	277,241 24.0%	277,808 24.0%	512,851 44.3%	701,666 60.7%	1063974 92.0%	1156472 100.0%
AVG.MO DIFF.		\$-1.0	\$-0.6	\$-0.5	\$-1.9	\$-0.0	\$0.0	\$1.5	\$3.8	\$3.8	\$3.0

A3-3

A PERCENTAGE DIFFERENCE WHICH FALLS ON A COLUMN BOUNDARY IS INCLUDED IN THE HIGHER COLUMN

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between Aug 2014 Rates

AND 2015 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RROIR update / Res Data From Yearly File(JAN 2011 - Dec 2011)

RES full service

----- LAST RATE SCHEDULE=E6 -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%	
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE	
4%	\$-5.21	7(0.1%)	25(0.5%)	31(0.6%)	157(2.9%)	0	0	0	0	0	
8%	\$-3.17	1(0.0%)	4(0.1%)	13(0.2%)	199(3.6%)	0	0	0	0	0	
12%	\$-1.93	0	1(0.0%)	14(0.3%)	204(3.7%)	0	0	0	0	0	
16%	\$-1.02	0	1(0.0%)	5(0.1%)	214(3.9%)	0	0	0	0	0	
20%	\$-0.27	0	0	0	217(4.0%)	0	0	0	0	0	
24%	\$0.38	0	0	0	81(1.5%)	5(0.1%)	9(0.2%)	124(2.3%)	0	0	
28%	\$0.94	0	0	0	0	0	0	200(3.7%)	5(0.1%)	15(0.3%)	
32%	\$1.55	0	0	0	0	0	0	214(3.9%)	2(0.0%)	2(0.0%)	
36%	\$2.01	0	0	0	0	0	0	208(3.8%)	7(0.1%)	4(0.1%)	
40%	\$2.48	0	0	0	0	0	0	197(3.6%)	15(0.3%)	7(0.1%)	
44%	\$2.94	0	0	0	0	0	0	188(3.4%)	18(0.3%)	10(0.2%)	
48%	\$3.38	0	0	0	0	0	0	174(3.2%)	30(0.5%)	10(0.2%)	
52%	\$3.74	0	0	0	0	0	0	144(2.6%)	40(0.7%)	30(0.5%)	
56%	\$4.15	0	0	0	0	0	0	137(2.5%)	55(1.0%)	18(0.3%)	
60%	\$4.48	0	0	0	0	0	0	111(2.0%)	72(1.3%)	26(0.5%)	
64%	\$4.82	0	0	0	0	0	0	83(1.5%)	92(1.7%)	30(0.5%)	
68%	\$5.13	0	0	0	0	0	0	56(1.0%)	93(1.7%)	45(0.8%)	
72%	\$5.42	0	0	0	0	0	0	37(0.7%)	90(1.6%)	52(1.0%)	
76%	\$5.72	0	0	0	0	0	0	40(0.7%)	80(1.5%)	62(1.1%)	
80%	\$6.02	0	0	0	0	0	0	20(0.4%)	105(1.9%)	63(1.2%)	
84%	\$6.36	0	0	0	0	0	0	18(0.3%)	81(1.5%)	96(1.8%)	
88%	\$6.70	0	0	0	0	0	0	16(0.3%)	69(1.3%)	96(1.8%)	
92%	\$7.18	0	0	0	0	0	0	14(0.3%)	45(0.8%)	129(2.4%)	
96%	\$7.87	0	0	0	0	0	0	22(0.4%)	38(0.7%)	128(2.3%)	
100%	\$16.72	0	0	0	0	0	0	18(0.3%)	63(1.2%)	118(2.2%)	
TOTAL		8	31	63	1,072	5	9	2,021	1,000	941	312
		0.1%	0.6%	1.2%	19.6%	0.1%	0.2%	37.0%	18.3%	17.2%	5.7%
CUMULATIVE		8	39	102	1,174	1,179	1,188	3,209	4,209	5,150	5,462
		0.1%	0.7%	1.9%	21.5%	21.6%	21.8%	58.8%	77.1%	94.3%	100.0%
AVG. MO DIFF.		\$-9.3	\$-22.9	\$-7.6	\$-3.1	\$-0.0	\$0.0	\$2.8	\$5.4	\$6.3	\$6.0

A3-4

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between Aug 2014 Rates

AND 2015 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RROIR update / Res Data From Yearly File(JAN 2011 - Dec 2011)

RES full service

----- LAST RATE SCHEDULE=E6L -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%	
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE	
4%	\$-5.14	0	2(0.5%)	0	13(3.4%)	0	0	0	0	0	
8%	\$-3.76	0	0	1(0.3%)	14(3.7%)	0	0	0	0	0	
12%	\$-2.37	0	0	1(0.3%)	14(3.7%)	0	0	0	0	0	
16%	\$-1.70	0	0	0	16(4.2%)	0	0	0	0	0	
20%	\$-0.86	0	0	0	15(4.0%)	0	0	0	0	0	
24%	\$-0.42	0	0	2(0.5%)	14(3.7%)	0	0	0	0	0	
28%	\$-0.10	0	0	0	14(3.7%)	0	0	0	0	0	
32%	\$0.26	0	0	0	3(0.8%)	0	0	13(3.4%)	0	0	
36%	\$0.57	0	0	0	0	0	0	15(4.0%)	0	0	
40%	\$1.19	0	0	0	0	0	0	14(3.7%)	1(0.3%)	0	
44%	\$1.57	0	0	0	0	0	0	14(3.7%)	2(0.5%)	0	
48%	\$2.02	0	0	0	0	0	0	13(3.4%)	0	1(0.3%)	
52%	\$2.24	0	0	0	0	0	0	9(2.4%)	3(0.8%)	1(0.3%)	
56%	\$2.49	0	0	0	0	0	0	6(1.6%)	5(1.3%)	5(1.3%)	
60%	\$2.86	0	0	0	0	0	0	3(0.8%)	5(1.3%)	5(1.3%)	
64%	\$3.30	0	0	0	0	0	0	2(0.5%)	7(1.8%)	2(0.5%)	
68%	\$3.52	0	0	0	0	0	0	3(0.8%)	2(0.5%)	10(2.6%)	
72%	\$3.83	0	0	0	0	0	0	2(0.5%)	3(0.8%)	9(2.4%)	
76%	\$4.28	0	0	0	0	0	0	3(0.8%)	3(0.8%)	10(2.6%)	
80%	\$4.62	0	0	0	0	0	0	3(0.8%)	6(1.6%)	6(1.6%)	
84%	\$5.37	0	0	0	0	0	0	3(0.8%)	9(2.4%)	4(1.1%)	
88%	\$7.46	0	0	0	0	0	0	8(2.1%)	6(1.6%)	0	
92%	\$11.35	0	0	0	0	0	0	14(3.7%)	1(0.3%)	0	
96%	\$15.82	0	0	0	0	0	0	15(4.0%)	0	0	
100%	\$46.21	0	0	0	0	0	0	15(4.0%)	0	0	
TOTAL		0	2	4	103	0	0	155	53	53	9
		0.0%	0.5%	1.1%	27.2%	0.0%	0.0%	40.9%	14.0%	14.0%	2.4%
CUMULATIVE		0	2	6	109	109	109	264	317	370	379
		0.0%	0.5%	1.6%	28.8%	28.8%	28.8%	69.7%	83.6%	97.6%	100.0%
AVG.MO DIFF.			\$-7.1	\$-2.0	\$-2.6			\$6.1	\$3.9	\$3.6	\$2.8

A3-5

A PERCENTAGE DIFFERENCE WHICH FALLS ON A COLUMN BOUNDARY IS INCLUDED IN THE HIGHER COLUMN

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
 Comparison Between Aug 2014 Rates  
 AND 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
 FOR ANNUAL  
 RROIR update / Res Data From Yearly File(JAN 2011 - Dec 2011)  
 RES full service

----- LAST RATE SCHEDULE=E7 -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%	
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE	
4%	\$10.05	5(0.0%)	9(0.0%)	9(0.0%)	57(0.1%)	0	1(0.0%)	230(0.4%)	205(0.4%)	253(0.4%)	1,547(2.7%)
8%	\$11.90	0	0	0	0	0	0	80(0.1%)	378(0.7%)	609(1.1%)	1,245(2.2%)
12%	\$12.94	0	0	0	0	0	0	39(0.1%)	378(0.7%)	962(1.7%)	936(1.6%)
16%	\$13.72	0	0	0	0	0	0	27(0.0%)	363(0.6%)	1,053(1.8%)	868(1.5%)
20%	\$14.40	0	0	0	0	0	0	21(0.0%)	388(0.7%)	1,124(1.9%)	778(1.3%)
24%	\$15.02	0	0	0	0	0	0	22(0.0%)	398(0.7%)	1,261(2.2%)	648(1.1%)
28%	\$15.57	0	0	0	0	0	0	14(0.0%)	368(0.6%)	1,228(2.1%)	680(1.2%)
32%	\$16.12	0	0	0	0	0	0	16(0.0%)	369(0.6%)	1,097(1.9%)	826(1.4%)
36%	\$16.65	0	0	0	0	0	0	8(0.0%)	410(0.7%)	1,042(1.8%)	860(1.5%)
40%	\$17.21	0	0	0	0	0	0	13(0.0%)	376(0.7%)	1,009(1.7%)	900(1.6%)
44%	\$17.82	0	0	0	0	0	0	5(0.0%)	487(0.8%)	1,032(1.8%)	806(1.4%)
48%	\$18.46	0	0	0	0	0	0	11(0.0%)	507(0.9%)	1,031(1.8%)	757(1.3%)
52%	\$19.15	0	0	0	0	0	0	8(0.0%)	544(0.9%)	1,085(1.9%)	676(1.2%)
56%	\$19.93	0	0	0	0	0	0	6(0.0%)	611(1.1%)	1,059(1.8%)	639(1.1%)
60%	\$20.80	0	0	0	0	0	0	9(0.0%)	580(1.0%)	1,060(1.8%)	655(1.1%)
64%	\$21.78	0	0	0	0	0	0	4(0.0%)	699(1.2%)	1,004(1.7%)	600(1.0%)
68%	\$22.90	0	0	0	0	0	0	5(0.0%)	714(1.2%)	1,004(1.7%)	578(1.0%)
72%	\$24.15	0	0	0	0	0	0	9(0.0%)	721(1.2%)	1,002(1.7%)	587(1.0%)
76%	\$25.51	0	0	0	0	0	0	9(0.0%)	687(1.2%)	1,055(1.8%)	553(1.0%)
80%	\$26.99	0	0	0	0	0	0	7(0.0%)	644(1.1%)	1,077(1.9%)	587(1.0%)
84%	\$28.56	0	0	0	0	0	0	5(0.0%)	660(1.1%)	1,125(1.9%)	526(0.9%)
88%	\$30.46	0	0	0	0	0	0	6(0.0%)	644(1.1%)	1,091(1.9%)	566(1.0%)
92%	\$33.11	0	0	0	0	0	0	2(0.0%)	641(1.1%)	1,124(1.9%)	544(0.9%)
96%	\$38.04	0	0	0	0	0	0	2(0.0%)	777(1.3%)	1,045(1.8%)	481(0.8%)
100%	\$304.42	0	0	0	0	0	0	12(0.0%)	1,065(1.8%)	812(1.4%)	419(0.7%)
TOTAL		5	9	9	57	0	1	570	13,614	25,244	18,262
		0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	1.0%	23.6%	43.7%	31.6%
CUMULATIVE		5	14	23	80	80	81	651	14,265	39,509	57,771
		0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	1.1%	24.7%	68.4%	100.0%
AVG. MO DIFF.		\$-21.2	\$-14.9	\$-42.4	\$-5.3		\$0.0	\$12.7	\$24.0	\$21.3	\$18.7

A3-6

A PERCENTAGE DIFFERENCE WHICH FALLS ON A COLUMN BOUNDARY IS INCLUDED IN THE HIGHER COLUMN

RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT) PACIFIC GAS AND ELECTRIC COMPANY 10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between Aug 2014 Rates  
AND 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROIR update / Res Data From Yearly File(JAN 2011 - Dec 2011)  
RES full service

----- LAST RATE SCHEDULE=E7L -----

A3-7

\$ MONTHLY \$ PCT DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE	
4%	\$-12.63	0	21(0.3%)	252(3.2%)	37(0.5%)	0	0	0	0	0	
8%	\$-9.59	2(0.0%)	6(0.1%)	245(3.2%)	59(0.8%)	0	0	0	0	0	
12%	\$-7.69	0	1(0.0%)	193(2.5%)	116(1.5%)	0	0	0	0	0	
16%	\$-6.38	0	0	147(1.9%)	164(2.1%)	0	0	0	0	0	
20%	\$-5.33	0	0	88(1.1%)	222(2.9%)	0	0	0	0	0	
24%	\$-4.55	0	0	70(0.9%)	241(3.1%)	0	0	0	0	0	
28%	\$-3.84	0	1(0.0%)	43(0.6%)	269(3.5%)	0	0	0	0	0	
32%	\$-3.26	0	0	9(0.1%)	300(3.9%)	0	0	0	0	0	
36%	\$-2.72	1(0.0%)	0	4(0.1%)	306(3.9%)	0	0	0	0	0	
40%	\$-2.16	0	0	0	308(4.0%)	0	0	0	0	0	
44%	\$-1.56	2(0.0%)	2(0.0%)	2(0.0%)	306(3.9%)	0	0	0	0	0	
48%	\$-1.00	0	1(0.0%)	1(0.0%)	311(4.0%)	0	0	0	0	0	
52%	\$-0.42	0	0	0	310(4.0%)	0	0	0	0	0	
56%	\$0.14	0	0	3(0.0%)	233(3.0%)	8(0.1%)	2(0.0%)	60(0.8%)	0	0	
60%	\$0.73	0	0	0	0	0	0	308(4.0%)	1(0.0%)	0	
64%	\$1.31	0	0	0	0	0	0	306(3.9%)	1(0.0%)	5(0.1%)	
68%	\$1.88	0	0	0	0	0	0	290(3.7%)	12(0.2%)	4(0.1%)	
72%	\$2.35	0	0	0	0	0	0	219(2.8%)	84(1.1%)	8(0.1%)	
76%	\$2.70	0	0	0	0	0	0	115(1.5%)	134(1.7%)	47(0.6%)	
80%	\$2.98	0	0	0	0	0	0	76(1.0%)	105(1.4%)	102(1.3%)	
84%	\$3.21	0	0	0	0	0	0	48(0.6%)	135(1.7%)	114(1.5%)	
88%	\$3.54	0	0	0	0	0	0	46(0.6%)	141(1.8%)	116(1.5%)	
92%	\$4.01	0	0	0	0	0	0	60(0.8%)	152(2.0%)	89(1.1%)	
96%	\$5.03	0	0	0	0	0	0	56(0.7%)	164(2.1%)	69(0.9%)	
100%	\$96.12	0	0	0	0	0	0	76(1.0%)	155(2.0%)	64(0.8%)	
TOTAL		5 0.1%	32 0.4%	1,057 13.6%	3,182 41.0%	8 0.1%	2 0.0%	1,660 21.4%	1,084 14.0%	618 8.0%	109 1.4%
CUMULATIVE		5 0.1%	37 0.5%	1,094 14.1%	4,276 55.1%	4,284 55.2%	4,286 55.3%	5,946 76.7%	7,030 90.6%	7,648 98.6%	7,757 100.0%
AVG.MO DIFF.		\$-5.4	\$-15.9	\$-10.0	\$-3.4	\$-0.0	\$0.0	\$2.2	\$4.2	\$4.0	\$3.9

A PERCENTAGE DIFFERENCE WHICH FALLS ON A COLUMN BOUNDARY IS INCLUDED IN THE HIGHER COLUMN

SB GT&S\_0364649

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between Aug 2014 Rates

AND 2015 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RROIR update / Res Data From Yearly File(JAN 2011 - Dec 2011)

RES full service

----- LAST RATE SCHEDULE=E8 -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4% \$8.80	0	0	0	23(0.1%)	0	32(0.1%)	134(0.3%)	582(1.3%)	987(2.2%)	0
8% \$11.18	0	0	0	0	0	0	24(0.1%)	513(1.2%)	1,224(2.8%)	1(0.0%)
12% \$12.36	0	0	0	0	0	0	8(0.0%)	537(1.2%)	1,215(2.8%)	0
16% \$13.57	0	0	0	0	0	0	7(0.0%)	718(1.6%)	1,025(2.3%)	2(0.0%)
20% \$14.70	0	0	0	0	0	0	8(0.0%)	802(1.8%)	953(2.2%)	1(0.0%)
24% \$15.85	0	0	0	0	0	0	9(0.0%)	849(1.9%)	896(2.0%)	0
28% \$16.94	0	0	0	0	0	0	9(0.0%)	890(2.0%)	846(1.9%)	0
32% \$18.13	0	0	0	0	0	0	12(0.0%)	880(2.0%)	869(2.0%)	1(0.0%)
36% \$19.37	0	0	0	0	0	0	7(0.0%)	924(2.1%)	836(1.9%)	1(0.0%)
40% \$20.65	0	0	0	0	0	0	5(0.0%)	866(2.0%)	875(2.0%)	3(0.0%)
44% \$21.94	0	0	0	0	0	0	3(0.0%)	821(1.9%)	941(2.1%)	2(0.0%)
48% \$23.27	0	0	0	0	0	0	2(0.0%)	753(1.7%)	988(2.3%)	0
52% \$24.43	0	0	0	0	0	0	2(0.0%)	613(1.4%)	1,152(2.6%)	0
56% \$25.67	0	0	0	0	0	0	1(0.0%)	525(1.2%)	1,222(2.8%)	1(0.0%)
60% \$26.89	0	0	0	0	0	0	1(0.0%)	493(1.1%)	1,271(2.9%)	3(0.0%)
64% \$28.16	0	0	0	0	0	0	3(0.0%)	454(1.0%)	1,281(2.9%)	4(0.0%)
68% \$29.62	0	0	0	0	0	0	0	484(1.1%)	1,277(2.9%)	0
72% \$31.36	0	0	0	0	0	0	0	408(0.9%)	1,334(3.0%)	3(0.0%)
76% \$33.45	0	0	0	0	0	0	0	494(1.1%)	1,264(2.9%)	0
80% \$36.08	0	0	0	0	0	0	0	496(1.1%)	1,262(2.9%)	0
84% \$39.63	0	0	0	0	0	0	0	465(1.1%)	1,288(2.9%)	4(0.0%)
88% \$44.38	0	0	0	0	0	0	0	447(1.0%)	1,304(3.0%)	2(0.0%)
92% \$52.29	0	0	0	0	0	0	0	451(1.0%)	1,306(3.0%)	1(0.0%)
96% \$69.82	0	0	0	0	0	0	0	314(0.7%)	1,440(3.3%)	1(0.0%)
100% 1346.34	0	0	0	0	0	0	0	169(0.4%)	1,587(3.6%)	0
TOTAL	0	0	0	23	0	32	235	14,948	28,643	30
	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.5%	34.0%	65.2%	0.1%
CUMULATIVE	0	0	0	23	23	55	290	15,238	43,881	43,911
	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.7%	34.7%	99.9%	100.0%
AVG. MO DIFF.				\$-13.1		\$0.0	\$8.1	\$23.5	\$31.7	\$27.6

A3-8

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between Aug 2014 Rates

AND 2015 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RROIR update / Res Data From Yearly File(JAN 2011 - Dec 2011)

RES full service

----- LAST RATE SCHEDULE=E8L -----

\$ PCT	MONTHLY \$ DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE
4%	\$7.21	0	0	0	3(0.0%)	1(0.0%)	0	2(0.0%)	38(0.4%)	305(3.5%)	0
8%	\$8.28	0	0	0	0	0	0	0	20(0.2%)	329(3.8%)	1(0.0%)
12%	\$9.24	0	0	0	0	0	0	0	18(0.2%)	324(3.7%)	3(0.0%)
16%	\$10.06	0	0	0	0	0	0	0	3(0.0%)	341(3.9%)	3(0.0%)
20%	\$10.92	0	0	0	0	0	0	0	3(0.0%)	341(3.9%)	5(0.1%)
24%	\$11.81	0	0	0	0	0	0	0	3(0.0%)	332(3.8%)	15(0.2%)
28%	\$12.72	0	0	0	0	0	0	0	5(0.1%)	318(3.7%)	23(0.3%)
32%	\$13.55	0	0	0	0	0	0	0	2(0.0%)	312(3.6%)	31(0.4%)
36%	\$14.39	0	0	0	0	0	0	0	1(0.0%)	315(3.6%)	33(0.4%)
40%	\$15.24	0	0	0	0	0	0	0	1(0.0%)	313(3.6%)	34(0.4%)
44%	\$15.96	0	0	0	0	0	0	0	0	308(3.5%)	38(0.4%)
48%	\$16.56	0	0	0	0	0	0	0	0	317(3.6%)	37(0.4%)
52%	\$17.17	0	0	0	0	0	0	0	0	322(3.7%)	24(0.3%)
56%	\$17.89	0	0	0	0	0	0	0	0	315(3.6%)	32(0.4%)
60%	\$18.62	0	0	0	0	0	0	0	0	327(3.8%)	20(0.2%)
64%	\$19.53	0	0	0	0	0	0	0	1(0.0%)	322(3.7%)	23(0.3%)
68%	\$20.49	0	0	0	0	0	0	0	1(0.0%)	310(3.6%)	39(0.4%)
72%	\$21.60	0	0	0	0	0	0	0	1(0.0%)	308(3.5%)	39(0.4%)
76%	\$22.81	0	0	0	0	0	0	0	1(0.0%)	306(3.5%)	38(0.4%)
80%	\$24.60	0	0	0	0	0	0	0	0	326(3.8%)	22(0.3%)
84%	\$26.97	0	0	0	0	0	0	0	0	323(3.7%)	24(0.3%)
88%	\$29.61	0	0	0	0	0	0	0	0	324(3.7%)	25(0.3%)
92%	\$33.77	0	0	0	0	0	0	0	0	322(3.7%)	25(0.3%)
96%	\$42.87	0	0	0	0	0	0	0	0	340(3.9%)	7(0.1%)
100%	\$859.42	0	0	0	0	0	0	0	0	344(4.0%)	3(0.0%)
TOTAL		0	0	0	3	1	0	2	98	8,044	544
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	92.5%	6.3%
CUMULATIVE		0	0	0	3	4	4	6	104	8,148	8,692
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	1.2%	93.7%	100.0%
AVG. MO DIFF.					\$-0.0	\$-0.0		\$0.2	\$8.0	\$20.1	\$19.2

A3-9



CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Total Annual Bill Summary by Rate Schedules

Comparison Between 2015 Proposed Rates

AND 2016 Proposed Rates (Assuming 2.1% increase in RRQ)

RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016

LAST RATE SCHEDULE	COUNT	ANNUAL TOTAL KWH	TOTAL ANNUAL CURRENT BILLS	CURRENT AVG RATE	TOTAL ANNUAL PROPOSED BILLS	PROPOSED AVG RATE	DIFFERENCE (PROPOSED-CURRENT)	{PROPOSED-CURRENT}/CURRENT	MAX DIFFERENCE	MIN DIFFERENCE
E1	2,815,104	18,278,276,127	\$3,708,377,327	0.20288	\$3,786,953,441	0.20718	\$78,576,114	2.12%	\$137	\$-60,167
E1L	1,156,472	7,576,011,970	\$870,102,604	0.11485	\$942,530,966	0.12441	\$72,428,362	8.32%	\$395	\$17
E6	5,462	52,512,188	\$11,151,158	0.21235	\$9,814,128	0.18689	\$-1,337,031	( 11.99%)	\$548	\$-60,126
E6L	379	6,078,576	\$735,634	0.12102	\$730,132	0.12012	\$-5,502	( 0.75%)	\$717	\$-2,569
E7	57,771	606,295,672	\$126,944,696	0.20938	\$109,971,124	0.18138	\$-16,973,572	( 13.37%)	\$1,750	\$-27,835
E7L	7,757	84,873,446	\$9,648,091	0.11368	\$9,837,358	0.11591	\$189,267	1.96%	\$520	\$-5,263
E8	43,911	675,567,529	\$157,154,250	0.23263	\$151,295,787	0.22395	\$-5,858,464	( 3.73%)	\$527	\$-12,200
E8L	8,692	136,763,391	\$17,163,068	0.12549	\$17,424,993	0.12741	\$261,926	1.53%	\$748	\$-772
TOTAL	4,095,548	27,416,378,899	\$4,901,276,827	0.17877	\$5,028,557,928	0.18341	\$127,281,100	2.60%	\$5,342	\$-168,915

A3-10

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between 2015 Proposed Rates

AND 2016 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RROR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016

RES full service

----- LAST RATE SCHEDULE=E1 -----

PCT	MONTHLY \$ DIFFERENCE	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
		DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4%	\$-9.70	0	0	38,704 (1.4%)	73,978 (2.6%)	0	0	0	0	0	0
8%	\$-4.40	0	0	0	112,615 (4.0%)	0	0	0	0	0	0
12%	\$-1.58	0	0	0	112,875 (4.0%)	0	0	0	0	0	0
16%	\$0.29	0	0	0	90,727 (3.2%)	1,166 (0.0%)	1,191 (0.0%)	19,161 (0.7%)	0	0	0
20%	\$1.67	0	0	0	0	0	0	113,491 (4.0%)	0	0	0
24%	\$2.70	0	0	0	0	0	0	112,269 (4.0%)	10 (0.0%)	0	0
28%	\$3.48	0	0	0	0	0	0	112,631 (4.0%)	385 (0.0%)	0	0
32%	\$4.06	0	0	0	0	0	0	109,890 (3.9%)	3,220 (0.1%)	64 (0.0%)	0
36%	\$4.48	0	0	0	0	0	0	98,261 (3.5%)	15,219 (0.5%)	442 (0.0%)	4 (0.0%)
40%	\$4.76	0	0	0	0	0	0	69,888 (2.5%)	41,776 (1.5%)	1,307 (0.0%)	54 (0.0%)
44%	\$4.93	0	0	0	0	0	0	44,941 (1.6%)	60,516 (2.1%)	10,577 (0.4%)	5,495 (0.2%)
48%	\$4.95	0	0	0	0	0	0	5,736 (0.2%)	24,903 (0.9%)	52,749 (1.9%)	24,712 (0.9%)
52%	\$4.97	0	0	0	0	0	0	6,812 (0.2%)	51,038 (1.8%)	127,282 (4.5%)	70,218 (2.5%)
60%	\$4.98	0	0	0	0	0	0	4,356 (0.2%)	51,694 (1.8%)	120,047 (4.3%)	70,289 (2.5%)
68%	\$4.99	0	0	0	0	0	0	4,813 (0.2%)	66,764 (2.4%)	66,868 (2.4%)	10,981 (0.4%)
72%	\$5.00	0	0	0	0	0	0	5,775 (0.2%)	84,190 (3.0%)	92,989 (3.3%)	39,786 (1.4%)
80%	\$5.01	0	0	0	0	0	0	5,862 (0.2%)	84,583 (3.0%)	21,129 (0.8%)	3,184 (0.1%)
84%	\$5.02	0	0	0	0	0	0	6,151 (0.2%)	78,782 (2.8%)	9,055 (0.3%)	1,672 (0.1%)
88%	\$5.03	0	0	0	0	0	0	6,645 (0.2%)	72,507 (2.6%)	2,045 (0.1%)	344 (0.0%)
92%	\$5.04	0	0	0	0	0	0	6,627 (0.2%)	61,550 (2.2%)	917 (0.0%)	429 (0.0%)
96%	\$5.07	0	0	0	0	0	0	18,824 (0.7%)	119,871 (4.3%)	833 (0.0%)	276 (0.0%)
100%	\$11.40	0	0	0	0	0	0	41,794 (1.5%)	39,108 (1.4%)	40 (0.0%)	17 (0.0%)
TOTAL		0	0	38,704	390,195	1,166	1,191	793,927	856,116	506,344	227,461
		0.0%	0.0%	1.4%	13.9%	0.0%	0.0%	28.2%	30.4%	18.0%	8.1%
CUMULATIVE		0	0	38,704	428,899	430,065	431,256	1225183	2081299	2587643	2815104
		0.0%	0.0%	1.4%	15.2%	15.3%	15.3%	43.5%	73.9%	91.9%	100.0%
AVG.MO DIFF.				\$-43.6	\$-5.6	\$-0.0	\$0.0	\$3.4	\$5.0	\$5.0	\$5.0

A3-11

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
 Comparison Between 2015 Proposed Rates  
 AND 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
 FOR ANNUAL

RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
 RES full service

----- LAST RATE SCHEDULE=E1L -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4%	\$3.29	0	0	0	0	0	0	5(0.0%)	49(0.0%)	47,482(4.1%)
8%	\$3.54	0	0	0	0	0	2(0.0%)	7(0.0%)	32,571(2.8%)	13,899(1.2%)
12%	\$3.74	0	0	0	0	0	1(0.0%)	26(0.0%)	46,876(4.1%)	0
16%	\$3.91	0	0	0	0	0	3(0.0%)	21(0.0%)	44,496(3.8%)	0
20%	\$4.08	0	0	0	0	0	5(0.0%)	42(0.0%)	47,378(4.1%)	0
24%	\$4.24	0	0	0	0	0	6(0.0%)	91(0.0%)	46,961(4.1%)	0
28%	\$4.39	0	0	0	0	0	3(0.0%)	144(0.0%)	44,361(3.8%)	0
32%	\$4.55	0	0	0	0	0	13(0.0%)	407(0.0%)	47,212(4.1%)	0
36%	\$4.70	0	0	0	0	0	40(0.0%)	790(0.1%)	44,248(3.8%)	0
40%	\$4.86	0	0	0	0	0	50(0.0%)	1,867(0.2%)	46,075(4.0%)	0
44%	\$5.01	0	0	0	0	0	86(0.0%)	3,992(0.3%)	41,439(3.6%)	0
48%	\$5.16	0	0	0	0	0	275(0.0%)	10,442(0.9%)	36,837(3.2%)	0
52%	\$5.28	0	0	0	0	0	1,620(0.1%)	20,197(1.7%)	25,090(2.2%)	0
56%	\$5.37	0	0	0	0	0	6,275(0.5%)	20,887(1.8%)	17,493(1.5%)	0
60%	\$5.56	0	0	0	0	0	122(0.0%)	16,630(1.4%)	27,702(2.4%)	0
64%	\$5.76	0	0	0	0	0	231(0.0%)	36,925(3.2%)	10,228(0.9%)	0
68%	\$5.95	0	0	0	0	0	646(0.1%)	41,767(3.6%)	3,932(0.3%)	0
72%	\$6.13	0	0	0	0	0	1,818(0.2%)	42,616(3.7%)	1,768(0.2%)	0
76%	\$6.28	0	0	0	0	0	2,262(0.2%)	43,384(3.8%)	19(0.0%)	0
80%	\$6.41	0	0	0	0	0	8,698(0.8%)	37,583(3.2%)	0	0
84%	\$6.68	0	0	0	0	0	1,331(0.1%)	45,773(4.0%)	0	0
88%	\$6.93	0	0	0	0	0	2,279(0.2%)	42,923(3.7%)	0	0
92%	\$7.14	0	0	0	0	0	11,930(1.0%)	34,283(3.0%)	0	0
96%	\$7.82	0	0	0	0	0	16,968(1.5%)	28,774(2.5%)	0	0
100%	\$32.88	0	0	0	0	0	5,721(0.5%)	40,395(3.5%)	0	0
TOTAL		0	0	0	0	0	60,385	469,971	564,735	61,381
		0.0%	0.0%	0.0%	0.0%	0.0%	5.2%	40.6%	48.8%	5.3%
CUMULATIVE		0	0	0	0	0	60,385	530,356	1095091	1156472
		0.0%	0.0%	0.0%	0.0%	0.0%	5.2%	45.9%	94.7%	100.0%
AVG.MO DIFF.							\$7.0	\$6.5	\$4.5	\$3.1

A3-12

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between 2015 Proposed Rates

AND 2016 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RROI update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016

RES full service

----- LAST RATE SCHEDULE=E6 -----

\$ MONTHLY \$ PCT DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE	
4%	-161.3	218(4.0%)	0	0	0	0	0	0	0	0	
8%	-82.87	217(4.0%)	3(0.1%)	0	0	0	0	0	0	0	
12%	-55.42	180(3.3%)	37(0.7%)	0	0	0	0	0	0	0	
16%	-37.65	39(0.7%)	180(3.3%)	0	0	0	0	0	0	0	
20%	-26.36	4(0.1%)	208(3.8%)	6(0.1%)	0	0	0	0	0	0	
24%	-17.70	0	190(3.5%)	29(0.5%)	0	0	0	0	0	0	
28%	-11.10	0	55(1.0%)	157(2.9%)	6(0.1%)	0	0	0	0	0	
32%	\$-6.26	0	3(0.1%)	149(2.7%)	67(1.2%)	0	0	0	0	0	
36%	\$-2.03	0	0	11(0.2%)	207(3.8%)	0	0	0	0	0	
40%	\$1.25	0	0	0	120(2.2%)	1(0.0%)	2(0.0%)	96(1.8%)	0	0	
44%	\$4.08	0	0	0	0	0	0	205(3.8%)	12(0.2%)	1(0.0%)	
48%	\$6.50	0	0	0	0	0	0	97(1.8%)	91(1.7%)	24(0.4%)	
52%	\$8.47	0	0	0	0	0	0	12(0.2%)	135(2.5%)	56(1.0%)	
56%	\$10.09	0	0	0	0	0	0	4(0.1%)	73(1.3%)	106(1.9%)	
60%	\$11.32	0	0	0	0	0	0	3(0.1%)	22(0.4%)	122(2.2%)	
64%	\$12.23	0	0	0	0	0	0	0	8(0.1%)	112(2.1%)	
68%	\$12.98	0	0	0	0	0	0	0	5(0.1%)	82(1.5%)	
72%	\$13.65	0	0	0	0	0	0	0	1(0.0%)	70(1.3%)	
76%	\$14.34	0	0	0	0	0	0	1(0.0%)	3(0.1%)	56(1.0%)	
80%	\$15.05	0	0	0	0	0	0	0	4(0.1%)	56(1.0%)	
84%	\$15.82	0	0	0	0	0	0	1(0.0%)	3(0.1%)	36(0.7%)	
88%	\$16.72	0	0	0	0	0	0	0	2(0.0%)	27(0.5%)	
92%	\$18.07	0	0	0	0	0	0	0	6(0.1%)	23(0.4%)	
96%	\$22.83	0	0	0	0	0	0	0	5(0.1%)	43(0.8%)	
100%	\$45.67	0	0	0	0	0	0	0	7(0.1%)	58(1.1%)	
TOTAL		658 12.0%	676 12.4%	352 6.4%	400 7.3%	1 0.0%	2 0.0%	419 7.7%	377 6.9%	854 15.6%	1,723 31.5%
CUMULATIVE		658 12.0%	1,334 24.4%	1,686 30.9%	2,086 38.2%	2,087 38.2%	2,089 38.2%	2,508 45.9%	2,885 52.8%	3,739 68.5%	5,462 100.0%
AVG.MO DIFF.		\$-196.6	\$-33.2	\$-12.4	\$-3.9	\$-0.0	\$0.0	\$3.0	\$8.5	\$13.5	\$16.0

A3-13

RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT) PACIFIC GAS AND ELECTRIC COMPANY 10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2015 Proposed Rates  
AND 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E6L -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4%	-80.10	0	15 (4.0%)	0	0	0	0	0	0	0
8%	-50.22	0	13 (3.4%)	2 (0.5%)	0	0	0	0	0	0
12%	-33.94	0	5 (1.3%)	10 (2.6%)	0	0	0	0	0	0
16%	-19.82	0	2 (0.5%)	12 (3.2%)	1 (0.3%)	0	0	0	0	0
20%	\$-7.89	0	0	10 (2.6%)	6 (1.6%)	0	0	0	0	0
24%	\$-2.92	0	0	0	15 (4.0%)	0	0	0	0	0
28%	\$2.74	0	0	0	7 (1.8%)	0	6 (1.6%)	0	1 (0.3%)	1 (0.3%)
32%	\$4.50	0	0	0	0	0	14 (3.7%)	0	0	1 (0.3%)
36%	\$6.08	0	0	0	0	0	6 (1.6%)	4 (1.1%)	1 (0.3%)	4 (1.1%)
40%	\$7.66	0	0	0	0	0	1 (0.3%)	11 (2.9%)	0	4 (1.1%)
44%	\$8.53	0	0	0	0	0	0	6 (1.6%)	2 (0.5%)	7 (1.8%)
48%	\$9.25	0	0	0	0	0	0	4 (1.1%)	3 (0.8%)	9 (2.4%)
52%	\$9.62	0	0	0	0	0	0	2 (0.5%)	6 (1.6%)	6 (1.6%)
56%	\$10.32	0	0	0	0	0	0	1 (0.3%)	6 (1.6%)	9 (2.4%)
60%	\$10.80	0	0	0	0	0	0	1 (0.3%)	6 (1.6%)	8 (2.1%)
64%	\$11.64	0	0	0	0	0	0	0	5 (1.3%)	10 (2.6%)
68%	\$12.19	0	0	0	0	0	3 (0.8%)	0	5 (1.3%)	7 (1.8%)
72%	\$12.91	0	0	0	0	0	0	0	3 (0.8%)	12 (3.2%)
76%	\$13.77	0	0	0	0	0	0	0	7 (1.8%)	8 (2.1%)
80%	\$14.72	0	0	0	0	0	0	1 (0.3%)	5 (1.3%)	10 (2.6%)
84%	\$16.24	0	0	0	0	0	0	3 (0.8%)	0	12 (3.2%)
88%	\$18.72	0	0	0	0	0	0	0	3 (0.8%)	12 (3.2%)
92%	\$21.18	0	0	0	0	0	0	0	3 (0.8%)	12 (3.2%)
96%	\$24.52	0	0	0	0	0	0	0	8 (2.1%)	7 (1.8%)
100%	\$59.78	0	0	0	0	0	0	0	2 (0.5%)	13 (3.4%)
TOTAL		0	35	34	29	0	30	33	66	152
		0.0%	9.2%	9.0%	7.7%	0.0%	0.0%	7.9%	8.7%	40.1%
CUMULATIVE		0	35	69	98	98	98	128	161	379
		0.0%	9.2%	18.2%	25.9%	25.9%	25.9%	33.8%	42.5%	100.0%
AVG. MO DIFF.			\$-82.7	\$-29.0	\$-5.9		\$4.6	\$8.4	\$14.4	\$14.8

A3-14

RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT)      PACIFIC GAS AND ELECTRIC COMPANY      10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2015 Proposed Rates  
AND 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E7 -----

PCT	MONTHLY \$ DIFFERENCE	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
		DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4%	-129.4	2,308(4.0%)	2(0.0%)	0	0	0	0	0	0	0	0
8%	-92.67	2,305(4.0%)	7(0.0%)	0	0	0	0	0	0	0	0
12%	-73.33	2,163(3.7%)	148(0.3%)	1(0.0%)	0	0	0	0	0	0	0
16%	-60.02	2,027(3.5%)	283(0.5%)	2(0.0%)	0	0	0	0	0	0	0
20%	-49.87	1,754(3.0%)	548(0.9%)	6(0.0%)	0	0	0	0	0	0	0
24%	-41.65	1,107(1.9%)	1,200(2.1%)	6(0.0%)	0	0	0	0	0	0	0
28%	-34.46	404(0.7%)	1,893(3.3%)	12(0.0%)	0	0	0	0	0	0	0
32%	-28.30	105(0.2%)	2,141(3.7%)	66(0.1%)	0	0	0	0	0	0	0
36%	-22.75	10(0.0%)	2,007(3.5%)	286(0.5%)	7(0.0%)	0	0	0	0	0	0
40%	-17.77	4(0.0%)	1,789(3.1%)	510(0.9%)	11(0.0%)	0	0	0	0	0	0
44%	-13.27	0	880(1.5%)	1,394(2.4%)	36(0.1%)	0	0	0	0	0	0
48%	\$-9.11	0	160(0.3%)	1,873(3.2%)	278(0.5%)	0	0	0	0	0	0
52%	\$-5.38	0	2(0.0%)	1,204(2.1%)	1,106(1.9%)	0	0	0	0	0	0
56%	\$-2.14	0	0	49(0.1%)	2,261(3.9%)	0	0	0	0	0	0
60%	\$0.80	0	0	0	1,629(2.8%)	12(0.0%)	4(0.0%)	676(1.2%)	0	0	0
64%	\$3.25	0	0	0	0	0	0	2,291(4.0%)	7(0.0%)	1(0.0%)	0
68%	\$5.31	0	0	0	0	0	0	1,629(2.8%)	615(1.1%)	11(0.0%)	65(0.1%)
72%	\$7.14	0	0	0	0	0	0	472(0.8%)	1,470(2.5%)	195(0.3%)	175(0.3%)
76%	\$8.74	0	0	0	0	0	0	240(0.4%)	938(1.6%)	757(1.3%)	380(0.7%)
80%	\$10.13	0	0	0	0	0	0	72(0.1%)	492(0.9%)	1,081(1.9%)	650(1.1%)
84%	\$11.51	0	0	0	0	0	0	24(0.0%)	366(0.6%)	1,027(1.8%)	900(1.6%)
88%	\$13.05	0	0	0	0	0	0	20(0.0%)	379(0.7%)	808(1.4%)	1,100(1.9%)
92%	\$15.23	0	0	0	0	0	0	7(0.0%)	353(0.6%)	805(1.4%)	1,149(2.0%)
96%	\$18.44	0	0	0	0	0	0	5(0.0%)	155(0.3%)	1,180(2.0%)	970(1.7%)
100%	145.84	0	0	0	0	0	0	2(0.0%)	91(0.2%)	1,040(1.8%)	1,173(2.0%)
TOTAL		12,187 21.1%	11,060 19.1%	5,409 9.4%	5,328 9.2%	12 0.0%	4 0.0%	5,438 9.4%	4,866 8.4%	6,905 12.0%	6,562 11.4%
CUMULATIVE		12,187 21.1%	23,247 40.2%	28,656 49.6%	33,984 58.8%	33,996 58.8%	34,000 58.9%	39,438 68.3%	44,304 76.7%	51,209 88.6%	57,771 100.0%
AVG. MO DIFF.		\$-101.0	\$-32.3	\$-13.3	\$-4.0	\$-0.0	\$0.0	\$3.3	\$8.7	\$13.5	\$14.3

A3-15

A PERCENTAGE DIFFERENCE WHICH FALLS ON A COLUMN BOUNDARY IS INCLUDED IN THE HIGHER COLUMN

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
 Comparison Between 2015 Proposed Rates  
 AND 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
 FOR ANNUAL

RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
 RES full service

----- LAST RATE SCHEDULE=E7L -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%	
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE	
4%	-28.47	21(0.3%)	272(3.5%)	16(0.2%)	1(0.0%)	0	0	0	0	0	
8%	-16.63	0	222(2.9%)	88(1.1%)	0	0	0	0	0	0	
12%	\$-9.80	0	64(0.8%)	233(3.0%)	14(0.2%)	0	0	0	0	0	
16%	\$-5.53	0	1(0.0%)	193(2.5%)	118(1.5%)	0	0	0	0	0	
20%	\$-2.53	0	0	20(0.3%)	288(3.7%)	0	0	0	0	0	
24%	\$-0.31	0	0	0	312(4.0%)	0	0	0	0	0	
28%	\$1.51	0	0	0	50(0.6%)	1(0.0%)	1(0.0%)	258(3.3%)	0	0	
32%	\$2.92	0	0	0	0	0	0	297(3.8%)	6(0.1%)	7(0.1%)	
36%	\$3.93	0	0	0	0	0	0	194(2.5%)	83(1.1%)	10(0.1%)	
40%	\$4.68	0	0	0	0	0	0	96(1.2%)	148(1.9%)	28(0.4%)	
44%	\$5.29	0	0	0	0	0	0	48(0.6%)	152(2.0%)	58(0.7%)	
48%	\$5.79	0	0	0	0	0	0	23(0.3%)	133(1.7%)	105(1.4%)	
52%	\$6.24	0	0	0	0	0	0	32(0.4%)	85(1.1%)	122(1.6%)	
56%	\$6.71	0	0	0	0	0	0	17(0.2%)	83(1.1%)	153(2.0%)	
60%	\$7.18	0	0	0	0	0	0	7(0.1%)	59(0.8%)	177(2.3%)	
64%	\$7.66	0	0	0	0	0	0	7(0.1%)	54(0.7%)	159(2.0%)	
68%	\$8.25	0	0	0	0	0	0	10(0.1%)	59(0.8%)	172(2.2%)	
72%	\$8.88	0	0	0	0	0	0	5(0.1%)	81(1.0%)	144(1.9%)	
76%	\$9.67	0	0	0	0	0	0	6(0.1%)	82(1.1%)	161(2.1%)	
80%	\$10.67	0	0	0	0	0	0	1(0.0%)	74(1.0%)	170(2.2%)	
84%	\$11.77	0	0	0	0	0	0	0	56(0.7%)	198(2.6%)	
88%	\$13.01	0	0	0	0	0	0	0	53(0.7%)	197(2.5%)	
92%	\$14.48	0	0	0	0	0	0	0	26(0.3%)	217(2.8%)	
96%	\$17.29	0	0	0	0	0	0	0	22(0.3%)	199(2.6%)	
100%	\$43.35	0	0	0	0	0	0	0	12(0.2%)	182(2.3%)	
TOTAL		21 0.3%	559 7.2%	550 7.1%	783 10.1%	1 0.0%	1 0.0%	1,001 12.9%	1,268 16.3%	2,452 31.6%	1,121 14.5%
CUMULATIVE		21 0.3%	580 7.5%	1,130 14.6%	1,913 24.7%	1,914 24.7%	1,915 24.7%	2,916 37.6%	4,184 53.9%	6,636 85.5%	7,757 100.0%
AVG. MO DIFF.		\$-143.2	\$-36.7	\$-12.5	\$-3.3	\$-0.0	\$0.0	\$2.9	\$7.3	\$10.4	\$10.1

A3-16

RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT) PACIFIC GAS AND ELECTRIC COMPANY 10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2015 Proposed Rates  
AND 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E8 -----

\$ MONTHLY \$ PCT DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE	
4%	-45.62	0	2(0.0%)	1,741(4.0%)	14(0.0%)	0	0	0	0	0	
8%	-31.39	0	2(0.0%)	1,645(3.7%)	110(0.3%)	0	0	0	0	0	
12%	-24.63	0	1(0.0%)	1,482(3.4%)	273(0.6%)	0	0	0	0	0	
16%	-20.40	0	0	1,322(3.0%)	433(1.0%)	0	0	0	0	0	
20%	-17.42	0	0	1,052(2.4%)	706(1.6%)	0	0	0	0	0	
24%	-15.08	0	0	671(1.5%)	1,090(2.5%)	0	0	0	0	0	
28%	-13.18	0	0	335(0.8%)	1,417(3.2%)	0	0	0	0	0	
32%	-11.49	0	0	146(0.3%)	1,618(3.7%)	0	0	0	0	0	
36%	-10.02	0	0	56(0.1%)	1,705(3.9%)	0	0	0	0	0	
40%	-\$-8.72	0	1(0.0%)	38(0.1%)	1,709(3.9%)	0	0	0	0	0	
44%	-\$-7.51	0	0	19(0.0%)	1,747(4.0%)	0	0	0	0	0	
48%	-\$-6.41	0	0	24(0.1%)	1,739(4.0%)	0	0	0	0	0	
52%	-\$-5.39	0	0	12(0.0%)	1,730(3.9%)	0	0	0	0	0	
56%	-\$-4.41	0	2(0.0%)	12(0.0%)	1,753(4.0%)	0	0	0	0	0	
60%	-\$-3.54	0	1(0.0%)	21(0.0%)	1,738(4.0%)	0	0	0	0	0	
64%	-\$-2.72	0	17(0.0%)	18(0.0%)	1,723(3.9%)	0	0	0	0	0	
68%	-\$-2.05	38(0.1%)	72(0.2%)	110(0.3%)	1,540(3.5%)	0	0	0	0	0	
72%	-\$-1.46	0	5(0.0%)	68(0.2%)	1,687(3.8%)	0	0	0	0	0	
76%	-\$-0.94	0	0	3(0.0%)	1,737(4.0%)	0	0	0	0	0	
80%	-\$-0.44	0	0	0	1,752(4.0%)	0	0	0	0	0	
84%	\$0.09	0	0	0	1,444(3.3%)	61(0.1%)	40(0.1%)	226(0.5%)	0	0	
88%	\$0.87	0	0	0	0	0	1,741(4.0%)	0	0	0	
92%	\$2.11	0	0	0	0	0	1,754(4.0%)	0	0	0	
96%	\$4.17	0	0	0	0	0	1,748(4.0%)	6(0.0%)	0	0	
100%	\$43.96	0	0	0	0	0	1,681(3.8%)	73(0.2%)	0	0	
TOTAL		38 0.1%	103 0.2%	8,775 20.0%	27,665 63.0%	61 0.1%	40 0.1%	7,150 16.3%	79 0.2%	0 0.0%	0 0.0%
CUMULATIVE		38 0.1%	141 0.3%	8,916 20.3%	36,581 83.3%	36,642 83.4%	36,682 83.5%	43,832 99.8%	43,911 100.0%	43,911 100.0%	43,911 100.0%
AVG.MO DIFF.		-\$-2.5	-\$-6.6	-\$-36.2	-\$-7.0	-\$-0.0	\$0.0	\$2.8	\$11.9		

A3-17



RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT) PACIFIC GAS AND ELECTRIC COMPANY 10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2015 Proposed Rates  
AND 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E8L -----

\$ MONTHLY \$ PCT DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE	
4%	\$-6.23	0	4(0.0%)	100(1.2%)	245(2.8%)	0	0	0	0	0	
8%	\$-4.51	12(0.1%)	12(0.1%)	84(1.0%)	242(2.8%)	0	0	0	0	0	
12%	\$-3.66	6(0.1%)	21(0.2%)	54(0.6%)	265(3.0%)	0	0	0	0	0	
16%	\$-2.93	1(0.0%)	26(0.3%)	66(0.8%)	254(2.9%)	0	0	0	0	0	
20%	\$-2.38	0	2(0.0%)	55(0.6%)	290(3.3%)	0	0	0	0	0	
24%	\$-1.88	0	0	19(0.2%)	331(3.8%)	0	0	0	0	0	
28%	\$-1.45	0	0	0	347(4.0%)	0	0	0	0	0	
32%	\$-1.05	0	0	0	351(4.0%)	0	0	0	0	0	
36%	\$-0.60	0	0	0	348(4.0%)	0	0	0	0	0	
40%	\$-0.16	0	0	0	346(4.0%)	0	0	0	0	0	
44%	\$0.28	0	0	0	112(1.3%)	11(0.1%)	10(0.1%)	218(2.5%)	0	0	
48%	\$0.75	0	0	0	0	0	0	341(3.9%)	0	0	
52%	\$1.28	0	0	0	0	0	0	352(4.0%)	0	0	
56%	\$1.87	0	0	0	0	0	0	344(4.0%)	0	0	
60%	\$2.56	0	0	0	0	0	0	347(4.0%)	0	0	
64%	\$3.41	0	0	0	0	0	0	344(4.0%)	6(0.1%)	0	
68%	\$4.27	0	0	0	0	0	0	339(3.9%)	8(0.1%)	0	
72%	\$5.24	0	0	0	0	0	0	303(3.5%)	46(0.5%)	0	
76%	\$6.25	0	0	0	0	0	0	279(3.2%)	67(0.8%)	0	
80%	\$7.53	0	0	0	0	0	0	231(2.7%)	115(1.3%)	0	
84%	\$8.95	0	0	0	0	0	0	188(2.2%)	159(1.8%)	1(0.0%)	
88%	\$10.45	0	0	0	0	0	0	134(1.5%)	206(2.4%)	8(0.1%)	
92%	\$12.51	0	0	0	0	0	0	123(1.4%)	209(2.4%)	16(0.2%)	
96%	\$15.82	0	0	0	0	0	0	69(0.8%)	245(2.8%)	33(0.4%)	
100%	\$62.29	0	0	0	0	0	0	55(0.6%)	241(2.8%)	50(0.6%)	
TOTAL		19 0.2%	65 0.7%	378 4.3%	3,131 36.0%	11 0.1%	10 0.1%	3,667 42.2%	1,302 15.0%	108 1.2%	1 0.0%
CUMULATIVE		19 0.2%	84 1.0%	462 5.3%	3,593 41.3%	3,604 41.5%	3,614 41.6%	7,281 83.8%	8,583 98.7%	8,691 100.0%	8,692 100.0%
AVG.MO DIFF.		\$-4.7	\$-4.2	\$-5.4	\$-2.6	\$-0.0	\$0.0	\$4.1	\$12.0	\$16.4	\$24.8

A3-18

RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT) PACIFIC GAS AND ELECTRIC COMPANY 10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Total Annual Bill Summary by Rate Schedules  
Comparison Between 2016 Proposed Rates  
AND 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016

LAST RATE SCHEDULE	COUNT	ANNUAL TOTAL KWH	TOTAL ANNUAL CURRENT BILLS	CURRENT AVG RATE	TOTAL ANNUAL PROPOSED BILLS	PROPOSED AVG RATE	DIFFERENCE (PROPOSED-CURRENT)	(PROPOSED-CURRENT) / CURRENT	MAX DIFFERENCE	MIN DIFFERENCE
E1	2,815,104	18,278,276,127	\$3,786,953,441	0.20718	\$3,862,940,767	0.21134	\$75,987,327	2.01%	\$1,216	\$-52,006
E1L	1,156,472	7,576,011,970	\$942,530,966	0.12441	\$1,007,982,413	0.13305	\$65,451,447	6.94%	\$634	\$1
E6	5,462	52,512,188	\$9,814,128	0.18689	\$10,051,866	0.19142	\$237,739	2.42%	\$2,131	\$2
E6L	379	6,078,576	\$730,132	0.12012	\$747,360	0.12295	\$17,228	2.36%	\$363	\$4
E7	57,771	606,295,672	\$109,971,124	0.18138	\$112,520,178	0.18559	\$2,549,054	2.32%	\$802	\$2
E7L	7,757	84,873,446	\$9,837,358	0.11591	\$10,064,234	0.11858	\$226,876	2.31%	\$475	\$1
E8	43,911	675,567,529	\$151,295,787	0.22395	\$148,775,694	0.22022	\$-2,520,093	( 1.67%)	\$578	\$-12,379
E8L	8,692	136,763,391	\$17,424,993	0.12741	\$18,397,861	0.13452	\$972,867	5.58%	\$588	\$1
TOTAL	4,095,548	27,416,378,899	\$5,028,557,928	0.18341	\$5,171,480,373	0.18863	\$142,922,445	2.84%	\$6,788	\$-64,374

A3-19

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between 2016 Proposed Rates

AND 2017 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RROR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016

RES full service

----- LAST RATE SCHEDULE=E1 -----

PCT	MONTHLY \$ DIFFERENCE	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
		DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4%	\$-7.64	0	0	25,126(0.9%)	87,560(3.1%)	0	0	0	0	0	0
8%	\$-3.13	0	0	13(0.0%)	112,579(4.0%)	0	0	0	0	0	0
12%	\$-0.71	0	0	0	112,974(4.0%)	0	0	0	0	0	0
16%	\$0.47	0	0	0	43,432(1.5%)	1,247(0.0%)	1,163(0.0%)	66,391(2.4%)	0	0	0
20%	\$1.15	0	0	0	0	0	0	80,065(2.8%)	33,247(1.2%)	0	0
24%	\$1.68	0	0	0	0	0	0	51,680(1.8%)	61,714(2.2%)	0	0
28%	\$2.11	0	0	0	0	0	0	47,587(1.7%)	64,181(2.3%)	0	0
32%	\$2.49	0	0	0	0	0	0	47,884(1.7%)	67,034(2.4%)	0	0
36%	\$2.81	0	0	0	0	0	0	46,352(1.6%)	64,601(2.3%)	0	0
40%	\$3.10	0	0	0	0	0	0	48,693(1.7%)	66,209(2.4%)	0	0
44%	\$3.34	0	0	0	0	0	0	47,275(1.7%)	64,021(2.3%)	0	0
48%	\$3.53	0	0	0	0	0	0	45,740(1.6%)	65,234(2.3%)	0	0
52%	\$3.65	0	0	0	0	0	0	43,735(1.6%)	92,718(3.3%)	0	0
56%	\$3.79	0	0	0	0	0	0	30,128(1.1%)	60,304(2.1%)	0	0
60%	\$4.10	0	0	0	0	0	0	50,689(1.8%)	62,930(2.2%)	0	0
64%	\$4.36	0	0	0	0	0	0	50,137(1.8%)	63,372(2.3%)	0	0
68%	\$4.56	0	0	0	0	0	0	46,463(1.7%)	63,267(2.2%)	0	0
72%	\$4.73	0	0	0	0	0	0	45,378(1.6%)	68,330(2.4%)	0	0
76%	\$4.85	0	0	0	0	0	0	38,908(1.4%)	96,931(3.4%)	0	0
80%	\$4.89	0	0	0	0	0	0	23,704(0.8%)	115,384(4.1%)	0	0
84%	\$5.02	0	0	0	0	0	0	16,606(0.6%)	46,152(1.6%)	0	0
88%	\$5.42	0	0	0	0	0	0	38,578(1.4%)	74,220(2.6%)	0	0
92%	\$5.75	0	0	0	0	0	0	27,863(1.0%)	85,516(3.0%)	0	0
96%	\$6.98	0	0	0	0	0	0	18,217(0.6%)	91,084(3.2%)	0	0
100%	101.34	0	0	0	0	0	0	22,698(0.8%)	89,790(3.2%)	0	0
TOTAL		0	0	25,139	356,545	1,247	1,163	934,771	1496239	0	0
		0.0%	0.0%	0.9%	12.7%	0.0%	0.0%	33.2%	53.2%	0.0%	0.0%
CUMULATIVE		0	0	25,139	381,684	382,931	384,094	1318865	2815104	2815104	2815104
		0.0%	0.0%	0.9%	13.6%	13.6%	13.6%	46.8%	100.0%	100.0%	100.0%
AVG.MO DIFF.				\$-45.9	\$-5.3	\$-0.0	\$0.0	\$3.3	\$4.3		

A3-20

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between 2016 Proposed Rates

AND 2017 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016

RES full service

----- LAST RATE SCHEDULE=E1L -----

\$ PCT	MONTHLY \$ DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE
4%	\$1.31	0	0	0	0	0	0	3,206(0.3%)	43,733(3.8%)	0	0
8%	\$1.69	0	0	0	0	0	0	13(0.0%)	46,623(4.0%)	0	0
12%	\$1.99	0	0	0	0	0	0	12(0.0%)	45,621(3.9%)	0	0
16%	\$2.27	0	0	0	0	0	0	21(0.0%)	46,668(4.0%)	0	0
20%	\$2.54	0	0	0	0	0	0	15(0.0%)	46,623(4.0%)	0	0
24%	\$2.80	0	0	0	0	0	0	24(0.0%)	45,807(4.0%)	0	0
28%	\$3.07	0	0	0	0	0	0	33(0.0%)	46,752(4.0%)	0	0
32%	\$3.34	0	0	0	0	0	0	22(0.0%)	45,503(3.9%)	0	0
36%	\$3.62	0	0	0	0	0	0	50(0.0%)	46,625(4.0%)	0	0
40%	\$3.90	0	0	0	0	0	0	83(0.0%)	45,640(3.9%)	0	0
44%	\$4.19	0	0	0	0	0	0	112(0.0%)	46,722(4.0%)	0	0
48%	\$4.47	0	0	0	0	0	0	195(0.0%)	45,278(3.9%)	0	0
52%	\$4.75	0	0	0	0	0	0	394(0.0%)	46,852(4.1%)	0	0
56%	\$4.99	0	0	0	0	0	0	1,430(0.1%)	45,536(3.9%)	0	0
60%	\$5.14	0	0	0	0	0	0	9,561(0.8%)	35,095(3.0%)	0	0
64%	\$5.51	0	0	0	0	0	0	216(0.0%)	46,085(4.0%)	0	0
68%	\$5.88	0	0	0	0	0	0	371(0.0%)	45,762(4.0%)	0	0
72%	\$6.24	0	0	0	0	0	0	1,323(0.1%)	45,379(3.9%)	0	0
76%	\$6.59	0	0	0	0	0	0	1,398(0.1%)	44,908(3.9%)	0	0
80%	\$6.79	0	0	0	0	0	0	6,350(0.5%)	39,542(3.4%)	0	0
84%	\$7.22	0	0	0	0	0	0	3,928(0.3%)	42,727(3.7%)	0	0
88%	\$7.72	0	0	0	0	0	0	2,173(0.2%)	43,773(3.8%)	0	0
92%	\$8.10	0	0	0	0	0	0	8,109(0.7%)	39,989(3.5%)	0	0
96%	\$8.75	0	0	0	0	0	0	12,164(1.1%)	31,805(2.8%)	0	0
100%	\$52.85	0	0	0	0	0	0	3,043(0.3%)	43,178(3.7%)	0	0
TOTAL		0	0	0	0	0	0	54,246	1102226	0	0
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.7%	95.3%	0.0%	0.0%
CUMULATIVE		0	0	0	0	0	0	54,246	1156472	1156472	1156472
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.7%	100.0%	100.0%	100.0%
AVG.MO DIFF.								\$6.9	\$4.7		

A3-21

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between 2016 Proposed Rates

AND 2017 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RRQIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016

RES full service

----- LAST RATE SCHEDULE=E6 -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4%	\$1.03	0	0	0	0	0	221(4.0%)	0	0	0
8%	\$1.27	0	0	0	0	0	230(4.2%)	0	0	0
12%	\$1.46	0	0	0	0	0	221(4.0%)	0	0	0
16%	\$1.59	0	0	0	0	0	205(3.8%)	0	0	0
20%	\$1.73	0	0	0	0	0	222(4.1%)	0	0	0
24%	\$1.86	0	0	0	0	0	229(4.2%)	0	0	0
28%	\$1.99	0	0	0	0	0	206(3.8%)	0	0	0
32%	\$2.12	0	0	0	0	0	217(4.0%)	0	0	0
36%	\$2.25	0	0	0	0	0	233(4.3%)	0	0	0
40%	\$2.36	0	0	0	0	0	203(3.7%)	0	0	0
44%	\$2.52	0	0	0	0	0	223(4.1%)	0	0	0
48%	\$2.67	0	0	0	0	0	214(3.9%)	0	0	0
52%	\$2.84	0	0	0	0	0	225(4.1%)	0	0	0
56%	\$3.00	0	0	0	0	0	216(4.0%)	0	0	0
60%	\$3.17	0	0	0	0	0	215(3.9%)	0	0	0
64%	\$3.38	0	0	0	0	0	219(4.0%)	0	0	0
68%	\$3.63	0	0	0	0	0	219(4.0%)	0	0	0
72%	\$3.88	0	0	0	0	0	217(4.0%)	0	0	0
76%	\$4.19	0	0	0	0	0	223(4.1%)	0	0	0
80%	\$4.57	0	0	0	0	0	214(3.9%)	0	0	0
84%	\$5.05	0	0	0	0	0	219(4.0%)	0	0	0
88%	\$5.74	0	0	0	0	0	218(4.0%)	0	0	0
92%	\$6.80	0	0	0	0	0	218(4.0%)	0	0	0
96%	\$9.66	0	0	0	0	0	217(4.0%)	0	0	0
100%	177.60	0	0	0	0	0	218(4.0%)	0	0	0
TOTAL		0	0	0	0	0	5,462	0	0	0
		0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
CUMULATIVE		0	0	0	0	0	5,462	5,462	5,462	5,462
		0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%
AVG. MO DIFF.							\$3.7			

A3-22

RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT) PACIFIC GAS AND ELECTRIC COMPANY 10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2016 Proposed Rates  
AND 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROI update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E6L -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4%	\$0.68	0	0	0	0	0	17(4.5%)	0	0	0
8%	\$0.78	0	0	0	0	0	14(3.7%)	0	0	0
12%	\$1.00	0	0	0	0	0	16(4.2%)	0	0	0
16%	\$1.14	0	0	0	0	0	16(4.2%)	0	0	0
20%	\$1.25	0	0	0	0	0	13(3.4%)	0	0	0
24%	\$1.40	0	0	0	0	0	15(4.0%)	0	0	0
28%	\$1.53	0	0	0	0	0	16(4.2%)	0	0	0
32%	\$1.71	0	0	0	0	0	15(4.0%)	0	0	0
36%	\$1.82	0	0	0	0	0	15(4.0%)	0	0	0
40%	\$1.97	0	0	0	0	0	15(4.0%)	0	0	0
44%	\$2.09	0	0	0	0	0	15(4.0%)	0	0	0
48%	\$2.23	0	0	0	0	0	15(4.0%)	0	0	0
52%	\$2.36	0	0	0	0	0	16(4.2%)	0	0	0
56%	\$2.55	0	0	0	0	0	15(4.0%)	0	0	0
60%	\$2.77	0	0	0	0	0	15(4.0%)	0	0	0
64%	\$3.05	0	0	0	0	0	15(4.0%)	0	0	0
68%	\$3.34	0	0	0	0	0	15(4.0%)	0	0	0
72%	\$3.92	0	0	0	0	0	16(4.2%)	0	0	0
76%	\$4.61	0	0	0	0	0	15(4.0%)	0	0	0
80%	\$5.30	0	0	0	0	0	15(4.0%)	0	0	0
84%	\$6.33	0	0	0	0	0	15(4.0%)	0	0	0
88%	\$8.56	0	0	0	0	0	15(4.0%)	0	0	0
92%	\$10.41	0	0	0	0	0	15(4.0%)	0	0	0
96%	\$14.77	0	0	0	0	0	15(4.0%)	0	0	0
100%	\$30.27	0	0	0	0	0	15(4.0%)	0	0	0
TOTAL		0	0	0	0	0	379	0	0	0
		0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
CUMULATIVE		0	0	0	0	0	379	379	379	379
		0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%
AVG. MO DIFF.							\$3.9			

A3-23

RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT) PACIFIC GAS AND ELECTRIC COMPANY 10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2016 Proposed Rates  
AND 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E7 -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4%	\$1.22	0	0	0	0	0	2,321(4.0%)	0	0	0
8%	\$1.57	0	0	0	0	0	2,373(4.1%)	0	0	0
12%	\$1.82	0	0	0	0	0	2,319(4.0%)	0	0	0
16%	\$2.02	0	0	0	0	0	2,345(4.1%)	0	0	0
20%	\$2.20	0	0	0	0	0	2,319(4.0%)	0	0	0
24%	\$2.36	0	0	0	0	0	2,207(3.8%)	0	0	0
28%	\$2.52	0	0	0	0	0	2,306(4.0%)	0	0	0
32%	\$2.68	0	0	0	0	0	2,413(4.2%)	0	0	0
36%	\$2.83	0	0	0	0	0	2,214(3.8%)	0	0	0
40%	\$2.99	0	0	0	0	0	2,401(4.2%)	0	0	0
44%	\$3.14	0	0	0	0	0	2,256(3.9%)	0	0	0
48%	\$3.30	0	0	0	0	0	2,296(4.0%)	0	0	0
52%	\$3.46	0	0	0	0	0	2,314(4.0%)	0	0	0
56%	\$3.63	0	0	0	0	0	2,362(4.1%)	0	0	0
60%	\$3.80	0	0	0	0	0	2,279(3.9%)	0	0	0
64%	\$3.98	0	0	0	0	0	2,280(3.9%)	0	0	0
68%	\$4.18	0	0	0	0	0	2,301(4.0%)	0	0	0
72%	\$4.40	0	0	0	0	0	2,311(4.0%)	0	0	0
76%	\$4.65	0	0	0	0	0	2,341(4.1%)	0	0	0
80%	\$4.94	0	0	0	0	0	2,308(4.0%)	0	0	0
84%	\$5.28	0	0	0	0	0	2,283(4.0%)	0	0	0
88%	\$5.73	0	0	0	0	0	2,330(4.0%)	0	0	0
92%	\$6.36	0	0	0	0	0	2,273(3.9%)	0	0	0
96%	\$7.51	0	0	0	0	0	2,310(4.0%)	0	0	0
100%	\$66.86	0	0	0	0	0	2,309(4.0%)	0	0	0
TOTAL		0	0	0	0	0	57,771	0	0	0
		0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
CUMULATIVE		0	0	0	0	0	57,771	57,771	57,771	57,771
		0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%
AVG. MO DIFF.							\$3.7			

A3-24

RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT)      PACIFIC GAS AND ELECTRIC COMPANY      10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2016 Proposed Rates  
AND 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E7L -----

\$ PCT	MONTHLY \$ DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE
4%	\$0.76	0	0	0	0	0	0	317(4.1%)	0	0	0
8%	\$0.93	0	0	0	0	0	0	304(3.9%)	0	0	0
12%	\$1.09	0	0	0	0	0	0	331(4.3%)	0	0	0
16%	\$1.22	0	0	0	0	0	0	306(3.9%)	0	0	0
20%	\$1.34	0	0	0	0	0	0	311(4.0%)	0	0	0
24%	\$1.45	0	0	0	0	0	0	323(4.2%)	0	0	0
28%	\$1.54	0	0	0	0	0	0	285(3.7%)	0	0	0
32%	\$1.65	0	0	0	0	0	0	318(4.1%)	0	0	0
36%	\$1.75	0	0	0	0	0	0	316(4.1%)	0	0	0
40%	\$1.85	0	0	0	0	0	0	294(3.8%)	0	0	0
44%	\$1.96	0	0	0	0	0	0	326(4.2%)	0	0	0
48%	\$2.07	0	0	0	0	0	0	293(3.8%)	0	0	0
52%	\$2.18	0	0	0	0	0	0	315(4.1%)	0	0	0
56%	\$2.30	0	0	0	0	0	0	315(4.1%)	0	0	0
60%	\$2.42	0	0	0	0	0	0	307(4.0%)	0	0	0
64%	\$2.56	0	0	0	0	0	0	317(4.1%)	0	0	0
68%	\$2.69	0	0	0	0	0	0	297(3.8%)	0	0	0
72%	\$2.87	0	0	0	0	0	0	315(4.1%)	0	0	0
76%	\$3.08	0	0	0	0	0	0	306(3.9%)	0	0	0
80%	\$3.31	0	0	0	0	0	0	315(4.1%)	0	0	0
84%	\$3.56	0	0	0	0	0	0	314(4.0%)	0	0	0
88%	\$3.91	0	0	0	0	0	0	303(3.9%)	0	0	0
92%	\$4.37	0	0	0	0	0	0	312(4.0%)	0	0	0
96%	\$5.28	0	0	0	0	0	0	307(4.0%)	0	0	0
100%	\$39.58	0	0	0	0	0	0	310(4.0%)	0	0	0
TOTAL		0	0	0	0	0	0	7,757	0	0	0
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
CUMULATIVE		0	0	0	0	0	0	7,757	7,757	7,757	7,757
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%
AVG. MO DIFF.								\$2.5			

A3-25



RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT) PACIFIC GAS AND ELECTRIC COMPANY 10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2016 Proposed Rates  
AND 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E8 -----

\$ PCT	MONTHLY \$ DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE
4%	-38.76	0	0	1,704(3.9%)	53(0.1%)	0	0	0	0	0	0
8%	-24.86	0	0	1,423(3.2%)	334(0.8%)	0	0	0	0	0	0
12%	-18.33	0	0	409(0.9%)	1,347(3.1%)	0	0	0	0	0	0
16%	-14.28	0	0	49(0.1%)	1,706(3.9%)	0	0	0	0	0	0
20%	-11.38	0	0	0	1,758(4.0%)	0	0	0	0	0	0
24%	\$-9.05	0	0	0	1,756(4.0%)	0	0	0	0	0	0
28%	\$-7.13	0	0	0	1,764(4.0%)	0	0	0	0	0	0
32%	\$-5.52	0	0	0	1,753(4.0%)	0	0	0	0	0	0
36%	\$-4.04	0	0	0	1,757(4.0%)	0	0	0	0	0	0
40%	\$-2.70	0	0	0	1,752(4.0%)	0	0	0	0	0	0
44%	\$-1.52	0	0	0	1,769(4.0%)	0	0	0	0	0	0
48%	\$-0.40	0	0	0	1,752(4.0%)	0	0	0	0	0	0
52%	\$0.65	0	0	0	603(1.4%)	39(0.1%)	32(0.1%)	1,090(2.5%)	0	0	0
56%	\$1.57	0	0	0	0	0	0	1,656(3.8%)	85(0.2%)	0	0
60%	\$2.48	0	0	0	0	0	0	1,666(3.8%)	105(0.2%)	0	0
64%	\$3.24	0	0	0	0	0	0	1,610(3.7%)	150(0.3%)	0	0
68%	\$3.96	0	0	0	0	0	0	1,518(3.5%)	247(0.6%)	0	0
72%	\$4.63	0	0	0	0	0	0	1,463(3.3%)	278(0.6%)	0	0
76%	\$5.13	0	0	0	0	0	0	1,107(2.5%)	663(1.5%)	0	0
80%	\$5.91	0	0	0	0	0	0	1,061(2.4%)	675(1.5%)	0	0
84%	\$7.30	0	0	0	0	0	0	1,255(2.9%)	506(1.2%)	0	0
88%	\$8.47	0	0	0	0	0	0	1,166(2.7%)	590(1.3%)	0	0
92%	\$9.45	0	0	0	0	0	0	805(1.8%)	964(2.2%)	0	0
96%	\$10.69	0	0	0	0	0	0	368(0.8%)	1,369(3.1%)	0	0
100%	\$48.18	0	0	0	0	0	0	562(1.3%)	1,192(2.7%)	0	0
TOTAL		0	0	3,585	18,104	39	32	15,327	6,824	0	0
		0.0%	0.0%	8.2%	41.2%	0.1%	0.1%	34.9%	15.5%	0.0%	0.0%
CUMULATIVE		0	0	3,585	21,689	21,728	21,760	37,087	43,911	43,911	43,911
		0.0%	0.0%	8.2%	49.4%	49.5%	49.6%	84.5%	100.0%	100.0%	100.0%
AVG.MO DIFF.				\$-51.9	\$-8.4	\$-0.0	\$0.0	\$4.5	\$8.4		

A3-26

RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT) PACIFIC GAS AND ELECTRIC COMPANY 10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2016 Proposed Rates  
AND 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E8L -----

\$ PCT	MONTHLY \$ DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE
4%	\$4.17	0	0	0	0	0	0	11(0.1%)	338(3.9%)	0	0
8%	\$5.01	0	0	0	0	0	0	33(0.4%)	314(3.6%)	0	0
12%	\$5.38	0	0	0	0	0	0	172(2.0%)	178(2.0%)	0	0
16%	\$6.16	0	0	0	0	0	0	3(0.0%)	344(4.0%)	0	0
20%	\$6.68	0	0	0	0	0	0	27(0.3%)	326(3.8%)	0	0
24%	\$6.78	0	0	0	0	0	0	209(2.4%)	234(2.7%)	0	0
28%	\$6.82	0	0	0	0	0	0	180(2.1%)	114(1.3%)	0	0
32%	\$7.28	0	0	0	0	0	0	21(0.2%)	281(3.2%)	0	0
36%	\$7.49	0	0	0	0	0	0	159(1.8%)	196(2.3%)	0	0
40%	\$7.86	0	0	0	0	0	0	49(0.6%)	291(3.3%)	0	0
44%	\$8.06	0	0	0	0	0	0	132(1.5%)	274(3.2%)	0	0
48%	\$8.23	0	0	0	0	0	0	116(1.3%)	178(2.0%)	0	0
52%	\$8.37	0	0	0	0	0	0	196(2.3%)	145(1.7%)	0	0
56%	\$8.59	0	0	0	0	0	0	152(1.7%)	200(2.3%)	0	0
60%	\$9.14	0	0	0	0	0	0	137(1.6%)	210(2.4%)	0	0
64%	\$10.00	0	0	0	0	0	0	3(0.0%)	344(4.0%)	0	0
68%	\$10.89	0	0	0	0	0	0	7(0.1%)	340(3.9%)	0	0
72%	\$11.64	0	0	0	0	0	0	9(0.1%)	336(3.9%)	0	0
76%	\$12.34	0	0	0	0	0	0	14(0.2%)	335(3.9%)	0	0
80%	\$12.95	0	0	0	0	0	0	41(0.5%)	306(3.5%)	0	0
84%	\$13.53	0	0	0	0	0	0	35(0.4%)	316(3.6%)	0	0
88%	\$13.93	0	0	0	0	0	0	108(1.2%)	243(2.8%)	0	0
92%	\$14.67	0	0	0	0	0	0	56(0.6%)	284(3.3%)	0	0
96%	\$15.57	0	0	0	0	0	0	112(1.3%)	237(2.7%)	0	0
100%	\$49.00	0	0	0	0	0	0	42(0.5%)	304(3.5%)	0	0
TOTAL		0	0	0	0	0	0	2,024	6,668	0	0
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	23.3%	76.7%	0.0%	0.0%
CUMULATIVE		0	0	0	0	0	0	2,024	8,692	8,692	8,692
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	23.3%	100.0%	100.0%	100.0%
AVG.MO DIFF.								\$8.8	\$9.5		

A3-27

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Total Annual Bill Summary by Rate Schedules

Comparison Between 2017 Proposed Rates

AND 2018 Proposed Rates (Assuming 2.1% increase in RRQ)

RRQIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016

LAST RATE SCHEDULE	COUNT	ANNUAL TOTAL KWH	TOTAL ANNUAL CURRENT BILLS	CURRENT AVG RATE	TOTAL ANNUAL PROPOSED BILLS	PROPOSED AVG RATE	DIFFERENCE (PROPOSED-CURRENT)	(PROPOSED-CURRENT)/CURRENT	MAX DIFFERENCE	MIN DIFFERENCE
E1	2,815,104	18,278,276,127	\$3,862,940,767	0.21134	\$3,938,008,588	0.21545	\$75,067,821	1.94%	\$1,821	\$-96,259
E1L	1,156,472	7,576,011,970	\$1,007,982,413	0.13305	\$1,081,366,217	0.14274	\$73,383,804	7.28%	\$709	\$-456
E6	5,462	52,512,188	\$10,051,866	0.19142	\$10,285,276	0.19586	\$233,409	2.32%	\$2,087	\$2
E6L	379	6,078,576	\$747,360	0.12295	\$764,229	0.12572	\$16,868	2.26%	\$356	\$4
E7	57,771	606,295,672	\$112,520,178	0.18559	\$115,023,039	0.18971	\$2,502,861	2.22%	\$786	\$2
E7L	7,757	84,873,446	\$10,064,234	0.11858	\$10,286,216	0.12119	\$221,983	2.21%	\$466	\$1
E8	43,911	675,567,529	\$148,775,694	0.22022	\$142,910,670	0.21154	\$-5,865,024	( 3.94%)	\$761	\$-22,927
E8L	8,692	136,763,391	\$18,397,861	0.13452	\$19,395,582	0.14182	\$997,721	5.42%	\$663	\$-1,312
TOTAL	4,095,548	27,416,378,899	\$5,171,480,373	0.18863	\$5,318,039,817	0.19397	\$146,559,443	2.83%	\$7,649	\$-120,945

A3-28

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between 2017 Proposed Rates

AND 2018 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016

RES full service

----- LAST RATE SCHEDULE=E1 -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%	
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE	
4%	-15.49	0	25,615(0.9%)	85,655(3.0%)	1,369(0.0%)	0	0	0	0	0	
8%	\$-7.13	0	13(0.0%)	33,039(1.2%)	79,571(2.8%)	0	0	0	0	0	
12%	\$-2.69	0	2(0.0%)	151(0.0%)	112,689(4.0%)	0	0	0	0	0	
16%	\$0.21	0	0	5(0.0%)	101,043(3.6%)	664(0.0%)	759(0.0%)	19,832(0.7%)	0	0	
20%	\$1.11	0	0	0	0	0	0	78,312(2.8%)	24,511(0.9%)	0	
24%	\$1.91	0	0	0	0	0	0	45,261(1.6%)	68,001(2.4%)	0	
28%	\$2.54	0	0	0	0	0	0	39,842(1.4%)	72,361(2.6%)	0	
32%	\$3.08	0	0	0	0	0	0	37,951(1.3%)	75,381(2.7%)	0	
36%	\$3.55	0	0	0	0	0	0	36,540(1.3%)	75,914(2.7%)	0	
40%	\$3.97	0	0	0	0	0	0	36,292(1.3%)	77,770(2.8%)	0	
44%	\$4.33	0	0	0	0	0	0	33,351(1.2%)	77,979(2.8%)	0	
48%	\$4.64	0	0	0	0	0	0	29,794(1.1%)	82,626(2.9%)	0	
52%	\$4.90	0	0	0	0	0	0	23,515(0.8%)	89,059(3.2%)	0	
56%	\$5.15	0	0	0	0	0	0	19,703(0.7%)	96,183(3.4%)	0	
60%	\$5.40	0	0	0	0	0	0	20,002(0.7%)	89,413(3.2%)	0	
64%	\$5.75	0	0	0	0	0	0	28,430(1.0%)	83,858(3.0%)	0	
68%	\$6.08	0	0	0	0	0	0	25,488(0.9%)	87,206(3.1%)	0	
72%	\$6.35	0	0	0	0	0	0	17,744(0.6%)	97,079(3.4%)	0	
76%	\$6.58	0	0	0	0	0	0	10,918(0.4%)	102,992(3.7%)	0	
80%	\$6.80	0	0	0	0	0	0	7,103(0.3%)	105,226(3.7%)	1(0.0%)	
84%	\$7.03	0	0	0	0	0	0	5,938(0.2%)	102,664(3.6%)	698(0.0%)	
88%	\$7.35	0	0	0	0	0	0	5,511(0.2%)	106,310(3.8%)	1,523(0.1%)	
92%	\$7.91	0	0	0	0	0	0	3,512(0.1%)	106,317(3.8%)	2,750(0.1%)	
96%	\$9.06	0	0	0	0	0	0	3,337(0.1%)	102,222(3.6%)	5,725(0.2%)	
100%	151.73	0	0	0	0	0	0	6,921(0.2%)	87,634(3.1%)	17,829(0.6%)	
TOTAL		0	25,630	118,850	294,672	664	759	535,297	1810706	28,526	0
		0.0%	0.9%	4.2%	10.5%	0.0%	0.0%	19.0%	64.3%	1.0%	0.0%
CUMULATIVE		0	25,630	144,480	439,152	439,816	440,575	975,872	2786578	2815104	2815104
		0.0%	0.9%	5.1%	15.6%	15.6%	15.7%	34.7%	99.0%	100.0%	100.0%
AVG. MO DIFF.			\$-85.4	\$-21.5	\$-5.0	\$-0.0	\$0.0	\$3.6	\$5.7	\$10.4	

A3-29

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between 2017 Proposed Rates

AND 2018 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RRQIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016

RES full service

----- LAST RATE SCHEDULE=E1L -----

\$ MONTHLY \$ PCT DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE	
4%	\$1.58	0	0	0	2,554(0.2%)	27(0.0%)	26(0.0%)	3,393(0.3%)	40,883(3.5%)	0	0
8%	\$2.06	0	0	0	0	0	0	527(0.0%)	45,300(3.9%)	0	0
12%	\$2.44	0	0	0	0	0	0	490(0.0%)	45,671(3.9%)	0	0
16%	\$2.78	0	0	0	0	0	0	490(0.0%)	45,820(4.0%)	0	0
20%	\$3.10	0	0	0	0	0	0	611(0.1%)	46,145(4.0%)	0	0
24%	\$3.40	0	0	0	0	0	0	755(0.1%)	45,176(3.9%)	0	0
28%	\$3.70	0	0	0	0	0	0	976(0.1%)	45,784(4.0%)	0	0
32%	\$3.99	0	0	0	0	0	0	1,399(0.1%)	44,343(3.8%)	0	0
36%	\$4.28	0	0	0	0	0	0	2,041(0.2%)	44,588(3.9%)	0	0
40%	\$4.56	0	0	0	0	0	0	3,099(0.3%)	43,093(3.7%)	0	0
44%	\$4.83	0	0	0	0	0	0	4,615(0.4%)	42,084(3.6%)	0	0
48%	\$5.08	0	0	0	0	0	0	3,222(0.3%)	43,863(3.8%)	0	0
52%	\$5.29	0	0	0	0	0	0	795(0.1%)	43,600(3.8%)	0	0
56%	\$5.55	0	0	0	0	0	0	1,311(0.1%)	45,388(3.9%)	0	0
60%	\$5.91	0	0	0	0	0	0	2,573(0.2%)	43,740(3.8%)	0	0
64%	\$6.25	0	0	0	0	0	0	3,677(0.3%)	42,687(3.7%)	0	0
68%	\$6.57	0	0	0	0	0	0	4,899(0.4%)	40,953(3.5%)	0	0
72%	\$6.87	0	0	0	0	0	0	3,445(0.3%)	44,009(3.8%)	0	0
76%	\$7.13	0	0	0	0	0	0	2,404(0.2%)	42,974(3.7%)	0	0
80%	\$7.41	0	0	0	0	0	0	3,398(0.3%)	42,538(3.7%)	0	0
84%	\$7.80	0	0	0	0	0	0	6,703(0.6%)	39,602(3.4%)	0	0
88%	\$8.17	0	0	0	0	0	0	5,980(0.5%)	41,186(3.6%)	0	0
92%	\$8.52	0	0	0	0	0	0	3,425(0.3%)	42,171(3.6%)	0	0
96%	\$10.19	0	0	0	0	0	0	576(0.0%)	45,220(3.9%)	0	0
100%	\$59.11	0	0	0	0	0	0	2,240(0.2%)	44,003(3.8%)	0	0
TOTAL		0	0	0	2,554	27	26	63,044	1090821	0	0
		0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	5.5%	94.3%	0.0%	0.0%
CUMULATIVE		0	0	0	2,554	2,581	2,607	65,651	1156472	1156472	1156472
		0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	5.7%	100.0%	100.0%	100.0%
AVG.MO DIFF.					\$-4.3	\$-0.0	\$0.0	\$6.1	\$5.4		

A3-30

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES

Comparison Between 2017 Proposed Rates

AND 2018 Proposed Rates (Assuming 2.1% increase in RRQ)

FOR ANNUAL

RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016

RES full service

----- LAST RATE SCHEDULE=E6 -----

\$ PCT	MONTHLY \$ DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE
4%	\$1.02	0	0	0	0	0	0	225 (4.1%)	0	0	0
8%	\$1.25	0	0	0	0	0	0	221 (4.0%)	0	0	0
12%	\$1.44	0	0	0	0	0	0	229 (4.2%)	0	0	0
16%	\$1.57	0	0	0	0	0	0	210 (3.8%)	0	0	0
20%	\$1.71	0	0	0	0	0	0	226 (4.1%)	0	0	0
24%	\$1.83	0	0	0	0	0	0	217 (4.0%)	0	0	0
28%	\$1.96	0	0	0	0	0	0	208 (3.8%)	0	0	0
32%	\$2.09	0	0	0	0	0	0	222 (4.1%)	0	0	0
36%	\$2.21	0	0	0	0	0	0	216 (4.0%)	0	0	0
40%	\$2.33	0	0	0	0	0	0	227 (4.2%)	0	0	0
44%	\$2.48	0	0	0	0	0	0	215 (3.9%)	0	0	0
48%	\$2.63	0	0	0	0	0	0	221 (4.0%)	0	0	0
52%	\$2.79	0	0	0	0	0	0	213 (3.9%)	0	0	0
56%	\$2.95	0	0	0	0	0	0	219 (4.0%)	0	0	0
60%	\$3.12	0	0	0	0	0	0	216 (4.0%)	0	0	0
64%	\$3.32	0	0	0	0	0	0	215 (3.9%)	0	0	0
68%	\$3.56	0	0	0	0	0	0	216 (4.0%)	0	0	0
72%	\$3.81	0	0	0	0	0	0	218 (4.0%)	0	0	0
76%	\$4.11	0	0	0	0	0	0	225 (4.1%)	0	0	0
80%	\$4.49	0	0	0	0	0	0	218 (4.0%)	0	0	0
84%	\$4.96	0	0	0	0	0	0	214 (3.9%)	0	0	0
88%	\$5.63	0	0	0	0	0	0	218 (4.0%)	0	0	0
92%	\$6.67	0	0	0	0	0	0	218 (4.0%)	0	0	0
96%	\$9.47	0	0	0	0	0	0	217 (4.0%)	0	0	0
100%	173.94	0	0	0	0	0	0	218 (4.0%)	0	0	0
TOTAL		0	0	0	0	0	0	5,462	0	0	0
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
CUMULATIVE		0	0	0	0	0	0	5,462	5,462	5,462	5,462
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%
AVG. MO DIFF.								\$3.6			

A3-31

CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
 Comparison Between 2017 Proposed Rates  
 AND 2018 Proposed Rates (Assuming 2.1% increase in RRQ)  
 FOR ANNUAL

RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
 RES full service

----- LAST RATE SCHEDULE=E6L -----

\$ MONTHLY \$	BELOW -20%	-20 - -10%	-10 - -5%	-5 - -0.01%	-0.01 - 0%	0 - 0.01%	0.01 - 5%	5 - 10%	10 - 20%	ABOVE 20%
PCT DIFFERENCE	DECREASE	DECREASE	DECREASE	DECREASE	DECREASE	INCREASE	INCREASE	INCREASE	INCREASE	INCREASE
4%	\$0.66	0	0	0	0	0	17(4.5%)	0	0	0
8%	\$0.76	0	0	0	0	0	14(3.7%)	0	0	0
12%	\$0.97	0	0	0	0	0	15(4.0%)	0	0	0
16%	\$1.11	0	0	0	0	0	14(3.7%)	0	0	0
20%	\$1.22	0	0	0	0	0	16(4.2%)	0	0	0
24%	\$1.37	0	0	0	0	0	15(4.0%)	0	0	0
28%	\$1.49	0	0	0	0	0	15(4.0%)	0	0	0
32%	\$1.67	0	0	0	0	0	16(4.2%)	0	0	0
36%	\$1.78	0	0	0	0	0	15(4.0%)	0	0	0
40%	\$1.93	0	0	0	0	0	15(4.0%)	0	0	0
44%	\$2.04	0	0	0	0	0	15(4.0%)	0	0	0
48%	\$2.18	0	0	0	0	0	15(4.0%)	0	0	0
52%	\$2.31	0	0	0	0	0	16(4.2%)	0	0	0
56%	\$2.49	0	0	0	0	0	15(4.0%)	0	0	0
60%	\$2.71	0	0	0	0	0	15(4.0%)	0	0	0
64%	\$2.98	0	0	0	0	0	15(4.0%)	0	0	0
68%	\$3.27	0	0	0	0	0	15(4.0%)	0	0	0
72%	\$3.84	0	0	0	0	0	16(4.2%)	0	0	0
76%	\$4.51	0	0	0	0	0	15(4.0%)	0	0	0
80%	\$5.18	0	0	0	0	0	15(4.0%)	0	0	0
84%	\$6.20	0	0	0	0	0	15(4.0%)	0	0	0
88%	\$8.39	0	0	0	0	0	15(4.0%)	0	0	0
92%	\$10.20	0	0	0	0	0	15(4.0%)	0	0	0
96%	\$14.47	0	0	0	0	0	15(4.0%)	0	0	0
100%	\$29.67	0	0	0	0	0	15(4.0%)	0	0	0
TOTAL		0	0	0	0	0	379	0	0	0
		0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
CUMULATIVE		0	0	0	0	0	379	379	379	379
		0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%
AVG.MO DIFF.							\$3.8			

A3-32

RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT) PACIFIC GAS AND ELECTRIC COMPANY 10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2017 Proposed Rates  
AND 2018 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E7 -----

\$ PCT	MONTHLY \$ DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE
4%	\$1.21	0	0	0	0	0	0	2,357(4.1%)	0	0	0
8%	\$1.54	0	0	0	0	0	0	2,283(4.0%)	0	0	0
12%	\$1.79	0	0	0	0	0	0	2,364(4.1%)	0	0	0
16%	\$1.98	0	0	0	0	0	0	2,270(3.9%)	0	0	0
20%	\$2.16	0	0	0	0	0	0	2,359(4.1%)	0	0	0
24%	\$2.32	0	0	0	0	0	0	2,248(3.9%)	0	0	0
28%	\$2.48	0	0	0	0	0	0	2,353(4.1%)	0	0	0
32%	\$2.63	0	0	0	0	0	0	2,307(4.0%)	0	0	0
36%	\$2.78	0	0	0	0	0	0	2,273(3.9%)	0	0	0
40%	\$2.94	0	0	0	0	0	0	2,433(4.2%)	0	0	0
44%	\$3.09	0	0	0	0	0	0	2,309(4.0%)	0	0	0
48%	\$3.24	0	0	0	0	0	0	2,195(3.8%)	0	0	0
52%	\$3.40	0	0	0	0	0	0	2,366(4.1%)	0	0	0
56%	\$3.56	0	0	0	0	0	0	2,256(3.9%)	0	0	0
60%	\$3.73	0	0	0	0	0	0	2,340(4.1%)	0	0	0
64%	\$3.91	0	0	0	0	0	0	2,327(4.0%)	0	0	0
68%	\$4.11	0	0	0	0	0	0	2,342(4.1%)	0	0	0
72%	\$4.32	0	0	0	0	0	0	2,248(3.9%)	0	0	0
76%	\$4.56	0	0	0	0	0	0	2,299(4.0%)	0	0	0
80%	\$4.85	0	0	0	0	0	0	2,359(4.1%)	0	0	0
84%	\$5.18	0	0	0	0	0	0	2,255(3.9%)	0	0	0
88%	\$5.62	0	0	0	0	0	0	2,328(4.0%)	0	0	0
92%	\$6.24	0	0	0	0	0	0	2,285(4.0%)	0	0	0
96%	\$7.37	0	0	0	0	0	0	2,310(4.0%)	0	0	0
100%	\$65.50	0	0	0	0	0	0	2,305(4.0%)	0	0	0
TOTAL		0	0	0	0	0	0	57,771	0	0	0
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
CUMULATIVE		0	0	0	0	0	0	57,771	57,771	57,771	57,771
		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%
AVG. MO DIFF.								\$3.7			

A3-33



RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT)      PACIFIC GAS AND ELECTRIC COMPANY      10:07 Monday, July 28, 2014  
 CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
 Comparison Between 2017 Proposed Rates  
 AND 2018 Proposed Rates (Assuming 2.1% increase in RRQ)  
 FOR ANNUAL  
 RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
 RES full service

----- LAST RATE SCHEDULE=E7L -----

\$ MONTHLY \$ PCT DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE
4%	\$0.74	0	0	0	0	0	318 (4.1%)	0	0	0
8%	\$0.91	0	0	0	0	0	317 (4.1%)	0	0	0
12%	\$1.06	0	0	0	0	0	307 (4.0%)	0	0	0
16%	\$1.19	0	0	0	0	0	314 (4.0%)	0	0	0
20%	\$1.31	0	0	0	0	0	315 (4.1%)	0	0	0
24%	\$1.41	0	0	0	0	0	299 (3.9%)	0	0	0
28%	\$1.51	0	0	0	0	0	322 (4.2%)	0	0	0
32%	\$1.61	0	0	0	0	0	298 (3.8%)	0	0	0
36%	\$1.71	0	0	0	0	0	318 (4.1%)	0	0	0
40%	\$1.81	0	0	0	0	0	299 (3.9%)	0	0	0
44%	\$1.91	0	0	0	0	0	313 (4.0%)	0	0	0
48%	\$2.03	0	0	0	0	0	322 (4.2%)	0	0	0
52%	\$2.14	0	0	0	0	0	319 (4.1%)	0	0	0
56%	\$2.25	0	0	0	0	0	292 (3.8%)	0	0	0
60%	\$2.37	0	0	0	0	0	311 (4.0%)	0	0	0
64%	\$2.50	0	0	0	0	0	303 (3.9%)	0	0	0
68%	\$2.64	0	0	0	0	0	333 (4.3%)	0	0	0
72%	\$2.81	0	0	0	0	0	288 (3.7%)	0	0	0
76%	\$3.02	0	0	0	0	0	314 (4.0%)	0	0	0
80%	\$3.24	0	0	0	0	0	306 (3.9%)	0	0	0
84%	\$3.48	0	0	0	0	0	311 (4.0%)	0	0	0
88%	\$3.83	0	0	0	0	0	312 (4.0%)	0	0	0
92%	\$4.28	0	0	0	0	0	308 (4.0%)	0	0	0
96%	\$5.18	0	0	0	0	0	310 (4.0%)	0	0	0
100%	\$38.80	0	0	0	0	0	308 (4.0%)	0	0	0
TOTAL		0	0	0	0	0	7,757	0	0	0
		0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
CUMULATIVE		0	0	0	0	0	7,757	7,757	7,757	7,757
		0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%
AVG. MO DIFF.							\$2.4			

A3-34

RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT) PACIFIC GAS AND ELECTRIC COMPANY 10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2017 Proposed Rates  
AND 2018 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RROIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E8 -----

A3-35

\$ MONTHLY \$ PCT DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE	
4%	-73.26	0	1,704(3.9%)	52(0.1%)	0	0	0	0	0	0	
8%	-47.54	0	1,427(3.2%)	329(0.7%)	0	0	0	0	0	0	
12%	-35.43	0	453(1.0%)	1,305(3.0%)	0	0	0	0	0	0	
16%	-27.81	0	60(0.1%)	1,697(3.9%)	0	0	0	0	0	0	
20%	-22.62	0	0	1,656(3.8%)	100(0.2%)	0	0	0	0	0	
24%	-18.21	0	0	1,533(3.5%)	223(0.5%)	0	0	0	0	0	
28%	-14.75	0	0	1,466(3.3%)	292(0.7%)	0	0	0	0	0	
32%	-11.80	0	0	807(1.8%)	948(2.2%)	0	0	0	0	0	
36%	\$-9.07	0	0	137(0.3%)	1,627(3.7%)	0	0	0	0	0	
40%	\$-6.59	0	0	1(0.0%)	1,755(4.0%)	0	0	0	0	0	
44%	\$-4.51	0	0	1(0.0%)	1,754(4.0%)	0	0	0	0	0	
48%	\$-2.47	0	0	0	1,756(4.0%)	0	0	0	0	0	
52%	\$-0.62	0	0	0	1,754(4.0%)	0	0	0	0	0	
56%	\$1.10	0	0	0	525(1.2%)	26(0.1%)	14(0.0%)	1,154(2.6%)	37(0.1%)	0	
60%	\$2.63	0	0	0	0	0	0	1,639(3.7%)	116(0.3%)	0	
64%	\$3.95	0	0	0	0	0	0	1,565(3.6%)	200(0.5%)	0	
68%	\$5.13	0	0	0	0	0	0	1,399(3.2%)	349(0.8%)	0	
72%	\$6.21	0	0	0	0	0	0	1,208(2.8%)	563(1.3%)	0	
76%	\$6.96	0	0	0	0	0	0	644(1.5%)	1,097(2.5%)	8(0.0%)	
80%	\$7.94	0	0	0	0	0	0	524(1.2%)	1,199(2.7%)	44(0.1%)	
84%	\$9.64	0	0	0	0	0	0	799(1.8%)	841(1.9%)	100(0.2%)	
88%	\$11.49	0	0	0	0	0	0	691(1.6%)	951(2.2%)	119(0.3%)	
92%	\$13.02	0	0	0	0	0	0	199(0.5%)	1,500(3.4%)	53(0.1%)	
96%	\$14.90	0	0	0	0	0	0	31(0.1%)	1,677(3.8%)	47(0.1%)	
100%	\$63.41	0	0	0	0	0	0	78(0.2%)	1,596(3.6%)	81(0.2%)	
TOTAL		0	3,644	8,984	10,734	26	14	9,931	10,126	452	0
		0.0%	8.3%	20.5%	24.4%	0.1%	0.0%	22.6%	23.1%	1.0%	0.0%
CUMULATIVE		0	3,644	12,628	23,362	23,388	23,402	33,333	43,459	43,911	43,911
		0.0%	8.3%	28.8%	53.2%	53.3%	53.3%	75.9%	99.0%	100.0%	100.0%
AVG. MO DIFF.			\$-96.6	\$-26.4	\$-6.8	\$-0.0	\$0.0	\$5.0	\$11.3	\$11.8	

A PERCENTAGE DIFFERENCE WHICH FALLS ON A COLUMN BOUNDARY IS INCLUDED IN THE HIGHER COLUMN

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RATE DATA ANALYSIS :RATEP.DR5337.JCL(REPORT)      PACIFIC GAS AND ELECTRIC COMPANY      10:07 Monday, July 28, 2014  
CORRELATION OF AVERAGE MONTHLY DOLLAR AND PERCENT DIFFERENCES  
Comparison Between 2017 Proposed Rates  
AND 2018 Proposed Rates (Assuming 2.1% increase in RRQ)  
FOR ANNUAL  
RRQIR update / Data: JAN 2011 - Dec 2011 / E6 E7 migrating to ETOU and E8 migrating to E1 in 2016  
RES full service

----- LAST RATE SCHEDULE=E8L -----

\$ PCT	MONTHLY \$ DIFFERENCE	BELOW -20% DECREASE	-20 - -10% DECREASE	-10 - -5% DECREASE	-5 - -0.01% DECREASE	-0.01 - 0% DECREASE	0 - 0.01% INCREASE	0.01 - 5% INCREASE	5 - 10% INCREASE	10 - 20% INCREASE	ABOVE 20% INCREASE
4%	\$3.56	0	0	0	59(0.7%)	0	1(0.0%)	152(1.7%)	135(1.6%)	0	0
8%	\$4.62	0	0	0	0	0	0	211(2.4%)	137(1.6%)	0	0
12%	\$5.27	0	0	0	0	0	0	171(2.0%)	177(2.0%)	0	0
16%	\$5.76	0	0	0	0	0	0	163(1.9%)	190(2.2%)	0	0
20%	\$6.23	0	0	0	0	0	0	194(2.2%)	152(1.7%)	0	0
24%	\$6.60	0	0	0	0	0	0	189(2.2%)	156(1.8%)	0	0
28%	\$6.92	0	0	0	0	0	0	127(1.5%)	234(2.7%)	0	0
32%	\$7.18	0	0	0	0	0	0	84(1.0%)	251(2.9%)	0	0
36%	\$7.46	0	0	0	0	0	0	111(1.3%)	240(2.8%)	0	0
40%	\$7.78	0	0	0	0	0	0	149(1.7%)	204(2.3%)	0	0
44%	\$8.06	0	0	0	0	0	0	134(1.5%)	210(2.4%)	0	0
48%	\$8.33	0	0	0	0	0	0	64(0.7%)	290(3.3%)	0	0
52%	\$8.62	0	0	0	0	0	0	30(0.3%)	314(3.6%)	0	0
56%	\$9.41	0	0	0	0	0	0	19(0.2%)	320(3.7%)	0	0
60%	\$10.38	0	0	0	0	0	0	30(0.3%)	323(3.7%)	0	0
64%	\$11.25	0	0	0	0	0	0	45(0.5%)	300(3.5%)	0	0
68%	\$11.96	0	0	0	0	0	0	52(0.6%)	296(3.4%)	0	0
72%	\$12.57	0	0	0	0	0	0	73(0.8%)	278(3.2%)	0	0
76%	\$13.11	0	0	0	0	0	0	68(0.8%)	276(3.2%)	0	0
80%	\$13.59	0	0	0	0	0	0	76(0.9%)	272(3.1%)	0	0
84%	\$14.09	0	0	0	0	0	0	40(0.5%)	306(3.5%)	0	0
88%	\$14.64	0	0	0	0	0	0	44(0.5%)	306(3.5%)	0	0
92%	\$15.27	0	0	0	0	0	0	29(0.3%)	317(3.6%)	0	0
96%	\$17.03	0	0	0	0	0	0	8(0.1%)	338(3.9%)	0	0
100%	\$55.25	0	0	0	0	0	0	17(0.2%)	330(3.8%)	0	0
TOTAL		0	0	0	59	0	1	2,280	6,352	0	0
		0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	26.2%	73.1%	0.0%	0.0%
CUMULATIVE		0	0	0	59	59	60	2,340	8,692	8,692	8,692
		0.0%	0.0%	0.0%	0.7%	0.7%	0.7%	26.9%	100.0%	100.0%	100.0%
AVG.MO DIFF.					-\$14.6		\$0.0	\$7.5	\$10.6		

A3-36

**PACIFIC GAS AND ELECTRIC COMPANY**

**APPENDIX 4**

**BILL COMPARISONS USING ENERGY DIVISION FORMAT: AT  
ILLUSTRATIVE RATES ASSUMING 2.1% GROWTH IN REVENUE  
REQUIREMENT AND 52.5% BASELINE QUANTITIES**

RATE DATA ANALYSIS DR5337 - RROIR update - E1: Aug 2014 Rates vs. 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Aug 2014 Rates	Avg Monthly Bill (\$) using 2015 Proposed Rates	Avg \$ change	Avg % change
0 -< 50 kwh	70,310	2.5	2.5	16,949,825	818,026	21	\$5.33	\$8.02	\$2.69	50.42
50 -< 100 kwh	80,498	2.9	5.4	71,515,368	933,395	77	\$11.47	\$16.27	\$4.80	41.86
100 -< 150 kwh	114,247	4.1	9.4	167,461,693	1,327,858	126	\$18.66	\$23.59	\$4.93	26.4
150 -< 200 kwh	143,996	5.1	14.5	294,688,390	1,677,105	176	\$26.01	\$30.99	\$4.98	19.14
200 -< 250 kwh	167,374	6.0	20.5	440,745,958	1,955,037	225	\$33.55	\$38.65	\$5.11	15.23
250 -< 300 kwh	182,650	6.5	27.0	588,965,116	2,139,468	275	\$41.51	\$46.90	\$5.39	13
300 -< 350 kwh	190,657	6.8	33.7	727,888,182	2,239,352	325	\$50.19	\$55.75	\$5.56	11.08
350 -< 400 kwh	192,920	6.9	40.6	851,325,631	2,270,639	375	\$59.71	\$65.23	\$5.52	9.25
400 -< 450 kwh	187,914	6.7	47.3	941,224,139	2,215,607	425	\$70.07	\$75.22	\$5.15	7.34
450 -< 500 kwh	178,654	6.4	53.6	1,001,721,957	2,110,156	475	\$81.33	\$85.69	\$4.36	5.36
500 -< 550 kwh	164,672	5.9	59.5	1,022,020,417	1,947,958	525	\$93.24	\$96.60	\$3.36	3.6
550 -< 600 kwh	150,099	5.3	64.8	1,020,894,472	1,776,979	575	\$105.54	\$107.87	\$2.34	2.21
600 -< 650 kwh	134,900	4.8	69.6	997,727,093	1,597,897	624	\$118.28	\$119.65	\$1.36	1.15
650 -< 700 kwh	119,157	4.2	73.8	952,680,181	1,412,557	674	\$131.30	\$131.84	\$0.54	0.41
700 -< 750 kwh	104,949	3.7	77.6	901,633,593	1,244,756	724	\$144.54	\$144.42	(\$0.12)	-0.09
750 -< 800 kwh	91,095	3.2	80.8	837,061,751	1,080,953	774	\$158.17	\$157.47	(\$0.71)	-0.45
800 -< 850 kwh	79,093	2.8	83.6	773,608,600	938,429	824	\$171.84	\$170.64	(\$1.21)	-0.7
850 -< 900 kwh	67,880	2.4	86.0	704,491,569	805,697	874	\$185.58	\$183.93	(\$1.65)	-0.89
900 -< 1000 kwh	108,844	3.9	89.9	1,224,242,023	1,292,188	947	\$205.81	\$203.59	(\$2.22)	-1.08
1000 -< 1100 kwh	78,915	2.8	92.7	981,047,624	936,860	1,047	\$233.74	\$230.85	(\$2.89)	-1.24
1100 -< 1200 kwh	55,373	2.0	94.6	754,144,359	657,512	1,147	\$261.86	\$258.29	(\$3.57)	-1.36
1200 -< 1300 kwh	39,534	1.4	96.0	584,991,705	469,164	1,247	\$289.83	\$285.58	(\$4.25)	-1.47
1300 -< 1400 kwh	27,516	1.0	97.0	439,860,852	326,595	1,347	\$318.66	\$313.64	(\$5.02)	-1.58
1400 -< 1500 kwh	19,545	0.7	97.7	335,535,529	231,896	1,447	\$347.64	\$341.75	(\$5.89)	-1.69
1500 -< 2000 kwh	41,606	1.5	99.2	833,686,663	493,143	1,691	\$420.20	\$412.22	(\$7.98)	-1.9
2000 -< 2500 kwh	11,425	0.4	99.6	298,084,558	135,163	2,205	\$582.72	\$570.68	(\$12.03)	-2.06
2500 -< 3000 kwh	4,344	0.2	99.8	139,599,929	51,336	2,719	\$751.36	\$736.25	(\$15.11)	-2.01
3000 -< 3500 kwh	2,275	0.1	99.8	86,646,734	26,832	3,229	\$918.44	\$900.42	(\$18.02)	-1.96
3500 -< 4000 kwh	1,409	0.1	99.9	61,631,011	16,544	3,725	\$1,076.81	\$1,056.17	(\$20.64)	-1.92
4000 -< 5000 kwh	1,531	0.1	99.9	79,491,483	17,926	4,434	\$1,304.95	\$1,280.56	(\$24.39)	-1.87
5000 -< 6000 kwh	743	0.0	100.0	47,200,435	8,681	5,437	\$1,630.29	\$1,602.28	(\$28.00)	-1.72
6000 -< 7000 kwh	413	0.0	100.0	31,158,963	4,830	6,451	\$1,943.84	\$1,906.96	(\$36.88)	-1.9
7000 -< 8000 kwh	218	0.0	100.0	18,886,316	2,536	7,447	\$2,266.97	\$2,226.02	(\$40.95)	-1.81
8000 -< 9000 kwh	111	-	100.0	10,981,766	1,291	8,504	\$2,595.19	\$2,541.90	(\$53.29)	-2.05
9000 -< 10000 kwh	87	-	100.0	9,700,362	1,024	9,472	\$2,914.87	\$2,865.01	(\$49.87)	-1.71
10000 - HIGH	150	0.0	100.0	28,781,824	1,762	16,336	\$5,085.38	\$4,995.70	(\$89.68)	-1.76

A4-1

RATE DATA ANALYSIS DR5337 - RROIR update - E1L: Aug 2014 Rates vs. 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using		Avg \$ change	Avg % change
							Aug 2014 Rates	Proposed Rates		
0 -< 50 kwh	4,873	0.4	0.4	1,410,318	56,465	25	\$4.03	\$4.91	\$0.88	21.93
50 -< 100 kwh	16,751	1.5	1.9	15,609,125	194,613	80	\$7.53	\$10.27	\$2.74	36.37
100 -< 150 kwh	41,465	3.6	5.5	61,649,436	483,112	128	\$11.84	\$14.88	\$3.04	25.66
150 -< 200 kwh	63,532	5.5	11.0	130,674,117	741,313	176	\$16.35	\$19.62	\$3.27	20.02
200 -< 250 kwh	78,323	6.8	17.7	206,266,975	914,645	226	\$21.00	\$24.50	\$3.50	16.67
250 -< 300 kwh	86,522	7.5	25.2	278,347,174	1,011,228	275	\$25.90	\$29.59	\$3.69	14.26
300 -< 350 kwh	87,452	7.6	32.8	332,429,980	1,023,072	325	\$31.13	\$34.86	\$3.73	11.96
350 -< 400 kwh	85,893	7.4	40.2	376,867,459	1,005,484	375	\$36.75	\$40.32	\$3.57	9.71
400 -< 450 kwh	81,873	7.1	47.3	407,514,649	959,447	425	\$42.71	\$45.93	\$3.22	7.55
450 -< 500 kwh	76,475	6.6	53.9	425,484,669	896,473	475	\$48.90	\$51.66	\$2.76	5.65
500 -< 550 kwh	70,780	6.1	60.0	435,722,102	830,611	525	\$55.28	\$57.53	\$2.25	4.07
550 -< 600 kwh	63,778	5.5	65.5	429,973,724	748,463	574	\$61.74	\$63.48	\$1.74	2.81
600 -< 650 kwh	56,807	4.9	70.4	416,323,687	666,693	624	\$68.31	\$69.56	\$1.25	1.83
650 -< 700 kwh	50,073	4.3	74.8	396,112,226	587,281	674	\$74.97	\$75.77	\$0.80	1.07
700 -< 750 kwh	43,345	3.8	78.5	368,584,504	508,861	724	\$81.61	\$82.05	\$0.44	0.54
750 -< 800 kwh	37,547	3.3	81.8	341,249,291	440,709	774	\$88.41	\$88.51	\$0.09	0.11
800 -< 850 kwh	32,359	2.8	84.6	313,125,251	379,874	824	\$95.04	\$94.89	(\$0.15)	-0.16
850 -< 900 kwh	26,935	2.3	86.9	276,216,580	315,974	874	\$101.77	\$101.42	(\$0.35)	-0.35
900 -< 1000 kwh	41,160	3.6	90.4	457,262,307	482,982	947	\$111.61	\$110.97	(\$0.64)	-0.57
1000 -< 1100 kwh	28,296	2.5	92.9	347,537,878	331,897	1,047	\$125.01	\$124.11	(\$0.90)	-0.72
1100 -< 1200 kwh	20,238	1.8	94.6	272,497,474	237,546	1,147	\$138.49	\$137.28	(\$1.21)	-0.88
1200 -< 1300 kwh	14,803	1.3	95.9	216,805,284	173,777	1,248	\$152.37	\$150.79	(\$1.57)	-1.03
1300 -< 1400 kwh	10,629	0.9	96.8	168,239,785	124,867	1,347	\$166.07	\$164.09	(\$1.98)	-1.19
1400 -< 1500 kwh	7,725	0.7	97.5	131,299,400	90,699	1,448	\$180.54	\$178.06	(\$2.48)	-1.38
1500 -< 2000 kwh	17,468	1.5	99.0	347,681,423	205,317	1,693	\$216.26	\$212.91	(\$3.35)	-1.55
2000 -< 2500 kwh	5,022	0.4	99.5	130,308,828	58,936	2,211	\$294.36	\$289.91	(\$4.45)	-1.51
2500 -< 3000 kwh	2,095	0.2	99.6	67,158,955	24,612	2,729	\$375.48	\$371.19	(\$4.30)	-1.14
3000 -< 3500 kwh	1,313	0.1	99.8	49,804,142	15,411	3,232	\$454.10	\$450.27	(\$3.83)	-0.84
3500 -< 4000 kwh	815	0.1	99.8	35,635,987	9,535	3,737	\$532.43	\$528.67	(\$3.76)	-0.71
4000 -< 5000 kwh	1,016	0.1	99.9	52,695,081	11,870	4,440	\$638.89	\$635.31	(\$3.58)	-0.56
5000 -< 6000 kwh	541	0.1	100.0	34,451,654	6,297	5,471	\$796.82	\$793.53	(\$3.29)	-0.41
6000 -< 7000 kwh	255	0.0	100.0	19,107,362	2,968	6,438	\$939.92	\$936.04	(\$3.89)	-0.41
7000 -< 8000 kwh	141	0.0	100.0	12,279,471	1,649	7,447	\$1,090.65	\$1,086.52	(\$4.13)	-0.38
8000 -< 9000 kwh	73	0.0	100.0	7,193,131	857	8,396	\$1,235.09	\$1,231.20	(\$3.89)	-0.32
9000 -< 10000 kwh	46	-	100.0	5,116,433	543	9,420	\$1,394.91	\$1,392.09	(\$2.82)	-0.2
10000 - HIGH	53	-	100.0	7,376,075	621	11,885	\$1,760.69	\$1,756.63	(\$4.06)	-0.23

A4-2

RATE DATA ANALYSIS DR5337 - RROIR update - E6: Aug 2014 Rates vs. 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
 Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Aug 2014 Rates	Avg Monthly Bill (\$) using Proposed Rates	Avg \$ change	Avg % change
0 -< 50 kwh	23	0.4	0.4	3,360	272	12	\$5.30	\$6.88	\$1.58	29.9
50 -< 100 kwh	24	0.4	0.9	22,672	287	79	\$10.42	\$14.77	\$4.35	41.7
100 -< 150 kwh	63	1.2	2.0	94,718	743	127	\$16.16	\$20.05	\$3.89	24.1
150 -< 200 kwh	133	2.4	4.5	278,318	1,561	178	\$21.77	\$25.91	\$4.14	19.0
200 -< 250 kwh	210	3.8	8.3	562,536	2,483	227	\$27.83	\$32.36	\$4.52	16.3
250 -< 300 kwh	265	4.9	13.2	874,168	3,157	277	\$35.33	\$40.12	\$4.79	13.6
300 -< 350 kwh	321	5.9	19.0	1,241,420	3,810	326	\$45.05	\$49.82	\$4.78	10.6
350 -< 400 kwh	368	6.7	25.8	1,633,515	4,369	374	\$53.28	\$57.86	\$4.57	8.6
400 -< 450 kwh	359	6.6	32.3	1,812,707	4,264	425	\$63.90	\$68.89	\$4.99	7.8
450 -< 500 kwh	384	7.0	39.4	2,151,023	4,534	474	\$73.75	\$78.24	\$4.49	6.1
500 -< 550 kwh	320	5.9	45.2	1,993,172	3,803	524	\$84.77	\$88.99	\$4.22	5.0
550 -< 600 kwh	303	5.6	50.8	2,080,835	3,615	576	\$96.98	\$100.88	\$3.90	4.0
600 -< 650 kwh	276	5.1	55.8	2,058,132	3,288	626	\$110.36	\$113.79	\$3.43	3.1
650 -< 700 kwh	269	4.9	60.8	2,146,044	3,180	675	\$123.20	\$126.14	\$2.94	2.4
700 -< 750 kwh	210	3.8	64.6	1,810,564	2,500	724	\$132.30	\$135.14	\$2.85	2.2
750 -< 800 kwh	198	3.6	68.2	1,823,552	2,350	776	\$148.02	\$150.35	\$2.33	1.6
800 -< 850 kwh	183	3.4	71.6	1,785,324	2,167	824	\$161.21	\$163.36	\$2.15	1.3
850 -< 900 kwh	152	2.8	74.4	1,579,204	1,804	875	\$174.51	\$176.36	\$1.86	1.1
900 -< 1000 kwh	268	4.9	79.3	2,991,160	3,160	946	\$193.19	\$194.21	\$1.02	0.5
1000 -< 1100 kwh	207	3.8	83.1	2,564,528	2,449	1,047	\$219.98	\$221.25	\$1.27	0.6
1100 -< 1200 kwh	147	2.7	85.7	2,010,241	1,750	1,148	\$250.21	\$250.48	\$0.28	0.1
1200 -< 1300 kwh	134	2.5	88.2	1,964,795	1,575	1,248	\$277.78	\$277.78	\$0.00	-
1300 -< 1400 kwh	100	1.8	90.0	1,600,420	1,192	1,342	\$306.75	\$306.40	(\$0.35)	(0.1)
1400 -< 1500 kwh	84	1.5	91.6	1,452,430	1,003	1,448	\$333.52	\$332.08	(\$1.43)	(0.4)
1500 -< 2000 kwh	199	3.6	95.2	4,041,881	2,353	1,718	\$416.71	\$414.29	(\$2.42)	(0.6)
2000 -< 2500 kwh	94	1.7	96.9	2,477,806	1,116	2,221	\$570.97	\$568.53	(\$2.44)	(0.4)
2500 -< 3000 kwh	49	0.9	97.8	1,594,902	582	2,740	\$725.85	\$720.79	(\$5.06)	(0.7)
3000 -< 3500 kwh	27	0.5	98.3	1,040,399	324	3,210	\$847.63	\$834.41	(\$13.22)	(1.6)
3500 -< 4000 kwh	19	0.4	98.7	843,462	223	3,779	\$1,030.59	\$1,017.88	(\$12.71)	(1.2)
4000 -< 5000 kwh	23	0.4	99.1	1,189,795	269	4,427	\$1,246.20	\$1,244.89	(\$1.30)	(0.1)
5000 -< 6000 kwh	10	0.2	99.3	642,986	117	5,486	\$1,550.29	\$1,545.76	(\$4.54)	(0.3)
6000 -< 7000 kwh	22	0.4	99.7	1,637,248	253	6,467	\$1,884.89	\$1,877.50	(\$7.39)	(0.4)
7000 -< 8000 kwh	4	0.1	99.7	346,684	48	7,223	\$2,089.35	\$2,087.21	(\$2.14)	(0.1)
8000 -< 9000 kwh	5	0.1	99.8	492,463	59	8,399	\$2,442.98	\$2,441.90	(\$1.08)	(0.0)
9000 -< 10000 kwh	1	0.0	99.9	112,761	12	9,370	\$2,769.69	\$2,757.84	(\$11.85)	(0.4)
10000 - HIGH	8	0.2	100.0	1,434,190	92	15,527	\$4,628.39	\$4,611.39	(\$17.00)	(0.4)

A4-3

RATE DATA ANALYSIS DR5337 - RROIR update - E6L: Aug 2014 Rates vs. 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
 Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$)	Avg Monthly Bill (\$)	Avg \$ change	Avg % change
							using Aug 2014 Rates	using 2015 Proposed Rates		
50 -< 100 kwh	2	0.5	0.5	1,859	24	77	\$6.74	\$8.99	\$2.26	33.5
100 -< 150 kwh	5	1.3	1.9	6,487	58	113	\$9.01	\$11.40	\$2.40	26.6
150 -< 200 kwh	5	1.3	3.2	9,988	56	180	\$13.78	\$16.43	\$2.65	19.3
200 -< 250 kwh	17	4.5	7.7	45,721	204	224	\$18.11	\$21.19	\$3.08	17.0
250 -< 300 kwh	8	2.1	9.8	24,795	93	266	\$22.97	\$25.96	\$2.99	13.0
300 -< 350 kwh	12	3.2	12.9	44,297	138	321	\$29.65	\$31.92	\$2.27	7.7
350 -< 400 kwh	21	5.5	18.5	91,869	244	377	\$32.84	\$35.92	\$3.08	9.4
400 -< 450 kwh	13	3.4	21.9	64,656	152	426	\$41.56	\$43.86	\$2.30	5.5
450 -< 500 kwh	17	4.5	26.4	94,370	198	477	\$43.50	\$46.86	\$3.36	7.7
500 -< 550 kwh	11	2.9	29.3	66,471	128	517	\$49.59	\$51.70	\$2.11	4.3
550 -< 600 kwh	17	4.5	33.8	114,874	199	577	\$54.75	\$56.48	\$1.74	3.2
600 -< 650 kwh	13	3.4	37.2	96,785	156	620	\$58.28	\$59.03	\$0.75	1.3
650 -< 700 kwh	15	4.0	41.2	117,993	176	672	\$74.77	\$75.22	\$0.45	0.6
700 -< 750 kwh	20	5.3	46.4	169,863	237	717	\$80.23	\$80.53	\$0.31	0.4
750 -< 800 kwh	14	3.7	50.1	127,004	164	775	\$83.77	\$85.06	\$1.29	1.5
800 -< 850 kwh	13	3.4	53.6	125,094	152	820	\$89.32	\$90.42	\$1.10	1.2
850 -< 900 kwh	14	3.7	57.3	147,915	168	880	\$95.60	\$96.36	\$0.77	0.8
900 -< 1000 kwh	14	3.7	61.0	156,554	165	951	\$114.15	\$113.60	(\$0.55)	(0.5)
1000 -< 1100 kwh	15	4.0	64.9	188,967	179	1,056	\$123.66	\$123.81	\$0.14	0.1
1100 -< 1200 kwh	11	2.9	67.8	142,897	125	1,143	\$135.24	\$134.05	(\$1.18)	(0.9)
1200 -< 1300 kwh	8	2.1	69.9	114,962	92	1,250	\$116.90	\$117.37	\$0.47	0.4
1300 -< 1400 kwh	12	3.2	73.1	193,637	142	1,359	\$138.03	\$137.10	(\$0.93)	(0.7)
1400 -< 1500 kwh	3	0.8	73.9	49,686	34	1,461	\$168.62	\$171.13	\$2.50	1.5
1500 -< 2000 kwh	30	7.9	81.8	618,114	357	1,733	\$209.01	\$208.57	(\$0.44)	(0.2)
2000 -< 2500 kwh	16	4.2	86.0	410,574	185	2,215	\$280.58	\$282.62	\$2.03	0.7
2500 -< 3000 kwh	7	1.9	87.9	239,439	83	2,885	\$350.61	\$354.78	\$4.18	1.2
3000 -< 3500 kwh	12	3.2	91.0	462,688	143	3,241	\$425.69	\$433.41	\$7.73	1.8
3500 -< 4000 kwh	8	2.1	93.1	357,005	96	3,719	\$464.55	\$473.38	\$8.83	1.9
4000 -< 5000 kwh	8	2.1	95.3	401,377	94	4,270	\$559.73	\$572.13	\$12.40	2.2
5000 -< 6000 kwh	8	2.1	97.4	509,170	95	5,360	\$681.62	\$699.07	\$17.45	2.6
6000 -< 7000 kwh	7	1.9	99.2	535,079	84	6,370	\$839.08	\$858.62	\$19.54	2.3
7000 -< 8000 kwh	1	0.3	99.5	90,347	12	7,529	\$1,051.64	\$1,063.40	\$11.77	1.1
9000 -< 10000 kwh	1	0.3	99.7	109,270	12	9,106	\$1,161.04	\$1,206.76	\$45.72	3.9
10000 - HIGH	1	0.3	100.0	129,964	12	10,830	\$1,441.57	\$1,487.79	\$46.21	3.2

A4-4



RATE DATA ANALYSIS DR5337 - RROIR update - E7: Aug 2014 Rates vs. 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
 Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Aug 2014 Rates	Avg Monthly Bill (\$) using Proposed Rates	Avg \$ change	Avg % change
0 -< 50 kwh	138	0.2	0.2	32,969	1,633	20	\$5.00	\$7.80	\$2.81	56.1
50 -< 100 kwh	237	0.4	0.7	221,564	2,786	80	\$8.95	\$15.77	\$6.83	76.3
100 -< 150 kwh	410	0.7	1.4	615,211	4,863	127	\$13.85	\$21.89	\$8.04	58.0
150 -< 200 kwh	628	1.1	2.5	1,316,958	7,453	177	\$19.18	\$28.44	\$9.26	48.3
200 -< 250 kwh	882	1.5	4.0	2,352,173	10,459	225	\$24.81	\$35.12	\$10.31	41.5
250 -< 300 kwh	1,213	2.1	6.1	3,957,879	14,336	276	\$31.43	\$43.41	\$11.98	38.1
300 -< 350 kwh	1,490	2.6	8.7	5,770,270	17,706	326	\$38.58	\$52.01	\$13.43	34.8
350 -< 400 kwh	1,834	3.2	11.8	8,161,615	21,748	375	\$46.93	\$61.63	\$14.70	31.3
400 -< 450 kwh	2,219	3.8	15.7	11,201,349	26,305	426	\$56.04	\$71.53	\$15.50	27.7
450 -< 500 kwh	2,543	4.4	20.1	14,348,471	30,183	475	\$66.32	\$82.30	\$15.98	24.1
500 -< 550 kwh	2,717	4.7	24.8	16,915,336	32,160	526	\$77.09	\$93.33	\$16.24	21.1
550 -< 600 kwh	2,826	4.9	29.7	19,291,205	33,543	575	\$87.62	\$104.24	\$16.62	19.0
600 -< 650 kwh	2,930	5.1	34.7	21,717,269	34,735	625	\$99.15	\$115.95	\$16.80	17.0
650 -< 700 kwh	2,959	5.1	39.9	23,650,701	35,037	675	\$110.39	\$127.78	\$17.39	15.8
700 -< 750 kwh	2,926	5.1	44.9	25,128,157	34,666	725	\$121.74	\$139.72	\$17.99	14.8
750 -< 800 kwh	2,866	5.0	49.9	26,318,676	33,956	775	\$133.75	\$152.50	\$18.75	14.0
800 -< 850 kwh	2,854	4.9	54.8	27,906,650	33,821	825	\$145.16	\$164.76	\$19.61	13.5
850 -< 900 kwh	2,674	4.6	59.5	27,714,464	31,692	874	\$157.19	\$177.55	\$20.37	13.0
900 -< 1000 kwh	4,869	8.4	67.9	54,762,744	57,712	949	\$175.04	\$196.74	\$21.70	12.4
1000 -< 1100 kwh	3,991	6.9	74.8	49,596,493	47,304	1,048	\$198.33	\$221.77	\$23.44	11.8
1100 -< 1200 kwh	3,290	5.7	80.5	44,838,687	39,029	1,149	\$221.29	\$246.41	\$25.12	11.4
1200 -< 1300 kwh	2,512	4.4	84.8	37,130,758	29,749	1,248	\$246.50	\$273.17	\$26.66	10.8
1300 -< 1400 kwh	1,953	3.4	88.2	31,233,488	23,167	1,348	\$270.60	\$298.70	\$28.10	10.4
1400 -< 1500 kwh	1,579	2.7	91.0	27,116,337	18,733	1,448	\$294.80	\$323.99	\$29.20	9.9
1500 -< 2000 kwh	3,598	6.2	97.2	72,533,841	42,712	1,698	\$359.75	\$392.31	\$32.57	9.1
2000 -< 2500 kwh	972	1.7	98.9	25,340,010	11,545	2,195	\$494.61	\$534.68	\$40.07	8.1
2500 -< 3000 kwh	333	0.6	99.4	10,715,729	3,948	2,714	\$639.42	\$688.77	\$49.35	7.7
3000 -< 3500 kwh	125	0.2	99.7	4,766,937	1,485	3,209	\$792.29	\$845.49	\$53.20	6.7
3500 -< 4000 kwh	73	0.1	99.8	3,228,920	867	3,725	\$953.68	\$1,025.62	\$71.94	7.5
4000 -< 5000 kwh	76	0.1	99.9	3,997,150	909	4,395	\$1,108.28	\$1,196.50	\$88.22	8.0
5000 -< 6000 kwh	24	0.0	100.0	1,575,338	286	5,506	\$1,450.81	\$1,562.96	\$112.15	7.7
6000 -< 7000 kwh	16	0.0	100.0	1,231,369	190	6,481	\$1,717.27	\$1,851.10	\$133.82	7.8
7000 -< 8000 kwh	4	0.0	100.0	355,805	47	7,496	\$2,034.55	\$2,200.81	\$166.26	8.2
8000 -< 9000 kwh	6	0.0	100.0	616,928	72	8,553	\$2,349.30	\$2,531.56	\$182.26	7.8
9000 -< 10000 kwh	1	-	100.0	108,880	12	9,175	\$2,339.80	\$2,575.33	\$235.52	10.1
10000 - HIGH	3	0.0	100.0	497,778	36	13,827	\$4,001.83	\$4,243.97	\$242.14	6.1

A4-5

RATE DATA ANALYSIS DR5337 - RROIR update - E7L: Aug 2014 Rates vs. 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
 Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Aug 2014 Rates	Avg Monthly Bill (\$) using 2015 Proposed Rates	Avg \$ change	Avg % change
0 -< 50 kwh	11	0.1	0.1	3,299	132	25	\$4.87	\$4.82	(\$0.05)	(1.0)
50 -< 100 kwh	24	0.3	0.5	21,597	279	77	\$7.82	\$9.97	\$2.14	27.4
100 -< 150 kwh	46	0.6	1.0	64,417	519	124	\$11.52	\$14.05	\$2.52	21.9
150 -< 200 kwh	89	1.2	2.2	186,294	1,039	179	\$16.16	\$18.86	\$2.70	16.7
200 -< 250 kwh	128	1.7	3.8	343,000	1,523	225	\$20.17	\$22.95	\$2.77	13.8
250 -< 300 kwh	186	2.4	6.2	608,544	2,203	276	\$25.43	\$28.43	\$3.01	11.8
300 -< 350 kwh	263	3.4	9.6	1,009,532	3,109	325	\$30.59	\$33.50	\$2.91	9.5
350 -< 400 kwh	274	3.5	13.2	1,219,415	3,247	376	\$36.66	\$39.24	\$2.58	7.0
400 -< 450 kwh	305	3.9	17.1	1,540,240	3,616	426	\$42.61	\$44.75	\$2.14	5.0
450 -< 500 kwh	354	4.6	21.7	1,994,656	4,191	476	\$48.87	\$50.41	\$1.54	3.2
500 -< 550 kwh	393	5.1	26.7	2,453,147	4,660	526	\$55.30	\$56.13	\$0.83	1.5
550 -< 600 kwh	378	4.9	31.6	2,568,242	4,460	576	\$61.88	\$62.09	\$0.21	0.3
600 -< 650 kwh	394	5.1	36.7	2,916,190	4,663	625	\$66.90	\$67.01	\$0.10	0.2
650 -< 700 kwh	369	4.8	41.4	2,966,408	4,391	675	\$75.16	\$74.14	(\$1.03)	(1.4)
700 -< 750 kwh	357	4.6	46.0	3,078,872	4,249	725	\$80.16	\$79.07	(\$1.09)	(1.4)
750 -< 800 kwh	372	4.8	50.8	3,432,571	4,428	775	\$85.78	\$84.91	(\$0.87)	(1.0)
800 -< 850 kwh	341	4.4	55.2	3,350,906	4,063	825	\$92.77	\$91.17	(\$1.60)	(1.7)
850 -< 900 kwh	325	4.2	59.4	3,368,125	3,850	875	\$98.32	\$96.72	(\$1.60)	(1.6)
900 -< 1000 kwh	590	7.6	67.0	6,631,805	6,985	949	\$108.89	\$106.58	(\$2.31)	(2.1)
1000 -< 1100 kwh	442	5.7	72.7	5,513,984	5,269	1,046	\$119.41	\$116.81	(\$2.60)	(2.2)
1100 -< 1200 kwh	380	4.9	77.6	5,195,474	4,519	1,150	\$133.17	\$129.77	(\$3.40)	(2.6)
1200 -< 1300 kwh	330	4.3	81.9	4,905,096	3,932	1,247	\$144.69	\$140.58	(\$4.11)	(2.8)
1300 -< 1400 kwh	297	3.8	85.7	4,770,867	3,537	1,349	\$158.29	\$153.03	(\$5.27)	(3.3)
1400 -< 1500 kwh	197	2.5	88.2	3,415,935	2,359	1,448	\$172.72	\$166.19	(\$6.54)	(3.8)
1500 -< 2000 kwh	586	7.6	95.8	11,837,449	6,972	1,698	\$206.29	\$199.15	(\$7.14)	(3.5)
2000 -< 2500 kwh	185	2.4	98.2	4,878,004	2,200	2,217	\$278.79	\$270.29	(\$8.50)	(3.1)
2500 -< 3000 kwh	57	0.7	98.9	1,847,061	675	2,737	\$351.17	\$346.16	(\$5.01)	(1.4)
3000 -< 3500 kwh	21	0.3	99.2	817,315	252	3,245	\$421.77	\$424.43	\$2.66	0.6
3500 -< 4000 kwh	18	0.2	99.4	794,101	215	3,687	\$475.05	\$482.47	\$7.42	1.6
4000 -< 5000 kwh	22	0.3	99.7	1,167,270	264	4,421	\$580.62	\$588.26	\$7.64	1.3
5000 -< 6000 kwh	11	0.1	99.9	707,276	132	5,358	\$703.81	\$723.99	\$20.19	2.9
6000 -< 7000 kwh	3	0.0	99.9	247,628	36	6,879	\$857.17	\$883.25	\$26.08	3.0
7000 -< 8000 kwh	4	0.1	99.9	357,125	48	7,440	\$997.35	\$1,028.29	\$30.94	3.1
9000 -< 10000 kwh	2	0.0	100.0	236,112	24	9,838	\$1,244.61	\$1,326.82	\$82.21	6.6
10000 - HIGH	3	0.0	100.0	423,663	36	11,768	\$1,668.46	\$1,683.68	\$15.22	0.9

A4-6

RATE DATA ANALYSIS DR5337 - RROIR update - E8: Aug 2014 Rates vs. 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
 Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Aug 2014 Rates	Avg Monthly Bill (\$) using 2015 Proposed Rates	Avg \$ change	Avg % change
0 -< 50 kwh	104	0.2	0.2	20,796	1,226	17	\$14.63	\$14.92	\$0.29	2.0
50 -< 100 kwh	75	0.2	0.4	69,087	876	79	\$22.50	\$23.88	\$1.38	6.1
100 -< 150 kwh	75	0.2	0.6	114,246	893	128	\$28.66	\$30.91	\$2.25	7.9
150 -< 200 kwh	134	0.3	0.9	277,521	1,583	175	\$34.94	\$38.08	\$3.13	9.0
200 -< 250 kwh	152	0.4	1.2	402,641	1,789	225	\$40.93	\$45.17	\$4.23	10.3
250 -< 300 kwh	188	0.4	1.7	618,008	2,234	277	\$47.77	\$53.23	\$5.46	11.4
300 -< 350 kwh	284	0.7	2.3	1,101,169	3,362	328	\$55.47	\$62.35	\$6.88	12.4
350 -< 400 kwh	402	0.9	3.2	1,794,037	4,756	377	\$62.92	\$71.20	\$8.28	13.2
400 -< 450 kwh	517	1.2	4.4	2,620,414	6,160	425	\$70.58	\$79.93	\$9.36	13.3
450 -< 500 kwh	669	1.5	5.9	3,798,125	7,994	475	\$80.05	\$90.28	\$10.24	12.8
500 -< 550 kwh	842	1.9	7.8	5,271,139	10,038	525	\$89.78	\$100.73	\$10.95	12.2
550 -< 600 kwh	1,072	2.4	10.3	7,354,686	12,792	575	\$99.70	\$111.40	\$11.70	11.7
600 -< 650 kwh	1,175	2.7	13.0	8,776,345	14,022	626	\$109.89	\$122.43	\$12.54	11.4
650 -< 700 kwh	1,347	3.1	16.0	10,822,636	16,041	675	\$121.21	\$134.59	\$13.38	11.0
700 -< 750 kwh	1,503	3.4	19.5	13,041,880	17,970	726	\$132.59	\$146.94	\$14.35	10.8
750 -< 800 kwh	1,643	3.7	23.2	15,210,222	19,625	775	\$142.71	\$158.00	\$15.29	10.7
800 -< 850 kwh	1,770	4.0	27.2	17,452,190	21,148	825	\$153.93	\$170.47	\$16.54	10.8
850 -< 900 kwh	1,832	4.2	31.4	19,155,407	21,893	875	\$166.46	\$184.09	\$17.63	10.6
900 -< 1000 kwh	3,730	8.5	39.9	42,366,728	44,592	950	\$182.97	\$202.51	\$19.54	10.7
1000 -< 1100 kwh	3,782	8.6	48.5	47,438,070	45,178	1,050	\$205.62	\$227.77	\$22.14	10.8
1100 -< 1200 kwh	3,469	7.9	56.4	47,615,654	41,434	1,149	\$229.61	\$254.32	\$24.70	10.8
1200 -< 1300 kwh	2,989	6.8	63.2	44,569,181	35,698	1,249	\$250.39	\$277.39	\$27.00	10.8
1300 -< 1400 kwh	2,647	6.0	69.2	42,651,111	31,617	1,349	\$275.47	\$304.85	\$29.38	10.7
1400 -< 1500 kwh	2,231	5.1	74.3	38,651,593	26,682	1,449	\$299.35	\$331.07	\$31.72	10.6
1500 -< 2000 kwh	6,548	14.9	89.2	133,775,584	78,238	1,710	\$365.86	\$403.96	\$38.10	10.4
2000 -< 2500 kwh	2,354	5.4	94.6	62,250,175	28,131	2,213	\$502.46	\$554.00	\$51.54	10.3
2500 -< 3000 kwh	1,008	2.3	96.9	32,709,792	12,046	2,715	\$640.29	\$706.25	\$65.96	10.3
3000 -< 3500 kwh	499	1.1	98.0	19,218,485	5,951	3,229	\$791.40	\$873.09	\$81.69	10.3
3500 -< 4000 kwh	280	0.6	98.7	12,439,310	3,331	3,734	\$932.07	\$1,029.91	\$97.83	10.5
4000 -< 5000 kwh	297	0.7	99.3	15,668,054	3,539	4,427	\$1,133.89	\$1,252.30	\$118.41	10.4
5000 -< 6000 kwh	122	0.3	99.6	7,943,140	1,449	5,481	\$1,432.96	\$1,581.24	\$148.28	10.4
6000 -< 7000 kwh	63	0.1	99.8	4,776,762	738	6,473	\$1,709.64	\$1,888.30	\$178.66	10.5
7000 -< 8000 kwh	35	0.1	99.8	3,073,422	411	7,477	\$2,008.24	\$2,224.52	\$216.28	10.8
8000 -< 9000 kwh	12	0.0	99.9	1,225,658	144	8,502	\$2,234.89	\$2,460.70	\$225.81	10.1
9000 -< 10000 kwh	10	0.0	99.9	1,078,200	115	9,414	\$2,545.41	\$2,819.62	\$274.21	10.8
10000 - HIGH	51	0.1	100.0	10,216,045	592	17,256	\$4,740.65	\$5,256.73	\$516.08	10.9

A4-7

RATE DATA ANALYSIS DR5337 - RROIR update - E8L: Aug 2014 Rates vs. 2015 Proposed Rates (Assuming 2.1% increase in RRQ)  
 Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Aug 2014 Rates	Avg Monthly Bill (\$) using 2015 Proposed Rates	Avg \$ change	Avg % change
0 -< 50 kwh	7	0.1	0.1	672	84	8	\$10.58	\$10.72	\$0.14	1.3
50 -< 100 kwh	10	0.1	0.2	8,198	112	74	\$15.73	\$17.07	\$1.35	8.56
100 -< 150 kwh	15	0.2	0.4	20,926	167	126	\$19.64	\$21.89	\$2.25	11.46
150 -< 200 kwh	28	0.3	0.7	59,645	330	181	\$23.89	\$27.14	\$3.25	13.58
200 -< 250 kwh	26	0.3	1.0	69,791	306	228	\$27.75	\$31.92	\$4.17	15.03
250 -< 300 kwh	51	0.6	1.6	166,968	603	277	\$31.62	\$36.66	\$5.05	15.97
300 -< 350 kwh	50	0.6	2.2	190,063	588	323	\$35.76	\$41.65	\$5.89	16.48
350 -< 400 kwh	99	1.1	3.3	443,249	1,175	377	\$40.33	\$47.21	\$6.88	17.06
400 -< 450 kwh	100	1.2	4.4	500,881	1,175	426	\$44.89	\$52.42	\$7.53	16.77
450 -< 500 kwh	181	2.1	6.5	1,023,800	2,163	473	\$49.69	\$57.77	\$8.09	16.27
500 -< 550 kwh	177	2.0	8.6	1,106,791	2,111	524	\$54.75	\$63.48	\$8.73	15.94
550 -< 600 kwh	188	2.2	10.7	1,282,290	2,238	573	\$60.45	\$69.56	\$9.11	15.08
600 -< 650 kwh	236	2.7	13.4	1,758,264	2,812	625	\$66.06	\$75.72	\$9.67	14.63
650 -< 700 kwh	259	3.0	16.4	2,086,151	3,089	675	\$71.26	\$81.36	\$10.10	14.18
700 -< 750 kwh	288	3.3	19.7	2,489,853	3,432	725	\$76.57	\$87.37	\$10.79	14.1
750 -< 800 kwh	276	3.2	22.9	2,554,798	3,295	775	\$83.01	\$94.24	\$11.23	13.52
800 -< 850 kwh	319	3.7	26.6	3,137,738	3,804	825	\$86.61	\$99.07	\$12.47	14.39
850 -< 900 kwh	358	4.1	30.7	3,751,114	4,285	875	\$92.54	\$105.61	\$13.07	14.12
900 -< 1000 kwh	691	8.0	38.6	7,825,393	8,243	949	\$100.96	\$115.14	\$14.18	14.05
1000 -< 1100 kwh	673	7.7	46.4	8,419,492	8,033	1,048	\$111.36	\$127.05	\$15.69	14.09
1100 -< 1200 kwh	629	7.2	53.6	8,646,974	7,516	1,151	\$122.89	\$139.94	\$17.05	13.88
1200 -< 1300 kwh	603	6.9	60.6	8,993,185	7,200	1,249	\$133.78	\$152.03	\$18.25	13.64
1300 -< 1400 kwh	547	6.3	66.9	8,826,594	6,538	1,350	\$145.96	\$165.51	\$19.55	13.4
1400 -< 1500 kwh	454	5.2	72.1	7,853,677	5,424	1,448	\$155.81	\$176.56	\$20.75	13.32
1500 -< 2000 kwh	1,374	15.8	87.9	28,087,148	16,419	1,711	\$189.11	\$213.68	\$24.58	13
2000 -< 2500 kwh	586	6.7	94.6	15,436,995	7,007	2,203	\$249.90	\$282.69	\$32.78	13.12
2500 -< 3000 kwh	221	2.5	97.2	7,166,986	2,635	2,720	\$312.26	\$354.51	\$42.25	13.53
3000 -< 3500 kwh	95	1.1	98.3	3,682,050	1,132	3,252	\$378.70	\$430.90	\$52.20	13.78
3500 -< 4000 kwh	49	0.6	98.8	2,184,756	588	3,715	\$437.71	\$498.92	\$61.21	13.98
4000 -< 5000 kwh	60	0.7	99.5	3,226,310	720	4,479	\$542.94	\$620.25	\$77.31	14.24
5000 -< 6000 kwh	15	0.2	99.7	998,386	180	5,549	\$678.46	\$775.03	\$96.57	14.23
6000 -< 7000 kwh	4	0.1	99.7	323,794	48	6,746	\$852.91	\$971.75	\$118.84	13.93
7000 -< 8000 kwh	3	0.0	99.8	271,622	36	7,545	\$948.21	\$1,096.93	\$148.71	15.68
8000 -< 9000 kwh	1	0.0	99.8	98,627	12	8,219	\$1,073.71	\$1,228.96	\$155.25	14.46
9000 -< 10000 kwh	2	0.0	99.8	221,265	24	9,219	\$1,201.09	\$1,375.16	\$174.07	14.49
10000 - HIGH	17	0.2	100.0	3,848,943	204	18,867	\$2,446.07	\$2,816.18	\$370.11	15.13

A4-8

RATE DATA ANALYSIS DR5337 - RROIR update - E1: 2015 Proposed Rates vs. 2016 Proposed Rates (Assuming 2.1% increase in RRQ)

Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Proposed Rates 2015	Avg Monthly Bill (\$) using Proposed Rates 2016	Avg \$ change	Avg % change
0 -< 50 kwh	70,310	2.5	2.5	16,949,825	818,026	21	\$8.02	\$13.00	\$4.98	62.01
50 -< 100 kwh	80,498	2.9	5.4	71,515,368	933,395	77	\$16.27	\$21.24	\$4.98	30.59
100 -< 150 kwh	114,247	4.1	9.4	167,461,693	1,327,858	126	\$23.59	\$28.56	\$4.97	21.09
150 -< 200 kwh	143,996	5.1	14.5	294,688,390	1,677,105	176	\$30.99	\$35.96	\$4.97	16.05
200 -< 250 kwh	167,374	6.0	20.5	440,745,958	1,955,037	225	\$38.65	\$43.62	\$4.97	12.86
250 -< 300 kwh	182,650	6.5	27.0	588,965,116	2,139,468	275	\$46.90	\$51.87	\$4.97	10.6
300 -< 350 kwh	190,657	6.8	33.7	727,888,182	2,239,352	325	\$55.75	\$60.71	\$4.97	8.91
350 -< 400 kwh	192,920	6.9	40.6	851,325,631	2,270,639	375	\$65.23	\$70.19	\$4.95	7.59
400 -< 450 kwh	187,914	6.7	47.3	941,224,139	2,215,607	425	\$75.22	\$80.11	\$4.90	6.51
450 -< 500 kwh	178,654	6.4	53.6	1,001,721,957	2,110,156	475	\$85.69	\$90.44	\$4.76	5.55
500 -< 550 kwh	164,672	5.9	59.5	1,022,020,417	1,947,958	525	\$96.60	\$101.11	\$4.51	4.67
550 -< 600 kwh	150,099	5.3	64.8	1,020,894,472	1,776,979	575	\$107.87	\$112.05	\$4.17	3.87
600 -< 650 kwh	134,900	4.8	69.6	997,727,093	1,597,897	624	\$119.65	\$123.36	\$3.71	3.1
650 -< 700 kwh	119,157	4.2	73.8	952,680,181	1,412,557	674	\$131.84	\$134.97	\$3.13	2.37
700 -< 750 kwh	104,949	3.7	77.6	901,633,593	1,244,756	724	\$144.42	\$146.84	\$2.42	1.68
750 -< 800 kwh	91,095	3.2	80.8	837,061,751	1,080,953	774	\$157.47	\$159.08	\$1.61	1.03
800 -< 850 kwh	79,093	2.8	83.6	773,608,600	938,429	824	\$170.64	\$171.40	\$0.77	0.45
850 -< 900 kwh	67,880	2.4	86.0	704,491,569	805,697	874	\$183.93	\$183.82	(\$0.12)	-0.06
900 -< 1000 kwh	108,844	3.9	89.9	1,224,242,023	1,292,188	947	\$203.59	\$202.13	(\$1.46)	-0.72
1000 -< 1100 kwh	78,915	2.8	92.7	981,047,624	936,860	1,047	\$230.85	\$227.45	(\$3.40)	-1.47
1100 -< 1200 kwh	55,373	2.0	94.6	754,144,359	657,512	1,147	\$258.29	\$252.93	(\$5.36)	-2.08
1200 -< 1300 kwh	39,534	1.4	96.0	584,991,705	469,164	1,247	\$285.58	\$278.28	(\$7.30)	-2.55
1300 -< 1400 kwh	27,516	1.0	97.0	439,860,852	326,595	1,347	\$313.64	\$304.27	(\$9.37)	-2.99
1400 -< 1500 kwh	19,545	0.7	97.7	335,535,529	231,896	1,447	\$341.75	\$330.32	(\$11.44)	-3.35
1500 -< 2000 kwh	41,606	1.5	99.2	833,686,663	493,143	1,691	\$412.22	\$395.30	(\$16.92)	-4.1
2000 -< 2500 kwh	11,425	0.4	99.6	298,084,558	135,163	2,205	\$570.68	\$540.19	(\$30.50)	-5.34
2500 -< 3000 kwh	4,344	0.2	99.8	139,599,929	51,336	2,719	\$736.25	\$690.51	(\$45.74)	-6.21
3000 -< 3500 kwh	2,275	0.1	99.8	86,646,734	26,832	3,229	\$900.42	\$839.55	(\$60.86)	-6.76
3500 -< 4000 kwh	1,409	0.1	99.9	61,631,011	16,544	3,725	\$1,056.17	\$981.35	(\$74.82)	-7.08
4000 -< 5000 kwh	1,531	0.1	99.9	79,491,483	17,926	4,434	\$1,280.56	\$1,185.44	(\$95.12)	-7.43
5000 -< 6000 kwh	743	0.0	100.0	47,200,435	8,681	5,437	\$1,602.28	\$1,477.26	(\$125.02)	-7.8
6000 -< 7000 kwh	413	0.0	100.0	31,158,963	4,830	6,451	\$1,906.96	\$1,756.80	(\$150.16)	-7.87
7000 -< 8000 kwh	218	0.0	100.0	18,886,316	2,536	7,447	\$2,226.02	\$2,046.34	(\$179.68)	-8.07
8000 -< 9000 kwh	111	-	100.0	10,981,766	1,291	8,504	\$2,541.90	\$2,336.94	(\$204.97)	-8.06
9000 -< 10000 kwh	87	-	100.0	9,700,362	1,024	9,472	\$2,865.01	\$2,627.40	(\$237.61)	-8.29
10000 - HIGH	150	0.0	100.0	28,781,824	1,762	16,336	\$4,995.70	\$4,570.53	(\$425.17)	-8.51

A-4-9

RATE DATA ANALYSIS DR5337 - RROIR update - E1L: 2015 Proposed Rates vs. 2016 Proposed Rates (Assuming 2.1% increase in RRQ)

Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Proposed Rates 2015	Avg Monthly Bill (\$) using Proposed Rates 2016	Avg \$ change	Avg % change
0 -< 50 kwh	4,873	0.4	0.4	1,410,318	56,465	25	\$4.91	\$7.55	\$2.64	53.71
50 -< 100 kwh	16,751	1.5	1.9	15,609,125	194,613	80	\$10.27	\$13.24	\$2.97	28.91
100 -< 150 kwh	41,465	3.6	5.5	61,649,436	483,112	128	\$14.88	\$18.13	\$3.25	21.87
150 -< 200 kwh	63,532	5.5	11.0	130,674,117	741,313	176	\$19.62	\$23.16	\$3.55	18.07
200 -< 250 kwh	78,323	6.8	17.7	206,266,975	914,645	226	\$24.50	\$28.34	\$3.84	15.68
250 -< 300 kwh	86,522	7.5	25.2	278,347,174	1,011,228	275	\$29.59	\$33.73	\$4.14	13.98
300 -< 350 kwh	87,452	7.6	32.8	332,429,980	1,023,072	325	\$34.86	\$39.29	\$4.43	12.72
350 -< 400 kwh	85,893	7.4	40.2	376,867,459	1,005,484	375	\$40.32	\$45.04	\$4.73	11.72
400 -< 450 kwh	81,873	7.1	47.3	407,514,649	959,447	425	\$45.93	\$50.94	\$5.01	10.91
450 -< 500 kwh	76,475	6.6	53.9	425,484,669	896,473	475	\$51.66	\$56.94	\$5.28	10.22
500 -< 550 kwh	70,780	6.1	60.0	435,722,102	830,611	525	\$57.53	\$63.06	\$5.53	9.61
550 -< 600 kwh	63,778	5.5	65.5	429,973,724	748,463	574	\$63.48	\$69.25	\$5.77	9.09
600 -< 650 kwh	56,807	4.9	70.4	416,323,687	666,693	624	\$69.56	\$75.55	\$5.99	8.61
650 -< 700 kwh	50,073	4.3	74.8	396,112,226	587,281	674	\$75.77	\$81.96	\$6.19	8.17
700 -< 750 kwh	43,345	3.8	78.5	368,584,504	508,861	724	\$82.05	\$88.42	\$6.37	7.77
750 -< 800 kwh	37,547	3.3	81.8	341,249,291	440,709	774	\$88.51	\$95.04	\$6.53	7.38
800 -< 850 kwh	32,359	2.8	84.6	313,125,251	379,874	824	\$94.89	\$101.59	\$6.69	7.06
850 -< 900 kwh	26,935	2.3	86.9	276,216,580	315,974	874	\$101.42	\$108.26	\$6.84	6.74
900 -< 1000 kwh	41,160	3.6	90.4	457,262,307	482,982	947	\$110.97	\$118.00	\$7.03	6.34
1000 -< 1100 kwh	28,296	2.5	92.9	347,537,878	331,897	1,047	\$124.11	\$131.42	\$7.31	5.89
1100 -< 1200 kwh	20,238	1.8	94.6	272,497,474	237,546	1,147	\$137.28	\$144.86	\$7.58	5.52
1200 -< 1300 kwh	14,803	1.3	95.9	216,805,284	173,777	1,248	\$150.79	\$158.61	\$7.82	5.18
1300 -< 1400 kwh	10,629	0.9	96.8	168,239,785	124,867	1,347	\$164.09	\$172.16	\$8.07	4.92
1400 -< 1500 kwh	7,725	0.7	97.5	131,299,400	90,699	1,448	\$178.06	\$186.32	\$8.26	4.64
1500 -< 2000 kwh	17,468	1.5	99.0	347,681,423	205,317	1,693	\$212.91	\$221.50	\$8.60	4.04
2000 -< 2500 kwh	5,022	0.4	99.5	130,308,828	58,936	2,211	\$289.91	\$298.71	\$8.80	3.04
2500 -< 3000 kwh	2,095	0.2	99.6	67,158,955	24,612	2,729	\$371.19	\$379.57	\$8.38	2.26
3000 -< 3500 kwh	1,313	0.1	99.8	49,804,142	15,411	3,232	\$450.27	\$458.21	\$7.94	1.76
3500 -< 4000 kwh	815	0.1	99.8	35,635,987	9,535	3,737	\$528.67	\$536.33	\$7.66	1.45
4000 -< 5000 kwh	1,016	0.1	99.9	52,695,081	11,870	4,440	\$635.31	\$642.87	\$7.56	1.19
5000 -< 6000 kwh	541	0.1	100.0	34,451,654	6,297	5,471	\$793.53	\$800.74	\$7.20	0.91
6000 -< 7000 kwh	255	0.0	100.0	19,107,362	2,968	6,438	\$936.04	\$943.69	\$7.66	0.82
7000 -< 8000 kwh	141	0.0	100.0	12,279,471	1,649	7,447	\$1,086.52	\$1,094.42	\$7.90	0.73
8000 -< 9000 kwh	73	0.0	100.0	7,193,131	857	8,396	\$1,231.20	\$1,238.88	\$7.68	0.62
9000 -< 10000 kwh	46	-	100.0	5,116,433	543	9,420	\$1,392.09	\$1,398.87	\$6.78	0.49
10000 - HIGH	53	-	100.0	7,376,075	621	11,885	\$1,756.63	\$1,764.42	\$7.79	0.44

A4-10

RATE DATA ANALYSIS DR5337 - RROIR update - E6: 2015 Proposed Rates vs. 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
E6 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$)	Avg Monthly Bill (\$)	Avg \$ change	Avg % change
							Proposed Rates	Proposed Rates		
0 -< 50 kwh	23	0.4	0.4	3,360	272	12	\$6.88	\$12.22	\$5.34	77.7
50 -< 100 kwh	24	0.4	0.9	22,672	287	79	\$14.77	\$23.33	\$8.56	58.0
100 -< 150 kwh	63	1.2	2.0	94,718	743	127	\$20.05	\$30.71	\$10.66	53.2
150 -< 200 kwh	133	2.4	4.5	278,318	1,561	178	\$25.91	\$38.57	\$12.66	48.9
200 -< 250 kwh	210	3.8	8.3	562,536	2,483	227	\$32.36	\$46.12	\$13.76	42.5
250 -< 300 kwh	265	4.9	13.2	874,168	3,157	277	\$40.12	\$54.44	\$14.32	35.7
300 -< 350 kwh	321	5.9	19.0	1,241,420	3,810	326	\$49.82	\$63.73	\$13.90	27.9
350 -< 400 kwh	368	6.7	25.8	1,633,515	4,369	374	\$57.86	\$71.84	\$13.98	24.2
400 -< 450 kwh	359	6.6	32.3	1,812,707	4,264	425	\$68.89	\$81.93	\$13.04	18.9
450 -< 500 kwh	384	7.0	39.4	2,151,023	4,534	474	\$78.24	\$89.96	\$11.71	15.0
500 -< 550 kwh	320	5.9	45.2	1,993,172	3,803	524	\$88.99	\$99.29	\$10.29	11.6
550 -< 600 kwh	303	5.6	50.8	2,080,835	3,615	576	\$100.88	\$108.81	\$7.93	7.9
600 -< 650 kwh	276	5.1	55.8	2,058,132	3,288	626	\$113.79	\$118.76	\$4.97	4.4
650 -< 700 kwh	269	4.9	60.8	2,146,044	3,180	675	\$126.14	\$127.35	\$1.21	1.0
700 -< 750 kwh	210	3.8	64.6	1,810,564	2,500	724	\$135.14	\$134.76	(\$0.38)	(0.3)
750 -< 800 kwh	198	3.6	68.2	1,823,552	2,350	776	\$150.35	\$144.61	(\$5.74)	(3.8)
800 -< 850 kwh	183	3.4	71.6	1,785,324	2,167	824	\$163.36	\$154.57	(\$8.79)	(5.4)
850 -< 900 kwh	152	2.8	74.4	1,579,204	1,804	875	\$176.36	\$164.82	(\$11.54)	(6.5)
900 -< 1000 kwh	268	4.9	79.3	2,991,160	3,160	946	\$194.21	\$176.52	(\$17.69)	(9.1)
1000 -< 1100 kwh	207	3.8	83.1	2,564,528	2,449	1,047	\$221.25	\$196.06	(\$25.20)	(11.4)
1100 -< 1200 kwh	147	2.7	85.7	2,010,241	1,750	1,148	\$250.48	\$213.77	(\$36.71)	(14.7)
1200 -< 1300 kwh	134	2.5	88.2	1,964,795	1,575	1,248	\$277.78	\$231.53	(\$46.25)	(16.7)
1300 -< 1400 kwh	100	1.8	90.0	1,600,420	1,192	1,342	\$306.40	\$249.35	(\$57.05)	(18.6)
1400 -< 1500 kwh	84	1.5	91.6	1,452,430	1,003	1,448	\$332.08	\$270.18	(\$61.90)	(18.6)
1500 -< 2000 kwh	199	3.6	95.2	4,041,881	2,353	1,718	\$414.29	\$318.29	(\$96.00)	(23.2)
2000 -< 2500 kwh	94	1.7	96.9	2,477,806	1,116	2,221	\$568.53	\$407.54	(\$160.99)	(28.3)
2500 -< 3000 kwh	49	0.9	97.8	1,594,902	582	2,740	\$720.79	\$501.88	(\$218.91)	(30.4)
3000 -< 3500 kwh	27	0.5	98.3	1,040,399	324	3,210	\$834.41	\$586.49	(\$247.92)	(29.7)
3500 -< 4000 kwh	19	0.4	98.7	843,462	223	3,779	\$1,017.88	\$689.59	(\$328.29)	(32.3)
4000 -< 5000 kwh	23	0.4	99.1	1,189,795	269	4,427	\$1,244.89	\$801.25	(\$443.64)	(35.6)
5000 -< 6000 kwh	10	0.2	99.3	642,986	117	5,486	\$1,545.76	\$990.96	(\$554.80)	(35.9)
6000 -< 7000 kwh	22	0.4	99.7	1,637,248	253	6,467	\$1,877.50	\$1,178.95	(\$698.54)	(37.2)
7000 -< 8000 kwh	4	0.1	99.7	346,684	48	7,223	\$2,087.21	\$1,297.27	(\$789.93)	(37.9)
8000 -< 9000 kwh	5	0.1	99.8	492,463	59	8,399	\$2,441.90	\$1,505.78	(\$936.12)	(38.3)
9000 -< 10000 kwh	1	0.0	99.9	112,761	12	9,370	\$2,757.84	\$1,705.10	(\$1,052.73)	(38.2)
10000 - HIGH	8	0.2	100.0	1,434,190	92	15,527	\$4,611.39	\$2,808.75	(\$1,802.64)	(39.1)

A4-11

RATE DATA ANALYSIS DR5337 - RROIR update - EGL: 2015 Proposed Rates vs. 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
E6 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using 2015 Proposed Rates	Avg Monthly Bill (\$) using 2016 Proposed Rates	Avg \$ change	Avg % change
50 -< 100 kwh	2	0.5	0.5	1,859	24	77	\$8.99	\$13.78	\$4.78	53.2
100 -< 150 kwh	5	1.3	1.9	6,487	58	113	\$11.40	\$17.58	\$6.17	54.1
150 -< 200 kwh	5	1.3	3.2	9,988	56	180	\$16.43	\$24.76	\$8.33	50.7
200 -< 250 kwh	17	4.5	7.7	45,721	204	224	\$21.19	\$30.51	\$9.32	44.0
250 -< 300 kwh	8	2.1	9.8	24,795	93	266	\$25.96	\$35.81	\$9.86	38.0
300 -< 350 kwh	12	3.2	12.9	44,297	138	321	\$31.92	\$42.19	\$10.27	32.2
350 -< 400 kwh	21	5.5	18.5	91,869	244	377	\$35.92	\$48.26	\$12.34	34.3
400 -< 450 kwh	13	3.4	21.9	64,656	152	426	\$43.86	\$55.27	\$11.41	26.0
450 -< 500 kwh	17	4.5	26.4	94,370	198	477	\$46.86	\$61.09	\$14.23	30.4
500 -< 550 kwh	11	2.9	29.3	66,471	128	517	\$51.70	\$64.62	\$12.91	25.0
550 -< 600 kwh	17	4.5	33.8	114,874	199	577	\$56.48	\$71.75	\$15.27	27.0
600 -< 650 kwh	13	3.4	37.2	96,785	156	620	\$59.03	\$76.14	\$17.11	29.0
650 -< 700 kwh	15	4.0	41.2	117,993	176	672	\$75.22	\$86.90	\$11.69	15.5
700 -< 750 kwh	20	5.3	46.4	169,863	237	717	\$80.53	\$91.08	\$10.55	13.1
750 -< 800 kwh	14	3.7	50.1	127,004	164	775	\$85.06	\$97.33	\$12.27	14.4
800 -< 850 kwh	13	3.4	53.6	125,094	152	820	\$90.42	\$104.57	\$14.15	15.7
850 -< 900 kwh	14	3.7	57.3	147,915	168	880	\$96.36	\$108.99	\$12.63	13.1
900 -< 1000 kwh	14	3.7	61.0	156,554	165	951	\$113.60	\$122.24	\$8.63	7.6
1000 -< 1100 kwh	15	4.0	64.9	188,967	179	1,056	\$123.81	\$129.36	\$5.55	4.5
1100 -< 1200 kwh	11	2.9	67.8	142,897	125	1,143	\$134.05	\$142.78	\$8.72	6.5
1200 -< 1300 kwh	8	2.1	69.9	114,962	92	1,250	\$117.37	\$131.58	\$14.20	12.1
1300 -< 1400 kwh	12	3.2	73.1	193,637	142	1,359	\$137.10	\$143.29	\$6.19	4.5
1400 -< 1500 kwh	3	0.8	73.9	49,686	34	1,461	\$171.13	\$172.63	\$1.50	0.9
1500 -< 2000 kwh	30	7.9	81.8	618,114	357	1,733	\$208.57	\$210.31	\$1.73	0.8
2000 -< 2500 kwh	16	4.2	86.0	410,574	185	2,215	\$282.62	\$265.94	(\$16.67)	(5.9)
2500 -< 3000 kwh	7	1.9	87.9	239,439	83	2,885	\$354.78	\$340.93	(\$13.85)	(3.9)
3000 -< 3500 kwh	12	3.2	91.0	462,688	143	3,241	\$433.41	\$386.48	(\$46.93)	(10.8)
3500 -< 4000 kwh	8	2.1	93.1	357,005	96	3,719	\$473.38	\$441.19	(\$32.19)	(6.8)
4000 -< 5000 kwh	8	2.1	95.3	401,377	94	4,270	\$572.13	\$505.60	(\$66.53)	(11.6)
5000 -< 6000 kwh	8	2.1	97.4	509,170	95	5,360	\$699.07	\$624.18	(\$74.89)	(10.7)
6000 -< 7000 kwh	7	1.9	99.2	535,079	84	6,370	\$858.62	\$749.98	(\$108.64)	(12.7)
7000 -< 8000 kwh	1	0.3	99.5	90,347	12	7,529	\$1,063.40	\$905.86	(\$157.54)	(14.8)
9000 -< 10000 kwh	1	0.3	99.7	109,270	12	9,106	\$1,206.76	\$1,055.70	(\$151.06)	(12.5)
10000 - HIGH	1	0.3	100.0	129,964	12	10,830	\$1,487.79	\$1,273.73	(\$214.05)	(14.4)

A4-12



RATE DATA ANALYSIS DR5337 - RROIR update - E7: 2015 Proposed Rates vs. 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
E7 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using 2015 Proposed Rates	Avg Monthly Bill (\$) using 2016 Proposed Rates	Avg \$ change	Avg % change
0 -< 50 kwh	138	0.2	0.2	32,969	1,633	20	\$7.80	\$13.25	\$5.45	69.8
50 -< 100 kwh	237	0.4	0.7	221,564	2,786	80	\$15.77	\$23.35	\$7.58	48.0
100 -< 150 kwh	410	0.7	1.4	615,211	4,863	127	\$21.89	\$31.15	\$9.25	42.3
150 -< 200 kwh	628	1.1	2.5	1,316,958	7,453	177	\$28.44	\$39.04	\$10.61	37.3
200 -< 250 kwh	882	1.5	4.0	2,352,173	10,459	225	\$35.12	\$46.69	\$11.57	33.0
250 -< 300 kwh	1,213	2.1	6.1	3,957,879	14,336	276	\$43.41	\$55.36	\$11.95	27.5
300 -< 350 kwh	1,490	2.6	8.7	5,770,270	17,706	326	\$52.01	\$63.68	\$11.67	22.4
350 -< 400 kwh	1,834	3.2	11.8	8,161,615	21,748	375	\$61.63	\$72.25	\$10.61	17.2
400 -< 450 kwh	2,219	3.8	15.7	11,201,349	26,305	426	\$71.53	\$80.80	\$9.27	13.0
450 -< 500 kwh	2,543	4.4	20.1	14,348,471	30,183	475	\$82.30	\$89.65	\$7.34	8.9
500 -< 550 kwh	2,717	4.7	24.8	16,915,336	32,160	526	\$93.33	\$98.48	\$5.15	5.5
550 -< 600 kwh	2,826	4.9	29.7	19,291,205	33,543	575	\$104.24	\$107.06	\$2.82	2.7
600 -< 650 kwh	2,930	5.1	34.7	21,717,269	34,735	625	\$115.95	\$115.96	\$0.01	0.0
650 -< 700 kwh	2,959	5.1	39.9	23,650,701	35,037	675	\$127.78	\$124.62	(\$3.16)	(2.5)
700 -< 750 kwh	2,926	5.1	44.9	25,128,157	34,666	725	\$139.72	\$133.25	(\$6.48)	(4.6)
750 -< 800 kwh	2,866	5.0	49.9	26,318,676	33,956	775	\$152.50	\$141.93	(\$10.57)	(6.9)
800 -< 850 kwh	2,854	4.9	54.8	27,906,650	33,821	825	\$164.76	\$150.42	(\$14.34)	(8.7)
850 -< 900 kwh	2,674	4.6	59.5	27,714,464	31,692	874	\$177.55	\$159.28	(\$18.27)	(10.3)
900 -< 1000 kwh	4,869	8.4	67.9	54,762,744	57,712	949	\$196.74	\$172.11	(\$24.63)	(12.5)
1000 -< 1100 kwh	3,991	6.9	74.8	49,596,493	47,304	1,048	\$221.77	\$189.36	(\$32.41)	(14.6)
1100 -< 1200 kwh	3,290	5.7	80.5	44,838,687	39,029	1,149	\$246.41	\$206.48	(\$39.92)	(16.2)
1200 -< 1300 kwh	2,512	4.4	84.8	37,130,758	29,749	1,248	\$273.17	\$223.43	(\$49.74)	(18.2)
1300 -< 1400 kwh	1,953	3.4	88.2	31,233,488	23,167	1,348	\$298.70	\$240.49	(\$58.21)	(19.5)
1400 -< 1500 kwh	1,579	2.7	91.0	27,116,337	18,733	1,448	\$323.99	\$256.97	(\$67.02)	(20.7)
1500 -< 2000 kwh	3,598	6.2	97.2	72,533,841	42,712	1,698	\$392.31	\$299.66	(\$92.65)	(23.6)
2000 -< 2500 kwh	972	1.7	98.9	25,340,010	11,545	2,195	\$534.68	\$384.20	(\$150.48)	(28.1)
2500 -< 3000 kwh	333	0.6	99.4	10,715,729	3,948	2,714	\$688.77	\$470.54	(\$218.23)	(31.7)
3000 -< 3500 kwh	125	0.2	99.7	4,766,937	1,485	3,209	\$845.49	\$556.45	(\$289.03)	(34.2)
3500 -< 4000 kwh	73	0.1	99.8	3,228,920	867	3,725	\$1,025.62	\$644.24	(\$381.38)	(37.2)
4000 -< 5000 kwh	76	0.1	99.9	3,997,150	909	4,395	\$1,196.50	\$759.77	(\$436.73)	(36.5)
5000 -< 6000 kwh	24	0.0	100.0	1,575,338	286	5,506	\$1,562.96	\$947.14	(\$615.83)	(39.4)
6000 -< 7000 kwh	16	0.0	100.0	1,231,369	190	6,481	\$1,851.10	\$1,116.34	(\$734.76)	(39.7)
7000 -< 8000 kwh	4	0.0	100.0	355,805	47	7,496	\$2,200.81	\$1,303.56	(\$897.25)	(40.8)
8000 -< 9000 kwh	6	0.0	100.0	616,928	72	8,553	\$2,531.56	\$1,457.59	(\$1,073.98)	(42.4)
9000 -< 10000 kwh	1	-	100.0	108,880	12	9,175	\$2,575.33	\$1,550.45	(\$1,024.87)	(39.8)
10000 - HIGH	3	0.0	100.0	497,778	36	13,827	\$4,243.97	\$2,379.31	(\$1,864.66)	(43.9)

A4-13

RATE DATA ANALYSIS DR5337 - RROIR update - E7L: 2015 Proposed Rates vs. 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
E7 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Proposed Rates 2015	Avg Monthly Bill (\$) using Proposed Rates 2016	Avg \$ change	Avg % change
0 -< 50 kwh	11	0.1	0.1	3,299	132	25	\$4.82	\$7.69	\$2.87	59.5
50 -< 100 kwh	24	0.3	0.5	21,597	279	77	\$9.97	\$13.62	\$3.65	36.6
100 -< 150 kwh	46	0.6	1.0	64,417	519	124	\$14.05	\$18.66	\$4.61	32.8
150 -< 200 kwh	89	1.2	2.2	186,294	1,039	179	\$18.86	\$24.50	\$5.64	29.9
200 -< 250 kwh	128	1.7	3.8	343,000	1,523	225	\$22.95	\$29.51	\$6.57	28.6
250 -< 300 kwh	186	2.4	6.2	608,544	2,203	276	\$28.43	\$35.20	\$6.77	23.8
300 -< 350 kwh	263	3.4	9.6	1,009,532	3,109	325	\$33.50	\$40.55	\$7.05	21.1
350 -< 400 kwh	274	3.5	13.2	1,219,415	3,247	376	\$39.24	\$46.42	\$7.17	18.3
400 -< 450 kwh	305	3.9	17.1	1,540,240	3,616	426	\$44.75	\$52.03	\$7.27	16.3
450 -< 500 kwh	354	4.6	21.7	1,994,656	4,191	476	\$50.41	\$57.78	\$7.37	14.6
500 -< 550 kwh	393	5.1	26.7	2,453,147	4,660	526	\$56.13	\$63.28	\$7.15	12.7
550 -< 600 kwh	378	4.9	31.6	2,568,242	4,460	576	\$62.09	\$69.03	\$6.93	11.2
600 -< 650 kwh	394	5.1	36.7	2,916,190	4,663	625	\$67.01	\$74.14	\$7.13	10.6
650 -< 700 kwh	369	4.8	41.4	2,966,408	4,391	675	\$74.14	\$80.15	\$6.01	8.1
700 -< 750 kwh	357	4.6	46.0	3,078,872	4,249	725	\$79.07	\$85.18	\$6.11	7.7
750 -< 800 kwh	372	4.8	50.8	3,432,571	4,428	775	\$84.91	\$90.86	\$5.95	7.0
800 -< 850 kwh	341	4.4	55.2	3,350,906	4,063	825	\$91.17	\$96.46	\$5.29	5.8
850 -< 900 kwh	325	4.2	59.4	3,368,125	3,850	875	\$96.72	\$102.21	\$5.49	5.7
900 -< 1000 kwh	590	7.6	67.0	6,631,805	6,985	949	\$106.58	\$110.62	\$4.04	3.8
1000 -< 1100 kwh	442	5.7	72.7	5,513,984	5,269	1,046	\$116.81	\$120.78	\$3.97	3.4
1100 -< 1200 kwh	380	4.9	77.6	5,195,474	4,519	1,150	\$129.77	\$132.37	\$2.59	2.0
1200 -< 1300 kwh	330	4.3	81.9	4,905,096	3,932	1,247	\$140.58	\$142.82	\$2.25	1.6
1300 -< 1400 kwh	297	3.8	85.7	4,770,867	3,537	1,349	\$153.03	\$153.28	\$0.25	0.2
1400 -< 1500 kwh	197	2.5	88.2	3,415,935	2,359	1,448	\$166.19	\$165.04	(\$1.15)	(0.7)
1500 -< 2000 kwh	586	7.6	95.8	11,837,449	6,972	1,698	\$199.15	\$191.88	(\$7.27)	(3.7)
2000 -< 2500 kwh	185	2.4	98.2	4,878,004	2,200	2,217	\$270.29	\$248.14	(\$22.15)	(8.2)
2500 -< 3000 kwh	57	0.7	98.9	1,847,061	675	2,737	\$346.16	\$304.62	(\$41.55)	(12.0)
3000 -< 3500 kwh	21	0.3	99.2	817,315	252	3,245	\$424.43	\$360.89	(\$63.55)	(15.0)
3500 -< 4000 kwh	18	0.2	99.4	794,101	215	3,687	\$482.47	\$413.02	(\$69.45)	(14.4)
4000 -< 5000 kwh	22	0.3	99.7	1,167,270	264	4,421	\$588.26	\$491.09	(\$97.16)	(16.5)
5000 -< 6000 kwh	11	0.1	99.9	707,276	132	5,358	\$723.99	\$595.66	(\$128.33)	(17.7)
6000 -< 7000 kwh	3	0.0	99.9	247,628	36	6,879	\$883.25	\$766.36	(\$116.88)	(13.2)
7000 -< 8000 kwh	4	0.1	99.9	357,125	48	7,440	\$1,028.29	\$820.10	(\$208.19)	(20.3)
9000 -< 10000 kwh	2	0.0	100.0	236,112	24	9,838	\$1,326.82	\$1,092.60	(\$234.23)	(17.7)
10000 - HIGH	3	0.0	100.0	423,663	36	11,768	\$1,683.68	\$1,307.63	(\$376.05)	(22.3)

A4-14

RATE DATA ANALYSIS DR5337 - RROIR update - E8: 2015 Proposed Rates vs. 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
E8 migrating to E1 in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using 2015 Proposed Rates	Avg Monthly Bill (\$) using 2016 Proposed Rates	Avg \$ change	Avg % change
0 -< 50 kwh	104	0.2	0.2	20,796	1,226	17	\$14.92	\$12.45	(\$2.47)	-16.54
50 -< 100 kwh	75	0.2	0.4	69,087	876	79	\$23.88	\$21.64	(\$2.23)	-9.35
100 -< 150 kwh	75	0.2	0.6	114,246	893	128	\$30.91	\$28.90	(\$2.01)	-6.49
150 -< 200 kwh	134	0.3	0.9	277,521	1,583	175	\$38.08	\$36.23	(\$1.85)	-4.87
200 -< 250 kwh	152	0.4	1.2	402,641	1,789	225	\$45.17	\$43.73	(\$1.43)	-3.17
250 -< 300 kwh	188	0.4	1.7	618,008	2,234	277	\$53.23	\$51.96	(\$1.27)	-2.39
300 -< 350 kwh	284	0.7	2.3	1,101,169	3,362	328	\$62.35	\$61.31	(\$1.04)	-1.67
350 -< 400 kwh	402	0.9	3.2	1,794,037	4,756	377	\$71.20	\$70.31	(\$0.89)	-1.26
400 -< 450 kwh	517	1.2	4.4	2,620,414	6,160	425	\$79.93	\$79.26	(\$0.67)	-0.83
450 -< 500 kwh	669	1.5	5.9	3,798,125	7,994	475	\$90.28	\$89.54	(\$0.74)	-0.82
500 -< 550 kwh	842	1.9	7.8	5,271,139	10,038	525	\$100.73	\$100.04	(\$0.69)	-0.68
550 -< 600 kwh	1,072	2.4	10.3	7,354,686	12,792	575	\$111.40	\$110.52	(\$0.88)	-0.79
600 -< 650 kwh	1,175	2.7	13.0	8,776,345	14,022	626	\$122.43	\$121.35	(\$1.08)	-0.88
650 -< 700 kwh	1,347	3.1	16.0	10,822,636	16,041	675	\$134.59	\$133.08	(\$1.51)	-1.12
700 -< 750 kwh	1,503	3.4	19.5	13,041,880	17,970	726	\$146.94	\$144.94	(\$2.01)	-1.37
750 -< 800 kwh	1,643	3.7	23.2	15,210,222	19,625	775	\$158.00	\$155.50	(\$2.50)	-1.58
800 -< 850 kwh	1,770	4.0	27.2	17,452,190	21,148	825	\$170.47	\$167.47	(\$3.00)	-1.76
850 -< 900 kwh	1,832	4.2	31.4	19,155,407	21,893	875	\$184.09	\$180.20	(\$3.89)	-2.11
900 -< 1000 kwh	3,730	8.5	39.9	42,366,728	44,592	950	\$202.51	\$197.76	(\$4.75)	-2.35
1000 -< 1100 kwh	3,782	8.6	48.5	47,438,070	45,178	1,050	\$227.77	\$221.81	(\$5.96)	-2.62
1100 -< 1200 kwh	3,469	7.9	56.4	47,615,654	41,434	1,149	\$254.32	\$246.94	(\$7.38)	-2.9
1200 -< 1300 kwh	2,989	6.8	63.2	44,569,181	35,698	1,249	\$277.39	\$269.15	(\$8.25)	-2.97
1300 -< 1400 kwh	2,647	6.0	69.2	42,651,111	31,617	1,349	\$304.85	\$295.05	(\$9.81)	-3.22
1400 -< 1500 kwh	2,231	5.1	74.3	38,651,593	26,682	1,449	\$331.07	\$319.97	(\$11.11)	-3.35
1500 -< 2000 kwh	6,548	14.9	89.2	133,775,584	78,238	1,710	\$403.96	\$388.47	(\$15.48)	-3.83
2000 -< 2500 kwh	2,354	5.4	94.6	62,250,175	28,131	2,213	\$554.00	\$527.54	(\$26.46)	-4.78
2500 -< 3000 kwh	1,008	2.3	96.9	32,709,792	12,046	2,715	\$706.25	\$668.54	(\$37.71)	-5.34
3000 -< 3500 kwh	499	1.1	98.0	19,218,485	5,951	3,229	\$873.09	\$821.13	(\$51.96)	-5.95
3500 -< 4000 kwh	280	0.6	98.7	12,439,310	3,331	3,734	\$1,029.91	\$964.98	(\$64.93)	-6.3
4000 -< 5000 kwh	297	0.7	99.3	15,668,054	3,539	4,427	\$1,252.30	\$1,169.17	(\$83.13)	-6.64
5000 -< 6000 kwh	122	0.3	99.6	7,943,140	1,449	5,481	\$1,581.24	\$1,470.88	(\$110.36)	-6.98
6000 -< 7000 kwh	63	0.1	99.8	4,776,762	738	6,473	\$1,888.30	\$1,752.64	(\$135.66)	-7.18
7000 -< 8000 kwh	35	0.1	99.8	3,073,422	411	7,477	\$2,224.52	\$2,058.80	(\$165.72)	-7.45
8000 -< 9000 kwh	12	0.0	99.9	1,225,658	144	8,502	\$2,460.70	\$2,297.16	(\$163.54)	-6.65
9000 -< 10000 kwh	10	0.0	99.9	1,078,200	115	9,414	\$2,819.62	\$2,606.18	(\$213.44)	-7.57
10000 - HIGH	51	0.1	100.0	10,216,045	592	17,256	\$5,256.73	\$4,850.02	(\$406.72)	-7.74

A4-15

RATE DATA ANALYSIS DR5337 - RROIR update - E8L: 2015 Proposed Rates vs. 2016 Proposed Rates (Assuming 2.1% increase in RRQ)  
E8 migrating to E1 in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$)	Avg Monthly Bill (\$)	Avg \$ change	Avg % change
							Proposed Rates	Proposed Rates		
0 -< 50 kwh	7	0.1	0.1	672	84	8	\$10.72	\$5.80	(\$4.92)	-45.86
50 -< 100 kwh	10	0.1	0.2	8,198	112	74	\$17.07	\$12.57	(\$4.51)	-26.4
100 -< 150 kwh	15	0.2	0.4	20,926	167	126	\$21.89	\$17.92	(\$3.97)	-18.13
150 -< 200 kwh	28	0.3	0.7	59,645	330	181	\$27.14	\$23.59	(\$3.55)	-13.08
200 -< 250 kwh	26	0.3	1.0	69,791	306	228	\$31.92	\$28.56	(\$3.36)	-10.54
250 -< 300 kwh	51	0.6	1.6	166,968	603	277	\$36.66	\$33.94	(\$2.73)	-7.44
300 -< 350 kwh	50	0.6	2.2	190,063	588	323	\$41.65	\$39.09	(\$2.57)	-6.16
350 -< 400 kwh	99	1.1	3.3	443,249	1,175	377	\$47.21	\$45.06	(\$2.16)	-4.57
400 -< 450 kwh	100	1.2	4.4	500,881	1,175	426	\$52.42	\$50.82	(\$1.60)	-3.05
450 -< 500 kwh	181	2.1	6.5	1,023,800	2,163	473	\$57.77	\$56.35	(\$1.42)	-2.46
500 -< 550 kwh	177	2.0	8.6	1,106,791	2,111	524	\$63.48	\$62.16	(\$1.31)	-2.07
550 -< 600 kwh	188	2.2	10.7	1,282,290	2,238	573	\$69.56	\$68.37	(\$1.20)	-1.72
600 -< 650 kwh	236	2.7	13.4	1,758,264	2,812	625	\$75.72	\$74.68	(\$1.04)	-1.38
650 -< 700 kwh	259	3.0	16.4	2,086,151	3,089	675	\$81.36	\$80.67	(\$0.68)	-0.84
700 -< 750 kwh	288	3.3	19.7	2,489,853	3,432	725	\$87.37	\$87.25	(\$0.12)	-0.14
750 -< 800 kwh	276	3.2	22.9	2,554,798	3,295	775	\$94.24	\$93.96	(\$0.27)	-0.29
800 -< 850 kwh	319	3.7	26.6	3,137,738	3,804	825	\$99.07	\$99.21	\$0.14	0.14
850 -< 900 kwh	358	4.1	30.7	3,751,114	4,285	875	\$105.61	\$106.14	\$0.53	0.51
900 -< 1000 kwh	691	8.0	38.6	7,825,393	8,243	949	\$115.14	\$116.00	\$0.86	0.75
1000 -< 1100 kwh	673	7.7	46.4	8,419,492	8,033	1,048	\$127.05	\$128.39	\$1.34	1.06
1100 -< 1200 kwh	629	7.2	53.6	8,646,974	7,516	1,151	\$139.94	\$141.95	\$2.01	1.43
1200 -< 1300 kwh	603	6.9	60.6	8,993,185	7,200	1,249	\$152.03	\$154.48	\$2.45	1.61
1300 -< 1400 kwh	547	6.3	66.9	8,826,594	6,538	1,350	\$165.51	\$168.55	\$3.04	1.84
1400 -< 1500 kwh	454	5.2	72.1	7,853,677	5,424	1,448	\$176.56	\$181.01	\$4.45	2.52
1500 -< 2000 kwh	1,374	15.8	87.9	28,087,148	16,419	1,711	\$213.68	\$218.78	\$5.10	2.39
2000 -< 2500 kwh	586	6.7	94.6	15,436,995	7,007	2,203	\$282.69	\$289.93	\$7.24	2.56
2500 -< 3000 kwh	221	2.5	97.2	7,166,986	2,635	2,720	\$354.51	\$364.36	\$9.85	2.78
3000 -< 3500 kwh	95	1.1	98.3	3,682,050	1,132	3,252	\$430.90	\$441.54	\$10.64	2.47
3500 -< 4000 kwh	49	0.6	98.8	2,184,756	588	3,715	\$498.92	\$509.43	\$10.51	2.11
4000 -< 5000 kwh	60	0.7	99.5	3,226,310	720	4,479	\$620.25	\$630.83	\$10.58	1.71
5000 -< 6000 kwh	15	0.2	99.7	998,386	180	5,549	\$775.03	\$786.53	\$11.50	1.48
6000 -< 7000 kwh	4	0.1	99.7	323,794	48	6,746	\$971.75	\$972.26	\$0.52	0.05
7000 -< 8000 kwh	3	0.0	99.8	271,622	36	7,545	\$1,096.93	\$1,118.32	\$21.39	1.95
8000 -< 9000 kwh	1	0.0	99.8	98,627	12	8,219	\$1,228.96	\$1,220.78	(\$8.19)	-0.67
9000 -< 10000 kwh	2	0.0	99.8	221,265	24	9,219	\$1,375.16	\$1,369.26	(\$5.90)	-0.43
10000 - HIGH	17	0.2	100.0	3,848,943	204	18,867	\$2,816.18	\$2,825.32	\$9.14	0.32

A4-16

RATE DATA ANALYSIS DR5337 - RROIR update - E1: 2016 Proposed Rates vs. 2017 Proposed Rates (Assuming 2.1% increase in RRQ)

Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative		Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$)	Avg Monthly Bill (\$)	Avg \$ change	Avg % change
			% of customers	Annual Usage (kwh)				2016 Proposed Rates	2017 Proposed Rates		
0 -< 50 kwh	70,310	2.5	2.5	16,949,825	818,026	21	\$13.00	\$13.51	\$0.51	3.94	
50 -< 100 kwh	80,498	2.9	5.4	71,515,368	933,395	77	\$21.24	\$22.57	\$1.33	6.26	
100 -< 150 kwh	114,247	4.1	9.4	167,461,693	1,327,858	126	\$28.56	\$30.61	\$2.05	7.17	
150 -< 200 kwh	143,996	5.1	14.5	294,688,390	1,677,105	176	\$35.96	\$38.71	\$2.75	7.66	
200 -< 250 kwh	167,374	6.0	20.5	440,745,958	1,955,037	225	\$43.62	\$47.03	\$3.40	7.8	
250 -< 300 kwh	182,650	6.5	27.0	588,965,116	2,139,468	275	\$51.87	\$55.79	\$3.92	7.56	
300 -< 350 kwh	190,657	6.8	33.7	727,888,182	2,239,352	325	\$60.71	\$65.01	\$4.30	7.08	
350 -< 400 kwh	192,920	6.9	40.6	851,325,631	2,270,639	375	\$70.19	\$74.72	\$4.53	6.46	
400 -< 450 kwh	187,914	6.7	47.3	941,224,139	2,215,607	425	\$80.11	\$84.76	\$4.65	5.8	
450 -< 500 kwh	178,654	6.4	53.6	1,001,721,957	2,110,156	475	\$90.44	\$95.10	\$4.65	5.15	
500 -< 550 kwh	164,672	5.9	59.5	1,022,020,417	1,947,958	525	\$101.11	\$105.67	\$4.56	4.51	
550 -< 600 kwh	150,099	5.3	64.8	1,020,894,472	1,776,979	575	\$112.05	\$116.42	\$4.37	3.9	
600 -< 650 kwh	134,900	4.8	69.6	997,727,093	1,597,897	624	\$123.36	\$127.42	\$4.07	3.3	
650 -< 700 kwh	119,157	4.2	73.8	952,680,181	1,412,557	674	\$134.97	\$138.64	\$3.67	2.72	
700 -< 750 kwh	104,949	3.7	77.6	901,633,593	1,244,756	724	\$146.84	\$150.02	\$3.18	2.17	
750 -< 800 kwh	91,095	3.2	80.8	837,061,751	1,080,953	774	\$159.08	\$161.67	\$2.59	1.63	
800 -< 850 kwh	79,093	2.8	83.6	773,608,600	938,429	824	\$171.40	\$173.36	\$1.96	1.14	
850 -< 900 kwh	67,880	2.4	86.0	704,491,569	805,697	874	\$183.82	\$185.12	\$1.30	0.71	
900 -< 1000 kwh	108,844	3.9	89.9	1,224,242,023	1,292,188	947	\$202.13	\$202.42	\$0.29	0.14	
1000 -< 1100 kwh	78,915	2.8	92.7	981,047,624	936,860	1,047	\$227.45	\$226.26	(\$1.19)	-0.52	
1100 -< 1200 kwh	55,373	2.0	94.6	754,144,359	657,512	1,147	\$252.93	\$250.22	(\$2.71)	-1.07	
1200 -< 1300 kwh	39,534	1.4	96.0	584,991,705	469,164	1,247	\$278.28	\$274.10	(\$4.19)	-1.5	
1300 -< 1400 kwh	27,516	1.0	97.0	439,860,852	326,595	1,347	\$304.27	\$298.42	(\$5.85)	-1.92	
1400 -< 1500 kwh	19,545	0.7	97.7	335,535,529	231,896	1,447	\$330.32	\$322.81	(\$7.51)	-2.27	
1500 -< 2000 kwh	41,606	1.5	99.2	833,686,663	493,143	1,691	\$395.30	\$383.27	(\$12.04)	-3.04	
2000 -< 2500 kwh	11,425	0.4	99.6	298,084,558	135,163	2,205	\$540.19	\$516.34	(\$23.84)	-4.41	
2500 -< 3000 kwh	4,344	0.2	99.8	139,599,929	51,336	2,719	\$690.51	\$653.15	(\$37.36)	-5.41	
3000 -< 3500 kwh	2,275	0.1	99.8	86,646,734	26,832	3,229	\$839.55	\$788.80	(\$50.75)	-6.05	
3500 -< 4000 kwh	1,409	0.1	99.9	61,631,011	16,544	3,725	\$981.35	\$918.49	(\$62.86)	-6.41	
4000 -< 5000 kwh	1,531	0.1	99.9	79,491,483	17,926	4,434	\$1,185.44	\$1,104.87	(\$80.56)	-6.8	
5000 -< 6000 kwh	743	0.0	100.0	47,200,435	8,681	5,437	\$1,477.26	\$1,370.62	(\$106.64)	-7.22	
6000 -< 7000 kwh	413	0.0	100.0	31,158,963	4,830	6,451	\$1,756.80	\$1,628.65	(\$128.16)	-7.29	
7000 -< 8000 kwh	218	0.0	100.0	18,886,316	2,536	7,447	\$2,046.34	\$1,892.39	(\$153.95)	-7.52	
8000 -< 9000 kwh	111	-	100.0	10,981,766	1,291	8,504	\$2,336.94	\$2,160.99	(\$175.94)	-7.53	
9000 -< 10000 kwh	87	-	100.0	9,700,362	1,024	9,472	\$2,627.40	\$2,423.34	(\$204.06)	-7.77	
10000 - HIGH	150	0.0	100.0	28,781,824	1,762	16,336	\$4,570.53	\$4,204.78	(\$365.75)	-8	

A4-17

RATE DATA ANALYSIS DR5337 - RROIR update - E1L: 2016 Proposed Rates vs. 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
 Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$)	Avg Monthly Bill (\$)	Avg \$ change	Avg % change
							2016 Proposed Rates	2017 Proposed Rates		
0 -< 50 kwh	4,873	0.4	0.4	1,410,318	56,465	25	\$7.55	\$7.88	\$0.33	4.43
50 -< 100 kwh	16,751	1.5	1.9	15,609,125	194,613	80	\$13.24	\$14.07	\$0.83	6.28
100 -< 150 kwh	41,465	3.6	5.5	61,649,436	483,112	128	\$18.13	\$19.39	\$1.26	6.94
150 -< 200 kwh	63,532	5.5	11.0	130,674,117	741,313	176	\$23.16	\$24.86	\$1.70	7.34
200 -< 250 kwh	78,323	6.8	17.7	206,266,975	914,645	226	\$28.34	\$30.49	\$2.16	7.61
250 -< 300 kwh	86,522	7.5	25.2	278,347,174	1,011,228	275	\$33.73	\$36.37	\$2.64	7.82
300 -< 350 kwh	87,452	7.6	32.8	332,429,980	1,023,072	325	\$39.29	\$42.43	\$3.14	8
350 -< 400 kwh	85,893	7.4	40.2	376,867,459	1,005,484	375	\$45.04	\$48.71	\$3.66	8.13
400 -< 450 kwh	81,873	7.1	47.3	407,514,649	959,447	425	\$50.94	\$55.12	\$4.18	8.2
450 -< 500 kwh	76,475	6.6	53.9	425,484,669	896,473	475	\$56.94	\$61.61	\$4.67	8.2
500 -< 550 kwh	70,780	6.1	60.0	435,722,102	830,611	525	\$63.06	\$68.20	\$5.13	8.14
550 -< 600 kwh	63,778	5.5	65.5	429,973,724	748,463	574	\$69.25	\$74.82	\$5.57	8.05
600 -< 650 kwh	56,807	4.9	70.4	416,323,687	666,693	624	\$75.55	\$81.52	\$5.98	7.91
650 -< 700 kwh	50,073	4.3	74.8	396,112,226	587,281	674	\$81.96	\$88.30	\$6.34	7.74
700 -< 750 kwh	43,345	3.8	78.5	368,584,504	508,861	724	\$88.42	\$95.09	\$6.67	7.54
750 -< 800 kwh	37,547	3.3	81.8	341,249,291	440,709	774	\$95.04	\$102.00	\$6.96	7.33
800 -< 850 kwh	32,359	2.8	84.6	313,125,251	379,874	824	\$101.59	\$108.84	\$7.25	7.14
850 -< 900 kwh	26,935	2.3	86.9	276,216,580	315,974	874	\$108.26	\$115.75	\$7.50	6.93
900 -< 1000 kwh	41,160	3.6	90.4	457,262,307	482,982	947	\$118.00	\$125.85	\$7.85	6.65
1000 -< 1100 kwh	28,296	2.5	92.9	347,537,878	331,897	1,047	\$131.42	\$139.75	\$8.33	6.34
1100 -< 1200 kwh	20,238	1.8	94.6	272,497,474	237,546	1,147	\$144.86	\$153.67	\$8.81	6.08
1200 -< 1300 kwh	14,803	1.3	95.9	216,805,284	173,777	1,248	\$158.61	\$167.85	\$9.24	5.82
1300 -< 1400 kwh	10,629	0.9	96.8	168,239,785	124,867	1,347	\$172.16	\$181.86	\$9.70	5.63
1400 -< 1500 kwh	7,725	0.7	97.5	131,299,400	90,699	1,448	\$186.32	\$196.36	\$10.05	5.39
1500 -< 2000 kwh	17,468	1.5	99.0	347,681,423	205,317	1,693	\$221.50	\$232.18	\$10.68	4.82
2000 -< 2500 kwh	5,022	0.4	99.5	130,308,828	58,936	2,211	\$298.71	\$309.81	\$11.10	3.72
2500 -< 3000 kwh	2,095	0.2	99.6	67,158,955	24,612	2,729	\$379.57	\$389.96	\$10.39	2.74
3000 -< 3500 kwh	1,313	0.1	99.8	49,804,142	15,411	3,232	\$458.21	\$467.83	\$9.62	2.1
3500 -< 4000 kwh	815	0.1	99.8	35,635,987	9,535	3,737	\$536.33	\$545.49	\$9.15	1.71
4000 -< 5000 kwh	1,016	0.1	99.9	52,695,081	11,870	4,440	\$642.87	\$651.83	\$8.96	1.39
5000 -< 6000 kwh	541	0.1	100.0	34,451,654	6,297	5,471	\$800.74	\$809.10	\$8.36	1.04
6000 -< 7000 kwh	255	0.0	100.0	19,107,362	2,968	6,438	\$943.69	\$952.84	\$9.15	0.97
7000 -< 8000 kwh	141	0.0	100.0	12,279,471	1,649	7,447	\$1,094.42	\$1,103.98	\$9.57	0.87
8000 -< 9000 kwh	73	0.0	100.0	7,193,131	857	8,396	\$1,238.88	\$1,248.06	\$9.19	0.74
9000 -< 10000 kwh	46	-	100.0	5,116,433	543	9,420	\$1,398.87	\$1,406.48	\$7.62	0.54
10000 - HIGH	53	-	100.0	7,376,075	621	11,885	\$1,764.42	\$1,773.81	\$9.39	0.53

A4-18

RATE DATA ANALYSIS DR5337 - RROIR update - E6: 2016 Proposed Rates vs. 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
E6 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative		Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$)	Avg Monthly Bill (\$)	Avg \$ change	Avg % change
			% of customers	Usage (kwh)				2016 Proposed Rates	2017 Proposed Rates		
0 -< 50 kwh	23	0.4	0.4	3,360	272	12	\$12.22	\$12.49	\$0.26	2.1	
50 -< 100 kwh	24	0.4	0.9	22,672	287	79	\$23.33	\$23.88	\$0.55	2.3	
100 -< 150 kwh	63	1.2	2.0	94,718	743	127	\$30.71	\$31.46	\$0.75	2.4	
150 -< 200 kwh	133	2.4	4.5	278,318	1,561	178	\$38.57	\$39.54	\$0.97	2.5	
200 -< 250 kwh	210	3.8	8.3	562,536	2,483	227	\$46.12	\$47.29	\$1.18	2.6	
250 -< 300 kwh	265	4.9	13.2	874,168	3,157	277	\$54.44	\$55.83	\$1.39	2.6	
300 -< 350 kwh	321	5.9	19.0	1,241,420	3,810	326	\$63.73	\$65.33	\$1.61	2.5	
350 -< 400 kwh	368	6.7	25.8	1,633,515	4,369	374	\$71.84	\$73.65	\$1.81	2.5	
400 -< 450 kwh	359	6.6	32.3	1,812,707	4,264	425	\$81.93	\$83.96	\$2.03	2.5	
450 -< 500 kwh	384	7.0	39.4	2,151,023	4,534	474	\$89.96	\$92.20	\$2.24	2.5	
500 -< 550 kwh	320	5.9	45.2	1,993,172	3,803	524	\$99.29	\$101.74	\$2.45	2.5	
550 -< 600 kwh	303	5.6	50.8	2,080,835	3,615	576	\$108.81	\$111.49	\$2.68	2.5	
600 -< 650 kwh	276	5.1	55.8	2,058,132	3,288	626	\$118.76	\$121.65	\$2.89	2.4	
650 -< 700 kwh	269	4.9	60.8	2,146,044	3,180	675	\$127.35	\$130.45	\$3.10	2.4	
700 -< 750 kwh	210	3.8	64.6	1,810,564	2,500	724	\$134.76	\$138.07	\$3.30	2.5	
750 -< 800 kwh	198	3.6	68.2	1,823,552	2,350	776	\$144.61	\$148.13	\$3.52	2.4	
800 -< 850 kwh	183	3.4	71.6	1,785,324	2,167	824	\$154.57	\$158.31	\$3.74	2.4	
850 -< 900 kwh	152	2.8	74.4	1,579,204	1,804	875	\$164.82	\$168.78	\$3.96	2.4	
900 -< 1000 kwh	268	4.9	79.3	2,991,160	3,160	946	\$176.52	\$180.75	\$4.24	2.4	
1000 -< 1100 kwh	207	3.8	83.1	2,564,528	2,449	1,047	\$196.06	\$200.75	\$4.70	2.4	
1100 -< 1200 kwh	147	2.7	85.7	2,010,241	1,750	1,148	\$213.77	\$218.88	\$5.10	2.4	
1200 -< 1300 kwh	134	2.5	88.2	1,964,795	1,575	1,248	\$231.53	\$237.06	\$5.52	2.4	
1300 -< 1400 kwh	100	1.8	90.0	1,600,420	1,192	1,342	\$249.35	\$255.31	\$5.96	2.4	
1400 -< 1500 kwh	84	1.5	91.6	1,452,430	1,003	1,448	\$270.18	\$276.56	\$6.38	2.4	
1500 -< 2000 kwh	199	3.6	95.2	4,041,881	2,353	1,718	\$318.29	\$325.85	\$7.56	2.4	
2000 -< 2500 kwh	94	1.7	96.9	2,477,806	1,116	2,221	\$407.54	\$417.27	\$9.73	2.4	
2500 -< 3000 kwh	49	0.9	97.8	1,594,902	582	2,740	\$501.88	\$513.83	\$11.95	2.4	
3000 -< 3500 kwh	27	0.5	98.3	1,040,399	324	3,210	\$586.49	\$600.46	\$13.96	2.4	
3500 -< 4000 kwh	19	0.4	98.7	843,462	223	3,779	\$689.59	\$706.01	\$16.41	2.4	
4000 -< 5000 kwh	23	0.4	99.1	1,189,795	269	4,427	\$801.25	\$820.45	\$19.20	2.4	
5000 -< 6000 kwh	10	0.2	99.3	642,986	117	5,486	\$990.96	\$1,014.70	\$23.74	2.4	
6000 -< 7000 kwh	22	0.4	99.7	1,637,248	253	6,467	\$1,178.95	\$1,206.90	\$27.95	2.4	
7000 -< 8000 kwh	4	0.1	99.7	346,684	48	7,223	\$1,297.27	\$1,328.46	\$31.19	2.4	
8000 -< 9000 kwh	5	0.1	99.8	492,463	59	8,399	\$1,505.78	\$1,542.01	\$36.23	2.4	
9000 -< 10000 kwh	1	0.0	99.9	112,761	12	9,370	\$1,705.10	\$1,745.49	\$40.38	2.4	
10000 - HIGH	8	0.2	100.0	1,434,190	92	15,527	\$2,808.75	\$2,875.55	\$66.80	2.4	

A4-19

RATE DATA ANALYSIS DR5337 - RROIR update - E6L: 2016 Proposed Rates vs. 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
E6 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using 2016 Proposed Rates	Avg Monthly Bill (\$) using 2017 Proposed Rates	Avg \$ change	Avg % change
50 -< 100 kwh	2	0.5	0.5	1,859	24	77	\$13.78	\$14.10	\$0.32	2.3
100 -< 150 kwh	5	1.3	1.9	6,487	58	113	\$17.58	\$18.00	\$0.42	2.4
150 -< 200 kwh	5	1.3	3.2	9,988	56	180	\$24.76	\$25.36	\$0.60	2.4
200 -< 250 kwh	17	4.5	7.7	45,721	204	224	\$30.51	\$31.24	\$0.73	2.4
250 -< 300 kwh	8	2.1	9.8	24,795	93	266	\$35.81	\$36.67	\$0.85	2.4
300 -< 350 kwh	12	3.2	12.9	44,297	138	321	\$42.19	\$43.19	\$1.00	2.4
350 -< 400 kwh	21	5.5	18.5	91,869	244	377	\$48.26	\$49.42	\$1.16	2.4
400 -< 450 kwh	13	3.4	21.9	64,656	152	426	\$55.27	\$56.57	\$1.30	2.4
450 -< 500 kwh	17	4.5	26.4	94,370	198	477	\$61.09	\$62.53	\$1.44	2.4
500 -< 550 kwh	11	2.9	29.3	66,471	128	517	\$64.62	\$66.17	\$1.55	2.4
550 -< 600 kwh	17	4.5	33.8	114,874	199	577	\$71.75	\$73.47	\$1.72	2.4
600 -< 650 kwh	13	3.4	37.2	96,785	156	620	\$76.14	\$77.98	\$1.84	2.4
650 -< 700 kwh	15	4.0	41.2	117,993	176	672	\$86.90	\$88.89	\$1.98	2.3
700 -< 750 kwh	20	5.3	46.4	169,863	237	717	\$91.08	\$93.19	\$2.11	2.3
750 -< 800 kwh	14	3.7	50.1	127,004	164	775	\$97.33	\$99.60	\$2.27	2.3
800 -< 850 kwh	13	3.4	53.6	125,094	152	820	\$104.57	\$106.96	\$2.39	2.3
850 -< 900 kwh	14	3.7	57.3	147,915	168	880	\$108.99	\$111.56	\$2.56	2.4
900 -< 1000 kwh	14	3.7	61.0	156,554	165	951	\$122.24	\$125.00	\$2.76	2.3
1000 -< 1100 kwh	15	4.0	64.9	188,967	179	1,056	\$129.36	\$132.41	\$3.05	2.4
1100 -< 1200 kwh	11	2.9	67.8	142,897	125	1,143	\$142.78	\$146.07	\$3.29	2.3
1200 -< 1300 kwh	8	2.1	69.9	114,962	92	1,250	\$131.58	\$134.74	\$3.17	2.4
1300 -< 1400 kwh	12	3.2	73.1	193,637	142	1,359	\$143.29	\$146.63	\$3.35	2.3
1400 -< 1500 kwh	3	0.8	73.9	49,686	34	1,461	\$172.63	\$176.81	\$4.18	2.4
1500 -< 2000 kwh	30	7.9	81.8	618,114	357	1,733	\$210.31	\$215.23	\$4.92	2.3
2000 -< 2500 kwh	16	4.2	86.0	410,574	185	2,215	\$265.94	\$272.22	\$6.28	2.4
2500 -< 3000 kwh	7	1.9	87.9	239,439	83	2,885	\$340.93	\$349.08	\$8.14	2.4
3000 -< 3500 kwh	12	3.2	91.0	462,688	143	3,241	\$386.48	\$395.61	\$9.14	2.4
3500 -< 4000 kwh	8	2.1	93.1	357,005	96	3,719	\$441.19	\$451.65	\$10.47	2.4
4000 -< 5000 kwh	8	2.1	95.3	401,377	94	4,270	\$505.60	\$517.60	\$12.00	2.4
5000 -< 6000 kwh	8	2.1	97.4	509,170	95	5,360	\$624.18	\$639.07	\$14.88	2.4
6000 -< 7000 kwh	7	1.9	99.2	535,079	84	6,370	\$749.98	\$767.83	\$17.85	2.4
7000 -< 8000 kwh	1	0.3	99.5	90,347	12	7,529	\$905.86	\$926.94	\$21.07	2.3
9000 -< 10000 kwh	1	0.3	99.7	109,270	12	9,106	\$1,055.70	\$1,081.17	\$25.47	2.4
10000 - HIGH	1	0.3	100.0	129,964	12	10,830	\$1,273.73	\$1,304.00	\$30.27	2.4

A4-20



RATE DATA ANALYSIS DR5337 - RROIR update - E7: 2016 Proposed Rates vs. 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
E7 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative		Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly	Avg Monthly	Avg \$ change	Avg % change
			% of customers	% of customers				Bill (\$) Proposed Rates	Bill (\$) Proposed Rates		
0 -< 50 kwh	138	0.2	0.2	32,969	1,633	20	\$13.25	\$13.54	\$0.29	2.2	
50 -< 100 kwh	237	0.4	0.7	221,564	2,786	80	\$23.35	\$23.88	\$0.53	2.3	
100 -< 150 kwh	410	0.7	1.4	615,211	4,863	127	\$31.15	\$31.88	\$0.73	2.3	
150 -< 200 kwh	628	1.1	2.5	1,316,958	7,453	177	\$39.04	\$39.98	\$0.93	2.4	
200 -< 250 kwh	882	1.5	4.0	2,352,173	10,459	225	\$46.69	\$47.82	\$1.13	2.4	
250 -< 300 kwh	1,213	2.1	6.1	3,957,879	14,336	276	\$55.36	\$56.69	\$1.33	2.4	
300 -< 350 kwh	1,490	2.6	8.7	5,770,270	17,706	326	\$63.68	\$65.21	\$1.53	2.4	
350 -< 400 kwh	1,834	3.2	11.8	8,161,615	21,748	375	\$72.25	\$73.96	\$1.72	2.4	
400 -< 450 kwh	2,219	3.8	15.7	11,201,349	26,305	426	\$80.80	\$82.72	\$1.91	2.4	
450 -< 500 kwh	2,543	4.4	20.1	14,348,471	30,183	475	\$89.65	\$91.75	\$2.10	2.4	
500 -< 550 kwh	2,717	4.7	24.8	16,915,336	32,160	526	\$98.48	\$100.78	\$2.30	2.3	
550 -< 600 kwh	2,826	4.9	29.7	19,291,205	33,543	575	\$107.06	\$109.55	\$2.49	2.3	
600 -< 650 kwh	2,930	5.1	34.7	21,717,269	34,735	625	\$115.96	\$118.65	\$2.68	2.3	
650 -< 700 kwh	2,959	5.1	39.9	23,650,701	35,037	675	\$124.62	\$127.50	\$2.88	2.3	
700 -< 750 kwh	2,926	5.1	44.9	25,128,157	34,666	725	\$133.25	\$136.33	\$3.08	2.3	
750 -< 800 kwh	2,866	5.0	49.9	26,318,676	33,956	775	\$141.93	\$145.22	\$3.28	2.3	
800 -< 850 kwh	2,854	4.9	54.8	27,906,650	33,821	825	\$150.42	\$153.90	\$3.48	2.3	
850 -< 900 kwh	2,674	4.6	59.5	27,714,464	31,692	874	\$159.28	\$162.96	\$3.68	2.3	
900 -< 1000 kwh	4,869	8.4	67.9	54,762,744	57,712	949	\$172.11	\$176.08	\$3.97	2.3	
1000 -< 1100 kwh	3,991	6.9	74.8	49,596,493	47,304	1,048	\$189.36	\$193.73	\$4.37	2.3	
1100 -< 1200 kwh	3,290	5.7	80.5	44,838,687	39,029	1,149	\$206.48	\$211.25	\$4.76	2.3	
1200 -< 1300 kwh	2,512	4.4	84.8	37,130,758	29,749	1,248	\$223.43	\$228.59	\$5.16	2.3	
1300 -< 1400 kwh	1,953	3.4	88.2	31,233,488	23,167	1,348	\$240.49	\$246.04	\$5.55	2.3	
1400 -< 1500 kwh	1,579	2.7	91.0	27,116,337	18,733	1,448	\$256.97	\$262.90	\$5.94	2.3	
1500 -< 2000 kwh	3,598	6.2	97.2	72,533,841	42,712	1,698	\$299.66	\$306.60	\$6.94	2.3	
2000 -< 2500 kwh	972	1.7	98.9	25,340,010	11,545	2,195	\$384.20	\$393.10	\$8.90	2.3	
2500 -< 3000 kwh	333	0.6	99.4	10,715,729	3,948	2,714	\$470.54	\$481.49	\$10.95	2.3	
3000 -< 3500 kwh	125	0.2	99.7	4,766,937	1,485	3,209	\$556.45	\$569.34	\$12.89	2.3	
3500 -< 4000 kwh	73	0.1	99.8	3,228,920	867	3,725	\$644.24	\$659.30	\$15.06	2.3	
4000 -< 5000 kwh	76	0.1	99.9	3,997,150	909	4,395	\$759.77	\$777.65	\$17.89	2.4	
5000 -< 6000 kwh	24	0.0	100.0	1,575,338	286	5,506	\$947.14	\$969.64	\$22.51	2.4	
6000 -< 7000 kwh	16	0.0	100.0	1,231,369	190	6,481	\$1,116.34	\$1,142.82	\$26.48	2.4	
7000 -< 8000 kwh	4	0.0	100.0	355,805	47	7,496	\$1,303.56	\$1,334.26	\$30.70	2.4	
8000 -< 9000 kwh	6	0.0	100.0	616,928	72	8,553	\$1,457.59	\$1,492.04	\$34.45	2.4	
9000 -< 10000 kwh	1	-	100.0	108,880	12	9,175	\$1,550.45	\$1,588.95	\$38.50	2.5	
10000 - HIGH	3	0.0	100.0	497,778	36	13,827	\$2,379.31	\$2,433.49	\$54.17	2.3	

A4-21

RATE DATA ANALYSIS DR5337 - RROIR update - E7L: 2016 Proposed Rates vs. 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
E7 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Proposed Rates 2016	Avg Monthly Bill (\$) using Proposed Rates 2017	Avg \$ change	Avg % change
0 -< 50 kwh	11	0.1	0.1	3,299	132	25	\$7.69	\$7.86	\$0.17	2.2
50 -< 100 kwh	24	0.3	0.5	21,597	279	77	\$13.62	\$13.92	\$0.31	2.3
100 -< 150 kwh	46	0.6	1.0	64,417	519	124	\$18.66	\$19.09	\$0.43	2.3
150 -< 200 kwh	89	1.2	2.2	186,294	1,039	179	\$24.50	\$25.06	\$0.57	2.3
200 -< 250 kwh	128	1.7	3.8	343,000	1,523	225	\$29.51	\$30.20	\$0.69	2.3
250 -< 300 kwh	186	2.4	6.2	608,544	2,203	276	\$35.20	\$36.02	\$0.81	2.3
300 -< 350 kwh	263	3.4	9.6	1,009,532	3,109	325	\$40.55	\$41.48	\$0.94	2.3
350 -< 400 kwh	274	3.5	13.2	1,219,415	3,247	376	\$46.42	\$47.48	\$1.06	2.3
400 -< 450 kwh	305	3.9	17.1	1,540,240	3,616	426	\$52.03	\$53.22	\$1.19	2.3
450 -< 500 kwh	354	4.6	21.7	1,994,656	4,191	476	\$57.78	\$59.10	\$1.33	2.3
500 -< 550 kwh	393	5.1	26.7	2,453,147	4,660	526	\$63.28	\$64.73	\$1.45	2.3
550 -< 600 kwh	378	4.9	31.6	2,568,242	4,460	576	\$69.03	\$70.61	\$1.58	2.3
600 -< 650 kwh	394	5.1	36.7	2,916,190	4,663	625	\$74.14	\$75.84	\$1.70	2.3
650 -< 700 kwh	369	4.8	41.4	2,966,408	4,391	675	\$80.15	\$81.98	\$1.83	2.3
700 -< 750 kwh	357	4.6	46.0	3,078,872	4,249	725	\$85.18	\$87.13	\$1.95	2.3
750 -< 800 kwh	372	4.8	50.8	3,432,571	4,428	775	\$90.86	\$92.94	\$2.09	2.3
800 -< 850 kwh	341	4.4	55.2	3,350,906	4,063	825	\$96.46	\$98.67	\$2.21	2.3
850 -< 900 kwh	325	4.2	59.4	3,368,125	3,850	875	\$102.21	\$104.55	\$2.34	2.3
900 -< 1000 kwh	590	7.6	67.0	6,631,805	6,985	949	\$110.62	\$113.16	\$2.53	2.3
1000 -< 1100 kwh	442	5.7	72.7	5,513,984	5,269	1,046	\$120.78	\$123.55	\$2.77	2.3
1100 -< 1200 kwh	380	4.9	77.6	5,195,474	4,519	1,150	\$132.37	\$135.41	\$3.04	2.3
1200 -< 1300 kwh	330	4.3	81.9	4,905,096	3,932	1,247	\$142.82	\$146.12	\$3.29	2.3
1300 -< 1400 kwh	297	3.8	85.7	4,770,867	3,537	1,349	\$153.28	\$156.82	\$3.54	2.3
1400 -< 1500 kwh	197	2.5	88.2	3,415,935	2,359	1,448	\$165.04	\$168.84	\$3.80	2.3
1500 -< 2000 kwh	586	7.6	95.8	11,837,449	6,972	1,698	\$191.88	\$196.33	\$4.45	2.3
2000 -< 2500 kwh	185	2.4	98.2	4,878,004	2,200	2,217	\$248.14	\$253.93	\$5.78	2.3
2500 -< 3000 kwh	57	0.7	98.9	1,847,061	675	2,737	\$304.62	\$311.77	\$7.15	2.4
3000 -< 3500 kwh	21	0.3	99.2	817,315	252	3,245	\$360.89	\$369.43	\$8.54	2.4
3500 -< 4000 kwh	18	0.2	99.4	794,101	215	3,687	\$413.02	\$422.81	\$9.79	2.4
4000 -< 5000 kwh	22	0.3	99.7	1,167,270	264	4,421	\$491.09	\$502.72	\$11.63	2.4
5000 -< 6000 kwh	11	0.1	99.9	707,276	132	5,358	\$595.66	\$609.88	\$14.22	2.4
6000 -< 7000 kwh	3	0.0	99.9	247,628	36	6,879	\$766.36	\$784.73	\$18.36	2.4
7000 -< 8000 kwh	4	0.1	99.9	357,125	48	7,440	\$820.10	\$839.60	\$19.51	2.4
9000 -< 10000 kwh	2	0.0	100.0	236,112	24	9,838	\$1,092.60	\$1,119.07	\$26.47	2.4
10000 - HIGH	3	0.0	100.0	423,663	36	11,768	\$1,307.63	\$1,338.25	\$30.62	2.3

A4-22

RATE DATA ANALYSIS DR5337 - RROIR update - E8: 2016 Proposed Rates vs. 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
E8 migrating to E1 in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$)	Avg Monthly Bill (\$)	Avg \$ change	Avg % change
							Proposed Rates	Proposed Rates		
0 -< 50 kwh	104	0.2	0.2	20,796	1,226	17	\$12.45	\$12.91	\$0.46	3.67
50 -< 100 kwh	75	0.2	0.4	69,087	876	79	\$21.64	\$22.99	\$1.34	6.21
100 -< 150 kwh	75	0.2	0.6	114,246	893	128	\$28.90	\$30.96	\$2.06	7.13
150 -< 200 kwh	134	0.3	0.9	277,521	1,583	175	\$36.23	\$38.89	\$2.67	7.37
200 -< 250 kwh	152	0.4	1.2	402,641	1,789	225	\$43.73	\$47.09	\$3.35	7.67
250 -< 300 kwh	188	0.4	1.7	618,008	2,234	277	\$51.96	\$55.92	\$3.96	7.63
300 -< 350 kwh	284	0.7	2.3	1,101,169	3,362	328	\$61.31	\$65.57	\$4.26	6.95
350 -< 400 kwh	402	0.9	3.2	1,794,037	4,756	377	\$70.31	\$74.91	\$4.61	6.55
400 -< 450 kwh	517	1.2	4.4	2,620,414	6,160	425	\$79.26	\$84.13	\$4.87	6.14
450 -< 500 kwh	669	1.5	5.9	3,798,125	7,994	475	\$89.54	\$94.42	\$4.88	5.45
500 -< 550 kwh	842	1.9	7.8	5,271,139	10,038	525	\$100.04	\$104.87	\$4.83	4.83
550 -< 600 kwh	1,072	2.4	10.3	7,354,686	12,792	575	\$110.52	\$115.28	\$4.76	4.31
600 -< 650 kwh	1,175	2.7	13.0	8,776,345	14,022	626	\$121.35	\$125.99	\$4.64	3.82
650 -< 700 kwh	1,347	3.1	16.0	10,822,636	16,041	675	\$133.08	\$137.23	\$4.15	3.12
700 -< 750 kwh	1,503	3.4	19.5	13,041,880	17,970	726	\$144.94	\$148.67	\$3.73	2.58
750 -< 800 kwh	1,643	3.7	23.2	15,210,222	19,625	775	\$155.50	\$159.07	\$3.56	2.29
800 -< 850 kwh	1,770	4.0	27.2	17,452,190	21,148	825	\$167.47	\$170.53	\$3.05	1.82
850 -< 900 kwh	1,832	4.2	31.4	19,155,407	21,893	875	\$180.20	\$182.51	\$2.31	1.28
900 -< 1000 kwh	3,730	8.5	39.9	42,366,728	44,592	950	\$197.76	\$199.39	\$1.63	0.82
1000 -< 1100 kwh	3,782	8.6	48.5	47,438,070	45,178	1,050	\$221.81	\$222.36	\$0.55	0.25
1100 -< 1200 kwh	3,469	7.9	56.4	47,615,654	41,434	1,149	\$246.94	\$246.06	(\$0.88)	-0.36
1200 -< 1300 kwh	2,989	6.8	63.2	44,569,181	35,698	1,249	\$269.15	\$267.68	(\$1.47)	-0.55
1300 -< 1400 kwh	2,647	6.0	69.2	42,651,111	31,617	1,349	\$295.05	\$292.00	(\$3.05)	-1.03
1400 -< 1500 kwh	2,231	5.1	74.3	38,651,593	26,682	1,449	\$319.97	\$315.57	(\$4.39)	-1.37
1500 -< 2000 kwh	6,548	14.9	89.2	133,775,584	78,238	1,710	\$388.47	\$379.60	(\$8.87)	-2.28
2000 -< 2500 kwh	2,354	5.4	94.6	62,250,175	28,131	2,213	\$527.54	\$507.88	(\$19.66)	-3.73
2500 -< 3000 kwh	1,008	2.3	96.9	32,709,792	12,046	2,715	\$668.54	\$637.45	(\$31.09)	-4.65
3000 -< 3500 kwh	499	1.1	98.0	19,218,485	5,951	3,229	\$821.13	\$775.87	(\$45.26)	-5.51
3500 -< 4000 kwh	280	0.6	98.7	12,439,310	3,331	3,734	\$964.98	\$907.45	(\$57.53)	-5.96
4000 -< 5000 kwh	297	0.7	99.3	15,668,054	3,539	4,427	\$1,169.17	\$1,093.05	(\$76.12)	-6.51
5000 -< 6000 kwh	122	0.3	99.6	7,943,140	1,449	5,481	\$1,470.88	\$1,369.00	(\$101.87)	-6.93
6000 -< 7000 kwh	63	0.1	99.8	4,776,762	738	6,473	\$1,752.64	\$1,627.05	(\$125.59)	-7.17
7000 -< 8000 kwh	35	0.1	99.8	3,073,422	411	7,477	\$2,058.80	\$1,902.76	(\$156.04)	-7.58
8000 -< 9000 kwh	12	0.0	99.9	1,225,658	144	8,502	\$2,297.16	\$2,133.50	(\$163.66)	-7.12
9000 -< 10000 kwh	10	0.0	99.9	1,078,200	115	9,414	\$2,606.18	\$2,404.74	(\$201.43)	-7.73
10000 - HIGH	51	0.1	100.0	10,216,045	592	17,256	\$4,850.02	\$4,456.50	(\$393.52)	-8.11

A4-23

RATE DATA ANALYSIS DR5337 - RROIR update - E8L: 2016 Proposed Rates vs. 2017 Proposed Rates (Assuming 2.1% increase in RRQ)  
E8 migrating to E1 in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using 2016 Proposed Rates	Avg Monthly Bill (\$) using 2017 Proposed Rates	Avg \$ change	Avg % change
0 -< 50 kwh	7	0.1	0.1	672	84	8	\$5.80	\$5.99	\$0.18	3.13
50 -< 100 kwh	10	0.1	0.2	8,198	112	74	\$12.57	\$13.34	\$0.77	6.16
100 -< 150 kwh	15	0.2	0.4	20,926	167	126	\$17.92	\$19.16	\$1.24	6.93
150 -< 200 kwh	28	0.3	0.7	59,645	330	181	\$23.59	\$25.33	\$1.74	7.36
200 -< 250 kwh	26	0.3	1.0	69,791	306	228	\$28.56	\$30.73	\$2.17	7.61
250 -< 300 kwh	51	0.6	1.6	166,968	603	277	\$33.94	\$36.59	\$2.65	7.81
300 -< 350 kwh	50	0.6	2.2	190,063	588	323	\$39.09	\$42.19	\$3.10	7.94
350 -< 400 kwh	99	1.1	3.3	443,249	1,175	377	\$45.06	\$48.71	\$3.65	8.1
400 -< 450 kwh	100	1.2	4.4	500,881	1,175	426	\$50.82	\$54.98	\$4.15	8.17
450 -< 500 kwh	181	2.1	6.5	1,023,800	2,163	473	\$56.35	\$60.97	\$4.62	8.2
500 -< 550 kwh	177	2.0	8.6	1,106,791	2,111	524	\$62.16	\$67.25	\$5.09	8.18
550 -< 600 kwh	188	2.2	10.7	1,282,290	2,238	573	\$68.37	\$73.88	\$5.51	8.06
600 -< 650 kwh	236	2.7	13.4	1,758,264	2,812	625	\$74.68	\$80.61	\$5.93	7.94
650 -< 700 kwh	259	3.0	16.4	2,086,151	3,089	675	\$80.67	\$87.09	\$6.42	7.95
700 -< 750 kwh	288	3.3	19.7	2,489,853	3,432	725	\$87.25	\$93.97	\$6.73	7.71
750 -< 800 kwh	276	3.2	22.9	2,554,798	3,295	775	\$93.96	\$101.01	\$7.05	7.5
800 -< 850 kwh	319	3.7	26.6	3,137,738	3,804	825	\$99.21	\$106.63	\$7.41	7.47
850 -< 900 kwh	358	4.1	30.7	3,751,114	4,285	875	\$106.14	\$113.85	\$7.71	7.26
900 -< 1000 kwh	691	8.0	38.6	7,825,393	8,243	949	\$116.00	\$124.12	\$8.12	7
1000 -< 1100 kwh	673	7.7	46.4	8,419,492	8,033	1,048	\$128.39	\$137.21	\$8.82	6.87
1100 -< 1200 kwh	629	7.2	53.6	8,646,974	7,516	1,151	\$141.95	\$151.40	\$9.45	6.66
1200 -< 1300 kwh	603	6.9	60.6	8,993,185	7,200	1,249	\$154.48	\$164.63	\$10.15	6.57
1300 -< 1400 kwh	547	6.3	66.9	8,826,594	6,538	1,350	\$168.55	\$179.16	\$10.61	6.29
1400 -< 1500 kwh	454	5.2	72.1	7,853,677	5,424	1,448	\$181.01	\$192.34	\$11.33	6.26
1500 -< 2000 kwh	1,374	15.8	87.9	28,087,148	16,419	1,711	\$218.78	\$230.83	\$12.05	5.51
2000 -< 2500 kwh	586	6.7	94.6	15,436,995	7,007	2,203	\$289.93	\$303.09	\$13.16	4.54
2500 -< 3000 kwh	221	2.5	97.2	7,166,986	2,635	2,720	\$364.36	\$378.55	\$14.18	3.89
3000 -< 3500 kwh	95	1.1	98.3	3,682,050	1,132	3,252	\$441.54	\$456.51	\$14.97	3.39
3500 -< 4000 kwh	49	0.6	98.8	2,184,756	588	3,715	\$509.43	\$524.91	\$15.48	3.04
4000 -< 5000 kwh	60	0.7	99.5	3,226,310	720	4,479	\$630.83	\$644.78	\$13.95	2.21
5000 -< 6000 kwh	15	0.2	99.7	998,386	180	5,549	\$786.53	\$802.12	\$15.59	1.98
6000 -< 7000 kwh	4	0.1	99.7	323,794	48	6,746	\$972.26	\$986.46	\$14.19	1.46
7000 -< 8000 kwh	3	0.0	99.8	271,622	36	7,545	\$1,118.32	\$1,125.33	\$7.01	0.63
8000 -< 9000 kwh	1	0.0	99.8	98,627	12	8,219	\$1,220.78	\$1,227.55	\$6.78	0.56
9000 -< 10000 kwh	2	0.0	99.8	221,265	24	9,219	\$1,369.26	\$1,376.71	\$7.45	0.54
10000 - HIGH	17	0.2	100.0	3,848,943	204	18,867	\$2,825.32	\$2,832.48	\$7.16	0.25

A4-24

RATE DATA ANALYSIS DR5337 - RROIR update - E1: 2017 Proposed Rates vs. 2018 Proposed Rates (Assuming 2.1% increase in RRQ)  
 Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Proposed Rates 2017	Avg Monthly Bill (\$) using Proposed Rates 2018	Avg \$ change	Avg % change
0 -< 50 kwh	70,310	2.5	2.5	16,949,825	818,026	21	\$13.51	\$14.11	\$0.59	4.39
50 -< 100 kwh	80,498	2.9	5.4	71,515,368	933,395	77	\$22.57	\$24.19	\$1.62	7.17
100 -< 150 kwh	114,247	4.1	9.4	167,461,693	1,327,858	126	\$30.61	\$33.13	\$2.52	8.23
150 -< 200 kwh	143,996	5.1	14.5	294,688,390	1,677,105	176	\$38.71	\$42.12	\$3.41	8.8
200 -< 250 kwh	167,374	6.0	20.5	440,745,958	1,955,037	225	\$47.03	\$51.27	\$4.25	9.03
250 -< 300 kwh	182,650	6.5	27.0	588,965,116	2,139,468	275	\$55.79	\$60.76	\$4.97	8.9
300 -< 350 kwh	190,657	6.8	33.7	727,888,182	2,239,352	325	\$65.01	\$70.56	\$5.55	8.54
350 -< 400 kwh	192,920	6.9	40.6	851,325,631	2,270,639	375	\$74.72	\$80.71	\$5.99	8.02
400 -< 450 kwh	187,914	6.7	47.3	941,224,139	2,215,607	425	\$84.76	\$91.06	\$6.29	7.42
450 -< 500 kwh	178,654	6.4	53.6	1,001,721,957	2,110,156	475	\$95.10	\$101.50	\$6.40	6.73
500 -< 550 kwh	164,672	5.9	59.5	1,022,020,417	1,947,958	525	\$105.67	\$111.99	\$6.32	5.98
550 -< 600 kwh	150,099	5.3	64.8	1,020,894,472	1,776,979	575	\$116.42	\$122.47	\$6.05	5.2
600 -< 650 kwh	134,900	4.8	69.6	997,727,093	1,597,897	624	\$127.42	\$132.99	\$5.56	4.37
650 -< 700 kwh	119,157	4.2	73.8	952,680,181	1,412,557	674	\$138.64	\$143.51	\$4.87	3.52
700 -< 750 kwh	104,949	3.7	77.6	901,633,593	1,244,756	724	\$150.02	\$154.00	\$3.98	2.65
750 -< 800 kwh	91,095	3.2	80.8	837,061,751	1,080,953	774	\$161.67	\$164.55	\$2.88	1.78
800 -< 850 kwh	79,093	2.8	83.6	773,608,600	938,429	824	\$173.36	\$175.08	\$1.72	0.99
850 -< 900 kwh	67,880	2.4	86.0	704,491,569	805,697	874	\$185.12	\$185.62	\$0.50	0.27
900 -< 1000 kwh	108,844	3.9	89.9	1,224,242,023	1,292,188	947	\$202.42	\$201.03	(\$1.39)	-0.69
1000 -< 1100 kwh	78,915	2.8	92.7	981,047,624	936,860	1,047	\$226.26	\$222.11	(\$4.16)	-1.84
1100 -< 1200 kwh	55,373	2.0	94.6	754,144,359	657,512	1,147	\$250.22	\$243.23	(\$6.99)	-2.79
1200 -< 1300 kwh	39,534	1.4	96.0	584,991,705	469,164	1,247	\$274.10	\$264.34	(\$9.76)	-3.56
1300 -< 1400 kwh	27,516	1.0	97.0	439,860,852	326,595	1,347	\$298.42	\$285.60	(\$12.82)	-4.3
1400 -< 1500 kwh	19,545	0.7	97.7	335,535,529	231,896	1,447	\$322.81	\$306.92	(\$15.89)	-4.92
1500 -< 2000 kwh	41,606	1.5	99.2	833,686,663	493,143	1,691	\$383.27	\$359.04	(\$24.22)	-6.32
2000 -< 2500 kwh	11,425	0.4	99.6	298,084,558	135,163	2,205	\$516.34	\$470.48	(\$45.86)	-8.88
2500 -< 3000 kwh	4,344	0.2	99.8	139,599,929	51,336	2,719	\$653.15	\$582.45	(\$70.70)	-10.82
3000 -< 3500 kwh	2,275	0.1	99.8	86,646,734	26,832	3,229	\$788.80	\$693.48	(\$95.32)	-12.08
3500 -< 4000 kwh	1,409	0.1	99.9	61,631,011	16,544	3,725	\$918.49	\$800.81	(\$117.68)	-12.81
4000 -< 5000 kwh	1,531	0.1	99.9	79,491,483	17,926	4,434	\$1,104.87	\$954.51	(\$150.37)	-13.61
5000 -< 6000 kwh	743	0.0	100.0	47,200,435	8,681	5,437	\$1,370.62	\$1,171.91	(\$198.71)	-14.5
6000 -< 7000 kwh	413	0.0	100.0	31,158,963	4,830	6,451	\$1,628.65	\$1,390.50	(\$238.14)	-14.62
7000 -< 8000 kwh	218	0.0	100.0	18,886,316	2,536	7,447	\$1,892.39	\$1,606.50	(\$285.89)	-15.11
8000 -< 9000 kwh	111	-	100.0	10,981,766	1,291	8,504	\$2,160.99	\$1,835.30	(\$325.70)	-15.07
9000 -< 10000 kwh	87	-	100.0	9,700,362	1,024	9,472	\$2,423.34	\$2,044.58	(\$378.76)	-15.63
10000 - HIGH	150	0.0	100.0	28,781,824	1,762	16,336	\$4,204.78	\$3,527.30	(\$677.48)	-16.11

A4-25

RATE DATA ANALYSIS DR5337 - RROIR update - E1L: 2017 Proposed Rates vs. 2018 Proposed Rates (Assuming 2.1% increase in RRQ)

Data: JAN 2011 - Dec 2011

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Proposed Rates 2017	Avg Monthly Bill (\$) using Proposed Rates 2018	Avg \$ change	Avg % change
0 -< 50 kwh	4,873	0.4	0.4	1,410,318	56,465	25	\$7.88	\$8.27	\$0.39	4.92
50 -< 100 kwh	16,751	1.5	1.9	15,609,125	194,613	80	\$14.07	\$15.09	\$1.02	7.24
100 -< 150 kwh	41,465	3.6	5.5	61,649,436	483,112	128	\$19.39	\$20.95	\$1.56	8.05
150 -< 200 kwh	63,532	5.5	11.0	130,674,117	741,313	176	\$24.86	\$26.98	\$2.12	8.51
200 -< 250 kwh	78,323	6.8	17.7	206,266,975	914,645	226	\$30.49	\$33.17	\$2.68	8.79
250 -< 300 kwh	86,522	7.5	25.2	278,347,174	1,011,228	275	\$36.37	\$39.62	\$3.25	8.95
300 -< 350 kwh	87,452	7.6	32.8	332,429,980	1,023,072	325	\$42.43	\$46.26	\$3.83	9.02
350 -< 400 kwh	85,893	7.4	40.2	376,867,459	1,005,484	375	\$48.71	\$53.11	\$4.40	9.04
400 -< 450 kwh	81,873	7.1	47.3	407,514,649	959,447	425	\$55.12	\$60.08	\$4.96	8.99
450 -< 500 kwh	76,475	6.6	53.9	425,484,669	896,473	475	\$61.61	\$67.09	\$5.47	8.88
500 -< 550 kwh	70,780	6.1	60.0	435,722,102	830,611	525	\$68.20	\$74.15	\$5.95	8.73
550 -< 600 kwh	63,778	5.5	65.5	429,973,724	748,463	574	\$74.82	\$81.22	\$6.40	8.55
600 -< 650 kwh	56,807	4.9	70.4	416,323,687	666,693	624	\$81.52	\$88.32	\$6.79	8.33
650 -< 700 kwh	50,073	4.3	74.8	396,112,226	587,281	674	\$88.30	\$95.45	\$7.15	8.09
700 -< 750 kwh	43,345	3.8	78.5	368,584,504	508,861	724	\$95.09	\$102.54	\$7.45	7.84
750 -< 800 kwh	37,547	3.3	81.8	341,249,291	440,709	774	\$102.00	\$109.71	\$7.71	7.56
800 -< 850 kwh	32,359	2.8	84.6	313,125,251	379,874	824	\$108.84	\$116.80	\$7.96	7.32
850 -< 900 kwh	26,935	2.3	86.9	276,216,580	315,974	874	\$115.75	\$123.92	\$8.17	7.06
900 -< 1000 kwh	41,160	3.6	90.4	457,262,307	482,982	947	\$125.85	\$134.31	\$8.45	6.72
1000 -< 1100 kwh	28,296	2.5	92.9	347,537,878	331,897	1,047	\$139.75	\$148.60	\$8.84	6.33
1100 -< 1200 kwh	20,238	1.8	94.6	272,497,474	237,546	1,147	\$153.67	\$162.90	\$9.23	6
1200 -< 1300 kwh	14,803	1.3	95.9	216,805,284	173,777	1,248	\$167.85	\$177.38	\$9.53	5.68
1300 -< 1400 kwh	10,629	0.9	96.8	168,239,785	124,867	1,347	\$181.86	\$191.74	\$9.88	5.43
1400 -< 1500 kwh	7,725	0.7	97.5	131,299,400	90,699	1,448	\$196.36	\$206.42	\$10.06	5.12
1500 -< 2000 kwh	17,468	1.5	99.0	347,681,423	205,317	1,693	\$232.18	\$242.40	\$10.22	4.4
2000 -< 2500 kwh	5,022	0.4	99.5	130,308,828	58,936	2,211	\$309.81	\$319.13	\$9.32	3.01
2500 -< 3000 kwh	2,095	0.2	99.6	67,158,955	24,612	2,729	\$389.96	\$396.87	\$6.92	1.77
3000 -< 3500 kwh	1,313	0.1	99.8	49,804,142	15,411	3,232	\$467.83	\$472.32	\$4.49	0.96
3500 -< 4000 kwh	815	0.1	99.8	35,635,987	9,535	3,737	\$545.49	\$547.94	\$2.45	0.45
4000 -< 5000 kwh	1,016	0.1	99.9	52,695,081	11,870	4,440	\$651.83	\$652.12	\$0.29	0.04
5000 -< 6000 kwh	541	0.1	100.0	34,451,654	6,297	5,471	\$809.10	\$805.74	(\$3.35)	-0.41
6000 -< 7000 kwh	255	0.0	100.0	19,107,362	2,968	6,438	\$952.84	\$947.96	(\$4.88)	-0.51
7000 -< 8000 kwh	141	0.0	100.0	12,279,471	1,649	7,447	\$1,103.98	\$1,096.95	(\$7.04)	-0.64
8000 -< 9000 kwh	73	0.0	100.0	7,193,131	857	8,396	\$1,248.06	\$1,237.93	(\$10.14)	-0.81
9000 -< 10000 kwh	46	-	100.0	5,116,433	543	9,420	\$1,406.48	\$1,391.40	(\$15.08)	-1.07
10000 - HIGH	53	-	100.0	7,376,075	621	11,885	\$1,773.81	\$1,754.49	(\$19.32)	-1.09

A4-26

RATE DATA ANALYSIS DR5337 - RROIR update - E6: 2017 Proposed Rates vs. 2018 Proposed Rates (Assuming 2.1% increase in RRQ)  
E6 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative		Number of Months	Avg kWh for the range	Avg Monthly Bill (\$)	Avg Monthly Bill (\$)	Avg \$ change	Avg % change
			% of customers	Annual Usage (kwh)			2017 Proposed Rates	2018 Proposed Rates		
0 -< 50 kwh	23	0.4	0.4	3,360	272	12	\$12.49	\$12.75	\$0.26	2.1
50 -< 100 kwh	24	0.4	0.9	22,672	287	79	\$23.88	\$24.42	\$0.54	2.3
100 -< 150 kwh	63	1.2	2.0	94,718	743	127	\$31.46	\$32.20	\$0.74	2.4
150 -< 200 kwh	133	2.4	4.5	278,318	1,561	178	\$39.54	\$40.51	\$0.96	2.4
200 -< 250 kwh	210	3.8	8.3	562,536	2,483	227	\$47.29	\$48.45	\$1.16	2.5
250 -< 300 kwh	265	4.9	13.2	874,168	3,157	277	\$55.83	\$57.20	\$1.37	2.5
300 -< 350 kwh	321	5.9	19.0	1,241,420	3,810	326	\$65.33	\$66.91	\$1.58	2.4
350 -< 400 kwh	368	6.7	25.8	1,633,515	4,369	374	\$73.65	\$75.43	\$1.78	2.4
400 -< 450 kwh	359	6.6	32.3	1,812,707	4,264	425	\$83.96	\$85.95	\$2.00	2.4
450 -< 500 kwh	384	7.0	39.4	2,151,023	4,534	474	\$92.20	\$94.40	\$2.20	2.4
500 -< 550 kwh	320	5.9	45.2	1,993,172	3,803	524	\$101.74	\$104.15	\$2.41	2.4
550 -< 600 kwh	303	5.6	50.8	2,080,835	3,615	576	\$111.49	\$114.12	\$2.63	2.4
600 -< 650 kwh	276	5.1	55.8	2,058,132	3,288	626	\$121.65	\$124.49	\$2.84	2.3
650 -< 700 kwh	269	4.9	60.8	2,146,044	3,180	675	\$130.45	\$133.49	\$3.04	2.3
700 -< 750 kwh	210	3.8	64.6	1,810,564	2,500	724	\$138.07	\$141.31	\$3.24	2.4
750 -< 800 kwh	198	3.6	68.2	1,823,552	2,350	776	\$148.13	\$151.59	\$3.46	2.3
800 -< 850 kwh	183	3.4	71.6	1,785,324	2,167	824	\$158.31	\$161.98	\$3.67	2.3
850 -< 900 kwh	152	2.8	74.4	1,579,204	1,804	875	\$168.78	\$172.67	\$3.89	2.3
900 -< 1000 kwh	268	4.9	79.3	2,991,160	3,160	946	\$180.75	\$184.91	\$4.16	2.3
1000 -< 1100 kwh	207	3.8	83.1	2,564,528	2,449	1,047	\$200.75	\$205.37	\$4.61	2.3
1100 -< 1200 kwh	147	2.7	85.7	2,010,241	1,750	1,148	\$218.88	\$223.88	\$5.01	2.3
1200 -< 1300 kwh	134	2.5	88.2	1,964,795	1,575	1,248	\$237.06	\$242.48	\$5.42	2.3
1300 -< 1400 kwh	100	1.8	90.0	1,600,420	1,192	1,342	\$255.31	\$261.16	\$5.85	2.3
1400 -< 1500 kwh	84	1.5	91.6	1,452,430	1,003	1,448	\$276.56	\$282.81	\$6.25	2.3
1500 -< 2000 kwh	199	3.6	95.2	4,041,881	2,353	1,718	\$325.85	\$333.27	\$7.41	2.3
2000 -< 2500 kwh	94	1.7	96.9	2,477,806	1,116	2,221	\$417.27	\$426.81	\$9.54	2.3
2500 -< 3000 kwh	49	0.9	97.8	1,594,902	582	2,740	\$513.83	\$525.55	\$11.72	2.3
3000 -< 3500 kwh	27	0.5	98.3	1,040,399	324	3,210	\$600.46	\$614.14	\$13.68	2.3
3500 -< 4000 kwh	19	0.4	98.7	843,462	223	3,779	\$706.01	\$722.09	\$16.08	2.3
4000 -< 5000 kwh	23	0.4	99.1	1,189,795	269	4,427	\$820.45	\$839.26	\$18.81	2.3
5000 -< 6000 kwh	10	0.2	99.3	642,986	117	5,486	\$1,014.70	\$1,037.95	\$23.26	2.3
6000 -< 7000 kwh	22	0.4	99.7	1,637,248	253	6,467	\$1,206.90	\$1,234.28	\$27.38	2.3
7000 -< 8000 kwh	4	0.1	99.7	346,684	48	7,223	\$1,328.46	\$1,359.01	\$30.55	2.3
8000 -< 9000 kwh	5	0.1	99.8	492,463	59	8,399	\$1,542.01	\$1,577.51	\$35.49	2.3
9000 -< 10000 kwh	1	0.0	99.9	112,761	12	9,370	\$1,745.49	\$1,785.04	\$39.56	2.3
10000 - HIGH	8	0.2	100.0	1,434,190	92	15,527	\$2,875.55	\$2,940.99	\$65.44	2.3

A4-27

RATE DATA ANALYSIS DR5337 - RROIR update - E6L: 2017 Proposed Rates vs. 2018 Proposed Rates (Assuming 2.1% increase in RRO)  
E6 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Proposed Rates 2017	Avg Monthly Bill (\$) using Proposed Rates 2018	Avg \$ change	Avg % change
50 -< 100 kwh	2	0.5	0.5	1,859	24	77	\$14.10	\$14.41	\$0.31	2.2
100 -< 150 kwh	5	1.3	1.9	6,487	58	113	\$18.00	\$18.41	\$0.41	2.3
150 -< 200 kwh	5	1.3	3.2	9,988	56	180	\$25.36	\$25.94	\$0.59	2.3
200 -< 250 kwh	17	4.5	7.7	45,721	204	224	\$31.24	\$31.96	\$0.71	2.3
250 -< 300 kwh	8	2.1	9.8	24,795	93	266	\$36.67	\$37.49	\$0.83	2.3
300 -< 350 kwh	12	3.2	12.9	44,297	138	321	\$43.19	\$44.17	\$0.98	2.3
350 -< 400 kwh	21	5.5	18.5	91,869	244	377	\$49.42	\$50.55	\$1.13	2.3
400 -< 450 kwh	13	3.4	21.9	64,656	152	426	\$56.57	\$57.83	\$1.27	2.2
450 -< 500 kwh	17	4.5	26.4	94,370	198	477	\$62.53	\$63.94	\$1.41	2.3
500 -< 550 kwh	11	2.9	29.3	66,471	128	517	\$66.17	\$67.68	\$1.52	2.3
550 -< 600 kwh	17	4.5	33.8	114,874	199	577	\$73.47	\$75.14	\$1.68	2.3
600 -< 650 kwh	13	3.4	37.2	96,785	156	620	\$77.98	\$79.78	\$1.80	2.3
650 -< 700 kwh	15	4.0	41.2	117,993	176	672	\$88.89	\$90.82	\$1.94	2.2
700 -< 750 kwh	20	5.3	46.4	169,863	237	717	\$93.19	\$95.25	\$2.06	2.2
750 -< 800 kwh	14	3.7	50.1	127,004	164	775	\$99.60	\$101.81	\$2.22	2.2
800 -< 850 kwh	13	3.4	53.6	125,094	152	820	\$106.96	\$109.30	\$2.34	2.2
850 -< 900 kwh	14	3.7	57.3	147,915	168	880	\$111.56	\$114.06	\$2.51	2.3
900 -< 1000 kwh	14	3.7	61.0	156,554	165	951	\$125.00	\$127.70	\$2.70	2.2
1000 -< 1100 kwh	15	4.0	64.9	188,967	179	1,056	\$132.41	\$135.40	\$2.99	2.3
1100 -< 1200 kwh	11	2.9	67.8	142,897	125	1,143	\$146.07	\$149.30	\$3.22	2.2
1200 -< 1300 kwh	8	2.1	69.9	114,962	92	1,250	\$134.74	\$137.84	\$3.10	2.3
1300 -< 1400 kwh	12	3.2	73.1	193,637	142	1,359	\$146.63	\$149.91	\$3.28	2.2
1400 -< 1500 kwh	3	0.8	73.9	49,686	34	1,461	\$176.81	\$180.90	\$4.09	2.3
1500 -< 2000 kwh	30	7.9	81.8	618,114	357	1,733	\$215.23	\$220.05	\$4.82	2.2
2000 -< 2500 kwh	16	4.2	86.0	410,574	185	2,215	\$272.22	\$278.37	\$6.15	2.3
2500 -< 3000 kwh	7	1.9	87.9	239,439	83	2,885	\$349.08	\$357.06	\$7.98	2.3
3000 -< 3500 kwh	12	3.2	91.0	462,688	143	3,241	\$395.61	\$404.57	\$8.95	2.3
3500 -< 4000 kwh	8	2.1	93.1	357,005	96	3,719	\$451.65	\$461.91	\$10.26	2.3
4000 -< 5000 kwh	8	2.1	95.3	401,377	94	4,270	\$517.60	\$529.36	\$11.76	2.3
5000 -< 6000 kwh	8	2.1	97.4	509,170	95	5,360	\$639.07	\$653.65	\$14.59	2.3
6000 -< 7000 kwh	7	1.9	99.2	535,079	84	6,370	\$767.83	\$785.33	\$17.50	2.3
7000 -< 8000 kwh	1	0.3	99.5	90,347	12	7,529	\$926.94	\$947.60	\$20.66	2.2
9000 -< 10000 kwh	1	0.3	99.7	109,270	12	9,106	\$1,081.17	\$1,106.13	\$24.97	2.3
10000 - HIGH	1	0.3	100.0	129,964	12	10,830	\$1,304.00	\$1,333.68	\$29.67	2.3

A4-28



RATE DATA ANALYSIS DR5337 - RROIR update - E7: 2017 Proposed Rates vs. 2018 Proposed Rates (Assuming 2.1% increase in RRQ)  
E7 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative		Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using	Avg Monthly Bill (\$) using	Avg \$ change	Avg % change
			% of customers	% of customers				2017 Proposed Rates	2018 Proposed Rates		
0 -< 50 kwh	138	0.2	0.2		32,969	1,633	20	\$13.54	\$13.82	\$0.29	2.1
50 -< 100 kwh	237	0.4	0.7		221,564	2,786	80	\$23.88	\$24.41	\$0.53	2.2
100 -< 150 kwh	410	0.7	1.4		615,211	4,863	127	\$31.88	\$32.60	\$0.72	2.3
150 -< 200 kwh	628	1.1	2.5		1,316,958	7,453	177	\$39.98	\$40.90	\$0.92	2.3
200 -< 250 kwh	882	1.5	4.0		2,352,173	10,459	225	\$47.82	\$48.93	\$1.11	2.3
250 -< 300 kwh	1,213	2.1	6.1		3,957,879	14,336	276	\$56.69	\$58.00	\$1.31	2.3
300 -< 350 kwh	1,490	2.6	8.7		5,770,270	17,706	326	\$65.21	\$66.71	\$1.50	2.3
350 -< 400 kwh	1,834	3.2	11.8		8,161,615	21,748	375	\$73.96	\$75.65	\$1.69	2.3
400 -< 450 kwh	2,219	3.8	15.7		11,201,349	26,305	426	\$82.72	\$84.60	\$1.88	2.3
450 -< 500 kwh	2,543	4.4	20.1		14,348,471	30,183	475	\$91.75	\$93.82	\$2.07	2.3
500 -< 550 kwh	2,717	4.7	24.8		16,915,336	32,160	526	\$100.78	\$103.04	\$2.26	2.3
550 -< 600 kwh	2,826	4.9	29.7		19,291,205	33,543	575	\$109.55	\$112.00	\$2.45	2.2
600 -< 650 kwh	2,930	5.1	34.7		21,717,269	34,735	625	\$118.65	\$121.28	\$2.64	2.2
650 -< 700 kwh	2,959	5.1	39.9		23,650,701	35,037	675	\$127.50	\$130.33	\$2.83	2.2
700 -< 750 kwh	2,926	5.1	44.9		25,128,157	34,666	725	\$136.33	\$139.35	\$3.03	2.2
750 -< 800 kwh	2,866	5.0	49.9		26,318,676	33,956	775	\$145.22	\$148.44	\$3.22	2.2
800 -< 850 kwh	2,854	4.9	54.8		27,906,650	33,821	825	\$153.90	\$157.31	\$3.41	2.2
850 -< 900 kwh	2,674	4.6	59.5		27,714,464	31,692	874	\$162.96	\$166.57	\$3.61	2.2
900 -< 1000 kwh	4,869	8.4	67.9		54,762,744	57,712	949	\$176.08	\$179.97	\$3.90	2.2
1000 -< 1100 kwh	3,991	6.9	74.8		49,596,493	47,304	1,048	\$193.73	\$198.01	\$4.28	2.2
1100 -< 1200 kwh	3,290	5.7	80.5		44,838,687	39,029	1,149	\$211.25	\$215.92	\$4.68	2.2
1200 -< 1300 kwh	2,512	4.4	84.8		37,130,758	29,749	1,248	\$228.59	\$233.65	\$5.06	2.2
1300 -< 1400 kwh	1,953	3.4	88.2		31,233,488	23,167	1,348	\$246.04	\$251.49	\$5.45	2.2
1400 -< 1500 kwh	1,579	2.7	91.0		27,116,337	18,733	1,448	\$262.90	\$268.73	\$5.82	2.2
1500 -< 2000 kwh	3,598	6.2	97.2		72,533,841	42,712	1,698	\$306.60	\$313.40	\$6.80	2.2
2000 -< 2500 kwh	972	1.7	98.9		25,340,010	11,545	2,195	\$393.10	\$401.83	\$8.73	2.2
2500 -< 3000 kwh	333	0.6	99.4		10,715,729	3,948	2,714	\$481.49	\$492.23	\$10.73	2.2
3000 -< 3500 kwh	125	0.2	99.7		4,766,937	1,485	3,209	\$569.34	\$581.97	\$12.63	2.2
3500 -< 4000 kwh	73	0.1	99.8		3,228,920	867	3,725	\$659.30	\$674.07	\$14.76	2.2
4000 -< 5000 kwh	76	0.1	99.9		3,997,150	909	4,395	\$777.65	\$795.18	\$17.53	2.3
5000 -< 6000 kwh	24	0.0	100.0		1,575,338	286	5,506	\$969.64	\$991.69	\$22.05	2.3
6000 -< 7000 kwh	16	0.0	100.0		1,231,369	190	6,481	\$1,142.82	\$1,168.76	\$25.94	2.3
7000 -< 8000 kwh	4	0.0	100.0		355,805	47	7,496	\$1,334.26	\$1,364.34	\$30.08	2.3
8000 -< 9000 kwh	6	0.0	100.0		616,928	72	8,553	\$1,492.04	\$1,525.78	\$33.75	2.3
9000 -< 10000 kwh	1	-	100.0		108,880	12	9,175	\$1,588.95	\$1,626.66	\$37.70	2.4
10000 - HIGH	3	0.0	100.0		497,778	36	13,827	\$2,433.49	\$2,486.56	\$53.07	2.2

A4-29

RATE DATA ANALYSIS DR5337 - RROIR update - E7L: 2017 Proposed Rates vs. 2018 Proposed Rates (Assuming 2.1% increase in RRQ)  
E7 migrating to ETOU in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Proposed Rates 2017	Avg Monthly Bill (\$) using Proposed Rates 2018	Avg \$ change	Avg % change
0 -< 50 kwh	11	0.1	0.1	3,299	132	25	\$7.86	\$8.03	\$0.16	2.1
50 -< 100 kwh	24	0.3	0.5	21,597	279	77	\$13.92	\$14.22	\$0.29	2.1
100 -< 150 kwh	46	0.6	1.0	64,417	519	124	\$19.09	\$19.50	\$0.41	2.2
150 -< 200 kwh	89	1.2	2.2	186,294	1,039	179	\$25.06	\$25.62	\$0.55	2.2
200 -< 250 kwh	128	1.7	3.8	343,000	1,523	225	\$30.20	\$30.87	\$0.67	2.2
250 -< 300 kwh	186	2.4	6.2	608,544	2,203	276	\$36.02	\$36.81	\$0.79	2.2
300 -< 350 kwh	263	3.4	9.6	1,009,532	3,109	325	\$41.48	\$42.39	\$0.91	2.2
350 -< 400 kwh	274	3.5	13.2	1,219,415	3,247	376	\$47.48	\$48.52	\$1.04	2.2
400 -< 450 kwh	305	3.9	17.1	1,540,240	3,616	426	\$53.22	\$54.38	\$1.16	2.2
450 -< 500 kwh	354	4.6	21.7	1,994,656	4,191	476	\$59.10	\$60.40	\$1.29	2.2
500 -< 550 kwh	393	5.1	26.7	2,453,147	4,660	526	\$64.73	\$66.15	\$1.42	2.2
550 -< 600 kwh	378	4.9	31.6	2,568,242	4,460	576	\$70.61	\$72.15	\$1.54	2.2
600 -< 650 kwh	394	5.1	36.7	2,916,190	4,663	625	\$75.84	\$77.50	\$1.66	2.2
650 -< 700 kwh	369	4.8	41.4	2,966,408	4,391	675	\$81.98	\$83.77	\$1.79	2.2
700 -< 750 kwh	357	4.6	46.0	3,078,872	4,249	725	\$87.13	\$89.04	\$1.91	2.2
750 -< 800 kwh	372	4.8	50.8	3,432,571	4,428	775	\$92.94	\$94.98	\$2.04	2.2
800 -< 850 kwh	341	4.4	55.2	3,350,906	4,063	825	\$98.67	\$100.83	\$2.16	2.2
850 -< 900 kwh	325	4.2	59.4	3,368,125	3,850	875	\$104.55	\$106.83	\$2.29	2.2
900 -< 1000 kwh	590	7.6	67.0	6,631,805	6,985	949	\$113.16	\$115.63	\$2.48	2.2
1000 -< 1100 kwh	442	5.7	72.7	5,513,984	5,269	1,046	\$123.55	\$126.26	\$2.71	2.2
1100 -< 1200 kwh	380	4.9	77.6	5,195,474	4,519	1,150	\$135.41	\$138.39	\$2.98	2.2
1200 -< 1300 kwh	330	4.3	81.9	4,905,096	3,932	1,247	\$146.12	\$149.34	\$3.22	2.2
1300 -< 1400 kwh	297	3.8	85.7	4,770,867	3,537	1,349	\$156.82	\$160.29	\$3.47	2.2
1400 -< 1500 kwh	197	2.5	88.2	3,415,935	2,359	1,448	\$168.84	\$172.56	\$3.72	2.2
1500 -< 2000 kwh	586	7.6	95.8	11,837,449	6,972	1,698	\$196.33	\$200.68	\$4.35	2.2
2000 -< 2500 kwh	185	2.4	98.2	4,878,004	2,200	2,217	\$253.93	\$259.59	\$5.67	2.2
2500 -< 3000 kwh	57	0.7	98.9	1,847,061	675	2,737	\$311.77	\$318.77	\$7.01	2.3
3000 -< 3500 kwh	21	0.3	99.2	817,315	252	3,245	\$369.43	\$377.80	\$8.37	2.3
3500 -< 4000 kwh	18	0.2	99.4	794,101	215	3,687	\$422.81	\$432.40	\$9.59	2.3
4000 -< 5000 kwh	22	0.3	99.7	1,167,270	264	4,421	\$502.72	\$514.11	\$11.39	2.3
5000 -< 6000 kwh	11	0.1	99.9	707,276	132	5,358	\$609.88	\$623.81	\$13.93	2.3
6000 -< 7000 kwh	3	0.0	99.9	247,628	36	6,879	\$784.73	\$802.73	\$18.00	2.3
7000 -< 8000 kwh	4	0.1	99.9	357,125	48	7,440	\$839.60	\$858.72	\$19.12	2.3
9000 -< 10000 kwh	2	0.0	100.0	236,112	24	9,838	\$1,119.07	\$1,145.02	\$25.95	2.3
10000 - HIGH	3	0.0	100.0	423,663	36	11,768	\$1,338.25	\$1,368.27	\$30.02	2.2

A4-30

RATE DATA ANALYSIS DR5337 - RROIR update - E8: 2017 Proposed Rates vs. 2018 Proposed Rates (Assuming 2.1% increase in RRQ)  
E8 migrating to E1 in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$)	Avg Monthly Bill (\$)	Avg \$ change	Avg % change
							Proposed Rates	Proposed Rates		
0 -< 50 kwh	104	0.2	0.2	20,796	1,226	17	\$12.91	\$13.43	\$0.53	4.07
50 -< 100 kwh	75	0.2	0.4	69,087	876	79	\$22.99	\$24.63	\$1.64	7.15
100 -< 150 kwh	75	0.2	0.6	114,246	893	128	\$30.96	\$33.50	\$2.54	8.2
150 -< 200 kwh	134	0.3	0.9	277,521	1,583	175	\$38.89	\$42.21	\$3.31	8.52
200 -< 250 kwh	152	0.4	1.2	402,641	1,789	225	\$47.09	\$51.26	\$4.18	8.87
250 -< 300 kwh	188	0.4	1.7	618,008	2,234	277	\$55.92	\$60.90	\$4.98	8.91
300 -< 350 kwh	284	0.7	2.3	1,101,169	3,362	328	\$65.57	\$71.01	\$5.44	8.3
350 -< 400 kwh	402	0.9	3.2	1,794,037	4,756	377	\$74.91	\$80.95	\$6.04	8.06
400 -< 450 kwh	517	1.2	4.4	2,620,414	6,160	425	\$84.13	\$90.58	\$6.45	7.67
450 -< 500 kwh	669	1.5	5.9	3,798,125	7,994	475	\$94.42	\$100.99	\$6.57	6.96
500 -< 550 kwh	842	1.9	7.8	5,271,139	10,038	525	\$104.87	\$111.43	\$6.57	6.26
550 -< 600 kwh	1,072	2.4	10.3	7,354,686	12,792	575	\$115.28	\$121.75	\$6.47	5.61
600 -< 650 kwh	1,175	2.7	13.0	8,776,345	14,022	626	\$125.99	\$132.22	\$6.23	4.94
650 -< 700 kwh	1,347	3.1	16.0	10,822,636	16,041	675	\$137.23	\$142.65	\$5.42	3.95
700 -< 750 kwh	1,503	3.4	19.5	13,041,880	17,970	726	\$148.67	\$153.32	\$4.65	3.13
750 -< 800 kwh	1,643	3.7	23.2	15,210,222	19,625	775	\$159.07	\$163.31	\$4.25	2.67
800 -< 850 kwh	1,770	4.0	27.2	17,452,190	21,148	825	\$170.53	\$173.82	\$3.29	1.93
850 -< 900 kwh	1,832	4.2	31.4	19,155,407	21,893	875	\$182.51	\$184.47	\$1.96	1.08
900 -< 1000 kwh	3,730	8.5	39.9	42,366,728	44,592	950	\$199.39	\$200.02	\$0.63	0.32
1000 -< 1100 kwh	3,782	8.6	48.5	47,438,070	45,178	1,050	\$222.36	\$220.95	(\$1.41)	-0.63
1100 -< 1200 kwh	3,469	7.9	56.4	47,615,654	41,434	1,149	\$246.06	\$242.06	(\$4.00)	-1.63
1200 -< 1300 kwh	2,989	6.8	63.2	44,569,181	35,698	1,249	\$267.68	\$262.51	(\$5.17)	-1.93
1300 -< 1400 kwh	2,647	6.0	69.2	42,651,111	31,617	1,349	\$292.00	\$283.97	(\$8.03)	-2.75
1400 -< 1500 kwh	2,231	5.1	74.3	38,651,593	26,682	1,449	\$315.57	\$305.09	(\$10.48)	-3.32
1500 -< 2000 kwh	6,548	14.9	89.2	133,775,584	78,238	1,710	\$379.60	\$360.93	(\$18.67)	-4.92
2000 -< 2500 kwh	2,354	5.4	94.6	62,250,175	28,131	2,213	\$507.88	\$469.46	(\$38.42)	-7.56
2500 -< 3000 kwh	1,008	2.3	96.9	32,709,792	12,046	2,715	\$637.45	\$578.00	(\$59.46)	-9.33
3000 -< 3500 kwh	499	1.1	98.0	19,218,485	5,951	3,229	\$775.87	\$690.45	(\$85.42)	-11.01
3500 -< 4000 kwh	280	0.6	98.7	12,439,310	3,331	3,734	\$907.45	\$799.02	(\$108.43)	-11.95
4000 -< 5000 kwh	297	0.7	99.3	15,668,054	3,539	4,427	\$1,093.05	\$950.79	(\$142.26)	-13.02
5000 -< 6000 kwh	122	0.3	99.6	7,943,140	1,449	5,481	\$1,369.00	\$1,179.49	(\$189.52)	-13.84
6000 -< 7000 kwh	63	0.1	99.8	4,776,762	738	6,473	\$1,627.05	\$1,393.49	(\$233.56)	-14.36
7000 -< 8000 kwh	35	0.1	99.8	3,073,422	411	7,477	\$1,902.76	\$1,612.43	(\$290.33)	-15.26
8000 -< 9000 kwh	12	0.0	99.9	1,225,658	144	8,502	\$2,133.50	\$1,831.81	(\$301.69)	-14.14
9000 -< 10000 kwh	10	0.0	99.9	1,078,200	115	9,414	\$2,404.74	\$2,030.32	(\$374.42)	-15.57
10000 - HIGH	51	0.1	100.0	10,216,045	592	17,256	\$4,456.50	\$3,726.69	(\$729.81)	-16.38

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RATE DATA ANALYSIS DR5337 - RROIR update - E8L: 2017 Proposed Rates vs. 2018 Proposed Rates (Assuming 2.1% increase in RRQ)  
E8 migrating to E1 in 2016

Monthly KWH Strata	Number of Customers	% of Customers	Cumulative % of customers	Annual Usage (kwh)	Number of Months	Avg kWh for the range	Avg Monthly Bill (\$) using Proposed Rates 2017	Avg Monthly Bill (\$) using Proposed Rates 2018	Avg \$ change	Avg % change
0 -< 50 kwh	7	0.1	0.1	672	84	8	\$5.99	\$6.18	\$0.20	3.26
50 -< 100 kwh	10	0.1	0.2	8,198	112	74	\$13.34	\$14.28	\$0.94	7.06
100 -< 150 kwh	15	0.2	0.4	20,926	167	126	\$19.16	\$20.70	\$1.54	8.02
150 -< 200 kwh	28	0.3	0.7	59,645	330	181	\$25.33	\$27.49	\$2.16	8.55
200 -< 250 kwh	26	0.3	1.0	69,791	306	228	\$30.73	\$33.44	\$2.71	8.82
250 -< 300 kwh	51	0.6	1.6	166,968	603	277	\$36.59	\$39.86	\$3.27	8.93
300 -< 350 kwh	50	0.6	2.2	190,063	588	323	\$42.19	\$45.98	\$3.79	8.98
350 -< 400 kwh	99	1.1	3.3	443,249	1,175	377	\$48.71	\$53.13	\$4.42	9.07
400 -< 450 kwh	100	1.2	4.4	500,881	1,175	426	\$54.98	\$59.94	\$4.96	9.03
450 -< 500 kwh	181	2.1	6.5	1,023,800	2,163	473	\$60.97	\$66.44	\$5.47	8.97
500 -< 550 kwh	177	2.0	8.6	1,106,791	2,111	524	\$67.25	\$73.24	\$6.00	8.92
550 -< 600 kwh	188	2.2	10.7	1,282,290	2,238	573	\$73.88	\$80.29	\$6.41	8.68
600 -< 650 kwh	236	2.7	13.4	1,758,264	2,812	625	\$80.61	\$87.46	\$6.85	8.5
650 -< 700 kwh	259	3.0	16.4	2,086,151	3,089	675	\$87.09	\$94.46	\$7.37	8.46
700 -< 750 kwh	288	3.3	19.7	2,489,853	3,432	725	\$93.97	\$101.63	\$7.65	8.14
750 -< 800 kwh	276	3.2	22.9	2,554,798	3,295	775	\$101.01	\$108.94	\$7.92	7.84
800 -< 850 kwh	319	3.7	26.6	3,137,738	3,804	825	\$106.63	\$115.02	\$8.39	7.87
850 -< 900 kwh	358	4.1	30.7	3,751,114	4,285	875	\$113.85	\$122.47	\$8.62	7.57
900 -< 1000 kwh	691	8.0	38.6	7,825,393	8,243	949	\$124.12	\$133.08	\$8.97	7.22
1000 -< 1100 kwh	673	7.7	46.4	8,419,492	8,033	1,048	\$137.21	\$146.88	\$9.67	7.04
1100 -< 1200 kwh	629	7.2	53.6	8,646,974	7,516	1,151	\$151.40	\$161.62	\$10.22	6.75
1200 -< 1300 kwh	603	6.9	60.6	8,993,185	7,200	1,249	\$164.63	\$175.53	\$10.90	6.62
1300 -< 1400 kwh	547	6.3	66.9	8,826,594	6,538	1,350	\$179.16	\$190.36	\$11.20	6.25
1400 -< 1500 kwh	454	5.2	72.1	7,853,677	5,424	1,448	\$192.34	\$204.25	\$11.91	6.19
1500 -< 2000 kwh	1,374	15.8	87.9	28,087,148	16,419	1,711	\$230.83	\$242.95	\$12.11	5.25
2000 -< 2500 kwh	586	6.7	94.6	15,436,995	7,007	2,203	\$303.09	\$315.31	\$12.22	4.03
2500 -< 3000 kwh	221	2.5	97.2	7,166,986	2,635	2,720	\$378.55	\$390.75	\$12.21	3.22
3000 -< 3500 kwh	95	1.1	98.3	3,682,050	1,132	3,252	\$456.51	\$468.40	\$11.89	2.6
3500 -< 4000 kwh	49	0.6	98.8	2,184,756	588	3,715	\$524.91	\$536.26	\$11.35	2.16
4000 -< 5000 kwh	60	0.7	99.5	3,226,310	720	4,479	\$644.78	\$651.86	\$7.08	1.1
5000 -< 6000 kwh	15	0.2	99.7	998,386	180	5,549	\$802.12	\$808.55	\$6.43	0.8
6000 -< 7000 kwh	4	0.1	99.7	323,794	48	6,746	\$986.46	\$987.69	\$1.23	0.12
7000 -< 8000 kwh	3	0.0	99.8	271,622	36	7,545	\$1,125.33	\$1,114.50	(\$10.83)	-0.96
8000 -< 9000 kwh	1	0.0	99.8	98,627	12	8,219	\$1,227.55	\$1,214.57	(\$12.98)	-1.06
9000 -< 10000 kwh	2	0.0	99.8	221,265	24	9,219	\$1,376.71	\$1,361.94	(\$14.77)	-1.07
10000 - HIGH	17	0.2	100.0	3,848,943	204	18,867	\$2,832.48	\$2,791.17	(\$41.31)	-1.46

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