

Richmond Power & Light Rate Design Model

Attachment JAM-8

Settlement Testimony of J. Mancinelli

Petitioner's Exhibit 8

Cause No. 45361

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Richmond Power and Light

Rate Design - Average Customer Bill by Phase

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Line No.	Class	Units	Current Rate	Phase 1 Rates			Phase 2 Rates			Phase 3 Rates			Total All Phases	
				Ave Bill	Increase \$	Increase %	Ave Bill	Increase \$	Increase %	Ave Bill	Increase \$	Increase %	Increase \$	Increase %
1	Residential Electric Service	\$/Bill	\$100.01	\$103.66	\$3.65	3.6%	\$107.70	\$4.05	3.9%	\$111.90	\$4.20	3.9%	\$11.89	11.9%
2	Commercial Lighting Service	\$/Bill	\$105.95	\$108.68	\$2.74	2.6%	\$108.68	\$0.00	0.0%	\$108.68	\$0.00	0.0%	\$2.74	2.6%
3	General Power Service	\$/Bill	\$1,234.89	\$1,277.96	\$43.07	3.5%	\$1,288.86	\$10.90	0.9%	\$1,288.86	\$0.00	0.0%	\$53.98	4.4%
4	Large Power Service - Secondary	\$/Bill	\$8,904.19	\$9,350.17	\$445.98	5.0%	\$9,710.46	\$360.29	3.9%	\$9,710.46	\$0.00	0.0%	\$806.27	9.1%
5	Large Power Services - Coincident Peak - Primary	\$/Bill	\$51,257.68	\$53,003.66	\$1,745.98	3.4%	\$53,414.85	\$411.19	0.8%	\$53,414.85	\$0.00	0.0%	\$2,157.17	4.2%
6	Large Power Services - Coincident Peak - Secondary	\$/Bill	\$17,911.54	\$18,806.98	\$895.44	5.0%	\$19,747.37	\$940.39	5.0%	\$19,960.48	\$213.10	1.1%	\$2,048.94	11.4%
7	Industrial Service - Primary	\$/Bill	\$160,995.76	\$166,438.49	\$5,442.73	3.4%	\$167,698.94	\$1,260.45	0.8%	\$167,698.94	\$0.00	0.0%	\$6,703.18	4.2%
8	Industrial Service - Coincident Peak - Primary	\$/Bill	\$97,313.33	\$99,827.51	\$2,514.18	2.6%	\$99,826.29	(\$1.22)	0.0%	\$99,831.36	\$5.07	0.0%	\$2,518.03	2.6%
9	Electric Heating Schools	\$/Bill	\$1,856.04	\$1,937.62	\$81.58	4.4%	\$2,023.01	\$85.38	4.4%	\$2,112.04	\$89.03	4.4%	\$256.00	13.8%
10	General Electric Heating	\$/Bill	\$973.33	\$1,021.95	\$48.62	5.0%	\$1,058.01	\$36.06	3.5%	\$1,058.01	\$0.00	0.0%	\$84.68	8.7%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A	B	C	D	E	F	G	H	I
Line No.	Class	Description	Source Document (click link to sheet)	Units	Current Rate	Phase 1 Rate	Phase 2 Rate	Phase 3 Rate
1	Residential	Electric Service	Residential Rate Design					
2		Facilities Charge		\$/Month	\$10.00	\$10.75	\$11.50	\$12.25
		Energy Charge						
3		Energy Charge Tier 1		\$/KWH	\$0.06492	\$0.10110	\$0.10151	\$0.10191
4		Energy Charge Tier 2		\$/KWH	\$0.04909	\$0.09360	\$0.09760	\$0.10191
5		Energy Charge Tier 3		\$/KWH	\$0.04563	\$0.08610	\$0.09401	\$0.10191
6		Tracker 1		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
7		Tracker 2		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
		KWH ECA						
8		Quarter 1		\$/KWH	\$0.03933	\$0.00000	\$0.00000	\$0.00000
9		Quarter 2		\$/KWH	\$0.03650	\$0.00000	\$0.00000	\$0.00000
10		Quarter 3		\$/KWH	\$0.03436	\$0.00000	\$0.00000	\$0.00000
11		Quarter 4		\$/KWH	\$0.04199	\$0.00000	\$0.00000	\$0.00000
12		Average Rate		\$/KWH	\$0.10196	\$0.10568	\$0.10980	\$0.11408
13		Average Bill		\$/Bill	\$100.01	\$103.66	\$107.70	\$111.90
14		Percent Change		%		3.65%	3.90%	3.90%
15		Total Percent Change		%				11.89%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A	B	C	D	E	F	G	H	I
Line No.	Class	Description	Source Document (click link to sheet)	Units	Current Rate	Phase 1 Rate	Phase 2 Rate	Phase 3 Rate
Commercial Lighting Service			Commercial Lighting					
16		Facilities Charge		\$/Month	\$17.50	\$20.75	\$20.75	\$20.75
17		Energy Charge		\$/KWH	\$0.06046	\$0.12124	\$0.12124	\$0.12124
18		Tracker 1		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
19		Tracker 2		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
		KWH ECA						
20		Quarter 1		\$/KWH	\$0.06381	\$0.00000	\$0.00000	\$0.00000
21		Quarter 2		\$/KWH	\$0.05841	\$0.00000	\$0.00000	\$0.00000
22		Quarter 3		\$/KWH	\$0.05429	\$0.00000	\$0.00000	\$0.00000
23		Quarter 4		\$/KWH	\$0.06864	\$0.00000	\$0.00000	\$0.00000
24		Average Rate		\$/KWH	\$0.14558	\$0.14934	\$0.14934	\$0.14934
25		Average Bill		\$/Bill	\$105.95	\$108.68	\$108.68	\$108.68
26		Percent Change		%		2.58%	0.00%	0.00%
27		Total Percent Change		%				2.58%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A	B	C	D	E	F	G	H	I
Line No.	Class	Description	Source Document (click link to sheet)	Units	Current Rate	Phase 1 Rate	Phase 2 Rate	Phase 3 Rate
		General Power Service	General Power Service					
28		Facilities Charge		\$/Month	\$20.00	\$46.50	\$73.00	\$73.00
		Energy Charge						
29		Energy Charge Tier 1		\$/KWH	\$0.07721	\$0.09946	\$0.07600	\$0.07600
30		Energy Charge Tier 2		\$/KWH	\$0.06046	\$0.09613	\$0.07600	\$0.07600
31		Energy Charge Tier 3		\$/KWH	\$0.05576	\$0.09279	\$0.07600	\$0.07600
32		Energy Charge Tier 4		\$/KWH	\$0.05055	\$0.08946	\$0.07600	\$0.07600
		Demand Charge						
33		Demand Charge Tier 1		\$/KW	\$0.00	\$1.40	\$6.50	\$6.50
34		Demand Charge Tier 2		\$/KW	\$2.80	\$2.80	\$6.50	\$6.50
35		Substation Discount		\$/KW	\$0.39	\$0.47	\$0.47	\$0.47
36		Tracker 1		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
37		Tracker 2		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
		KWH ECA						
38		Quarter 1		\$/KWH	\$0.03981	\$0.00000	\$0.00000	\$0.00000
39		Quarter 2		\$/KWH	\$0.03651	\$0.00000	\$0.00000	\$0.00000
40		Quarter 3		\$/KWH	\$0.03489	\$0.00000	\$0.00000	\$0.00000
41		Quarter 4		\$/KWH	\$0.04166	\$0.00000	\$0.00000	\$0.00000
42		Average Rate		\$/KWH	\$0.09814	\$0.10156	\$0.10243	\$0.10243
43		Average Bill		\$/Bill	\$1,234.89	\$1,277.96	\$1,288.86	\$1,288.86
44		Percent Change		%		3.49%	0.85%	0.00%
45		Total Percent Change		%				4.37%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A Line No.	B Class	C Description	D Source Document (click link to sheet)	E Units	F Current Rate	G Phase 1 Rate	H Phase 2 Rate	I Phase 3 Rate
		Large Power Service - Secondary	Large Power Service					
46		Facilities Charge		\$/Month	\$0.00	\$195.25	\$195.25	\$195.25
47		Energy Charge		\$/KWH	\$0.02919	\$0.03757	\$0.03515	\$0.03515
48		Demand Charge Secondary		\$/KVA	\$7.77	\$22.50	\$25.00	\$25.00
49		Tracker 1		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
50		Tracker 2		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
		KWH ECA						
51		Quarter 1		\$/KWH	\$0.01108	\$0.00000	\$0.00000	\$0.00000
52		Quarter 2		\$/KWH	\$0.01128	\$0.00000	\$0.00000	\$0.00000
53		Quarter 3		\$/KWH	\$0.01126	\$0.00000	\$0.00000	\$0.00000
54		Quarter 4		\$/KWH	\$0.01108	\$0.00000	\$0.00000	\$0.00000
		KVA ECA						
55		Quarter 1		\$/KVA	\$12.59	\$0.00	\$0.00	\$0.00
56		Quarter 2		\$/KVA	\$12.30	\$0.00	\$0.00	\$0.00
57		Quarter 3		\$/KVA	\$12.27	\$0.00	\$0.00	\$0.00
58		Quarter 4		\$/KVA	\$12.94	\$0.00	\$0.00	\$0.00
59		Average Rate		\$/KWH	\$0.08913	\$0.09359	\$0.09720	\$0.09720
60		Average Bill		\$/Bill	\$8,904.19	\$9,350.17	\$9,710.46	\$9,710.46
61		Percent Change		%		5.01%	3.85%	0.00%
62		Total Percent Change		%				9.05%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A	B	C	D	E	F	G	H	I
Line No.	Class	Description	Source Document (click link to sheet)	Units	Current Rate	Phase 1 Rate	Phase 2 Rate	Phase 3 Rate
		Large Power Services - Coincident Peak - Secondary	Large Power COIN Secondary					
63		Facilities Charge		\$/Month	\$0.00	\$195.25	\$195.25	\$195.25
64		Energy Charge Secondary		\$/KWH	\$0.02437	\$0.03441	\$0.03317	\$0.02870
65		Demand Charge Secondary		\$/KW	\$7.77	\$23.81	\$25.37	\$26.90
66		T&D Charge Secondary		\$/KVA	\$2.50	\$3.33	\$4.47	\$5.60
67		Tracker 1		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
68		Tracker 2		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
		KWH ECA						
69		Quarter 1		\$/KWH	\$0.01108	\$0.00000	\$0.00000	\$0.00000
70		Quarter 2		\$/KWH	\$0.01128	\$0.00000	\$0.00000	\$0.00000
71		Quarter 3		\$/KWH	\$0.01126	\$0.00000	\$0.00000	\$0.00000
72		Quarter 4		\$/KWH	\$0.01108	\$0.00000	\$0.00000	\$0.00000
		KW ECA						
73		Quarter 1		\$/KW	\$14.82	\$0.00	\$0.00	\$0.00
74		Quarter 2		\$/KW	\$14.48	\$0.00	\$0.00	\$0.00
75		Quarter 3		\$/KW	\$14.45	\$0.00	\$0.00	\$0.00
76		Quarter 4		\$/KW	\$15.24	\$0.00	\$0.00	\$0.00
77		Average Rate		\$/KWH	\$0.08121	\$0.08527	\$0.08953	\$0.09050
78		Average Bill		\$/Bill	\$17,911.54	\$18,806.98	\$19,747.37	\$19,960.48
79		Percent Change		%		5.00%	5.00%	1.08%
80		Total Percent Change		%				11.44%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A	B	C	D	E	F	G	H	I
Line No.	Class	Description	Source Document (click link to sheet)	Units	Current Rate	Phase 1 Rate	Phase 2 Rate	Phase 3 Rate
Large Power Services - Coincident Peak - Primary			Large Power COIN Primary					
81		Facilities Charge		\$/Month	\$0.00	\$195.25	\$195.25	\$195.25
82		Energy Charge Primary		\$/KWH	\$0.02437	\$0.03273	\$0.02897	\$0.02897
83		Demand Charge Primary		\$/KW	\$7.77	\$24.43	\$26.34	\$26.34
84		Demand Discount		\$/KVA	\$0.35	\$0.00	\$0.00	\$0.00
85		T&D Charge Primary		\$/KVA	\$2.50	\$3.12	\$3.73	\$3.73
86		Tracker 1		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
87		Tracker 2		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
		KWH ECA						
88		Quarter 1		\$/KWH	\$0.01108	\$0.00000	\$0.00000	\$0.00000
89		Quarter 2		\$/KWH	\$0.01128	\$0.00000	\$0.00000	\$0.00000
90		Quarter 3		\$/KWH	\$0.01126	\$0.00000	\$0.00000	\$0.00000
91		Quarter 4		\$/KWH	\$0.01108	\$0.00000	\$0.00000	\$0.00000
		KW ECA						
92		Quarter 1		\$/KW	\$14.82	\$0.00	\$0.00	\$0.00
93		Quarter 2		\$/KW	\$14.48	\$0.00	\$0.00	\$0.00
94		Quarter 3		\$/KW	\$14.45	\$0.00	\$0.00	\$0.00
95		Quarter 4		\$/KW	\$15.24	\$0.00	\$0.00	\$0.00
96		Average Rate		\$/KWH	\$0.07643	\$0.07904	\$0.07965	\$0.07965
97		Average Bill		\$/Bill	\$51,257.68	\$53,003.66	\$53,414.85	\$53,414.85
98		Percent Change		%		3.41%	0.78%	0.00%
99		Total Percent Change		%				4.21%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A	B	C	D	E	F	G	H	I
Line No.	Class	Description	Source Document (click link to sheet)	Units	Current Rate	Phase 1 Rate	Phase 2 Rate	Phase 3 Rate
		Industrial Service - Primary	Industrial Service Primary					
100		Facilities Charge		\$/Month	\$0.00	\$195.25	\$195.25	\$195.25
101		Energy Charge		\$/KWH	\$0.02437	\$0.03550	\$0.03371	\$0.03371
102		Demand Charge		\$/KVA	\$8.67	\$22.60	\$24.00	\$24.00
103		Tracker 1		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
104		Tracker 2		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
		KWH ECA						
105		Quarter 1		\$/KWH	\$0.01108	\$0.00000	\$0.00000	\$0.00000
106		Quarter 2		\$/KWH	\$0.01128	\$0.00000	\$0.00000	\$0.00000
107		Quarter 3		\$/KWH	\$0.01126	\$0.00000	\$0.00000	\$0.00000
108		Quarter 4		\$/KWH	\$0.01108	\$0.00000	\$0.00000	\$0.00000
		KVA ECA						
109		Quarter 1		\$/KVA	\$12.59	\$0.00	\$0.00	\$0.00
110		Quarter 2		\$/KVA	\$12.30	\$0.00	\$0.00	\$0.00
111		Quarter 3		\$/KVA	\$12.27	\$0.00	\$0.00	\$0.00
112		Quarter 4		\$/KVA	\$12.94	\$0.00	\$0.00	\$0.00
113		Average Rate		\$/KWH	\$0.07086	\$0.07326	\$0.07381	\$0.07381
114		Average Bill		\$/Bill	\$160,995.76	\$166,438.49	\$167,698.94	\$167,698.94
115		Percent Change		%		3.38%	0.76%	0.00%
116		Total Percent Change		%				4.16%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A Line No.	B Class	C Description	D Source Document (click link to sheet)	E Units	F Current Rate	G Phase 1 Rate	H Phase 2 Rate	I Phase 3 Rate
		Industrial Service - Coincident Peak - Primary	Industrial Service COIN Primary					
117		Facilities Charge		\$/Month	\$0.00	\$195.25	\$195.25	\$195.25
118		Energy Charge		\$/KWH	\$0.02437	\$0.03215	\$0.02635	\$0.02448
119		Demand Charge		\$/KW	\$7.47	\$24.13	\$26.24	\$26.34
120		Tracker 1		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
121		Tracker 2		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
122		T&D Charge		\$/KVA	\$1.90	\$2.51	\$3.12	\$3.73
		KWH ECA						
123		Quarter 1		\$/KWH	\$0.01108	\$0.00000	\$0.00000	\$0.00000
124		Quarter 2		\$/KWH	\$0.01128	\$0.00000	\$0.00000	\$0.00000
125		Quarter 3		\$/KWH	\$0.01126	\$0.00000	\$0.00000	\$0.00000
126		Quarter 4		\$/KWH	\$0.01108	\$0.00000	\$0.00000	\$0.00000
		KW ECA						
127		Quarter 1		\$/KW	\$14.82	\$0.00	\$0.00	\$0.00
128		Quarter 2		\$/KW	\$14.48	\$0.00	\$0.00	\$0.00
129		Quarter 3		\$/KW	\$14.45	\$0.00	\$0.00	\$0.00
130		Quarter 4		\$/KW	\$15.24	\$0.00	\$0.00	\$0.00
131		Average Rate		\$/KWH	\$0.08393	\$0.08610	\$0.08610	\$0.08611
132		Average Bill		\$/Bill	\$97,313.33	\$99,827.51	\$99,826.29	\$99,831.36
133		Percent Change		%		2.58%	(0.00%)	0.01%
134		Total Percent Change		%				2.59%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A	B	C	D	E	F	G	H	I
Line No.	Class	Description	Source Document (click link to sheet)	Units	Current Rate	Phase 1 Rate	Phase 2 Rate	Phase 3 Rate
Electric Heating Schools			Electric Heating Schools					
135		Facilities Charge		\$/Month	\$0.00	\$24.30	\$48.65	\$73.00
136		Energy Charge		\$/KWH	\$0.05349	\$0.09457	\$0.09759	\$0.10079
137		Tracker 1		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
138		Tracker 2		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
		KWH ECA						
139		Quarter 1		\$/KWH	\$0.03981	\$0.00000	\$0.00000	\$0.00000
140		Quarter 2		\$/KWH	\$0.03651	\$0.00000	\$0.00000	\$0.00000
141		Quarter 3		\$/KWH	\$0.03489	\$0.00000	\$0.00000	\$0.00000
142		Quarter 4		\$/KWH	\$0.04166	\$0.00000	\$0.00000	\$0.00000
143		Average Rate		\$/KWH	\$0.09148	\$0.09550	\$0.09971	\$0.10410
144		Average Bill		\$/Bill	\$1,856.04	\$1,937.62	\$2,023.01	\$2,112.04
145		Percent Change		%		4.40%	4.41%	4.40%
146		Total Percent Change		%				13.79%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A Line No.	B Class	C Description	D Source Document (click link to sheet)	E Units	F Current Rate	G Phase 1 Rate	H Phase 2 Rate	I Phase 3 Rate
		General Electric Heating	General Electric Heating					
147		Facilities Charge		\$/Month	\$0.00	\$25.75	\$51.50	\$51.50
		Energy Charge						
148		Energy Charge Tier 1		\$/KWH	\$0.09647	\$0.13008	\$0.09993	\$0.09993
149		Energy Charge Tier 2		\$/KWH	\$0.09878	\$0.13008	\$0.09993	\$0.09993
150		Energy Charge Tier 3		\$/KWH	\$0.06310	\$0.10008	\$0.07993	\$0.07993
151		Energy Charge Tier 4		\$/KWH	\$0.05028	\$0.09008	\$0.07993	\$0.07993
		Demand Charge						
152		Demand Charge Tier 1		\$/KW	\$0.00	\$1.40	\$6.50	\$6.50
153		Demand Charge Tier 2		\$/KW	\$3.20	\$2.80	\$6.50	\$6.50
154		Tracker 1		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
155		Tracker 2		\$/KWH	\$0.00000	\$0.00000	\$0.00000	\$0.00000
		KWH ECA						
156		Quarter 1		\$/KWH	\$0.03981	\$0.00000	\$0.00000	\$0.00000
157		Quarter 2		\$/KWH	\$0.03651	\$0.00000	\$0.00000	\$0.00000
158		Quarter 3		\$/KWH	\$0.03489	\$0.00000	\$0.00000	\$0.00000
159		Quarter 4		\$/KWH	\$0.04166	\$0.00000	\$0.00000	\$0.00000
160		Average Rate		\$/KWH	\$0.09974	\$0.10472	\$0.10842	\$0.10842
161		Average Bill		\$/Bill	\$973.33	\$1,021.95	\$1,058.01	\$1,058.01
162		Percent Change		%		5.00%	3.53%	0.00%
163		Total Percent Change		%				8.70%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A Line No.	B Class	C Description	D Source Document (click link to sheet)	E Units	F Current Rate	G Phase 1 Rate	H Phase 2 Rate	I Phase 3 Rate
No Customer Classes								
Large Power Service - Primary			Summary of LPS, IS & Trans.					
164		Customer Charge		\$/Month		\$195.25	\$195.25	\$195.25
165		Energy Charge		\$/KWH		\$0.03574	\$0.03561	\$0.03548
166		Demand Charge		\$/KVA		\$22.84	\$22.99	\$23.13
Industrial Service - Secondary			Summary of LPS, IS & Trans.					
167		Customer Charge		\$/Month		\$195.25	\$195.25	\$195.25
168		Energy Charge		\$/KWH		\$0.03622	\$0.03440	\$0.03440
169		Demand Charge		\$/KVA		\$22.50	\$25.00	\$25.00
Industrial Service - Coincident Peak - Secondary			Summary of LPS, IS & Trans.					
170		Customer Charge		\$/Month		\$195.25	\$195.25	\$195.25
171		Energy Charge		\$/KWH		\$0.03281	\$0.02689	\$0.02498
172		Demand Charge		\$/KW		\$23.81	\$25.37	\$26.90
173		T&D Charge		\$/KVA		\$3.33	\$4.47	\$5.60
Transmission Service			Summary of LPS, IS & Trans.					
174		Customer Charge		\$/Month		\$195.25	\$195.25	\$195.25
175		Energy Charge		\$/KWH		\$0.02748	\$0.02748	\$0.02748
176		Demand Charge		\$/KVA		\$22.00	\$22.00	\$22.00
Transmission Service - Coincident Peak			Summary of LPS, IS & Trans.					
177		Customer Charge		\$/Month		\$195.25	\$195.25	\$195.25
178		Energy Charge		\$/KWH		\$0.02748	\$0.02748	\$0.02748
179		Demand Charge		\$/KW		\$25.55	\$25.55	\$25.55
180		T&D Charge		\$/KVA		\$2.02	\$2.02	\$2.02



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A Line No.	B Class	C Description	D Source Document (click link to sheet)	E Units	F Current Rate	G Phase 1 Rate	H Phase 2 Rate	I Phase 3 Rate
Lighting								
Outdoor Lighting Services								
			Lighting Service					
181		100 Watt Sodium Vapor OL		\$/Lamp/Month	\$4.66	\$5.63	\$5.88	\$6.14
182		150 Watt Sodium Vapor OL		\$/Lamp/Month	\$5.12	\$6.19	\$6.46	\$6.74
183		175 Watt Mercury Vapor OL		\$/Lamp/Month	\$6.75	\$8.16	\$8.52	\$8.89
184		250 Watt Metal Halide Flood OL		\$/Lamp/Month	\$7.39	\$8.93	\$9.33	\$9.74
185		250 Watt Mercury Vapor OL		\$/Lamp/Month	\$8.42	\$10.18	\$10.62	\$11.09
186		250 Watt Sodium Vapor Flood OL		\$/Lamp/Month	\$7.23	\$8.74	\$9.12	\$9.52
187		250 Watt Sodium Vapor OL		\$/Lamp/Month	\$9.58	\$11.58	\$12.09	\$12.62
188		400 Watt Metal Halide Flood OL		\$/Lamp/Month	\$8.66	\$10.47	\$10.93	\$11.41
189		400 Watt Mercury Vapor OL		\$/Lamp/Month	\$10.12	\$12.23	\$12.77	\$13.33
190		400 Watt Sodium Vapor Flood OL		\$/Lamp/Month	\$8.58	\$10.37	\$10.83	\$11.30
KWH ECA								
191		Quarter 1		\$/KWH	\$0.01105	\$0.00000	\$0.00000	\$0.00000
192		Quarter 2		\$/KWH	\$0.01128	\$0.00000	\$0.00000	\$0.00000
193		Quarter 3		\$/KWH	\$0.01126	\$0.00000	\$0.00000	\$0.00000
194		Quarter 4		\$/KWH	\$0.01103	\$0.00000	\$0.00000	\$0.00000
195		Outdoor Lighting Revenue		\$	\$262,733	\$274,331	\$286,380	\$298,910
196		Percent Change		%		4.41%	4.39%	4.38%
197		Total Percent Change		%				13.77%



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A	B	C	D	E	F	G	H	I
Line No.	Class	Description	Source Document (click link to sheet)	Units	Current Rate	Phase 1 Rate	Phase 2 Rate	Phase 3 Rate
Street Light Services			Lighting Service					
198		100 W Sodium Vapor-UG-Fiber		\$/Lamp/Month	\$6.68	\$7.68	\$7.94	\$7.94
199		100 W Sodium Vapor-UG-Metal		\$/Lamp/Month	\$6.68	\$7.68	\$7.94	\$7.94
200		150 W Sodium Vapor-OH-Metal		\$/Lamp/Month	\$10.77	\$12.39	\$12.80	\$12.80
201		150 W Sodium Vapor-OH-Metal-T		\$/Lamp/Month	\$14.34	\$16.49	\$17.05	\$17.05
202		150 W Sodium Vapor-OH-Wood		\$/Lamp/Month	\$7.02	\$8.07	\$8.35	\$8.35
203		150 W Sodium Vapor-UG-Metal		\$/Lamp/Month	\$14.36	\$16.52	\$17.07	\$17.07
204		150 W Sodium Vapor-UG-Metal-T		\$/Lamp/Month	\$18.02	\$20.73	\$21.42	\$21.42
205		175 W Metal Hal-UG-Metal-C-S		\$/Lamp/Month	\$7.73	\$8.89	\$9.19	\$9.19
206		175 W Metal Hal-UG-Metal-C-T		\$/Lamp/Month	\$10.62	\$12.21	\$12.63	\$12.63
207		175 W Metal Halide-UG-Metal		\$/Lamp/Month	\$14.31	\$16.46	\$17.01	\$17.01
208		175 W Mercury Vapor UG-Metal		\$/Lamp/Month	\$15.61	\$17.95	\$18.56	\$18.56
209		175 W Mercury Vapor-UG-Metal-S		\$/Lamp/Month	\$7.55	\$8.68	\$8.98	\$8.98
210		175 W Mercury Vapor-UG-Wood		\$/Lamp/Month	\$11.22	\$12.90	\$13.34	\$13.34
211		250 W Mercury Vapor-OH-Metal		\$/Lamp/Month	\$11.57	\$13.31	\$13.76	\$13.76
212		250 W Sodium Vapor-OH-Metal		\$/Lamp/Month	\$11.61	\$13.35	\$13.80	\$13.80
213		250 W Mercury Vapor-OH-Wood		\$/Lamp/Month	\$8.06	\$9.27	\$9.58	\$9.58
214		250 W Sodium Vapor-OH-Wood		\$/Lamp/Month	\$8.06	\$9.27	\$9.58	\$9.58
215		250 W Mercury Vapor-UG-Metal-S		\$/Lamp/Month	\$16.12	\$18.54	\$19.17	\$19.17
216		250 W Sodium Vapor-UG-Metal		\$/Lamp/Month	\$16.12	\$18.54	\$19.17	\$19.17
217		250 W Sodium Vapor-UG-Metal-T		\$/Lamp/Month	\$19.14	\$22.01	\$22.76	\$22.76
218		250 W Sodium Vapor-OH-Metal-T		\$/Lamp/Month	\$16.64	\$17.47	\$18.06	\$18.06
219		400 W Sodium Vapor-OH-Wood		\$/Lamp/Month	\$26.48	\$30.46	\$31.48	\$31.48
220		400 W Metal Hal-UG-Metal-C-S		\$/Lamp/Month	\$9.11	\$10.48	\$10.83	\$10.83
221		400 W Sodium Vapor-UG-Metal		\$/Lamp/Month	\$28.07	\$32.28	\$33.37	\$33.37
222		1000 W Metal Halide-UG-Metal-T		\$/Lamp/Month	\$33.80	\$35.48	\$36.69	\$36.69
223		150 Sodium Vapor-UG-Metal		\$/Lamp/Month	\$21.38	\$24.59	\$25.42	\$25.42
224		2-400 W Sodium Vapor-UG-Met-N		\$/Lamp/Month	\$36.54	\$42.03	\$43.44	\$43.44
225		4-400 W Mercury Vapor-UG-Met-N		\$/Lamp/Month	\$43.70	\$45.88	\$47.43	\$47.43
226		400 W Sodium Vapor-UG-Metal-N		\$/Lamp/Month	\$26.54	\$30.52	\$31.55	\$31.55
227		70 W Sodium Vapor-UG-Metal		\$/Lamp/Month	\$18.65	\$21.45	\$22.17	\$22.17



Rate Design - Rate Summaries by Phase

Richmond Power and Light

A Line No.	B Class	C Description	D Source Document (click link to sheet)	E Units	F Current Rate	G Phase 1 Rate	H Phase 2 Rate	I Phase 3 Rate
228		70 W-Sodium Vapor-UG-Metal-T		\$/Lamp/Month	\$26.54	\$30.52	\$31.55	\$31.55
229		SL <400W -OH-Wood KWH ECA		\$/Lamp/Month	\$10.07	\$11.58	\$11.97	\$11.97
230		Quarter 1		\$/KWH	\$0.01105	\$0.00000	\$0.00000	\$0.00000
231		Quarter 2		\$/KWH	\$0.01128	\$0.00000	\$0.00000	\$0.00000
232		Quarter 3		\$/KWH	\$0.01126	\$0.00000	\$0.00000	\$0.00000
233		Quarter 4		\$/KWH	\$0.01103	\$0.00000	\$0.00000	\$0.00000
234		Street Lighting Revenue		\$	\$847,936	\$890,175	\$920,330	\$920,330
235		Percent Change		%		4.98%	3.39%	0.00%
236		Total Percent Change		%				8.54%



Rate Design - Total Revenues by Phase

Richmond Power and Light

Line No.	Class	Source Document	Richmond Power and Light															
			Current		COS		Phase 1		Phase 2		Phase 3		Total	Phase 3 vs COS				
			Revenue (\$)	Revenue (\$)	Increase (\$)	Difference (%)	Revenue (\$)	Increase (\$)	Difference (%)	Revenue (\$)	Increase (\$)	Difference (%)	Revenue (\$)	Increase (\$)	Difference (%)	Difference (%)	Difference (%)	
1	Residential Electric Service	Residential Rate Design	\$19,139,254	\$23,511,483	\$4,372,229	22.84%	\$19,837,216	\$697,962	3.65%	\$20,611,397	\$774,182	3.90%	\$21,415,117	\$803,720	3.90%	\$11,899	(8.92%)	
2	Commercial Lighting Service	Commercial Lighting	5,137,269	4,821,349	(315,920)	(6.15%)	\$5,269,985	\$132,716	2.58%	\$5,269,985	\$0	0.00%	\$5,269,985	\$0	0.00%	2,58%	9.31%	
3	General Power Service	General Power Service	13,019,416	13,249,216	229,801	1.77%	\$13,473,539	\$454,123	3.49%	\$13,588,475	\$114,936	0.85%	\$13,588,475	\$0	0.00%	4.37%	2.56%	
4	Large Power Service - Secondary	Large Power Service	5,752,108	6,119,415	367,308	6.39%	\$6,040,213	\$288,105	5.01%	\$6,272,959	\$232,746	3.85%	\$6,272,959	\$0	0.00%	9.05%	2.51%	
5	Large Power Services - Coincident Peak - Primary	Large Power COIN Primary	13,429,513	13,645,609	216,096	1.61%	\$13,886,959	\$457,446	3.41%	\$13,994,692	\$107,733	0.78%	\$13,994,692	\$0	0.00%	4.21%	2.56%	
6	Large Power Services - Coincident Peak - Secondary	Large Power COIN Secondary	10,352,869	11,256,380	903,511	8.73%	\$10,870,436	\$517,567	5.00%	\$11,413,982	\$543,546	5.00%	\$11,537,156	\$123,174	1.08%	11.44%	2.49%	
7	Industrial Service - Primary	Industrial Service Primary	7,727,796	7,847,936	120,139	1.55%	\$7,989,048	\$261,251	3.38%	\$8,049,549	\$60,502	0.76%	\$8,049,549	\$0	0.00%	4.16%	2.57%	
8	Industrial Service Coincident Peak - Primary	Industrial Service COIN Primary	4,671,040	4,476,172	(194,868)	(4.17%)	\$4,791,721	\$120,681	2.58%	\$4,791,662	(\$59)	(0.00%)	\$4,791,905	\$244	0.01%	2.59%	7.05%	
9	Electric Heating Schools	Electric Heating Schools	44,545	49,460	4,915	11.03%	\$46,503	\$1,958	4.40%	\$48,552	\$2,049	4.41%	\$50,689	\$2,137	4.40%	13.79%	2.48%	
10	General Electric Heating	General Electric Heating	332,878	352,986	20,108	6.04%	\$349,506	\$16,629	5.00%	\$361,838	\$12,332	3.53%	\$361,838	\$0	0.00%	8.70%	2.51%	
11	Outdoor Lighting Services	Lighting Service	262,733	388,272	125,539	47.78%	\$274,331	\$11,598	4.41%	\$286,380	\$12,048	4.39%	\$298,910	\$12,531	4.38%	13.77%	(23.02%)	
12	Street Light Services	Lighting Service	847,936	832,876	(15,060)	(1.78%)	\$890,175	\$42,239	4.98%	\$920,330	\$30,155	3.39%	\$920,330	\$0	0.00%	8.54%	10.50%	
13	Total		\$80,717,356	\$86,551,153	\$5,833,797	7.23%	\$83,719,631	\$3,002,275	3.72%	\$85,609,801	\$1,890,170	2.26%	\$86,551,606	\$941,805	1.10%	7.23%	0.00%	
14	Goal		\$86,551,153	\$86,551,153			\$86,551,153			\$86,551,153			\$86,551,153					
15	Difference (\$)		(\$5,833,797)	\$0			(\$2,831,522)			(\$941,352)			\$453					



Rate Design - Residential Electric Service

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	
Line No.	Item	Source Document	Units	Tier		Current			Phase 1 (2020)			Phase 2 (2021)			Phase 3 (2022)			COS			
						Rate	Billing Determinants	Revenue													
1	Base Rate																				
2	Facilities Charge	SD 35	\$/Meter/Month			\$10.00	191,369	\$1,913,690	\$10.75	191,369	\$2,057,217	\$11.50	191,369	\$2,200,744	\$12.25	191,369	\$2,344,270	\$15.26	191,369	\$2,920,289	
3	Energy Charge																				
4	Energy Charge Tier 1	SD 35, SD 45	\$/kWh	First	350	\$0.06492	63,279,307	\$4,108,093	\$0.10110	63,279,307	\$6,397,538	\$0.10151	63,279,307	\$6,423,166	\$0.10191	63,279,307	\$6,448,794	\$0.10969	63,279,307	\$6,941,278	
5	Energy Charge Tier 2	SD 35, SD 45	\$/kWh	Next	1,150	\$0.04909	96,452,377	\$4,734,847	\$0.09360	96,452,377	\$9,027,942	\$0.09760	96,452,377	\$9,413,752	\$0.10191	96,452,377	\$9,829,462	\$0.10969	96,452,377	\$10,580,121	
6	Energy Charge Tier 3	SD 35, SD 45	\$/kWh	Above	1,500	\$0.04563	27,985,411	\$1,276,974	\$0.08610	27,985,411	\$2,409,544	\$0.09401	27,985,411	\$2,630,908	\$0.10191	27,985,411	\$2,851,993	\$0.10969	27,985,411	\$3,069,795	
7	Subtotal Energy Charge		\$/kWh			\$0.05391	187,717,095	\$10,119,914	\$0.09501	187,717,095	\$17,835,024	\$0.09838	187,717,095	\$18,467,827	\$0.10191	187,717,095	\$19,130,249	\$0.10969	187,717,095	\$20,591,194	
8	Subtotal Base Rate							\$12,033,604			\$19,892,241			\$20,668,570			\$21,474,519			\$23,511,483	
9																					
10	Tracker 1		\$/kWh			\$0.00000	187,717,095	\$0	\$0.00000	187,717,095	\$0	\$0.00000	187,717,095	\$0	\$0.00000	187,717,095	\$0		187,717,095	\$0	
11	Tracker 2		\$/kWh			\$0.00000	187,717,095	\$0	\$0.00000	187,717,095	\$0	\$0.00000	187,717,095	\$0	\$0.00000	187,717,095	\$0		187,717,095	\$0	
12	Total Tracker		\$/kWh			\$0.00000	187,717,095	\$0		\$0.00000	187,717,095	\$0									
13	Subtotal							\$12,033,604			\$19,892,241			\$20,668,570			\$21,474,519			\$23,511,483	
14	Check																				
15	kWh ECA																				
16	Quarter 1	SD 35	\$/kWh			\$0.03933	57,262,832	\$2,252,376	\$0.00000	57,262,832	\$0	\$0.00000	57,262,832	\$0	\$0.00000	57,262,832	\$0		57,262,832	\$0	
17	Quarter 2	SD 35	\$/kWh			\$0.03650	37,363,984	\$1,363,785	\$0.00000	37,363,984	\$0	\$0.00000	37,363,984	\$0	\$0.00000	37,363,984	\$0		37,363,984	\$0	
18	Quarter 3	SD 35	\$/kWh			\$0.03436	47,999,419	\$1,649,212	\$0.00000	47,999,419	\$0	\$0.00000	47,999,419	\$0	\$0.00000	47,999,419	\$0		47,999,419	\$0	
19	Quarter 4	SD 35	\$/kWh			\$0.04199	45,090,860	\$1,893,365	\$0.00000	45,090,860	\$0	\$0.00000	45,090,860	\$0	\$0.00000	45,090,860	\$0		45,090,860	\$0	
20	kWh ECA Total					\$0.03814	187,717,095	\$7,158,739	\$0.00000	187,717,095	\$0	\$0.00000	187,717,095	\$0	\$0.00000	187,717,095	\$0		\$0.00000	187,717,095	\$0
21	Revenue Adjustment (to Audit)							-\$53,089			-\$55,025			-\$57,173			-\$59,402				
22	Total Rate Revenues							\$19,139,254			\$19,837,216			\$20,611,397			\$21,415,117			\$23,511,483	
23	Rate Design Target Revenues									\$19,837,837			\$20,611,512			\$21,415,361					
24	Difference from Target Revenues -\$									-\$621			-\$115			-\$244					
25	Difference from Target Revenues -%									0.00%			0.00%			0.00%					
26	Difference from Prior Phase Revenues -\$									\$697,962			\$774,182			\$803,720					
27	Difference from Prior Phase Revenues -%									3.65%			3.90%			3.90%					
28	Difference from Current Revenues -\$									\$697,962			\$1,472,144			\$2,275,864					
29	Difference from Current Revenues -%									3.65%			7.69%			11.89%					
30	Adjusted Audit Revenue		\$					19,139,254													
31	Audit Rev Diff to Calc		\$					(53,089)													
32	Audit Rev Diff to Calc							-0.28%													
33	Tier 3 and Tier 1 Energy Rate Difference								\$0.01500					\$0.00750							



Rate Design - Commercial Lighting Service

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Line No.	Item	Source Document	Units	Current			Phase 1 (2020)			Phase 2 (2021)			Phase 3 (2022)			COS		
				Rate	Billing Determinants	Revenue												
1	Base Rate																	
2	Facilities Charge	SD 35	\$/Meter/Month	\$17.50	48,489	\$848,558	\$20.75	48,489	\$1,006,147	\$20.75	48,489	\$1,006,147	\$20.75	48,489	\$1,006,147	\$20.33	48,489	\$985,992
3	Energy Charge	SD 35	\$/kWh	\$0.06046	35,289,149	\$2,133,582	\$0.12124	35,289,149	\$4,278,456	\$0.12124	35,289,149	\$4,278,456	\$0.12124	35,289,149	\$4,278,456	\$0.10868	35,289,149	\$3,835,357
4	Subtotal Base Rate					\$2,982,139			\$5,284,603			\$5,284,603			\$5,284,603			\$4,821,349
5	Tracker 1		\$/kWh	\$0.00000	35,289,149	\$0	\$0.00000	35,289,149	\$0	\$0.00000	35,289,149	\$0	\$0.00000	35,289,149	\$0	\$0.00000	35,289,149	\$0
6	Tracker 2		\$/kWh	\$0.00000	35,289,149	\$0	\$0.00000	35,289,149	\$0	\$0.00000	35,289,149	\$0	\$0.00000	35,289,149	\$0	\$0.00000	35,289,149	\$0
7	Total Tracker		\$/kWh	\$0.00000	35,289,149	\$0												
8	Subtotal					\$2,982,139			\$5,284,603			\$5,284,603			\$5,284,603			\$4,821,349
9	kWh ECA																	
10	Quarter 1	SD 35	\$/kWh	\$0.06381	10,457,515	\$667,284	\$0.00000	10,457,515	\$0	\$0.00000	10,457,515	\$0	\$0.00000	10,457,515	\$0		10,457,515	\$0
11	Quarter 2	SD 35	\$/kWh	\$0.05841	7,294,327	\$426,047	\$0.00000	7,294,327	\$0	\$0.00000	7,294,327	\$0	\$0.00000	7,294,327	\$0		7,294,327	\$0
12	Quarter 3	SD 35	\$/kWh	\$0.05429	8,895,494	\$482,892	\$0.00000	8,895,494	\$0	\$0.00000	8,895,494	\$0	\$0.00000	8,895,494	\$0		8,895,494	\$0
13	Quarter 4	SD 35	\$/kWh	\$0.06864	8,641,813	\$593,157	\$0.00000	8,641,813	\$0	\$0.00000	8,641,813	\$0	\$0.00000	8,641,813	\$0		8,641,813	\$0
14	kWh ECA Total			\$0.06147	35,289,149	\$2,169,379	\$0.00000	35,289,149	\$0									
15	Revenue Adjustment (to Audit)					-\$14,250			-\$14,618			-\$14,618			-\$14,618			
16	Total Rate Revenues					\$5,137,269			\$5,269,985			\$5,269,985			\$5,269,985			\$4,821,349
17	Rate Design Target Revenues								\$5,269,964			\$5,269,964			\$5,269,964			
18	Difference from Target Revenues -\$								\$21			\$21			\$21			
19	Difference from Target Revenues -%								0.00%			0.00%			0.00%			
20	Difference from Prior Phase Revenues -\$								\$132,716			\$0			\$0			
21	Difference from Prior Phase Revenues -%								2.58%			0.00%			0.00%			
22	Difference from Current Revenues -\$								\$132,716			\$132,716			\$132,716			
23	Difference from Current Revenues -%								2.58%			2.58%			2.58%			
24	Adjusted Audit Revenue		\$		5,137,269													
25	Audit Rev Diff to Calc		\$		(14,250)													
26	Audit Rev Diff to Calc				-0.28%													



Rate Design - General Power Service

Richmond Power and Light

Line No.	Item	Source Document	Units	Tier	Current			Phase 1 (2020)			Phase 2 (2021)			Phase 3 (2022)			COS		
					Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue
1	Base Rate																		
2	Facilities Charge	SD 35	\$/Meter/Month		\$20.00	10,543	\$210,860	\$46.50	10,543	\$490,250	\$73.00	10,543	\$769,639	\$73.00	10,543	\$769,639	\$71.25	10,543	\$751,219
3	Energy Charge																		
4	Energy Charge Tier 1	SD 35, SD 45	\$/kWh	First 500	\$0.07721	4,873,005	\$376,245	\$0.09946	4,873,005	\$484,669	\$0.07600	4,873,005	\$370,348	\$0.07600	4,873,005	\$370,348	\$0.02857	4,873,005	\$139,234
5	Energy Charge Tier 2	SD 35, SD 45	\$/kWh	Next 1,500	\$0.06046	12,180,069	\$736,407	\$0.09613	12,180,069	\$1,170,870	\$0.07600	12,180,069	\$925,685	\$0.07600	12,180,069	\$925,685	\$0.02857	12,180,069	\$348,016
6	Energy Charge Tier 3	SD 35, SD 45	\$/kWh	Next 3,000	\$0.05576	17,531,051	\$977,531	\$0.09279	17,531,051	\$1,626,706	\$0.07600	17,531,051	\$1,332,360	\$0.07600	17,531,051	\$1,332,360	\$0.02857	17,531,051	\$500,907
7	Energy Charge Tier 4	SD 35, SD 45	\$/kWh	Above 5,000	\$0.05055	98,076,345	\$4,957,759	\$0.08946	98,076,345	\$8,773,910	\$0.07600	98,076,345	\$7,453,802	\$0.07600	98,076,345	\$7,453,802	\$0.02857	98,076,345	\$2,802,294
8	Subtotal Energy Charge		\$/kWh		\$0.05313	132,660,470	\$7,047,942	\$0.09088	132,660,470	\$12,056,155	\$0.07600	132,660,470	\$10,082,196	\$0.07600	132,660,470	\$10,082,196	\$0.02857	132,660,470	\$3,790,451
9	Demand Charge																		
10	Demand Charge Tier 1	SD 35, SD 45	\$/kW	First 25	\$0.00	163,478	\$0	\$1.40	163,478	\$228,870	\$6.50	163,478	\$1,062,610	\$6.50	163,478	\$1,062,610	\$20.38	163,478	\$3,331,808
11	Demand Charge Tier 2	SD 35, SD 45	\$/kW	Above 25	\$2.80	263,766	\$738,544	\$2.80	263,766	\$738,544	\$6.50	263,766	\$1,714,478	\$6.50	263,766	\$1,714,478	\$20.38	263,766	\$5,375,738
12	Substation Primary Discount				\$0.39	43,782	\$17,075	\$0.47	43,782	\$20,577	\$0.47	43,782	\$20,577	\$0.47	43,782	\$20,577			
13	Subtotal Demand Charge				\$1.69	427,244	\$721,470	\$2.22	427,244	\$946,837	\$6.45	427,244	\$2,756,511	\$6.45	427,244	\$2,756,511	\$20.38	427,244	\$8,707,546
14	Subtotal Base Rate						\$7,980,272		\$13,493,242			\$13,608,346		\$13,608,346				\$13,249,216	
15	Tracker 1		\$/kWh		\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0
16	Tracker 2		\$/kWh		\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0
17	Total Tracker		\$/kWh		\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0
18	Subtotal						\$7,980,272		\$13,493,242			\$13,608,346		\$13,608,346				\$13,249,216	
19	kWh ECA																		
20	Quarter 1	SD 35	\$/kWh		\$0.03981	32,467,955	\$1,292,614	\$0.00000	32,467,955	\$0	\$0.00000	32,467,955	\$0	\$0.00000	32,467,955	\$0		32,467,955	\$0
21	Quarter 2	SD 35	\$/kWh		\$0.03651	31,245,657	\$1,140,810	\$0.00000	31,245,657	\$0	\$0.00000	31,245,657	\$0	\$0.00000	31,245,657	\$0		31,245,657	\$0
22	Quarter 3	SD 35	\$/kWh		\$0.03489	36,532,446	\$1,274,471	\$0.00000	36,532,446	\$0	\$0.00000	36,532,446	\$0	\$0.00000	36,532,446	\$0		36,532,446	\$0
23	Quarter 4	SD 35	\$/kWh		\$0.04166	32,414,412	\$1,350,287	\$0.00000	32,414,412	\$0	\$0.00000	32,414,412	\$0	\$0.00000	32,414,412	\$0		32,414,412	\$0
24	kWh ECA Total				\$0.03813	132,660,470	\$5,058,182	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0	\$0.00000	132,660,470	\$0
25	Revenue Adjustment (to Audit)						-\$19,039		-\$19,703			-\$19,871		-\$19,871					
26	Total Rate Revenues						\$13,019,416		\$13,473,539			\$13,588,475		\$13,588,475				\$13,249,216	
27	Rate Design Target Revenues								\$13,473,539			\$13,588,461		\$13,588,461					
28	Difference from Target Revenues -\$								\$481			\$14		\$14					
29	Difference from Target Revenues -%								0.00%			0.00%		0.00%					
30	Difference from Prior Phase Revenues -\$								\$454,123			\$114,936		\$0					
31	Difference from Prior Phase Revenues -%								3.49%			0.85%		0.00%					
32	Difference from Current Revenues -\$								\$454,123			\$569,059		\$569,059					
33	Difference from Current Revenues -%								3.49%			4.37%		4.37%					
34	Adjusted Audit Revenue		\$				\$13,019,416												
35	Audit Rev Diff to Calc		\$				-\$19,039												
36	Audit Rev Diff to Calc						-0.15%												
37	T&D COS						\$2,122,471												
38	Transformers/Drops						\$202,155												
39	Transformers/Drops % of T&D						9.5%												
40	Tier 4 and Tier 1 Energy Rate Difference								\$0.01000										



Rate Design - Large Power Service - Secondary

Richmond Power and Light

Line No.	Item	Source Document	Units	Discount	Current			Phase 1 (2020)			Phase 2 (2021)			Phase 3 (2022)			COS		
					Rate	Determinants	Revenue	Rate	Determinants	Revenue	Rate	Determinants	Revenue	Rate	Determinants	Revenue	Rate	Determinants	Revenue
1	Base Rate																		
2	Facilities Charge	SD 35	\$/Meter/Month		\$0.00	646	\$0	\$195.25	646	\$126,132	\$195.25	646	\$126,132	\$195.25	646	\$126,132	\$190.35	646	\$122,963
3	Energy Charge	SD 35	\$/kWh		\$0.02919	42,271,832	\$1,233,915	\$0.03757	42,271,832	\$1,588,153	\$0.03515	42,271,832	\$1,485,855	\$0.03515	42,271,832	\$1,485,855	\$0.02857	42,271,832	\$1,207,815
4	Energy Charge	SD 35, SD 45	\$/kWh	Primary Discount 2%	\$0.02919	22,265,845	\$649,940	\$0.03757	22,265,845	\$836,528	\$0.03515	22,265,845	\$782,644	\$0.03515	22,265,845	\$782,644	\$0.02857	22,265,845	\$636,192
5	Total Energy Charge				\$0.02919	64,537,677	\$1,883,855	\$0.03757	64,537,677	\$2,424,681	\$0.03515	64,537,677	\$2,268,499	\$0.03515	64,537,677	\$2,268,499	\$0.02857	64,537,677	\$1,844,007
6	Demand Charge	SD 35	\$/KVA		\$7.77	108,706	\$844,642	\$22.50	108,706	\$2,445,875	\$25.00	108,706	\$2,717,639	\$25.00	108,706	\$2,717,639	\$26.65	108,706	\$2,896,723
7	Demand Charge	SD 35, SD 45	\$/KVA	Primary Discount 2%	\$7.77	47,124	\$366,150	\$22.50	47,124	\$1,060,281	\$25.00	47,124	\$1,178,090	\$25.00	47,124	\$1,178,090	\$26.65	47,124	\$1,255,722
8	Total Demand Charge				\$7.77	155,829	\$1,210,792	\$22.50	155,829	\$3,506,155	\$25.00	155,829	\$3,895,728	\$25.00	155,829	\$3,895,728	\$26.65	155,829	\$4,152,445
9	Subtotal Base Rate					\$3,094,647			\$6,056,967			\$6,290,359			\$6,290,359			\$6,119,415	
10	Tracker 1		\$/kWh		\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0
11	Tracker 2		\$/kWh		\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0
12	Total Tracker		\$/kWh		\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0	\$0.00000	64,537,677	\$0
13	Subtotal					\$3,094,647			\$6,056,967			\$6,290,359			\$6,290,359			\$6,119,415	
14	KWh ECA																		
15	Quarter 1	SD 35	\$/kWh		\$0.01108	16,961,583	\$187,934	\$0.00000	16,961,583	\$0	\$0.00000	16,961,583	\$0	\$0.00000	16,961,583	\$0		16,961,583	\$0
16	Quarter 2	SD 35	\$/kWh		\$0.01128	14,915,799	\$168,191	\$0.00000	14,915,799	\$0	\$0.00000	14,915,799	\$0	\$0.00000	14,915,799	\$0		14,915,799	\$0
17	Quarter 3	SD 35	\$/kWh		\$0.01126	16,498,750	\$185,710	\$0.00000	16,498,750	\$0	\$0.00000	16,498,750	\$0	\$0.00000	16,498,750	\$0		16,498,750	\$0
18	Quarter 4	SD 35	\$/kWh		\$0.01108	16,161,545	\$179,118	\$0.00000	16,161,545	\$0	\$0.00000	16,161,545	\$0	\$0.00000	16,161,545	\$0		16,161,545	\$0
19	KWh ECA Total				\$0.01117	64,537,677	\$720,953	\$0.00000	64,537,677	\$0									
20	KVA ECA																		
21	Quarter 1	SD 35	\$/KVA		\$12.59	40,833	\$514,046	\$0.00	40,833	\$0	\$0.00	40,833	\$0	\$0.00	40,833	\$0		40,833	\$0
22	Quarter 2	SD 35	\$/KVA		\$12.30	37,415	\$460,190	\$0.00	37,415	\$0	\$0.00	37,415	\$0	\$0.00	37,415	\$0		37,415	\$0
23	Quarter 3	SD 35	\$/KVA		\$12.27	38,774	\$475,903	\$0.00	38,774	\$0	\$0.00	38,774	\$0	\$0.00	38,774	\$0		38,774	\$0
24	Quarter 4	SD 35	\$/KVA		\$12.94	38,808	\$502,324	\$0.00	38,808	\$0	\$0.00	38,808	\$0	\$0.00	38,808	\$0		38,808	\$0
25	KVA ECA Total				\$12.52951	155,829	\$1,952,463	\$0.00000	155,829	\$0									
26	Revenue Adjustment (to Audit)						-\$15,955			-\$16,755			-\$17,400						
27	Total Rate Revenues					\$5,752,108			\$6,040,213			\$6,272,959			\$6,272,959			\$6,119,415	
28	Rate Design Target Revenues								\$6,039,713			\$6,272,662			\$6,272,662				
29	Difference from Target Revenues -\$								\$500			\$297			\$297				
30	Difference from Target Revenues -%								0.01%			0.00%			0.00%				
31	Difference from Prior Phase Revenues -\$								\$288,105			\$232,746			\$0				
32	Difference from Prior Phase Revenues -%								5.01%			3.85%			0.00%				
33	Difference from Current Revenues -\$								\$288,105			\$520,851			\$520,851				
34	Difference from Current Revenues -%								5.01%			9.05%			9.05%				
35	Adjusted Audit Revenue		\$																
36	Audit Rev Diff to Calc		\$																
37	Audit Rev Diff to Calc																		



Rate Design - Large Power Services - Coincident Peak - Secondary

Richmond Power and Light

Line No.	Item	Source Document	Units	Discount	Current			Phase 1 (2020)			Phase 2 (2021)			Phase 3 (2022)			COS		
					Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue
1	Base Rate																		
2	Facilities Charge	SD 35	\$/Meter/Month		\$0.00	578	\$0	\$195.25	578	\$112,855	\$195.25	578	\$112,855	\$195.25	578	\$112,855	\$190.35	578	\$110,020
3	Energy Charge	SD 35	\$/kWh		\$0.02437	58,937,716	\$1,436,312	\$0.03441	58,937,716	\$2,028,047	\$0.03317	58,937,716	\$1,954,964	\$0.02870	58,937,716	\$1,691,512	\$0.02857	58,937,716	\$1,684,002
4	Energy Charge	SD 35, SD 45	\$/kWh	Primary Discount 2%	\$0.02437	68,545,785	\$1,670,461	\$0.03441	68,545,785	\$2,358,660	\$0.03317	68,545,785	\$2,273,664	\$0.02870	68,545,785	\$1,967,264	\$0.02857	68,545,785	\$1,958,529
5	Total Energy Charge				\$0.02437	127,483,501	\$3,106,773	\$0.03441	127,483,501	\$4,386,707	\$0.03317	127,483,501	\$4,228,628	\$0.02870	127,483,501	\$3,658,776	\$0.02857	127,483,501	\$3,642,532
6	IMPA Demand Charge	SD 35	\$/KW		\$7.77	106,031	\$823,864	\$23.81	106,031	\$2,524,607	\$25.37	106,031	\$2,689,996	\$26.90	106,031	\$2,852,244	\$26.90	100,935	\$2,714,816
7	IMPA Demand Charge	SD 35, SD 45	\$/KW	Primary Discount 2%	\$7.77	119,750	\$930,461	\$23.81	119,750	\$2,851,258	\$25.37	119,750	\$3,038,046	\$26.90	119,750	\$3,221,287	\$26.90	113,995	\$3,066,077
8	IMPA Total Demand Charge				\$7.77	225,782	\$1,754,325	\$23.81	225,782	\$5,375,865	\$25.37	225,782	\$5,728,042	\$26.90	225,782	\$6,073,531	\$26.90	214,930	\$5,780,893
9	Transmission and Distribution Charge	SD 35			\$2.50	143,106	\$357,764	\$3.33	143,106	\$476,542	\$4.47	143,106	\$639,682	\$5.60	143,106	\$801,392			
10	Transmission and Distribution Charge	SD 35, SD 45		Primary Discount 2%	\$2.50	164,751	\$411,877	\$3.33	164,751	\$548,630	\$4.47	164,751	\$736,436	\$5.60	164,751	\$922,604			
11	Total Transmission and Distribution Charge	SD 35	\$/KVA	Minimum 100	\$2.50	307,856	\$769,641	\$3.33	307,856	\$1,025,162	\$4.47	307,856	\$1,376,118	\$5.60	307,856	\$1,723,996	\$5.60	307,856	\$1,722,935
12	Subtotal Base Rate					\$5,630,739			\$10,900,589			\$11,445,643			\$11,569,158			\$11,256,380	
13	Tracker 1		\$/kWh		\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0
14	Tracker 2		\$/kWh		\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0
15	Total Tracker		\$/kWh		\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0
16	Subtotal					\$5,630,739			\$10,900,589			\$11,445,643			\$11,569,158			\$11,256,380	
17	kWh ECA																		
18	Quarter 1	SD 35	\$/kWh		\$0.01108	29,983,034	\$332,212		29,983,034	\$0		29,983,034	\$0		29,983,034	\$0		29,983,034	\$0
19	Quarter 2	SD 35	\$/kWh		\$0.01128	31,578,420	\$356,078		31,578,420	\$0		31,578,420	\$0		31,578,420	\$0		31,578,420	\$0
20	Quarter 3	SD 35	\$/kWh		\$0.01126	35,118,100	\$395,289		35,118,100	\$0		35,118,100	\$0		35,118,100	\$0		35,118,100	\$0
21	Quarter 4	SD 35	\$/kWh		\$0.01108	30,803,947	\$341,400		30,803,947	\$0		30,803,947	\$0		30,803,947	\$0		30,803,947	\$0
22	kWh ECA Total				\$0.01118	127,483,501	\$1,424,980	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0	\$0.00000	127,483,501	\$0
23	KW ECA																		
24	Quarter 1	SD 35	\$/KW		\$14.82	49,015	\$726,484		49,015	\$0		49,015	\$0		49,015	\$0		49,015	\$0
25	Quarter 2	SD 35	\$/KW		\$14.48	58,171	\$842,375		58,171	\$0		58,171	\$0		58,171	\$0		58,171	\$0
26	Quarter 3	SD 35	\$/KW		\$14.45	63,782	\$921,679		63,782	\$0		63,782	\$0		63,782	\$0		63,782	\$0
27	Quarter 4	SD 35	\$/KW		\$15.24	54,814	\$835,330		54,814	\$0		54,814	\$0		54,814	\$0		54,814	\$0
28	KVA ECA Total				\$14.73	225,782	\$3,325,868	\$0.00	225,782	\$0	\$0.00	225,782	\$0	\$0.00	225,782	\$0	\$0.00	225,782	\$0
29	EDR Credit (passed-through from IMPA)						\$0		\$0			\$0			\$0			\$0	\$0
30	Revenue Adjustment (to Audit)						-\$28,717		-\$30,153			-\$31,661			-\$32,002				
31	Total Rate Revenues					\$10,352,869			\$10,870,436			\$11,413,982			\$11,537,156			\$11,256,380	
32	Rate Design Target Revenues								\$10,870,513			\$11,414,038			\$11,536,797				
33	Difference from Target Revenues - \$								-\$76			-\$56			-\$359				
34	Difference from Target Revenues - %								0.00%			0.00%			0.00%				
35	Difference from Prior Phase Revenues - \$								\$517,567			\$543,546			\$123,174				
36	Difference from Prior Phase Revenues - %								5.00%			5.00%			1.08%				
37	Difference from Current Revenues - \$								\$517,567			\$1,061,113			\$1,184,287				
38	Difference from Current Revenues - %								5.00%			10.25%			11.44%				
39	Large Power COIN Total Difference - \$								\$91			-\$635			-\$220				
40	Adjusted Audit Revenue					\$10,352,869													
41	Audit Rev Diff to Calc					\$ (28,717)													
42	Audit Rev Diff to Calc					0.28%													
43	CP					\$25.55													
44	Loss Adj					5.01%													
45	At Secondary					\$26.90													
46	Incremental Phase Demand Rate Increase - \$/kW					\$1.56													



Rate Design - Large Power Services - Coincident Peak - Primary

Richmond Power and Light

Line No.	Item	Source Document	Units	Current			Phase 1 (2020)			Phase 2 (2021)			Phase 3 (2022)			COS		
				Billing		Revenue	Billing		Revenue	Billing		Revenue	Billing		Revenue	Billing		Revenue
				Rate	Determinants		Rate	Determinants		Rate	Determinants		Rate	Determinants		Rate	Determinants	
1	Base Rate			\$0.00	262	\$0	\$195.25	262	\$51,156	\$195.25	262	\$51,156	\$195.25	262	\$51,156	\$190.35	262	\$49,871
2	Facilities Charge	SD 35	\$/Meter/Month	\$0.00	262	\$0	\$195.25	262	\$51,156	\$195.25	262	\$51,156	\$195.25	262	\$51,156	\$190.35	262	\$49,871
3	Energy Charge	SD 35	\$/KWH	\$0.02437	175,700,350	\$4,281,818	\$0.02273	175,700,350	\$5,750,672	\$0.02897	175,700,350	\$5,090,039	\$0.02897	175,700,350	\$5,090,039	\$0.02761	175,700,350	\$4,851,338
4	Demand Charge (Customer Owns Substation)	SD 35	\$/KW	\$7.77	285,940	\$2,221,756	\$24.43	285,940	\$6,985,520	\$26.34	285,940	\$7,531,666	\$26.34	285,940	\$7,531,666	\$26.34	281,366	\$7,411,714
5	Demand Charge-Substation Discount	SD 35	\$/KVA	\$0.35	364,785	\$127,675	\$0.00	364,785	\$0	\$0.00	364,785	\$0	\$0.00	364,785	\$0	\$0.00	364,785	\$0
6	Demand Charge Total					\$2,094,081		\$6,985,520			\$7,531,666			\$7,531,666			\$7,411,714	
7	T&D Charge Customer owns substation	SD 35, SD 45	\$/KVA Minimum 100	\$2.50	364,785	\$911,964	\$3.12	364,785	\$1,138,131	\$3.73	364,785	\$1,360,650	\$3.73	364,785	\$1,360,650	\$3.73	357,288	\$1,332,686
8	Subtotal Base Rate					\$7,287,862		\$13,925,479			\$14,033,511			\$14,033,511			\$13,645,609	
9	Tracker 1		\$/kWh	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0
10	Tracker 2		\$/kWh	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0
11	Total Tracker		\$/kWh	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0
12	Subtotal					\$7,287,862		\$13,925,479			\$14,033,511			\$14,033,511			\$13,645,609	
13	KWh ECA																	
14	Quarter 1	SD 35	\$/kWh	\$0.01108	44,224,950	\$490,012	\$0.00	44,224,950	\$0		44,224,950	\$0		44,224,950	\$0	\$0.00000	44,224,950	\$0
15	Quarter 2	SD 35	\$/kWh	\$0.01128	44,829,750	\$505,500	\$0.00	44,829,750	\$0		44,829,750	\$0		44,829,750	\$0	\$0.00000	44,829,750	\$0
16	Quarter 3	SD 35	\$/kWh	\$0.01126	44,138,150	\$496,819	\$0.00	44,138,150	\$0		44,138,150	\$0		44,138,150	\$0	\$0.00000	44,138,150	\$0
17	Quarter 4	SD 35	\$/kWh	\$0.01108	42,507,500	\$471,111	\$0.00	42,507,500	\$0		42,507,500	\$0		42,507,500	\$0	\$0.00000	42,507,500	\$0
18	KWh ECA Total			\$0.01117	175,700,350	\$1,963,442	\$0.00	175,700,350	\$0	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0	\$0.00000	175,700,350	\$0
19	KW ECA																	
20	Quarter 1	SD 35	\$/KW	\$14.82	70,375	\$1,043,079	\$0.00	70,375	\$0		70,375	\$0		70,375	\$0	\$0.00	70,375	\$0
21	Quarter 2	SD 35	\$/KW	\$14.48	71,415	\$1,034,165	\$0.00	71,415	\$0		71,415	\$0		71,415	\$0	\$0.00	71,415	\$0
22	Quarter 3	SD 35	\$/KW	\$14.45	74,198	\$1,072,202	\$0.00	74,198	\$0		74,198	\$0		74,198	\$0	\$0.00	74,198	\$0
23	Quarter 4	SD 35	\$/KW	\$15.24	69,952	\$1,066,014	\$0.00	69,952	\$0		69,952	\$0		69,952	\$0	\$0.00	69,952	\$0
24	KVA ECA Total			\$14.74	285,940	\$4,215,460	\$0.00	285,940	\$0	\$0.00	285,940	\$0	\$0.00	285,940	\$0	\$0.00	285,940	\$0
25	Revenue Adjustment (to Audit)					-\$37,251		-\$38,520			-\$38,819			-\$38,819				
26	Total Rate Revenues					\$13,429,513		\$13,886,959			\$13,994,692			\$13,994,692			\$13,645,609	
27	Rate Design Target Revenues							\$13,886,792			\$13,995,271			\$13,995,271				
28	Difference from Target Revenues -\$							\$167			-\$79			-\$79				
29	Difference from Target Revenues -%							0.00%			0.00%			0.00%				
30	Difference from Prior Phase Revenues -\$							\$457,446			\$107,733			\$0				
31	Difference from Prior Phase Revenues -%							3.41%			0.78%			0.00%				
32	Difference from Current Revenues -\$							\$457,446			\$565,179			\$565,179				
33	Difference from Current Revenues -%							3.41%			4.21%			4.21%				
34	Adjusted Audit Revenue					\$ 13,429,513												
35	Audit Rev Diff to Calc					\$ (37,251)												
36	Audit Rev Diff to Calc					-\$0.28%												
37	CP					\$25.55												
38	Loss Adj					3.01%												
39	At Secondary					\$26.34												



Rate Design - Industrial Service - Primary

Richmond Power and Light

Line No.	Item	Source Document	Units	Current Billing Rate	Determinants	Revenue	Phase 1 (2020) Billing Rate	Determinants	Revenue	Phase 2 (2021) Billing Rate	Determinants	Revenue	Phase 3 (2022) Billing Rate	Determinants	Revenue	COS Billing Rate	Determinants	Revenue	
1	Base Rate																		
2	Facilities Charge	SD 35	\$/Meter/Month	\$0.00	48	\$0	\$195.25	48	\$9,372	\$195.25	48	\$9,372	\$195.25	48	\$9,372	\$190.35	48	\$9,137	
3	Energy Charge	SD 35	\$/kWh	\$0.02437	109,051,650	\$2,657,589	\$0.03550	109,051,650	\$3,871,334	\$0.03371	109,051,650	\$3,676,131	\$0.03371	109,051,650	\$3,676,131	\$0.02761	109,051,650	\$3,011,072	
4	Demand Charge	SD 35, SD 45	\$/KVA Minimum 1000	\$8.67	182,766	\$1,584,578	\$22.60	182,766	\$4,130,502	\$24.00	182,766	\$4,386,374	\$24.00	182,766	\$4,386,374	\$26.41	182,766	\$4,827,727	
5	Subtotal Base Rate					\$4,242,166			\$8,011,208			\$8,071,877			\$8,071,877			\$7,847,936	
6	Tracker 1		\$/kWh	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	
7	Tracker 2		\$/kWh	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	
8	Total Tracker		\$/kWh	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	
9	Subtotal					\$4,242,166			\$8,011,208			\$8,071,877			\$8,071,877			\$7,847,936	
10	kWh ECA																		
11	Quarter 1	SD 35	\$/kWh	\$0.01108	26,171,850	\$289,984	\$0.00000	26,171,850	\$0		26,171,850	\$0		26,171,850	\$0		26,171,850	\$0	
12	Quarter 2	SD 35	\$/kWh	\$0.01128	27,383,250	\$308,774	\$0.00000	27,383,250	\$0		27,383,250	\$0		27,383,250	\$0		27,383,250	\$0	
13	Quarter 3	SD 35	\$/kWh	\$0.01126	27,945,350	\$314,553	\$0.00000	27,945,350	\$0		27,945,350	\$0		27,945,350	\$0		27,945,350	\$0	
14	Quarter 4	SD 35	\$/kWh	\$0.01108	27,551,200	\$305,350	\$0.00000	27,551,200	\$0		27,551,200	\$0		27,551,200	\$0		27,551,200	\$0	
15	kWh ECA Total			\$0.01118	109,051,650	\$1,218,660	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	\$0.00000	109,051,650	\$0	
16	KVA ECA																		
17	Quarter 1	SD 35	\$/KVA	\$12.59	43,947	\$553,258	\$0.00	43,947	\$0		43,947	\$0		43,947	\$0		43,947	\$0	
18	Quarter 2	SD 35	\$/KVA	\$12.30	45,350	\$557,799	\$0.00	45,350	\$0		45,350	\$0		45,350	\$0		45,350	\$0	
19	Quarter 3	SD 35	\$/KVA	\$12.27	48,479	\$595,020	\$0.00	48,479	\$0		48,479	\$0		48,479	\$0		48,479	\$0	
20	Quarter 4	SD 35	\$/KVA	\$12.94	44,989	\$582,329	\$0.00	44,989	\$0		44,989	\$0		44,989	\$0		44,989	\$0	
21	KVA ECA Total			\$12.52	182,766	\$2,288,405	\$0.00	182,766	\$0	\$0.00	182,766	\$0	\$0.00	182,766	\$0	\$0.00	182,766	\$0	
22	Revenue Adjustment (to Audit)					-\$21,436			-\$22,160			-\$22,328			-\$22,328				
23	Total Rate Revenues					\$7,727,796			\$7,989,048			\$8,049,549			\$8,049,549			\$7,847,936	
24	Rate Design Target Revenues								\$7,988,788			\$8,049,089			\$8,049,089				
25	Difference from Target Revenues -\$								\$260			\$460			\$460				
26	Difference from Target Revenues -%								0.00%			0.01%			0.01%				
27	Difference from Prior Phase Revenues -\$								\$261,251			\$60,502			\$0				
28	Difference from Prior Phase Revenues -%								3.38%			0.76%			0.00%				
29	Difference from Current Revenues -\$								\$261,251			\$321,753			\$321,753				
30	Difference from Current Revenues -%								3.38%			4.16%			4.16%				
31	Industrial Primary Total Difference								\$288.06			\$430			\$673				
32	Adjusted Audit Revenue			\$	7,727,796														
33	Audit Rev Diff to Calc			\$	(21,436)														
34	Audit Rev Diff to Calc				-0.28%														



Rate Design - Industrial Service - Coincident Peak - Primary

Richmond Power and Light

Line No.	Item	Source Document	Units	Current			Phase 1 (2020)			Phase 2 (2021)			Phase 3 (2022)			COS		
				Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue
1	Base Rate																	
2	Facilities Charge	SD 35	\$/Meter/Month	\$0.00	48	\$0	\$195.25	48	\$9,372	\$195.25	48	\$9,372	\$195.25	48	\$9,372	\$190.35	48	\$9,137
3	Energy Charge	SD 35	\$/kWh	\$0.02437	55,651,050	\$1,356,216	\$0.03215	55,651,050	\$1,789,181	\$0.02635	55,651,050	\$1,466,405	\$0.02448	55,651,050	\$1,362,338	\$0.02761	55,651,050	\$1,536,605
4	Demand Charge	SD 35	\$/KW	\$7.47	108,659	\$811,686	\$24.13	108,659	\$2,621,953	\$26.24	108,659	\$2,851,224	\$26.34	108,659	\$2,862,090	\$26.34	93,004	\$2,449,903
5	Transmission and Distribution Charge	SD 35, SD 45	\$/KVA Minimum 1000	\$1.90	153,190	\$291,060	\$2.51	153,190	\$384,506	\$3.12	153,190	\$477,952	\$3.73	153,190	\$571,398	\$3.73	128,828	\$480,527
6	Subtotal Base Rate					\$2,458,963			\$4,805,012			\$4,804,953			\$4,805,197			\$4,476,172
7	Tracker 1		\$/kWh	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0
8	Tracker 2		\$/kWh	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0
9	Total Tracker		\$/kWh	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0	\$0.00000	55,651,050	\$0
10	Subtotal					\$2,458,963			\$4,805,012			\$4,804,953			\$4,805,197			\$4,476,172
11	kWh ECA																	
12	Quarter 1	SD 35	\$/kWh	\$0.01108	13,567,050	\$150,323	\$0.00	13,567,050	\$0		13,567,050	\$0		13,567,050	\$0		13,567,050	\$0
13	Quarter 2	SD 35	\$/kWh	\$0.01128	13,647,200	\$153,886	\$0.00	13,647,200	\$0		13,647,200	\$0		13,647,200	\$0		13,647,200	\$0
14	Quarter 3	SD 35	\$/kWh	\$0.01126	14,911,050	\$167,839	\$0.00	14,911,050	\$0		14,911,050	\$0		14,911,050	\$0		14,911,050	\$0
15	Quarter 4	SD 35	\$/kWh	\$0.01108	13,525,750	\$149,906	\$0.00	13,525,750	\$0		13,525,750	\$0		13,525,750	\$0		13,525,750	\$0
16	kWh ECA Total			\$0.01118	55,651,050	\$621,953	\$0.00	55,651,050	\$0	\$0.00	55,651,050	\$0	\$0.00	55,651,050	\$0	\$0.00	55,651,050	\$0
17	KW ECA																	
18	Quarter 1	SD 35	\$/KW	\$14.82	27,477	\$407,254	\$0.00	27,477	\$0		27,477	\$0		27,477	\$0		27,477	\$0
19	Quarter 2	SD 35	\$/KW	\$14.48	25,475	\$368,903	\$0.00	25,475	\$0		25,475	\$0		25,475	\$0		25,475	\$0
20	Quarter 3	SD 35	\$/KW	\$14.45	27,918	\$403,428	\$0.00	27,918	\$0		27,918	\$0		27,918	\$0		27,918	\$0
21	Quarter 4	SD 35	\$/KW	\$15.24	27,790	\$423,496	\$0.00	27,790	\$0		27,790	\$0		27,790	\$0		27,790	\$0
22	KW ECA Total			\$14.75	108,659	\$1,603,081	\$0.00	108,659	\$0	\$0.00	108,659	\$0	\$0.00	108,659	\$0	\$0.00	108,659	\$0
23	Revenue Adjustment (to Audit)					-\$12,957			-\$13,291			-\$13,291			-\$13,292			
24	Total Rate Revenues					\$4,671,040			\$4,791,721			\$4,791,662			\$4,791,905			\$4,476,172
25	Rate Design Target Revenues								\$4,791,692			\$4,791,692			\$4,791,692			
26	Difference from Target Revenues -\$								\$28			-\$30			\$213			
27	Difference from Target Revenues -%								0.00%			0.00%			0.00%			
28	Difference from Prior Phase Revenues -\$								\$120,681			-\$59			\$244			
29	Difference from Prior Phase Revenues -%								2.58%			0.00%			0.01%			
30	Difference from Current Revenues -\$								\$120,681			\$120,622			\$120,865			
31	Difference from Current Revenues -%								2.58%			2.58%			2.59%			
32	Adjusted Audit Revenue		\$	4,671,040														
33	Audit Rev Diff to Calc		\$	(12,957)														
34	Audit Rev Diff to Calc			-0.28%														
35	CP			\$25.55														
36	Loss Adj			3.01%														
37	At Secondary			\$26.34														



Rate Design - Electric Heating Schools

Richmond Power and Light

Line No.	Item	Units	Rate	Determinants	Revenue	Phase 1 (2020)	Phase 2 (2021)	Phase 3 (2022)	COS
1	Base Rate								
2	Facilities Charge	\$/Meter/Month	\$0.00	24	\$1.752	\$1.168	\$1.168	\$1.752	\$1.710
3	Energy Charge	\$/kWh	\$0.05349	486,928	\$26,046	\$46,049	\$47,519	\$49,077	\$47,750
4	Subtotal Base Rate				\$26,046	\$46,632	\$48,687	\$50,829	\$49,460
5	Tracker 1	\$/kWh	\$0.00000	486,928	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
6	Tracker 2	\$/kWh	\$0.00000	486,928	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
7	Total Tracker	\$/kWh	\$0.00000	486,928	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
8	Subtotal				\$26,046	\$46,632	\$48,687	\$50,829	\$49,460
9	kWh ECA								
10	Quarter 1	\$/kWh	\$0.03981	161,760	\$6,440	\$6,440	\$6,440	\$6,440	\$6,440
11	Quarter 2	\$/kWh	\$0.03651	99,392	\$3,629	\$3,629	\$3,629	\$3,629	\$3,629
12	Quarter 3	\$/kWh	\$0.03489	125,728	\$4,386	\$4,386	\$4,386	\$4,386	\$4,386
13	Quarter 4	\$/kWh	\$0.04166	100,048	\$4,168	\$4,168	\$4,168	\$4,168	\$4,168
14	kWh ECA Total		\$0.03825	486,928	\$18,623	\$18,623	\$18,623	\$18,623	\$18,623
15	Revenue Adjustment (to Audit)				-\$124	-\$129	-\$135	-\$141	
16	Total Rate Revenues				\$44,545	\$46,503	\$48,551	\$50,689	\$49,460
17	Rate Design Target Revenues				\$46,505	\$48,551	\$50,687		
18	Difference from Target Revenues -\$				-\$2	\$1	\$1		
19	Difference from Target Revenues -%				0.00%	0.00%	0.00%		
20	Difference from Prior Phase Revenues -\$				\$1,958	\$2,049	\$2,137		
21	Difference from Prior Phase Revenues -%				4.40%	4.1%	4.40%		
22	Difference from Current Revenues -\$				\$1,958	\$4,007	\$6,144		
23	Difference from Current Revenues -%				4.40%	9.00%	13.79%		
24	Adjusted Audit Revenue		\$	44,545					
25	Audit Rev Diff to Calc (124)		\$						
26	Audit Rev Diff to Calc								-0.28%



Rate Design - General Electric Heating

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
Line No.	Item	Source Document	Units	Tier	Current			Phase 1 (2020)			Phase 2 (2021)			Phase 3 (2022)			COS			
					Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	
1	Base Rate																			
2	Facilities Charge	SD 35	\$/Meter/Month			\$0.00	342	\$0	\$25.75	342	\$8,807	\$51.50	342	\$17,613	\$51.50	342	\$17,613	\$49.83	342	\$17,042
3	Energy Charge																			
4	Energy Charge Tier 1	SD 35, SD 45	\$/Meter/Month	First	170	\$16.40	342	\$5,609	\$0.13008	57,795	\$7,518	\$0.09993	57,795	\$5,775	\$0.09993	57,795	\$5,775	\$0.02857	57,795	\$1,651
5	Energy Charge Tier 2	SD 35, SD 45	\$/kWh	Next	30	\$0.09878	10,020	\$990	\$0.13008	10,020	\$1,303	\$0.09993	10,020	\$1,001	\$0.09993	10,020	\$1,001	\$0.02857	10,020	\$286
6	Energy Charge Tier 3	SD 35, SD 45	\$/kWh	Next	6,800	\$0.06310	1,464,255	\$92,394	\$0.10008	1,464,255	\$146,543	\$0.07993	1,464,255	\$117,038	\$0.07993	1,464,255	\$117,038	\$0.02857	1,464,255	\$41,838
7	Energy Charge Tier 4	SD 35, SD 45	\$/kWh	Above	7,000	\$0.05028	1,805,346	\$90,773	\$0.09008	1,805,346	\$162,626	\$0.07993	1,805,346	\$144,301	\$0.07993	1,805,346	\$144,301	\$0.02857	1,805,346	\$51,583
8	Subtotal Energy Charge		\$/kWh					\$189,766	\$0.09528	3,337,416	\$317,990	\$0.08034	3,337,416	\$268,116	\$0.08034	3,337,416	\$268,116	\$0.02857	3,337,416	\$95,359
9																				
10	Demand Charge																			
11	Demand Charge Tier 1	SD 35, SD 45	\$/kW	First	30	\$0.00	6,813	\$0	\$1.40	6,813	\$9,538	\$6.50	6,813	\$44,284	\$6.50	6,813	\$44,284	\$20.28	6,813	\$138,161
12	Demand Charge Tier 2	SD 35, SD 45	\$/kW	Above	30	\$3.20	5,051	\$16,162	\$2.80	5,051	\$14,142	\$6.50	5,051	\$32,829	\$6.50	5,051	\$32,829	\$20.28	5,051	\$102,424
13	Subtotal Demand Charge					\$1.36	11,864	\$16,162	\$2.00	11,864	\$23,680	\$6.50	11,864	\$77,113	\$6.50	11,864	\$77,113	\$20.28	11,864	\$240,585
14	Subtotal Base Rate							\$205,928			\$350,476			\$362,842			\$362,842			\$352,986
15	Tracker 1		\$/kWh			\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0
16	Tracker 2		\$/kWh			\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0
17	Total Tracker		\$/kWh			\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0
18	Subtotal							\$205,928			\$350,476			\$362,842			\$362,842			\$352,986
19	kWh ECA																			
20	Quarter 1	SD 35	\$/kWh			\$0.03981	955,950	\$38,058		955,950	\$0		955,950	\$0		955,950	\$0		955,950	\$0
21	Quarter 2	SD 35	\$/kWh			\$0.03651	711,918	\$25,993		711,918	\$0		711,918	\$0		711,918	\$0		711,918	\$0
22	Quarter 3	SD 35	\$/kWh			\$0.03489	845,704	\$29,503		845,704	\$0		845,704	\$0		845,704	\$0		845,704	\$0
23	Quarter 4	SD 35	\$/kWh			\$0.04166	823,844	\$34,319		823,844	\$0		823,844	\$0		823,844	\$0		823,844	\$0
24	kWh ECA Total					\$0.03832	3,337,416	\$127,873	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0	\$0.00000	3,337,416	\$0
25	Revenue Adjustment (to Audit)							-\$923			-\$969			-\$1,004			-\$1,004			
26	Total Rate Revenues							\$332,878			\$349,506			\$361,838			\$361,838			\$352,986
27	Rate Design Target Revenues										\$349,522			\$361,840			\$361,840			
28	Difference from Target Revenues -\$										-\$15			-\$1			-\$1			
29	Difference from Target Revenues -%										0.00%			0.00%			0.00%			
30	Difference from Prior Phase Revenues -\$										\$16,629			\$12,332			\$0			
31	Difference from Prior Phase Revenues -%										5.00%			3.53%			0.00%			
32	Difference from Current Revenues -\$										\$16,629			\$28,960			\$28,960			
33	Difference from Current Revenues -%										5.00%			8.70%			8.70%			
34	Adjusted Audit Revenue		\$		332,878															
35	Audit Rev Diff to Calc		\$		(923)															
36	Audit Rev Diff to Calc				-0.28%															
37	Tier 4 and Tier 1 Energy Rate Difference					\$0.04850			\$0.04000			\$0.02000			\$0.02000					



Rate Design - Large Power, Industrial, and Transmission Class Summaries

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Line No.	Component	Source Document	Large Power Service Secondary	Large Power Service Coincident Peak Secondary	Large Power Service Primary ⁽¹⁾	Large Power Coincident Peak Primary	Industrial Service Secondary ⁽¹⁾	Industrial Service Coincident Peak Secondary ⁽¹⁾	Industrial Service Primary	Industrial Service Coincident Peak Primary	Transmission Service ⁽¹⁾	Transmission Service Coincident Peak ⁽¹⁾	
1	Phase 1												
2	Customer Charge		\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	
3	Demand Charge												
4	Power Supply			\$23.81		\$24.43		\$23.81		\$24.13		\$0.00	
5	T&D			\$3.33		\$3.12		\$3.33		\$2.51		\$1.36	
6	Total		\$22.50	\$27.14	\$22.84	\$27.55	\$22.50	\$27.14	\$22.60	\$26.64	\$1.15	\$1.36	
7	Energy		\$0.03757	\$0.03441	\$0.03574	\$0.03273	\$0.03622	\$0.03281	\$0.03550	\$0.03215	\$0.02748	\$0.02748	
8	Metering at Primary Discount		2%	2%	N/A	N/A	2%	2%	N/A	N/A	N/A	N/A	
9	Transmission T&D Charge Calculation										\$1.15	\$1.15	
10	Assumed losses	COSS - Att. JAM-2	5.01%	5.01%	3.01%	3.01%	5.01%	5.01%	3.01%	3.01%	1.01%	1.01%	

(1) Currently no customers in this class



Rate Design - Large Power, Industrial, and Transmission Class Summaries

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Line No.	Component	Source Document	Large Power Service Secondary	Large Power Service Coincident Peak Secondary	Large Power Service Primary ⁽¹⁾	Large Power Coincident Peak Primary	Industrial Service Secondary ⁽¹⁾	Industrial Service Coincident Peak Secondary ⁽¹⁾	Industrial Service Primary	Industrial Service Coincident Peak Primary	Transmission Service ⁽¹⁾	Transmission Service Coincident Peak ⁽¹⁾	
11	Phase 2												
12	Customer Charge		\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	
13	Demand Charge												
14	Power Supply			\$25.37		\$26.34		\$25.37		\$26.24		\$25.55	
15	T&D			\$4.47		\$3.73		\$4.47		\$3.12		\$1.69	
16	Total		\$25.00	\$29.84	\$22.99	\$30.07	\$25.00	\$29.84	\$24.00	\$29.36	\$22.27	\$27.24	
17	Energy		\$0.03515	\$0.03317	\$0.03561	\$0.02897	\$0.03440	\$0.02689	\$0.03371	\$0.02635	\$0.02748	\$0.02748	
18	Metering at Primary Discount		2%	2%	N/A	N/A	2%	2%	N/A	N/A	N/A	N/A	
19	Transmission T&D Charge Calculation										\$1.43	\$1.43	
20	Assumed losses		5.01%	5.01%	3.01%	3.01%	5.01%	5.01%	3.01%	3.01%	1.01%	1.01%	

(1) Currently no customers in this class



Rate Design - Large Power, Industrial, and Transmission Class Summaries

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Line No.	Component	Source Document	Large Power Service Secondary	Large Power Service Coincident Peak Secondary	Large Power Service Primary ⁽¹⁾	Large Power Coincident Peak Primary	Industrial Service Secondary ⁽¹⁾	Industrial Service Coincident Peak Secondary ⁽¹⁾	Industrial Service Primary	Industrial Service Coincident Peak Primary	Transmission Service ⁽¹⁾	Transmission Service Coincident Peak ⁽¹⁾	
21	Phase 3												
22	Customer Charge		\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	\$195.25	
23	Demand Charge												
24	Power Supply			\$26.90		\$26.34		\$26.90		\$26.34		\$25.55	
25	T&D			\$5.60		\$3.73		\$5.60		\$3.73		\$2.02	
26	Total		\$25.00	\$32.50	\$23.13	\$30.07	\$25.00	\$32.50	\$24.00	\$30.07	\$22.00	\$27.57	
27	Energy		\$0.03515	\$0.02870	\$0.03548	\$0.02897	\$0.03440	\$0.02498	\$0.03371	\$0.02448	\$0.02748	\$0.02748	
28	Metering at Primary Discount		2%	2%	N/A	N/A	2%	2%	N/A	N/A	N/A	N/A	
29	Transmission T&D Charge Calculation										\$1.71	\$1.71	
30	Assumed losses		5.01%	5.01%	3.01%	3.01%	5.01%	5.01%	3.01%	3.01%	1.01%	1.01%	
31	Primary to Secondary Loss Difference	COSS - Att. JAM-2		2.00%									

(1) Currently no customers in this class



Rate Design - Lighting Service

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Line No.	Rate	Type	Source Document	Rate (\$/Lamp/Month)	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue
	Outdoor Lighting Services														
				Current			Phase 1			Phase 2			Phase 3		
1	OL	100 Watt Sodium Vapor OL	SD 35	\$4.66	5,712	\$26,618	\$5.63	5,712	\$32,159	\$5.88	5,712	\$33,587	\$6.14	5,712	\$35,072
2	OL	150 Watt Sodium Vapor OL	SD 35	\$5.12	11,880	\$60,826	\$6.19	11,880	\$73,537	\$6.46	11,880	\$76,745	\$6.74	11,880	\$80,071
3	OL	175 Watt Mercury Vapor OL	SD 35	\$6.75	2,136	\$14,418	\$8.16	2,136	\$17,430	\$8.52	2,136	\$18,199	\$8.89	2,136	\$18,989
4	OL	250 Watt Metal Halide Flood OL	SD 35	\$7.39	204	\$1,508	\$8.93	204	\$1,822	\$9.33	204	\$1,903	\$9.74	204	\$1,987
5	OL	250 Watt Mercury Vapor OL	SD 35	\$8.42	1,080	\$9,094	\$10.18	1,080	\$10,994	\$10.62	1,080	\$11,470	\$11.09	1,080	\$11,977
6	OL	250 Watt Sodium Vapor Flood OL	SD 35	\$7.23	504	\$3,644	\$8.74	504	\$4,405	\$9.12	504	\$4,596	\$9.52	504	\$4,798
7	OL	250 Watt Sodium Vapor OL	SD 35	\$9.58	3,588	\$34,373	\$11.58	3,588	\$41,549	\$12.09	3,588	\$43,379	\$12.62	3,588	\$45,281
8	OL	400 Watt Metal Halide Flood OL	SD 35	\$8.66	7,440	\$64,430	\$10.47	7,440	\$77,897	\$10.93	7,440	\$81,319	\$11.41	7,440	\$84,890
9	OL	400 Watt Mercury Vapor OL	SD 35	\$10.12	816	\$8,258	\$12.23	816	\$9,980	\$12.77	816	\$10,420	\$13.33	816	\$10,877
10	OL	400 Watt Sodium Vapor Flood OL	SD 35	\$8.58	504	\$4,324	\$10.37	504	\$5,226	\$10.83	504	\$5,458	\$11.30	504	\$5,695
11	OL	LED 100W Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
12	OL	LED 150W Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
13	OL	LED 250W Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
14	OL	LED 400W Flood Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
15	Lamp Revenue				33,864	\$227,492	33,864	\$274,999	33,864	\$287,076	33,864	\$299,638			
16	kWh ECA														
17	Quarter 1	\$/kWh	SD 35	\$0.01105	783,245	\$8,656	\$0.00000	783,245	\$0	\$0.00000	783,245	\$0	\$0.00000	783,245	\$0
18	Quarter 2	\$/kWh	SD 35	\$0.01128	804,496	\$9,073	\$0.00000	804,496	\$0	\$0.00000	804,496	\$0	\$0.00000	804,496	\$0
19	Quarter 3	\$/kWh	SD 35	\$0.01126	802,564	\$9,037	\$0.00000	802,564	\$0	\$0.00000	802,564	\$0	\$0.00000	802,564	\$0
20	Quarter 4	\$/kWh	SD 35	\$0.01103	826,353	\$9,115	\$0.00000	826,353	\$0	\$0.00000	826,353	\$0	\$0.00000	826,353	\$0
21	kWh ECA Total					\$35,880									
22	Base Outdoor Lighting					\$263,373		\$274,999		\$287,076		\$299,638			
23	Audit Adjustment					(\$639)		(\$667)		(\$697)		(\$727)			
24	Total Outdoor Lighting					\$262,733		\$274,331		\$286,380		\$298,910			
25	Rate Design Target Revenue							\$274,294		\$286,363		\$298,963			
26	Difference							\$38		\$17		(\$52)			
27	Rate Adjustment							0.20866		0.26184		0.31736			
28	Audit Revenue				\$	262,733									
29	Audit Rev Diff to Calc				\$	(639)									
30	Audit Rev Diff to Calc					-0.24%									
31	Current to Phase 1 Adjustment					122%									



Rate Design - Lighting Service

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Line No.	Rate	Type	Source Document	Current			Phase 1			Phase 2			Phase 3		
				Rate (\$/Lamp/Month)	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue
Outdoor Lighting Services															
Street Light Services															
32	M	100 W Sodium Vapor-UG-Fiber	SD 35	\$6.68	504	\$3,367	\$7.68	504	\$3,871	\$7.94	504	\$4,002	\$7.94	504	\$4,002
33	M	100 W Sodium Vapor-UG-Metal	SD 35	\$6.68	19,428	\$129,779	\$7.68	19,428	\$149,207	\$7.94	19,428	\$154,258	\$7.94	19,428	\$154,258
34	M	150 W Sodium Vapor-OH-Metal	SD 35	\$10.77	1,836	\$19,774	\$12.39	1,836	\$22,748	\$12.80	1,836	\$23,501	\$12.80	1,836	\$23,501
35	M	150 W Sodium Vapor-OH-Metal-T	SD 35	\$14.34	96	\$1,377	\$16.49	96	\$1,583	\$17.05	96	\$1,637	\$17.05	96	\$1,637
36	M	150 W Sodium Vapor-OH-Wood	SD 35	\$7.02	10,176	\$71,436	\$8.07	10,176	\$82,120	\$8.35	10,176	\$84,970	\$8.35	10,176	\$84,970
37	M	150 W Sodium Vapor-UG-Metal	SD 35	\$14.36	648	\$9,305	\$16.52	648	\$10,705	\$17.07	648	\$11,061	\$17.07	648	\$11,061
38	M	150 W Sodium Vapor-UG-Metal-T	SD 35	\$18.02	108	\$1,946	\$20.73	108	\$2,239	\$21.42	108	\$2,313	\$21.42	108	\$2,313
39	M	175 W Metal Hal-UG-Metal-C-S	SD 35	\$7.73	72	\$557	\$8.89	72	\$640	\$9.19	72	\$662	\$9.19	72	\$662
40	M	175 W Metal Hal-UG-Metal-C-T	SD 35	\$10.62	780	\$8,284	\$12.21	780	\$9,524	\$12.63	780	\$9,851	\$12.63	780	\$9,851
41	M	175 W Metal Halide-UG-Metal	SD 35	\$14.31	1,020	\$14,596	\$16.46	1,020	\$16,789	\$17.01	1,020	\$17,350	\$17.01	1,020	\$17,350
42	M	175 W Mercury Vapor UG-Metal	SD 35	\$15.61	24	\$375	\$17.95	24	\$431	\$18.56	24	\$445	\$18.56	24	\$445
43	M	175 W Mercury Vapor-UG-Metal-S	SD 35	\$7.55	11,136	\$84,077	\$8.68	11,136	\$96,660	\$8.98	11,136	\$100,001	\$8.98	11,136	\$100,001
44	M	175 W Mercury Vapor-UG-Wood	SD 35	\$11.22	24	\$269	\$12.90	24	\$310	\$13.34	24	\$320	\$13.34	24	\$320
45	M	250 W Mercury Vapor-OH-Metal	SD 35	\$11.57	1,524	\$17,633	\$13.31	1,524	\$20,284	\$13.76	1,524	\$20,970	\$13.76	1,524	\$20,970
46	M	250 W Sodium Vapor-OH-Metal	SD 35	\$11.61	9,324	\$108,252	\$13.35	9,324	\$124,475	\$13.80	9,324	\$128,671	\$13.80	9,324	\$128,671
47	M	250 W Mercury Vapor-OH-Wood	SD 35	\$8.06	5,184	\$41,783	\$9.27	5,184	\$48,056	\$9.58	5,184	\$49,663	\$9.58	5,184	\$49,663
48	M	250 W Sodium Vapor-OH-Wood	SD 35	\$8.06	7,296	\$58,806	\$9.27	7,296	\$67,634	\$9.58	7,296	\$69,896	\$9.58	7,296	\$69,896
49	M	250 W Mercury Vapor-UG-Metal-S	SD 35	\$16.12	96	\$1,548	\$18.54	96	\$1,780	\$19.17	96	\$1,840	\$19.17	96	\$1,840
50	M	250 W Sodium Vapor-UG-Metal	SD 35	\$16.12	2,592	\$41,783	\$18.54	2,592	\$48,056	\$19.17	2,592	\$49,689	\$19.17	2,592	\$49,689
51	M	250 W Sodium Vapor-UG-Metal-T	SD 35	\$19.14	708	\$13,551	\$22.01	708	\$15,583	\$22.76	708	\$16,114	\$22.76	708	\$16,114
52	M	400 W Sodium Vapor-OH-Wood	SD 35	\$26.48	756	\$20,019	\$30.46	756	\$23,028	\$31.48	756	\$23,799	\$31.48	756	\$23,799
53	M	400 W Metal Hal-UG-Metal-C-S	SD 35	\$9.11	732	\$6,669	\$10.48	732	\$7,671	\$10.83	732	\$7,928	\$10.83	732	\$7,928
54	M	400 W Sodium Vapor-UG-Metal	SD 35	\$28.07	1,944	\$54,568	\$32.28	1,944	\$62,752	\$33.37	1,944	\$64,871	\$33.37	1,944	\$64,871
55	M	LED 100W Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
56	M	LED 150W Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
57	M	LED 150W Decorative Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
58	M	LED 250W Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
59	N	150 Sodium Vapor-UG-Metal	SD 35	\$21.38	732	\$15,650	\$24.59	732	\$18,000	\$25.42	732	\$18,607	\$25.42	732	\$18,607
60	N	2-400 W Sodium Vapor-UG-Met-N	SD 35	\$36.54	384	\$14,031	\$42.03	384	\$16,140	\$43.44	384	\$16,681	\$43.44	384	\$16,681
61	N	400 W Sodium Vapor-UG-Metal-N	SD 35	\$26.54	168	\$4,459	\$30.52	168	\$5,127	\$31.55	168	\$5,300	\$31.55	168	\$5,300
62	N	70 W Sodium Vapor-UG-Metal	SD 35	\$18.65	1,440	\$26,856	\$21.45	1,440	\$30,888	\$22.17	1,440	\$31,925	\$22.17	1,440	\$31,925
63	N	70 W-Sodium Vapor-UG-Metal-T	SD 35	\$26.54	12	\$318	\$30.52	12	\$366	\$31.55	12	\$379	\$31.55	12	\$379
64	N	SL <400W -OH-Wood	SD 35	\$10.07	480	\$4,834	\$11.58	480	\$5,558	\$11.97	480	\$5,746	\$11.97	480	\$5,746
65	N	LED 100W Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
66	N	LED 150W Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
67	N	LED 150W Decorative Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
68	N	LED 250W Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
69	N	LED 400W Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
70	N	LED 400W Equivalent		\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0	\$0.00	0	\$0
71	Lamp Revenue				79,224	\$775,899		79,224	\$892,226		79,224	\$922,451		79,224	\$922,451
72	kWh ECA														
73	Quarter 1	\$/kWh	SD 35	\$0.01105	1,627,238	\$17,983	\$0.00000	1,627,238	\$0	\$0.00000	1,627,238	\$0	\$0.00000	1,627,238	\$0
74	Quarter 2	\$/kWh	SD 35	\$0.01128	1,658,291	\$18,702	\$0.00000	1,658,291	\$0	\$0.00000	1,658,291	\$0	\$0.00000	1,658,291	\$0
75	Quarter 3	\$/kWh	SD 35	\$0.01126	1,622,245	\$18,266	\$0.00000	1,622,245	\$0	\$0.00000	1,622,245	\$0	\$0.00000	1,622,245	\$0
76	Quarter 4	\$/kWh	SD 35	\$0.01103	1,726,152	\$19,039	\$0.00000	1,726,152	\$0	\$0.00000	1,726,152	\$0	\$0.00000	1,726,152	\$0
77	kWh ECA Total					\$73,991									
78	Base Street Lighting					\$849,890			\$892,226			\$922,451			\$922,451
79	Audit Adjustment					(\$1,954)			(\$2,051)			(\$2,121)			(\$2,121)



Rate Design - Lighting Service

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Line No.	Rate	Type	Source Document	Rate (\$/Lamp/Month)	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue	Rate	Billing Determinants	Revenue
80		Outdoor Lighting Services			Current	\$847,936		Phase 1	\$890,175		Phase 2	\$920,330		Phase 3	\$920,330
81		Rate Design Target Revenue							\$890,333			\$920,366			\$920,366
82		Difference							(\$158)			(\$36)			(\$36)
83		Rate Adjustment							0.15013			0.188923			0.18892
84		Audit Revenue		\$		847,936									
85		Audit Rev Diff to Calc		\$		(1,954)									
86		Audit Rev Diff to Calc				-0.23%									
87		Current to Phase 1 Adjustment				105%									



Rate Design - Proof of Revenue

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Line No.	Class	Component	Units	Current (Actual Billing Determinants)			Current (Normalized Billing Determinants)			Phase 1			Phase 2			Phase 3		
				Billing Determinants ⁽¹⁾	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue
1	Residential																	
2		Facilities Charge	\$/Month	191,369	\$10.00	\$1,913,690	191,369	\$10.00	\$1,913,690	191,369	\$10.75	\$2,057,217	191,369	\$11.50	\$2,200,744	191,369	\$12.25	\$2,344,270
3		Energy Charge																
4		Energy Charge Tier 1	\$/KWH	63,279,307	\$0.06492	\$4,108,093	63,279,307	\$0.06492	\$4,108,093	63,279,307	\$0.10110	\$6,397,538	63,279,307	\$0.10151	\$6,423,166	63,279,307	\$0.10191	\$6,448,794
5		Energy Charge Tier 2	\$/KWH	96,452,377	\$0.04909	\$4,734,847	96,452,377	\$0.04909	\$4,734,847	96,452,377	\$0.09360	\$9,027,942	96,452,377	\$0.09760	\$9,413,752	96,452,377	\$0.10191	\$9,829,462
6		Energy Charge Tier 3	\$/KWH	27,985,411	\$0.04563	\$1,276,974	27,985,411	\$0.04563	\$1,276,974	27,985,411	\$0.08610	\$2,409,544	27,985,411	\$0.09401	\$2,630,908	27,985,411	\$0.10191	\$2,851,993
7		KWH ECA																
8		Quarter 1	\$/KWH	57,262,832	\$0.03933	\$2,252,376	57,262,832	\$0.03933	\$2,252,376	57,262,832	\$0.00000	\$0	57,262,832	\$0.00000	\$0	57,262,832	\$0.00000	\$0
9		Quarter 2	\$/KWH	37,363,984	\$0.03650	\$1,363,785	37,363,984	\$0.03650	\$1,363,785	37,363,984	\$0.00000	\$0	37,363,984	\$0.00000	\$0	37,363,984	\$0.00000	\$0
10		Quarter 3	\$/KWH	47,999,419	\$0.03436	\$1,649,212	47,999,419	\$0.03436	\$1,649,212	47,999,419	\$0.00000	\$0	47,999,419	\$0.00000	\$0	47,999,419	\$0.00000	\$0
11		Quarter 4	\$/KWH	45,090,860	\$0.04199	\$1,893,365	45,090,860	\$0.04199	\$1,893,365	45,090,860	\$0.00000	\$0	45,090,860	\$0.00000	\$0	45,090,860	\$0.00000	\$0
12		Revenue Audit Adjustment	\$			(\$53,089)			(\$53,089)			(\$55,025)			(\$57,173)			(\$59,402)
13	Residential Total		\$			\$19,139,254			\$19,139,254			\$19,837,216			\$20,611,397			\$21,415,117
14	Commercial Lighting																	
15		Facilities Charge	\$/Month	48,489	\$17.50	\$848,558	48,489	\$17.50	\$848,558	48,489	\$20.75	\$1,006,147	48,489	\$20.75	\$1,006,147	48,489	\$20.75	\$1,006,147
16		Energy Charge	\$/KWH	35,289,149	\$0.06046	\$2,133,582	35,289,149	\$0.06046	\$2,133,582	35,289,149	\$0.12124	\$4,278,456	35,289,149	\$0.12124	\$4,278,456	35,289,149	\$0.12124	\$4,278,456
17		KWH ECA																
18		Quarter 1	\$/KWH	10,457,515	\$0.06381	\$667,284	10,457,515	\$0.06381	\$667,284	10,457,515	\$0.00000	\$0	10,457,515	\$0.00000	\$0	10,457,515	\$0.00000	\$0
19		Quarter 2	\$/KWH	7,294,327	\$0.05841	\$426,047	7,294,327	\$0.05841	\$426,047	7,294,327	\$0.00000	\$0	7,294,327	\$0.00000	\$0	7,294,327	\$0.00000	\$0
20		Quarter 3	\$/KWH	8,895,494	\$0.05429	\$482,892	8,895,494	\$0.05429	\$482,892	8,895,494	\$0.00000	\$0	8,895,494	\$0.00000	\$0	8,895,494	\$0.00000	\$0
21		Quarter 4	\$/KWH	8,641,813	\$0.06864	\$593,157	8,641,813	\$0.06864	\$593,157	8,641,813	\$0.00000	\$0	8,641,813	\$0.00000	\$0	8,641,813	\$0.00000	\$0
22		Revenue Audit Adjustment	\$			(\$14,250)			(\$14,250)			(\$14,618)			(\$14,618)			(\$14,618)
23	Commercial Lighting Total		\$			\$5,137,269			\$5,137,269			\$5,269,985			\$5,269,985			\$5,269,985
24	General Power																	
25		Facilities Charge	\$/Month	10,543	\$20.00	\$210,860	10,543	\$20.00	\$210,860	10,543	\$46.50	\$490,250	10,543	\$73.00	\$769,639	10,543	\$73.00	\$769,639
26		Energy Charge																
27		Energy Charge Tier 1	\$/KWH	4,873,005	\$0.07721	\$376,245	4,873,005	\$0.07721	\$376,245	4,873,005	\$0.09946	\$484,669	4,873,005	\$0.07600	\$370,348	4,873,005	\$0.07600	\$370,348
28		Energy Charge Tier 2	\$/KWH	12,180,069	\$0.06046	\$736,407	12,180,069	\$0.06046	\$736,407	12,180,069	\$0.09613	\$1,170,870	12,180,069	\$0.07600	\$925,685	12,180,069	\$0.07600	\$925,685
29		Energy Charge Tier 3	\$/KWH	17,531,051	\$0.05576	\$977,531	17,531,051	\$0.05576	\$977,531	17,531,051	\$0.09279	\$1,626,706	17,531,051	\$0.07600	\$1,332,360	17,531,051	\$0.07600	\$1,332,360
30		Energy Charge Tier 4	\$/KWH	98,076,345	\$0.05055	\$4,957,759	98,076,345	\$0.05055	\$4,957,759	98,076,345	\$0.08946	\$8,773,910	98,076,345	\$0.07600	\$7,453,802	98,076,345	\$0.07600	\$7,453,802
31		Demand Charge																
32		Demand Charge Tier 1	\$/KW	163,478	\$0.00	\$0	163,478	\$0.00	\$0	163,478	\$1.40	\$228,870	163,478	\$6.50	\$1,062,610	163,478	\$6.50	\$1,062,610
33		Demand Charge Tier 2	\$/KW	263,766	\$2.80	\$738,544	263,766	\$2.80	\$738,544	263,766	\$2.80	\$738,544	263,766	\$6.50	\$1,714,478	263,766	\$6.50	\$1,714,478
34		Substation Discount	\$/KW	43,782	\$0.39	\$17,075	43,782	\$0.39	\$17,075	43,782	\$0.47	\$20,577	43,782	\$0.47	\$20,577	43,782	\$0.47	\$20,577
35		KWH ECA																
36		Quarter 1	\$/KWH	32,467,955	\$0.03981	\$1,292,614	32,467,955	\$0.03981	\$1,292,614	32,467,955	\$0.00000	\$0	32,467,955	\$0.00000	\$0	32,467,955	\$0.00000	\$0
37		Quarter 2	\$/KWH	31,245,657	\$0.03651	\$1,140,810	31,245,657	\$0.03651	\$1,140,810	31,245,657	\$0.00000	\$0	31,245,657	\$0.00000	\$0	31,245,657	\$0.00000	\$0
38		Quarter 3	\$/KWH	36,532,446	\$0.03489	\$1,274,471	36,532,446	\$0.03489	\$1,274,471	36,532,446	\$0.00000	\$0	36,532,446	\$0.00000	\$0	36,532,446	\$0.00000	\$0
39		Quarter 4	\$/KWH	32,414,412	\$0.04166	\$1,350,287	32,414,412	\$0.04166	\$1,350,287	32,414,412	\$0.00000	\$0	32,414,412	\$0.00000	\$0	32,414,412	\$0.00000	\$0
40		Revenue Audit Adjustment	\$			(\$19,039)			(\$19,039)			(\$19,703)			(\$19,871)			(\$19,871)
41	General Power Total		\$			\$13,019,416			\$13,019,416			\$13,473,539			\$13,588,475			\$13,588,475

(1) Does not include large customer normalization.
 (2) Per RPL Trial balance (SD 19)



Rate Design - Proof of Revenue

Richmond Power and Light

Line No.	Class	Component	Units	Current (Actual Billing Determinants)			Current (Normalized Billing Determinants)			Phase 1			Phase 2			Phase 3		
				Billing Determinants ⁽¹⁾	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue
42	Large Power Secondary																	
43		Facilities Charge	\$/Month	646	\$0.00	\$0	646	\$0.00	\$0	646	\$195.25	\$126,132	646	\$195.25	\$126,132	646	\$195.25	\$126,132
44		Energy Charge	\$/KWH	64,537,677	\$0.02919	\$1,883,855	64,537,677	\$0.02919	\$1,883,855	64,537,677	\$0.03757	\$2,424,681	64,537,677	\$0.03515	\$2,268,499	64,537,677	\$0.03515	\$2,268,499
45		Demand Charge Secondary	\$/KVA	155,829	\$7.77	\$1,210,792	155,829	\$7.77	\$1,210,792	155,829	\$22.50	\$3,506,155	155,829	\$25.00	\$3,895,728	155,829	\$25.00	\$3,895,728
46		KWH ECA																
47		Quarter 1	\$/KWH	16,961,583	\$0.01108	\$187,934	16,961,583	\$0.01108	\$187,934	16,961,583	\$0.00000	\$0	16,961,583	\$0.00000	\$0	16,961,583	\$0.00000	\$0
48		Quarter 2	\$/KWH	14,915,799	\$0.01128	\$168,191	14,915,799	\$0.01128	\$168,191	14,915,799	\$0.00000	\$0	14,915,799	\$0.00000	\$0	14,915,799	\$0.00000	\$0
49		Quarter 3	\$/KWH	16,498,750	\$0.01126	\$185,710	16,498,750	\$0.01126	\$185,710	16,498,750	\$0.00000	\$0	16,498,750	\$0.00000	\$0	16,498,750	\$0.00000	\$0
50		Quarter 4	\$/KWH	16,161,545	\$0.01108	\$179,118	16,161,545	\$0.01108	\$179,118	16,161,545	\$0.00000	\$0	16,161,545	\$0.00000	\$0	16,161,545	\$0.00000	\$0
51		KVA ECA																
52		Quarter 1	\$/KVA	40,833	\$12.59	\$514,046	40,833	\$12.59	\$514,046	40,833	\$0.00	\$0	40,833	\$0.00	\$0	40,833	\$0.00	\$0
53		Quarter 2	\$/KVA	37,415	\$12.30	\$460,190	37,415	\$12.30	\$460,190	37,415	\$0.00	\$0	37,415	\$0.00	\$0	37,415	\$0.00	\$0
54		Quarter 3	\$/KVA	38,774	\$12.27	\$475,903	38,774	\$12.27	\$475,903	38,774	\$0.00	\$0	38,774	\$0.00	\$0	38,774	\$0.00	\$0
55		Quarter 4	\$/KVA	38,808	\$12.94	\$502,324	38,808	\$12.94	\$502,324	38,808	\$0.00	\$0	38,808	\$0.00	\$0	38,808	\$0.00	\$0
56		Revenue Audit Adjustment	\$			(\$15,955)			(\$15,955)			(\$16,755)			(\$17,400)			(\$17,400)
57		Large Power Secondary Total	\$			\$5,752,108			\$5,752,108			\$6,040,213			\$6,272,959			\$6,272,959
58	Large Power COIN - Secondary																	
59		Facilities Charge	\$/Month	578	\$0.00	\$0	578	\$0.00	\$0	578	\$195.25	\$112,855	578	\$195.25	\$112,855	578	\$195.25	\$112,855
60		Energy Charge Secondary	\$/KWH	122,807,501	\$0.02437	\$2,992,819	127,483,501	\$0.02437	\$3,106,773	127,483,501	\$0.03441	\$4,386,707	127,483,501	\$0.03317	\$4,228,628	127,483,501	\$0.02870	\$3,658,776
61		Demand Charge Secondary	\$/KW	218,546	\$7.77	\$1,698,103	225,782	\$7.77	\$1,754,325	225,782	\$23.81	\$5,375,865	225,782	\$25.37	\$5,728,042	225,782	\$26.90	\$6,073,531
62		T&D Charge Secondary	\$/KVA	297,968	\$2.50	\$744,919	307,856	\$2.50	\$769,641	307,856	\$3.33	\$1,025,162	307,856	\$4.47	\$1,376,118	307,856	\$5.60	\$1,723,996
63		KWH ECA																
64		Quarter 1	\$/KWH	28,453,674	\$0.01108	\$315,267	29,983,034	\$0.01108	\$332,212	29,983,034	\$0.00000	\$0	29,983,034	\$0.00000	\$0	29,983,034	\$0.00000	\$0
65		Quarter 2	\$/KWH	31,579,204	\$0.01128	\$356,087	31,578,420	\$0.01128	\$356,078	31,578,420	\$0.00000	\$0	31,578,420	\$0.00000	\$0	31,578,420	\$0.00000	\$0
66		Quarter 3	\$/KWH	35,118,100	\$0.01126	\$395,289	35,118,100	\$0.01126	\$395,289	35,118,100	\$0.00000	\$0	35,118,100	\$0.00000	\$0	35,118,100	\$0.00000	\$0
67		Quarter 4	\$/KWH	27,656,523	\$0.01108	\$306,517	30,803,947	\$0.01108	\$341,400	30,803,947	\$0.00000	\$0	30,803,947	\$0.00000	\$0	30,803,947	\$0.00000	\$0
68		KW ECA																
69		Quarter 1	\$/KW	46,743	\$14.82	\$692,814	49,015	\$14.82	\$726,484	49,015	\$0.00	\$0	49,015	\$0.00	\$0	49,015	\$0.00	\$0
70		Quarter 2	\$/KW	58,172	\$14.48	\$842,383	58,171	\$14.48	\$842,375	58,171	\$0.00	\$0	58,171	\$0.00	\$0	58,171	\$0.00	\$0
71		Quarter 3	\$/KW	63,782	\$14.45	\$921,679	63,782	\$14.45	\$921,679	63,782	\$0.00	\$0	63,782	\$0.00	\$0	63,782	\$0.00	\$0
72		Quarter 4	\$/KW	49,850	\$15.24	\$759,672	54,814	\$15.24	\$835,330	54,814	\$0.00	\$0	54,814	\$0.00	\$0	54,814	\$0.00	\$0
73		Revenue Audit Adjustment	\$			(\$28,793)			(\$28,717)			(\$30,153)			(\$31,661)			(\$32,002)
74		Large Power COIN - Secondary Total	\$			\$9,996,756			\$10,352,869			\$10,870,436			\$11,413,982			\$11,537,156

(1) Does not include large customer normalization.
 (2) Per RPL Trial balance (SD 19)



Rate Design - Proof of Revenue

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Line No.	Class	Component	Units	Current (Actual Billing Determinants)			Current (Normalized Billing Determinants)			Phase 1			Phase 2			Phase 3		
				Billing Determinants ⁽¹⁾	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue
75	Large Power COIN - Primary																	
76		Facilities Charge	\$/Month	273	\$0.00	\$0	262	\$0.00	\$0	262	\$195.25	\$51,156	262	\$195.25	\$51,156	262	\$195.25	\$51,156
77		Energy Charge Primary	\$/KWH	255,349,150	\$0.02437	\$6,222,859	175,700,350	\$0.02437	\$4,281,818	175,700,350	\$0.03273	\$5,750,672	175,700,350	\$0.02897	\$5,090,039	175,700,350	\$0.02897	\$5,090,039
78		Demand Charge Primary	\$/KW	400,303	\$7.77	\$3,110,354	285,940	\$7.77	\$2,221,756	285,940	\$24.43	\$6,985,520	285,940	\$26.34	\$7,531,666	285,940	\$26.34	\$7,531,666
79		Demand Discount	\$/KVA	488,550	\$0.35	\$170,993	364,785	\$0.35	\$127,675	364,785	\$0.00	\$0	364,785	\$0.00	\$0	364,785	\$0.00	\$0
80		T&D Charge Primary	\$/KVA	488,550	\$2.50	\$1,221,376	364,785	\$2.50	\$911,964	364,785	\$3.12	\$1,138,131	364,785	\$3.73	\$1,360,650	364,785	\$3.73	\$1,360,650
81		KWH ECA																
82		Quarter 1	\$/KWH	66,006,150	\$0.01108	\$731,348	44,224,950	\$0.01108	\$490,012	44,224,950	\$0.00000	\$0	44,224,950	\$0.00000	\$0	44,224,950	\$0.00000	\$0
83		Quarter 2	\$/KWH	66,602,550	\$0.01128	\$751,010	44,829,750	\$0.01128	\$505,500	44,829,750	\$0.00000	\$0	44,829,750	\$0.00000	\$0	44,829,750	\$0.00000	\$0
84		Quarter 3	\$/KWH	57,552,950	\$0.01126	\$647,816	44,138,150	\$0.01126	\$496,819	44,138,150	\$0.00000	\$0	44,138,150	\$0.00000	\$0	44,138,150	\$0.00000	\$0
85		Quarter 4	\$/KWH	65,187,500	\$0.01108	\$722,473	42,507,500	\$0.01108	\$471,111	42,507,500	\$0.00000	\$0	42,507,500	\$0.00000	\$0	42,507,500	\$0.00000	\$0
86		KW ECA																
87		Quarter 1	\$/KW	101,573	\$14.82	\$1,505,474	70,375	\$14.82	\$1,043,079	70,375	\$0.00	\$0	70,375	\$0.00	\$0	70,375	\$0.00	\$0
88		Quarter 2	\$/KW	102,336	\$14.48	\$1,481,933	71,415	\$14.48	\$1,034,165	71,415	\$0.00	\$0	71,415	\$0.00	\$0	71,415	\$0.00	\$0
89		Quarter 3	\$/KW	94,830	\$14.45	\$1,370,342	74,198	\$14.45	\$1,072,202	74,198	\$0.00	\$0	74,198	\$0.00	\$0	74,198	\$0.00	\$0
90		Quarter 4	\$/KW	101,564	\$15.24	\$1,547,768	69,952	\$15.24	\$1,066,014	69,952	\$0.00	\$0	69,952	\$0.00	\$0	69,952	\$0.00	\$0
91		Revenue Audit Adjustment	\$			(\$37,251)			(\$37,251)			(\$38,520)			(\$38,819)			(\$38,819)
92		Large Power COIN - Primary Total	\$			\$19,104,509			\$13,429,513			\$13,086,959			\$13,994,692			\$13,994,692
93	Industrial																	
94		Facilities Charge	\$/Month	37	\$0.00	\$0	48	\$0.00	\$0	48	\$195.25	\$9,372	48	\$195.25	\$9,372	48	\$195.25	\$9,372
95		Energy Charge	\$/KWH	29,402,850	\$0.02437	\$716,547	109,051,650	\$0.02437	\$2,657,589	109,051,650	\$0.03550	\$3,871,334	109,051,650	\$0.03371	\$3,676,131	109,051,650	\$0.03371	\$3,676,131
96		Demand Charge	\$/KVA	59,001	\$8.67	\$511,536	182,766	\$8.67	\$1,584,578	182,766	\$22.60	\$4,130,502	182,766	\$24.00	\$4,386,374	182,766	\$24.00	\$4,386,374
97		KWH ECA																
98		Quarter 1	\$/KWH	4,390,650	\$0.01108	\$48,648	26,171,850	\$0.01108	\$289,984	26,171,850	\$0.00000	\$0	26,171,850	\$0.00000	\$0	26,171,850	\$0.00000	\$0
99		Quarter 2	\$/KWH	5,610,450	\$0.01128	\$63,263	27,383,250	\$0.01128	\$308,774	27,383,250	\$0.00000	\$0	27,383,250	\$0.00000	\$0	27,383,250	\$0.00000	\$0
100		Quarter 3	\$/KWH	14,530,550	\$0.01126	\$163,556	27,945,350	\$0.01126	\$314,553	27,945,350	\$0.00000	\$0	27,945,350	\$0.00000	\$0	27,945,350	\$0.00000	\$0
101		Quarter 4	\$/KWH	4,871,200	\$0.01108	\$53,988	27,551,200	\$0.01108	\$305,350	27,551,200	\$0.00000	\$0	27,551,200	\$0.00000	\$0	27,551,200	\$0.00000	\$0
102		KVA ECA																
103		Quarter 1	\$/KVA	9,982	\$12.59	\$125,660	43,947	\$12.59	\$553,258	43,947	\$0.00	\$0	43,947	\$0.00	\$0	43,947	\$0.00	\$0
104		Quarter 2	\$/KVA	12,134	\$12.30	\$149,242	45,350	\$12.30	\$557,799	45,350	\$0.00	\$0	45,350	\$0.00	\$0	45,350	\$0.00	\$0
105		Quarter 3	\$/KVA	25,825	\$12.27	\$316,973	48,479	\$12.27	\$595,020	48,479	\$0.00	\$0	48,479	\$0.00	\$0	48,479	\$0.00	\$0
106		Quarter 4	\$/KVA	11,060	\$12.94	\$143,161	44,989	\$12.94	\$582,329	44,989	\$0.00	\$0	44,989	\$0.00	\$0	44,989	\$0.00	\$0
107		Revenue Audit Adjustment	\$			(\$21,436)			(\$21,436)			(\$22,160)			(\$22,328)			(\$22,328)
108		Industrial Total	\$			\$2,271,138			\$7,727,796			\$7,989,048			\$8,049,549			\$8,049,549

(1) Does not include large customer normalization.
 (2) Per RPL Trial balance (SD 19)



Rate Design - Proof of Revenue

Richmond Power and Light

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Line No.	Class	Component	Units	Current (Actual Billing Determinants)			Current (Normalized Billing Determinants)			Phase 1			Phase 2			Phase 3		
				Billing Determinants ⁽¹⁾	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue
109	Industrial	COIN																
110		Facilities Charge	\$/Month	48	\$0.00	\$0	48	\$0.00	\$0	48	\$195.25	\$9,372	48	\$195.25	\$9,372	48	\$195.25	\$9,372
111		Energy Charge	\$/KWH	55,651,050	\$0.02437	\$1,366,216	55,651,050	\$0.02437	\$1,366,216	55,651,050	\$0.03215	\$1,789,181	55,651,050	\$0.02635	\$1,466,405	55,651,050	\$0.02448	\$1,362,338
112		Demand Charge	\$/KW	108,659	\$7.47	\$811,686	108,659	\$7.47	\$811,686	108,659	\$24.13	\$2,621,953	108,659	\$26.24	\$2,851,224	108,659	\$26.34	\$2,862,090
113		T&D Charge	\$/KVA	153,190	\$1.90	\$291,060	153,190	\$1.90	\$291,060	153,190	\$2.51	\$384,506	153,190	\$3.12	\$477,952	153,190	\$3.73	\$571,398
114		KWH ECA																
115		Quarter 1	\$/KWH	13,567,050	\$0.01108	\$150,323	13,567,050	\$0.01108	\$150,323	13,567,050	\$0.00000	\$0	13,567,050	\$0.00000	\$0	13,567,050	\$0.00000	\$0
116		Quarter 2	\$/KWH	13,647,200	\$0.01128	\$153,886	13,647,200	\$0.01128	\$153,886	13,647,200	\$0.00000	\$0	13,647,200	\$0.00000	\$0	13,647,200	\$0.00000	\$0
117		Quarter 3	\$/KWH	14,911,050	\$0.01126	\$167,839	14,911,050	\$0.01126	\$167,839	14,911,050	\$0.00000	\$0	14,911,050	\$0.00000	\$0	14,911,050	\$0.00000	\$0
118		Quarter 4	\$/KWH	13,525,750	\$0.01108	\$149,906	13,525,750	\$0.01108	\$149,906	13,525,750	\$0.00000	\$0	13,525,750	\$0.00000	\$0	13,525,750	\$0.00000	\$0
119		KW ECA																
120		Quarter 1	\$/KW	27,477	\$14.82	\$407,254	27,477	\$14.82	\$407,254	27,477	\$0.00	\$0	27,477	\$0.00	\$0	27,477	\$0.00	\$0
121		Quarter 2	\$/KW	25,475	\$14.48	\$368,903	25,475	\$14.48	\$368,903	25,475	\$0.00	\$0	25,475	\$0.00	\$0	25,475	\$0.00	\$0
122		Quarter 3	\$/KW	27,918	\$14.45	\$403,428	27,918	\$14.45	\$403,428	27,918	\$0.00	\$0	27,918	\$0.00	\$0	27,918	\$0.00	\$0
123		Quarter 4	\$/KW	27,790	\$15.24	\$423,496	27,790	\$15.24	\$423,496	27,790	\$0.00	\$0	27,790	\$0.00	\$0	27,790	\$0.00	\$0
124		Revenue Audit Adjustment	\$			(\$12,957)			(\$12,957)			(\$13,291)			(\$13,291)			(\$13,292)
125	Industrial	COIN Total	\$			\$4,671,040			\$4,671,040			\$4,791,721			\$4,791,662			\$4,791,905
126	Electric Heating Schools																	
127		Facilities Charge	\$/Month	24	\$0.00	\$0	24	\$0.00	\$0	24	\$24.30	\$583	24	\$48.65	\$1,168	24	\$73.00	\$1,752
128		Energy Charge	\$/KWH	486,928	\$0.05349	\$26,046	486,928	\$0.05349	\$26,046	486,928	\$0.09457	\$46,049	486,928	\$0.09759	\$47,519	486,928	\$0.10079	\$49,077
129		KWH ECA																
130		Quarter 1	\$/KWH	161,760	\$0.03981	\$6,440	161,760	\$0.03981	\$6,440	161,760	\$0.00000	\$0	161,760	\$0.00000	\$0	161,760	\$0.00000	\$0
131		Quarter 2	\$/KWH	99,392	\$0.03651	\$3,629	99,392	\$0.03651	\$3,629	99,392	\$0.00000	\$0	99,392	\$0.00000	\$0	99,392	\$0.00000	\$0
132		Quarter 3	\$/KWH	125,728	\$0.03489	\$4,386	125,728	\$0.03489	\$4,386	125,728	\$0.00000	\$0	125,728	\$0.00000	\$0	125,728	\$0.00000	\$0
133		Quarter 4	\$/KWH	100,048	\$0.04166	\$4,168	100,048	\$0.04166	\$4,168	100,048	\$0.00000	\$0	100,048	\$0.00000	\$0	100,048	\$0.00000	\$0
134		Revenue Audit Adjustment	\$			(\$124)			(\$124)			(\$129)			(\$135)			(\$141)
135	Electric Heating Schools	Total	\$			\$44,545			\$44,545			\$46,503			\$48,552			\$50,689

(1) Does not include large customer normalization.
 (2) Per RPL Trial balance (SD 19)



Rate Design - Proof of Revenue

Richmond Power and Light

Line No.	Class	Component	Units	Current (Actual Billing Determinants)			Current (Normalized Billing Determinants)			Phase 1			Phase 2			Phase 3		
				Billing Determinants ⁽¹⁾	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue
136	General Electric Heating																	
137	Facilities Charge	\$/Month	342	\$0.00	\$0	342	\$0.00	\$0	342	\$25.75	\$8,807	342	\$51.50	\$17,613	342	\$51.50	\$17,613	
138	Energy Charge																	
139	Energy Charge Tier 1 ⁽¹⁾	\$/KWH	342	\$16.40	\$5,609	342	\$16.40	\$5,609	57,795	\$0.13008	\$7,518	57,795	\$0.09993	\$5,775	57,795	\$0.09993	\$5,775	
140	Energy Charge Tier 2	\$/KWH	10,020	\$0.09878	\$990	10,020	\$0.09878	\$990	10,020	\$0.13008	\$1,303	10,020	\$0.09993	\$1,001	10,020	\$0.09993	\$1,001	
141	Energy Charge Tier 3	\$/KWH	1,464,255	\$0.06310	\$92,394	1,464,255	\$0.06310	\$92,394	1,464,255	\$0.10008	\$146,543	1,464,255	\$0.07993	\$117,038	1,464,255	\$0.07993	\$117,038	
142	Energy Charge Tier 4	\$/KWH	1,805,346	\$0.05028	\$90,773	1,805,346	\$0.05028	\$90,773	1,805,346	\$0.09008	\$162,626	1,805,346	\$0.07993	\$144,301	1,805,346	\$0.07993	\$144,301	
143	Demand Charge																	
144	Demand Charge Tier 1	\$/KW	6,813	\$0.00	\$0	6,813	\$0.00	\$0	6,813	\$1.40	\$9,538	6,813	\$6.50	\$44,284	6,813	\$6.50	\$44,284	
145	Demand Charge Tier 2	\$/KW	5,051	\$3.20	\$16,162	5,051	\$3.20	\$16,162	5,051	\$2.80	\$14,142	5,051	\$6.50	\$32,829	5,051	\$6.50	\$32,829	
146	KWH ECA																	
147	Quarter 1	\$/KWH	955,950	\$0.03981	\$38,058	955,950	\$0.03981	\$38,058	955,950	\$0.00000	\$0	955,950	\$0.00000	\$0	955,950	\$0.00000	\$0	
148	Quarter 2	\$/KWH	711,918	\$0.03651	\$25,993	711,918	\$0.03651	\$25,993	711,918	\$0.00000	\$0	711,918	\$0.00000	\$0	711,918	\$0.00000	\$0	
149	Quarter 3	\$/KWH	845,704	\$0.03489	\$29,503	845,704	\$0.03489	\$29,503	845,704	\$0.00000	\$0	845,704	\$0.00000	\$0	845,704	\$0.00000	\$0	
150	Quarter 4	\$/KWH	823,844	\$0.04166	\$34,319	823,844	\$0.04166	\$34,319	823,844	\$0.00000	\$0	823,844	\$0.00000	\$0	823,844	\$0.00000	\$0	
151	Revenue Audit Adjustment	\$			(\$923)			(\$923)			(\$969)			(\$1,004)			(\$1,004)	
152	General Electric Heating Total	\$			\$332,878			\$332,878			\$349,506			\$361,838			\$361,838	
153	Outdoor Lighting																	
154	100 Watt Sodium Vapor OL	\$/Lamp/Month	5,712	\$4.66	\$26,618	5,712	\$4.66	\$26,618	5,712	\$5.63	\$32,159	5,712	\$5.88	\$33,587	5,712	\$6.14	\$35,072	
155	150 Watt Sodium Vapor OL	\$/Lamp/Month	11,880	\$5.12	\$60,826	11,880	\$5.12	\$60,826	11,880	\$6.19	\$73,537	11,880	\$6.46	\$76,745	11,880	\$6.74	\$80,071	
156	175 Watt Mercury Vapor OL	\$/Lamp/Month	2,136	\$6.75	\$14,418	2,136	\$6.75	\$14,418	2,136	\$8.16	\$17,430	2,136	\$8.52	\$18,199	2,136	\$8.89	\$18,989	
157	250 Watt Metal Halide Flood OL	\$/Lamp/Month	204	\$7.39	\$1,508	204	\$7.39	\$1,508	204	\$8.93	\$1,822	204	\$9.33	\$1,903	204	\$9.74	\$1,987	
158	250 Watt Mercury Vapor OL	\$/Lamp/Month	1,080	\$8.42	\$9,094	1,080	\$8.42	\$9,094	1,080	\$10.18	\$10,994	1,080	\$10.62	\$11,470	1,080	\$11.09	\$11,977	
159	250 Watt Sodium Vapor Flood OL	\$/Lamp/Month	504	\$7.23	\$3,644	504	\$7.23	\$3,644	504	\$8.74	\$4,405	504	\$9.12	\$4,596	504	\$9.52	\$4,798	
160	250 Watt Sodium Vapor OL	\$/Lamp/Month	3,588	\$9.58	\$34,373	3,588	\$9.58	\$34,373	3,588	\$11.58	\$41,549	3,588	\$12.09	\$43,379	3,588	\$12.62	\$45,281	
161	400 Watt Metal Halide Flood OL	\$/Lamp/Month	7,440	\$8.66	\$64,430	7,440	\$8.66	\$64,430	7,440	\$10.47	\$77,897	7,440	\$10.93	\$81,319	7,440	\$11.41	\$84,890	
162	400 Watt Mercury Vapor OL	\$/Lamp/Month	816	\$10.12	\$8,258	816	\$10.12	\$8,258	816	\$12.23	\$9,980	816	\$12.77	\$10,420	816	\$13.33	\$10,877	
163	400 Watt Sodium Vapor Flood OL	\$/Lamp/Month	504	\$8.58	\$4,324	504	\$8.58	\$4,324	504	\$10.37	\$5,226	504	\$10.83	\$5,458	504	\$11.30	\$5,695	
164	KWH ECA																	
165	Quarter 1	\$/KWH	783,245	\$0.01105	\$8,656	783,245	\$0.01105	\$8,656	783,245	\$0.00000	\$0	783,245	\$0.00000	\$0	783,245	\$0.00000	\$0	
166	Quarter 2	\$/KWH	804,496	\$0.01128	\$9,073	804,496	\$0.01128	\$9,073	804,496	\$0.00000	\$0	804,496	\$0.00000	\$0	804,496	\$0.00000	\$0	
167	Quarter 3	\$/KWH	802,564	\$0.01126	\$9,037	802,564	\$0.01126	\$9,037	802,564	\$0.00000	\$0	802,564	\$0.00000	\$0	802,564	\$0.00000	\$0	
168	Quarter 4	\$/KWH	826,353	\$0.01103	\$9,115	826,353	\$0.01103	\$9,115	826,353	\$0.00000	\$0	826,353	\$0.00000	\$0	826,353	\$0.00000	\$0	
169	Revenue Audit Adjustment	\$			(\$639)			(\$639)			(\$667)			(\$697)			(\$727)	
170	Outdoor Lighting Total	\$			\$262,733			\$262,733			\$274,331			\$286,380			\$298,910	

(1) Does not include large customer normalization.
 (2) Per RPL Trial balance (SD 19)



Rate Design - Proof of Revenue

Richmond Power and Light

Line No.	Class	Component	Units	Current (Actual Billing Determinants)			Current (Normalized Billing Determinants)			Phase 1			Phase 2			Phase 3		
				Billing Determinants ⁽¹⁾	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue	Billing Determinants	Rate	Revenue
				171	Street Lighting													
172	100 W Sodium Vapor-UG-Fiber	\$/Lamp/Month	504	\$6.68	\$3,367	504	\$6.68	\$3,367	504	\$7.68	\$3,871	504	\$7.94	\$4,002	504	\$7.94	\$4,002	
173	100 W Sodium Vapor-UG-Metal	\$/Lamp/Month	19,428	\$6.68	\$129,779	19,428	\$6.68	\$129,779	19,428	\$7.68	\$149,207	19,428	\$7.94	\$154,258	19,428	\$7.94	\$154,258	
174	150 W Sodium Vapor-OH-Metal	\$/Lamp/Month	1,836	\$10.77	\$19,774	1,836	\$10.77	\$19,774	1,836	\$12.39	\$22,748	1,836	\$12.80	\$23,501	1,836	\$12.80	\$23,501	
175	150 W Sodium Vapor-OH-Metal-T	\$/Lamp/Month	96	\$14.34	\$1,377	96	\$14.34	\$1,377	96	\$16.49	\$1,583	96	\$17.05	\$1,637	96	\$17.05	\$1,637	
176	150 W Sodium Vapor-OH-Wood	\$/Lamp/Month	10,176	\$7.02	\$71,436	10,176	\$7.02	\$71,436	10,176	\$8.07	\$82,120	10,176	\$8.35	\$84,970	10,176	\$8.35	\$84,970	
177	150 W Sodium Vapor-UG-Metal	\$/Lamp/Month	648	\$14.36	\$9,305	648	\$14.36	\$9,305	648	\$16.52	\$10,705	648	\$17.07	\$11,061	648	\$17.07	\$11,061	
178	150 W Sodium Vapor-UG-Metal-T	\$/Lamp/Month	108	\$18.02	\$1,946	108	\$18.02	\$1,946	108	\$20.73	\$2,239	108	\$21.42	\$2,313	108	\$21.42	\$2,313	
179	175 W Metal Hal-UG-Metal-C-S	\$/Lamp/Month	72	\$7.73	\$557	72	\$7.73	\$557	72	\$8.89	\$640	72	\$9.19	\$662	72	\$9.19	\$662	
180	175 W Metal Hal-UG-Metal-C-T	\$/Lamp/Month	780	\$10.62	\$8,284	780	\$10.62	\$8,284	780	\$12.21	\$9,524	780	\$12.63	\$9,851	780	\$12.63	\$9,851	
181	175 W Metal Halide-UG-Metal	\$/Lamp/Month	1,020	\$14.31	\$14,596	1,020	\$14.31	\$14,596	1,020	\$16.46	\$16,789	1,020	\$17.01	\$17,350	1,020	\$17.01	\$17,350	
182	175 W Mercury Vapor UG-Metal	\$/Lamp/Month	24	\$15.61	\$375	24	\$15.61	\$375	24	\$17.95	\$431	24	\$18.56	\$445	24	\$18.56	\$445	
183	175 W Mercury Vapor-UG-Metal-S	\$/Lamp/Month	11,136	\$7.55	\$84,077	11,136	\$7.55	\$84,077	11,136	\$8.68	\$96,660	11,136	\$8.98	\$100,001	11,136	\$8.98	\$100,001	
184	175 W Mercury Vapor-UG-Wood	\$/Lamp/Month	24	\$11.22	\$269	24	\$11.22	\$269	24	\$12.90	\$310	24	\$13.34	\$320	24	\$13.34	\$320	
185	250 W Mercury Vapor-OH-Metal	\$/Lamp/Month	1,524	\$11.57	\$17,633	1,524	\$11.57	\$17,633	1,524	\$13.31	\$20,284	1,524	\$13.76	\$20,970	1,524	\$13.76	\$20,970	
186	250 W Sodium Vapor-OH-Metal	\$/Lamp/Month	9,324	\$11.61	\$108,252	9,324	\$11.61	\$108,252	9,324	\$13.35	\$124,475	9,324	\$13.80	\$128,671	9,324	\$13.80	\$128,671	
187	250 W Mercury Vapor-OH-Wood	\$/Lamp/Month	5,184	\$8.06	\$41,783	5,184	\$8.06	\$41,783	5,184	\$9.27	\$48,056	5,184	\$9.58	\$49,663	5,184	\$9.58	\$49,663	
188	250 W Sodium Vapor-OH-Wood	\$/Lamp/Month	7,296	\$8.06	\$58,806	7,296	\$8.06	\$58,806	7,296	\$9.27	\$67,634	7,296	\$9.58	\$69,896	7,296	\$9.58	\$69,896	
189	250 W Mercury Vapor-UG-Metal-S	\$/Lamp/Month	96	\$16.12	\$1,548	96	\$16.12	\$1,548	96	\$18.54	\$1,780	96	\$19.17	\$1,840	96	\$19.17	\$1,840	
190	250 W Sodium Vapor-UG-Metal	\$/Lamp/Month	2,592	\$16.12	\$41,783	2,592	\$16.12	\$41,783	2,592	\$18.54	\$48,056	2,592	\$19.17	\$49,689	2,592	\$19.17	\$49,689	
191	250 W Sodium Vapor-UG-Metal-T	\$/Lamp/Month	708	\$19.14	\$13,551	708	\$19.14	\$13,551	708	\$22.01	\$15,583	708	\$22.76	\$16,114	708	\$22.76	\$16,114	
192	250 W Sodium Vapor-OH-Metal-T	\$/Lamp/Month	0	\$16.64	\$0	0	\$16.64	\$0	0	\$17.47	\$0	0	\$18.06	\$0	0	\$18.06	\$0	
193	400 W Sodium Vapor-OH-Wood	\$/Lamp/Month	756	\$26.48	\$20,019	756	\$26.48	\$20,019	756	\$30.46	\$23,028	756	\$31.48	\$23,799	756	\$31.48	\$23,799	
194	400 W Metal Hal-UG-Metal-C-S	\$/Lamp/Month	732	\$9.11	\$6,669	732	\$9.11	\$6,669	732	\$10.48	\$7,671	732	\$10.83	\$7,928	732	\$10.83	\$7,928	
195	400 W Sodium Vapor-UG-Metal	\$/Lamp/Month	1,944	\$28.07	\$54,568	1,944	\$28.07	\$54,568	1,944	\$32.28	\$62,752	1,944	\$33.37	\$64,871	1,944	\$33.37	\$64,871	
196	1000 W Metal Halide-UG-Metal-T	\$/Lamp/Month	0	\$33.80	\$0	0	\$33.80	\$0	0	\$35.48	\$0	0	\$36.69	\$0	0	\$36.69	\$0	
197	150 Sodium Vapor-UG-Metal	\$/Lamp/Month	732	\$21.38	\$15,650	732	\$21.38	\$15,650	732	\$24.59	\$18,000	732	\$25.42	\$18,607	732	\$25.42	\$18,607	
198	2-400 W Sodium Vapor-UG-Metal-N	\$/Lamp/Month	384	\$36.54	\$14,031	384	\$36.54	\$14,031	384	\$42.03	\$16,140	384	\$43.44	\$16,681	384	\$43.44	\$16,681	
199	4-400 W Mercury Vapor-UG-Metal-N	\$/Lamp/Month	0	\$43.70	\$0	0	\$43.70	\$0	0	\$45.88	\$0	0	\$47.43	\$0	0	\$47.43	\$0	
200	400 W Sodium Vapor-UG-Metal-N	\$/Lamp/Month	168	\$26.54	\$4,459	168	\$26.54	\$4,459	168	\$30.52	\$5,127	168	\$31.55	\$5,300	168	\$31.55	\$5,300	
201	70 W Sodium Vapor-UG-Metal	\$/Lamp/Month	1,440	\$18.65	\$26,856	1,440	\$18.65	\$26,856	1,440	\$21.45	\$30,888	1,440	\$22.17	\$31,925	1,440	\$22.17	\$31,925	
202	70 W Sodium Vapor-UG-Metal-T	\$/Lamp/Month	12	\$26.54	\$318	12	\$26.54	\$318	12	\$30.52	\$366	12	\$31.55	\$379	12	\$31.55	\$379	
203	SL -400W -OH-Wood	\$/Lamp/Month	480	\$10.07	\$4,834	480	\$10.07	\$4,834	480	\$11.58	\$5,558	480	\$11.97	\$5,746	480	\$11.97	\$5,746	
204	KWH ECA																	
205	Quarter 1	\$/KWH	1,627,238	\$0.01105	\$17,983	1,627,238	\$0.01105	\$17,983	1,627,238	\$0.00000	\$0	1,627,238	\$0.00000	\$0	1,627,238	\$0.00000	\$0	
206	Quarter 2	\$/KWH	1,658,291	\$0.01128	\$18,702	1,658,291	\$0.01128	\$18,702	1,658,291	\$0.00000	\$0	1,658,291	\$0.00000	\$0	1,658,291	\$0.00000	\$0	
207	Quarter 3	\$/KWH	1,622,245	\$0.01126	\$18,266	1,622,245	\$0.01126	\$18,266	1,622,245	\$0.00000	\$0	1,622,245	\$0.00000	\$0	1,622,245	\$0.00000	\$0	
208	Quarter 4	\$/KWH	1,726,152	\$0.01103	\$19,039	1,726,152	\$0.01103	\$19,039	1,726,152	\$0.00000	\$0	1,726,152	\$0.00000	\$0	1,726,152	\$0.00000	\$0	
209	Revenue Audit Adjustment	\$			(\$1,954)			(\$1,954)			(\$2,051)			(\$2,121)			(\$2,121)	
210	Street Lighting Total	\$			\$847,936			\$847,936			\$890,175			\$920,330			\$920,330	
211	All Classes Total	\$			\$80,579,582			\$80,717,356			\$83,719,631			\$85,609,801			\$86,551,606	
212	Actual ⁽²⁾ Goal	\$			\$80,579,584			\$80,717,358			\$86,551,153			\$86,551,153			\$86,551,153	
213	Difference	\$			(\$2)			(\$2)			(\$2,831,522)			(\$941,352)			\$453	
214	Phase Goal	\$									\$83,719,009			\$85,609,809			\$86,551,153	
215	Difference	\$									\$622			(\$8)			\$453	

(1) Does not include large customer normalization.
 (2) Per RPL Trial balance (SD 19)

RPLRD - WPJAM1																		
Cost of Service - Output from Att. JAM-R1																		
A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	
Line No.	Description	Source Document	Test Year	Allocation Factor	Residential Electric Service	Commercial Lighting Service	General Service	Large Power Service - Secondary	Large Power Services - Coincident Peak - Primary	Large Power Services - Coincident Peak - Secondary	Industrial Service - Primary	Industrial Service - Coincident Peak - Primary	Electric Heating Schools	General Electric Heating	Outdoor Lighting Services	Street Light Services	Total	
1	Revenue Requirement																	
2	Power Supply Incl Return on Rate Base																	
3	Purchased Demand	COSS - Att. JAM-8	39,385,388	12CP	10,205,579	1,888,918	6,002,436	2,942,251	6,755,935	5,269,407	3,735,529	2,233,138	20,407	159,418	58,123	114,246	39,385,388	
4	Purchased Energy	COSS - Att. JAM-8	25,435,315	NEFL	5,363,560	1,008,302	3,790,451	1,844,007	4,851,338	3,642,532	3,011,072	1,536,605	13,913	95,359	90,580	187,597	25,435,315	
5	White River Demand	COSS - Att. JAM-8	3,823,027	12CP	990,626	183,352	582,639	285,596	655,779	511,486	362,597	216,764	1,981	15,474	5,642	11,089	3,823,027	
6	White River Energy	COSS - Att. JAM-8	-	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	
7	Blank	COSS - Att. JAM-8	-	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	
8	Total Power Supply Incl Return on Rate Base		68,643,730		16,559,766	3,080,571	10,375,526	5,071,855	12,263,052	9,423,425	7,109,198	3,986,508	36,301	270,251	154,345	312,933	68,643,730	
9	Check	COSS - Att. JAM-8	68,643,730															
10	NEFL Rate		0.06934	COS 12 CP Rate			\$ 23.2877	\$ 23.2877	\$ 23.2877	\$ 23.2877	\$ 23.2877	\$ 23.2877						
18	Transmission & Distribution Incl Return on Rate Base																	
19	Load Dispatch	COSS - Att. JAM-8	653,537	12CP	169,345	31,344	99,601	48,822	112,104	87,437	61,985	37,055	339	2,645	964	1,896	653,537	
20	Substations	COSS - Att. JAM-8	3,554,429	12CP	921,027	170,470	541,704	265,531	609,706	475,550	337,122	201,535	1,842	14,387	5,245	10,310	3,554,429	
21	Transmission (69kV)	COSS - Att. JAM-8	588,542	12CP	152,504	28,226	89,695	43,967	100,955	78,742	55,821	33,370	305	2,382	869	1,707	588,542	
22	Primary	COSS - Att. JAM-8	3,222,075	1NCP	892,079	166,958	519,491	204,331	509,921	391,125	274,674	208,567	3,355	11,746	23,088	3,222,075		
23	Secondary	COSS - Att. JAM-8	2,873,931	Sec. 1NCP	1,150,235	215,273	669,824	263,461	-	504,311	-	-	4,325	21,584	15,146	29,770	2,873,931	
24	Transformers	COSS - Att. JAM-8	609,297	Trans./Svc. SMD	324,899	62,048	88,015	42,879	-	80,881	-	-	559	3,463	2,209	4,346	609,297	
25	Service Drops	COSS - Att. JAM-8	781,658	Trans./Svc. SMD Excl Lighting	421,340	80,466	114,141	55,607	-	104,889	-	-	725	4,491	-	-	781,658	
26	Meters	COSS - Att. JAM-8	2,948,268	Wtg Meters	1,681,218	611,346	443,912	80,191	32,523	71,750	5,958	5,958	1,011	14,400	-	-	2,948,268	
27	Outdoor Lighting	COSS - Att. JAM-8	197,748	Outdoor Light	-	-	-	-	-	-	-	-	-	-	197,748	-	197,748	
28	Street Lighting	COSS - Att. JAM-8	2,448,826	Street Light	-	-	-	-	-	-	-	-	-	-	-	-	2,448,826	
29	Total Transmission & Distribution Incl Return on Rate Base		15,878,311		5,712,646	1,366,132	2,566,383	1,004,788	1,365,209	1,794,685	735,560	486,486	12,459	80,092	233,927	519,943	15,878,311	
30	Check	COSS - Att. JAM-8	15,878,311															
31	Customer Service Incl Return on Rate Base																	
32	Meter Reading	COSS - Att. JAM-8	274,858	Wtg. Cust - Meter Read	136,473	34,579	75,186	11,517	4,671	10,305	856	856	171	244	-	-	274,858	
33	Accounting	COSS - Att. JAM-8	1,171,189	Wtg. Cust - Acct.	832,439	210,923	91,722	14,050	5,698	12,571	1,044	1,044	209	1,488	-	-	1,171,189	
34	Customer Service	COSS - Att. JAM-8	822,588	Wtg. Cust - Cust Svc.	509,682	129,143	140,398	17,205	6,978	15,394	1,278	1,278	320	911	-	-	822,588	
35	Sales	COSS - Att. JAM-8	3,288	Wtg. Cust - Sales	3,288	-	-	-	-	-	-	-	-	-	-	-	3,288	
36	Uncollectibles	COSS - Att. JAM-8	(242,811)	Residential Electric Service	(242,811)	-	-	-	-	-	-	-	-	-	-	-	(242,811)	
37	Total Customer Service Incl Return on Rate Base		2,029,112		1,239,071	374,646	307,307	42,773	17,347	38,270	3,178	3,178	700	2,642	-	-	2,029,112	
38	Check	COSS - Att. JAM-8	2,029,112															
39	Direct Assign																	
40	Direct Assign Costs	COSS - Att. JAM-8	-	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	
41	Total Retail Class Revenue Rqmt Incl Return on Rate Base		86,551,153		23,511,483	4,821,349	13,249,216	6,119,415	13,645,609	11,256,380	7,847,936	4,476,172	49,460	352,986	388,272	832,876	86,551,153	
42	Check	COSS - Att. JAM-8	86,551,153	Rev Req/ billed kWh	\$ 0.125	\$ 0.137	\$ 0.100	\$ 0.095	\$ 0.078	\$ 0.088	\$ 0.072	\$ 0.080	\$ 0.102	\$ 0.106	\$ 0.122	\$ 0.127		
				Class LF (billed kWh / SMD)	24.3%	23.9%	44.7%	63.2%	70.4%	66.2%	90.5%	55.1%	36.6%	40.5%	60.2%	63.4%		
			1,031,274															
			87,582,427															
			87,582,427															
			0															
43	TY Adjusted Revenues (Income Statement)	COSS - Att. JAM-8	80,717,356		\$ 19,139,254	\$ 5,137,269	\$ 13,019,416	\$ 5,752,108	\$ 13,429,513	\$ 10,352,869	\$ 7,727,796	\$ 4,671,040	\$ 44,545	\$ 332,878	\$ 262,733	\$ 847,936	\$ 80,717,356	
44	Avg. Rate		\$ 0.090		\$ 0.102	\$ 0.146	\$ 0.098	\$ 0.089	\$ 0.076	\$ 0.081	\$ 0.071	\$ 0.084	\$ 0.091	\$ 0.100	\$ 0.083	\$ 0.129	\$ 0.090	
45	Revenue Requirement - Current Rate Rev (\$)		5,833,797		4,372,229	(815,920)	229,801	367,308	216,096	903,511	120,139	(194,868)	4,915	20,108	125,539	(15,060)	5,833,797	
46	Revenue Requirement - Current Rate Rev (%)		7.23%		22.8%	-6.1%	1.8%	6.4%	1.6%	8.7%	1.6%	-4.2%	11.0%	6.0%	47.8%	-1.8%	7.2%	
47	Total Cost by Function																	
48	Customer Service Incl Return on Rate Base		2,029,112		1,239,071	374,646	307,307	42,773	17,347	38,270	3,178	3,178	700	2,642	-	-	2,029,112	
49	Meters		2,948,268		1,681,218	611,346	443,912	80,191	32,523	71,750	5,958	5,958	1,011	14,400	-	-	2,948,268	
50	T&D		12,930,044		4,031,428	754,786	2,122,471	924,597	1,332,686	1,722,935	729,602	480,527	11,449	65,692	233,927	519,943	12,930,044	
51	PS - IMPA Dem		43,208,415		11,196,206	2,072,270	6,585,075	3,227,847	7,411,714	5,780,893	4,098,126	2,449,903	22,388	174,892	63,765	125,335	43,208,415	
52	PS - Eng		25,435,315		5,363,560	1,008,302	3,790,451	1,844,007	4,851,338	3,642,532	3,011,072	1,536,605	13,913	95,359	90,580	187,597	25,435,315	
53	Total		86,551,153		23,511,483	4,821,349	13,249,216	6,119,415	13,645,609	11,256,380	7,847,936	4,476,172	49,460	352,986	388,272	832,876	86,551,153	
54			86,551,153															
55	Unit Cost by Function																	
56	On a per customer basis																	
57	Customer Service Incl Return on Rate Base				\$ 6.47	\$ 7.73	\$ 29.15	\$ 66.21	\$ 66.21	\$ 66.21	\$ 66.21	\$ 66.21	\$ 29.15	\$ 7.73			\$ 8.04	
58	Meters				\$ 8.79	\$ 12.61	\$ 42.10	\$ 124.13	\$ 124.13	\$ 124.13	\$ 124.13	\$ 124.13	\$ 42.10	\$ 42.10			\$ 11.68	
59	Total				\$ 15.26	\$ 20.33	\$ 71.25	\$ 190.35	\$ 190.35	\$ 190.35	\$ 190.35	\$ 190.35	\$ 71.25	\$ 49.83			\$ 19.72	
60	On a per kWh basis																	
61	T&D				\$ 0.02148	\$ 0.02139	\$ 0.01600	\$ 0.01433	\$ 0.00758	\$ 0.01351	\$ 0.00669	\$ 0.00863	\$ 0.02351	\$ 0.01968	\$ 0.07379	\$ 0.07919	\$ 0.01434	
62	PS - IMPA Dem				\$ 0.05964	\$ 0.05872	\$ 0.04964	\$ 0.05001	\$ 0.04218	\$ 0.04535	\$ 0.03758	\$ 0.04402	\$ 0.04598	\$ 0.05240	\$ 0.02011	\$ 0.01909	\$ 0.04792	
63	PS - Eng				\$ 0.02857	\$ 0.02857	\$ 0.02857	\$ 0.02857	\$ 0.02761	\$ 0.02857	\$ 0.02761	\$ 0.02761	\$ 0.02857	\$ 0.02857	\$ 0.02857	\$ 0.02857	\$ 0.02857	
64	Total				\$ 0.10969	\$ 0.10868	\$ 0.09421	\$ 0.09291	\$ 0.07738	\$ 0.08743	\$ 0.07188	\$ 0.08027	\$ 0.09806	\$ 0.10066	\$ 0.12248	\$ 0.12685	\$ 0.09047	
65	On a per kW basis																	
66	T&D				\$ 3.62	\$ 3.55	\$ 4.97	\$ 6.29	\$ 3.84	\$ 6.22	\$ 4.36	\$ 3.42	\$ 5.98	\$ 5.54	\$ 30.88	\$ 34.92	\$ 11.19	
67	PS - IMPA Dem				\$ 10.06	\$ 9.75	\$ 15.41	\$ 21.97	\$ 21.36	\$ 20.86	\$ 24.46	\$ 17.45	\$ 11.69	\$ 14.74	\$ 8.42	\$ 8.42	\$ 7.39	
68	Total				\$ 13.68													

RPLRD - WPJAM1
 Cost of Service - Output from Att. JAM-R1

A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S
Line No.	Description	Source Document	Test Year	Allocation Factor	Residential Electric Service	Commercial Lighting Service	General Power Service	Large Power - Secondary	Large Power Services - Coincident Peak - Primary	Large Power Services - Coincident Peak - Secondary	Industrial Service - Primary	Industrial Service - Coincident Peak - Primary	Electric Heating Schools	General Electric Heating	Outdoor Lighting Services	Street Light Services	Total
75	Power Supply per kW (SMD)				\$ 10.06	\$ 9.75	\$ 15.41	\$ 21.97	\$ 21.36	\$ 20.86	\$ 24.46	\$ 17.45	\$ 11.69	\$ 14.74	\$ 8.42	\$ 8.42	
76	T&D per kW (SMD)				\$ 5.13	\$ 6.43	\$ 6.01	\$ 6.84	\$ 3.93	\$ 6.48	\$ 4.39	\$ 3.46	\$ 6.51	\$ 6.75	\$ 30.88	\$ 34.92	
77	Energy																
78	Power Supply per kWh (Nefl) (Trans)				\$ 0.027208	\$ 0.027208	\$ 0.027208	\$ 0.027208	\$ 0.027208	\$ 0.027208	\$ 0.027208	\$ 0.027208	\$ 0.027208	\$ 0.027208	\$ 0.027208	\$ 0.027208	
79	Power Supply per kWh (@ Meter)				\$ 0.028573	\$ 0.028573	\$ 0.028573	\$ 0.028573	\$ 0.027611	\$ 0.028573	\$ 0.027611	\$ 0.027611	\$ 0.028573	\$ 0.028573	\$ 0.028573	\$ 0.028573	
80	Power Supply per kWh (Secondary)				\$ 0.028573	\$ 0.028573	\$ 0.028573	\$ 0.028573		\$ 0.028573			\$ 0.028573	\$ 0.028573	\$ 0.028573	\$ 0.028573	
81	Power Supply per kWh (Primary)								\$ 0.027611		\$ 0.027611	\$ 0.027611		\$ 0.028573	\$ 0.028573	\$ 0.028573	
82	Customer				\$ 6.47	\$ 7.73	\$ 29.15	\$ 66.21	\$ 66.21	\$ 66.21	\$ 66.21	\$ 66.21	\$ 29.15	\$ 7.73			
83	Class Cost Allocation																
84	Power Supply - Demand				25.9%	4.8%	15.2%	7.5%	17.2%	13.4%	9.5%	5.7%	0.1%	0.4%	0.1%	0.3%	100%
85	Power Supply - Energy				21.1%	4.0%	14.9%	7.2%	19.1%	14.3%	11.8%	6.0%	0.1%	0.4%	0.4%	0.7%	100%
86	T/D - Demand				31.4%	5.3%	17.5%	7.6%	11.6%	14.1%	6.3%	4.2%	0.1%	0.5%	0.3%	0.6%	100%
87	Customer Charges				58.0%	18.5%	15.0%	3.1%	0.9%	3.7%	0.2%	0.2%	0.0%	0.4%	0.0%	0.0%	100%
88	Lighting Costs				0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	30.6%	69.4%	100%
89	Additional Calculations																
90	Substation Discount								\$0.61								
91	CP Rate At System								\$25.55	\$25.55		\$25.55					
92	CP Rate At Meter								\$25.95	\$26.92		\$23.45					
93	CP Demand at Meter	COSS - Att. JAM-8							285,560	214,725		104,488					
94	T&D rate						\$ 5.93	\$ 3.73									

Allocation Factors

Line No.	Description	Residential Electric Service	Commercial Lighting Service	General Power Service	Large Power - Secondary	Large Power Services - Coincident Peak - Primary	Large Power Services - Coincident Peak - Secondary	Industrial Service - Primary	Industrial Service - Coincident Peak - Primary	Electric Heating Schools	General Electric Heating	Outdoor Lighting Services	Street Light Services	Total
95	Direct Assignment Allocators													
96	Residential Electric Service	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
97	Commercial Lighting Service	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
98	General Power Service	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
99	Large Power - Primary	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
100	Large Power Service - Secondary	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
101	Large Power Services - Coincident Peak - Primary	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%
102	Large Power Services - Coincident Peak - Secondary	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%
103	Industrial Service - Primary	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
104	Industrial Service - Coincident Peak - Primary	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%
105	Electric Heating Schools	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%
106	General Electric Heating	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
107	Outdoor Lighting Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%
108	Street Light Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
109	Derived Allocators													
110	Average Customer Count	15,947	4,041	879	54	22	363,887	305,895	177,433	153,190		29		21,029
111	Sum of Max Demands (kVA)	0%	0%	0%	13%	31%	266	15%	13%	0%	0%	0%	0%	100%
112	Sum of Max Demands (kW)	1,113,135	212,583	427,244	146,908	346,975	277,105	167,526	140,410	1,915	11,864	7,575	14,889	2,868,128
113	Net Energy for Load	438,240	81,112	257,752	126,344	290,108	226,275	160,408	95,894	876	6,846	2,496	4,906	1,691,255
114	1 Non-Coincident Peak	50,344	9,422	29,317	11,531	28,777	22,073	15,501	11,770	189	945	663	1,303	181,335
115	Secondary 1 Non-Coincident Peak	50,344	9,422	29,317	11,531	22,073				189	945	663	1,303	125,786
116	Transformer Sum of Max Demands	1,113,135	212,583	301,547	146,908		277,105			1,915	11,864	7,567	14,889	2,087,512
117	Transformer Sum of Max Demands Excluding Lighting	1,113,135	212,583	301,547	146,908		277,105			1,915	11,864			2,065,006
118	Cost-Weighted Meters	15,947	4,041	879	54	22	363,887	305,895	177,433	153,190		29		27,966
119	Metered Energy	197,128,262	37,058,365	139,311,382	67,773,263	178,302,413	148,000,000	133,874,866	110,666,668	56,475,223	511,340	3,504,737	3,329,101	6,894,811
120	Meter Reading	15,947	4,041	879	54	22	363,887	305,895	177,433	153,190		29		32,118
121	Accounting	15,947	4,041	1,757	269	109				241	20	20	4	22,437
122	Customer Service	62%	16%	17%	2%	1%				482	40	40	10	25,738
123		15,947												15,947

RPLRD - WPJAM1
 Cost of Service - Output from Att. JAM-R1

A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S
Line No.	Description	Source Document	Test Year	Allocation Factor Wtg. Cust - Sales	Residential Electric Service 100%	Commercial Lighting Service 0%	General Power Service 0%	Large Power Service - Secondary 0%	Large Power Services - Coincident Peak - Primary 0%	Large Power Services - Coincident Peak - Secondary 0%	Industrial Service - Primary 0%	Industrial Service - Coincident Peak - Primary 0%	Electric Heating Schools 0%	General Electric Heating 0%	Outdoor Lighting Services 0%	Street Light Services 0%	Total 100%
155	Sales																
156																	
157	N/A			N/A	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

RPLRD-WPJAM2																
Class Revenue Phase Targets																
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
Line No.	Rate	Test Year				Equal Increases Necessary	Phase 1			Phase 2			Phase 3		Phase 3 diff from COS	New Cumulative % Change to Ph 3
		Current Rate Revenue	COS	Indicated Rate Adjustment (\$)	Indicated Rate Adjustment (%)		Phase 1	Phase 1	Phase 2	Phase 2	Phase 3	Phase 3	COS			
1	Residential Electric Service	\$19,139,254	\$23,511,483	\$4,372,229	22.84%	7.10%	3.65%	\$19,837,837	3.90%	\$20,611,512	3.90%	\$21,415,361	\$23,511,483	-\$2,096,122	11.89%	
2	Commercial Lighting Service	5,137,269	4,821,349	(315,920)	(6.15%)	(3.12%)	2.58%	\$5,269,964	0.00%	\$5,269,964	0.00%	\$5,269,964	\$4,821,349	\$448,615	2.58%	
3	General Power Service	13,019,416	13,249,216	229,801	1.77%	0.88%	3.48%	\$13,473,058	0.86%	\$13,588,461	0.00%	\$13,588,461	\$13,249,216	\$339,245	4.37%	
4	Large Power Service - Secondary	5,752,108	6,119,415	367,308	6.39%	3.14%	5.00%	\$6,039,713	3.86%	\$6,272,662	0.00%	\$6,272,662	\$6,119,415	\$153,246	9.05%	
5	Large Power Services - Coincident Peak - Primary	13,429,513	13,645,609	216,096	1.61%	0.80%	3.41%	\$13,886,792	0.78%	\$13,995,271	0.00%	\$13,995,271	\$13,645,609	\$349,662	4.21%	
6	Large Power Services - Coincident Peak - Secondary	10,352,869	11,256,380	903,511	8.73%	4.27%	5.00%	\$10,870,513	5.00%	\$11,414,038	1.08%	\$11,536,797	\$11,256,380	\$280,417	11.44%	
7	Industrial Service - Primary	7,727,796	7,847,936	120,139	1.55%	0.77%	3.38%	\$7,988,788	0.75%	\$8,049,089	0.00%	\$8,049,089	\$7,847,936	\$201,153	4.16%	
8	Industrial Service Coincident Peak - Primary	4,671,040	4,476,172	(194,868)	(4.17%)	(2.11%)	2.58%	\$4,791,692	0.00%	\$4,791,692	0.00%	\$4,791,692	\$4,476,172	\$315,521	2.58%	
9	Electric Heating Schools	44,545	49,460	4,915	11.03%	3.55%	4.40%	\$46,505	4.40%	\$48,551	4.40%	\$50,687	\$49,460	\$1,228	13.79%	
10	General Electric Heating	332,878	352,986	20,108	6.04%	2.98%	5.00%	\$349,522	3.52%	\$361,840	0.00%	\$361,840	\$352,986	\$8,854	8.70%	
11	Outdoor Lighting Services	262,733	388,272	125,539	47.78%	13.90%	4.40%	\$274,294	4.40%	\$286,363	4.40%	\$298,963	\$388,272	-\$89,309	13.79%	
12	Street Light Services	847,936	832,876	(15,060)	(1.78%)	(0.89%)	5.00%	\$890,333	3.37%	\$920,366	0.00%	\$920,366	\$832,876	\$87,490	8.54%	
13	Total	\$80,717,356	\$86,551,153	\$5,833,797	7.23%		3.72%	\$83,719,009	2.26%	\$85,609,809	1.10%	\$86,551,153	\$86,551,153	\$0	7.23%	
								3.57%		\$83,599,117	2.32%	\$85,538,517		1.18%	\$86,550,972	
		Phase Percent Increases			Phase Revenues			Allocated Shortfall								
14	Rate	Phase 1	Phase 2	Phase 3	Phase 1	Phase 2	Phase 3	Phase 1	Phase 2	Phase 3	Total					
15	Residential Electric Service	3.65%	3.90%	3.90%	\$19,837,837	\$20,611,512	\$21,415,361	\$0	\$0	\$0		Phase 1 Logic	Phase 2 Logic			
16	Commercial Lighting Service	0.00%	0.00%	0.00%	\$5,137,269	\$5,137,269	\$5,137,269	\$132,695	\$132,695	\$0	\$265,389.84	\$5,394,132	\$5,533,461.91			
17	General Power Service	0.88%	0.88%	0.00%	\$13,133,813	\$13,249,216	\$13,249,216	\$339,245	\$339,245	\$0	\$678,489.04	\$13,670,386	\$14,146,710.79			
18	Large Power Service - Secondary	3.14%	3.14%	0.00%	\$5,932,920	\$6,119,415	\$6,119,415	\$106,793	\$153,246	\$0	\$306,492.94	\$6,039,713	\$6,341,698.79			
19	Large Power Services - Coincident Peak - Primary	0.80%	0.80%	0.00%	\$13,537,129	\$13,645,609	\$13,645,609	\$349,662	\$349,662	\$0	\$699,324.23	\$14,100,988	\$14,581,131.16			
20	Large Power Services - Coincident Peak - Secondary	4.27%	4.27%	0.00%	\$10,795,176	\$11,256,380	\$11,256,380	\$75,337	\$157,659	\$0	\$557,675.70	\$10,870,513	\$11,414,038.20			
21	Industrial Service - Primary	0.77%	0.77%	0.00%	\$7,787,634	\$7,847,936	\$7,847,936	\$201,153	\$201,153	\$0	\$402,306.96	\$8,114,186	\$8,388,227.31			
22	Industrial Service Coincident Peak - Primary	0.00%	0.00%	0.00%	\$4,671,040	\$4,671,040	\$4,671,040	\$120,652	\$120,652	\$0	\$241,304.59	\$4,904,592	\$5,031,276.87			
23	Electric Heating Schools	4.40%	4.40%	4.40%	\$46,505	\$48,551	\$50,687	\$0	\$0	\$0						
24	General Electric Heating	2.98%	2.98%	0.00%	\$342,784	\$352,986	\$352,986	\$6,737	\$8,854	\$0	\$17,708.14	\$349,522	\$366,997.82			
25	Outdoor Lighting Services	4.40%	4.40%	4.40%	\$274,294	\$286,363	\$298,963	\$0	\$0	\$0						
26	Street Light Services	2.90%	2.90%	0.00%	\$872,526	\$897,829	\$897,829	\$17,807	\$22,537	\$0	\$45,074.44	\$890,333	\$934,849.23			
27	Total				\$82,368,927	\$84,124,105	\$84,942,690	\$1,350,081	\$1,485,704	\$0						
											\$3,213,766				105%	

RPLRD-WPJAM3 Current Tariff Rates		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Line No.	DESCR	Year	Source Document	Units	CABLE	Commercial Lighting Service CL	Electric Heating Schools EHS	General Electric Heating GEH	General Power Service GP	Industrial Service - Primary IS	Industrial Service (On/Off Peak) IS	Industrial Service Coincident Peak - Primary IS-COIN	Large Power Service - Secondary LPS	Large Power Service (On/Off-Peak) LPS	Large Power Services - Coincident Peak LPS-COIN	Residential Electric Service R	Transmission Service TS	Transmission Service (Optional Coincident Peak Service) TS-COIN		
1	Facilities Charge	2018	SD 45	\$/Month		17.50			20.00									10.00		
2	KWH Charge	2018	SD 45	\$/kWh		0.06046	0.05349							0.02919	0.02919					
3	First 350 KWH	2018	SD 45	\$/kWh															0.06492	
4	Next 1150 KWH	2018	SD 45	\$/kWh															0.04909	
5	ALL KWH ABOVE 1500	2018	SD 45	\$/kWh															0.04563	
6	For the first 170 KWH	2018	SD 45	\$/Month				16.40												
7	FOR THE NEXT 30 KWH	2018	SD 45	\$/kWh				0.09878												
8	FOR THE NEXT 6800 KWH	2018	SD 45	\$/kWh				0.06310												
9	FOR ALL KWH ABOVE 7000	2018	SD 45	\$/kWh				0.05028												
10	FIRST 500 KWH	2018	SD 45	\$/kWh					0.07721											
11	NEXT 1500 KWH	2018	SD 45	\$/kWh					0.06046											
12	NEXT 3000 KWH	2018	SD 45	\$/kWh					0.05576											
13	ALL KWH ABOVE 5000	2018	SD 45	\$/kWh					0.05055											
14	Energy Charge - LPSCOIN	2018	SD 45	\$/kWh													0.02437			
15	Energy Charge -IS	2018	SD 45	\$/kWh						0.02437	0.02437									
16	Energy Charge - ISCOIN	2018	SD 45	\$/kWh								0.02437								
17	Energy Cost Adjustment Factor Q1	2019	SD 45	\$/kWh		0.06381	0.03981	0.03981	0.03981	0.01108	0.01108	0.01108		0.01108	0.01108	0.01108	0.03933			
18	Energy Cost Adjustment Factor Q2	2019	SD 45	\$/kWh		0.05841	0.03651	0.03651	0.03651	0.01128	0.01128	0.01128		0.01128	0.01128	0.01128	0.03650			
19	Energy Cost Adjustment Factor Q3	2019	SD 45	\$/kWh		0.05429	0.03489	0.03489	0.03489	0.01126	0.01126	0.01126		0.01126	0.01126	0.01126	0.03436			
20	Energy Cost Adjustment Factor Q4	2018	SD 45	\$/kWh		0.06864	0.04166	0.04166	0.04166	0.01108	0.01108	0.01108		0.01108	0.01108	0.01108	0.04199			
21	Demand Charge	2018	SD 45	\$/kW(KVA)															7.71	7.74
22	ALL KW OVER 30 KW	2018	SD 45	\$/kW				3.20												
23	ALL KW ABOVE 25 KW	2018	SD 45	\$/kW					2.80											
24	Billing Demand Charge - LPS	2018	SD 45	\$/KVA									7.77	7.77						
25	Adjusted Demand Chg - LPS COIN	2018	SD 45	\$/kW																
26	Billing Demand Charge - IS	2018	SD 45	\$/KVA						8.67	8.67						7.77			
27	Adjusted Demand Chg - ISCOIN	2018	SD 45	\$/kW																
28	T&D Charge - LPS COIN	2018	SD 45	\$/KVA								7.47								
29	T&D Charge - IS COIN	2018	SD 45	\$/KVA									1.90							
30	Substation Ownership Credit	2018	SD 45	\$/KVA																
31	T&D Charge - TS COIN	2018	SD 45	\$/KVA																0.71
32	Demand KW Cost Adjustment Factor Q1	2019	SD 45	\$/kW									14.82							
33	Demand KW Cost Adjustment Factor Q2	2019	SD 45	\$/kW									14.48							
34	Demand KW Cost Adjustment Factor Q3	2019	SD 45	\$/kW									14.45							
35	Demand KW Cost Adjustment Factor Q4	2018	SD 45	\$/kW									15.24							
36	Demand KVA Cost Adjustment Factor Q1	2019	SD 45	\$/KVA						12.59	12.59		12.59	12.59						
37	Demand KVA Cost Adjustment Factor Q2	2019	SD 45	\$/KVA						12.30	12.30		12.30	12.30						
38	Demand KVA Cost Adjustment Factor Q3	2019	SD 45	\$/KVA						12.27	12.27		12.27	12.27						
39	Demand KVA Cost Adjustment Factor Q4	2018	SD 45	\$/KVA						12.94	12.94		12.94	12.94						

RPLRD-WPJAM4
 Current Lighting Rates

A	B	C	D	E	F	G	H	I
Line No.	DESCR	Year	Source Document	Units	Commercial Lighting Service CL	Municipal Street Lighting M	Street Lighting Service N	Outdoor Lighting Service OL
1	Energy Cost Adjustment Factor	2018	SD 45	\$/kWh	0.06864	0.01115	0.01115	0.01115
2	KWH Charge	2018	SD 45	\$/kWh	0.06046			
3	100 W Sodium Vapor-UG-Fiber	2018	SD 45	\$/Lamp/Month		6.68		
4	100 W Sodium Vapor-UG-Metal	2018	SD 45	\$/Lamp/Month		6.68		
5	150 W Sodium Vapor-OH-Metal	2018	SD 45	\$/Lamp/Month		10.77		
6	150 W Sodium Vapor-OH-Metal-T	2018	SD 45	\$/Lamp/Month		14.34		
7	150 W Sodium Vapor-OH-Wood	2018	SD 45	\$/Lamp/Month		7.02		
8	150 W Sodium Vapor-UG-Metal	2018	SD 45	\$/Lamp/Month		14.36		
9	150 W Sodium Vapor-UG-Metal-T	2018	SD 45	\$/Lamp/Month		18.02		
10	175 W Mercury Vapor UG-Metal	2018	SD 45	\$/Lamp/Month		15.61		
11	175 W Mercury Vapor UG-Metal-S	2018	SD 45	\$/Lamp/Month		7.55		
12	175 W Mercury Vapor-UG-Wood	2018	SD 45	\$/Lamp/Month		11.22		
13	175 W Metal Hal-UG-Metal-C-S	2018	SD 45	\$/Lamp/Month		7.73		
14	175 W Metal Hal-UG-Metal-C-T	2018	SD 45	\$/Lamp/Month		10.62		
15	175 W Metal Halide-UG-Metal	2018	SD 45	\$/Lamp/Month		14.31		
16	250 W Mercury Vapor-OH-Metal	2018	SD 45	\$/Lamp/Month		11.57		
17	250 W Mercury Vapor-OH-Wood	2018	SD 45	\$/Lamp/Month		8.06		
18	250 W Mercury Vapor-UG-Metal-S	2018	SD 45	\$/Lamp/Month		16.12		
19	250 W Sodium Vapor-OH-Metal	2018	SD 45	\$/Lamp/Month		11.61		
20	250 W Sodium Vapor-OH-Wood	2018	SD 45	\$/Lamp/Month		8.06		
21	250 W Sodium Vapor-UG-Metal	2018	SD 45	\$/Lamp/Month		16.12		
22	250 W Sodium Vapor-UG-Metal-T	2018	SD 45	\$/Lamp/Month		19.14		
23	250 W Sodium Vapor-OH-Metal-T	2018	SD 45	\$/Lamp/Month		16.64		
24	400 W Metal Hal-UG-Metal-C-S	2018	SD 45	\$/Lamp/Month		9.11		
25	400 W Sodium Vapor-OH-Wood	2018	SD 45	\$/Lamp/Month		26.48		
26	400 W Sodium Vapor-UG-Metal	2018	SD 45	\$/Lamp/Month		28.07		
27	1000 W Metal Hal-UG-Metal-C-S	2018	SD 45	\$/Lamp/Month		33.80		
28	JAN ECA on adjusted KWH	2018	SD 45	\$/kWh		0.011035	0.011035	0.011035
29	FEB ECA on adjusted KWH	2018	SD 45	\$/kWh		0.011035	0.011035	0.011035

RPLRD-WPJAM4
 Current Lighting Rates

A	B	C	D	E	F	G	H	I
Line No.	DESCR	Year	Source Document	Units	Commercial Lighting Service CL	Municipal Street Lighting M	Street Lighting Service N	Outdoor Lighting Service OL
30	MAR ECA on adjusted KWH	2018	SD 45	\$/kWh		0.011035	0.011035	0.011035
31	APR ECA on adjusted KWH	2018	SD 45	\$/kWh		0.011638	0.011638	0.011638
32	MAY ECA on adjusted KWH	2018	SD 45	\$/kWh		0.011638	0.011638	0.011638
33	JUN ECA on adjusted KWH	2018	SD 45	\$/kWh		0.011638	0.011638	0.011638
34	JUL ECA on adjusted KWH	2018	SD 45	\$/kWh		0.010907	0.010907	0.010907
35	AUG ECA on adjusted KWH	2018	SD 45	\$/kWh		0.010907	0.010907	0.010907
36	SEP ECA on adjusted KWH	2018	SD 45	\$/kWh		0.010907	0.010907	0.010907
37	OCT ECA on adjusted KWH	2018	SD 45	\$/kWh		0.011146	0.011146	0.011146
38	NOV ECA on adjusted KWH	2018	SD 45	\$/kWh		0.011146	0.011146	0.011146
39	DEC ECA on adjusted KWH	2018	SD 45	\$/kWh		0.011146	0.011146	0.011146
40	150 Sodium Vapor-UG-Metal	2018	SD 45	\$/Lamp/Month			21.38	
41	4-400 W Mercury Vapor-UG-Met-N	2018	SD 45	\$/Lamp/Month			43.70	
42	2-400 W Sodium Vapor-UG-Met-N	2018	SD 45	\$/Lamp/Month			36.54	
43	400 W Sodium Vapor-UG-Metal-N	2018	SD 45	\$/Lamp/Month			26.54	
44	70 W Sodium Vapor-UG-Metal	2018	SD 45	\$/Lamp/Month			18.65	
45	70W Sodium Vapor-UG-Metal Twin	2018	SD 45	\$/Lamp/Month			21.65	
46	SL <400W -OH-Wood	2018	SD 45	\$/Lamp/Month			10.07	
47	100W Sodium Vapor OL	2018	SD 45	\$/Lamp/Month				4.66
48	150W Sodium Vapor OL	2018	SD 45	\$/Lamp/Month				5.12
49	175W Mercury Vapor OL	2018	SD 45	\$/Lamp/Month				6.75
50	250W Mercury Vapor OL	2018	SD 45	\$/Lamp/Month				8.42
51	250W Metal Halide Flood OL	2018	SD 45	\$/Lamp/Month				7.39
52	250W Sodium Vapor Flood OL	2018	SD 45	\$/Lamp/Month				7.23
53	250W Sodium Vapor OL	2018	SD 45	\$/Lamp/Month				9.58
54	400W Mecury Vapor OL	2018	SD 45	\$/Lamp/Month				10.12
55	400W Metal Halide Flood OL	2018	SD 45	\$/Lamp/Month				8.66
56	400W Sodium Vapor Flood OL	2018	SD 45	\$/Lamp/Month				8.58

RPLRD - WPJAM5
 ECA Rates

A	B	C	D	E	F	G	H	I	J
Line No.	Quarter	Source Document	R (\$/KWH)	CL (\$/KWH)	GP, GEH, EHS (\$/KWH)	LSP, IS (\$/KVA)	LSP, IS (\$/KW)	LSP, IS (\$/KWH)	OL, M, N (\$/KWH)
1	January, February, March 2018 ECA	SD 45	0.04176	0.06827	0.04142	13.28	15.64	0.01104	0.01104
2	April, May, June 2018 ECA	SD 45	0.03614	0.05730	0.03592	13.22	15.57	0.01162	0.01164
3	July, August, September 2018 ECA	SD 45	0.03331	0.05288	0.03409	14.04	16.53	0.01089	0.01091
4	October, November, December 2018 ECA	SD 45	0.04199	0.06864	0.04166	12.94	15.24	0.01108	0.01115
5	January, February, March 2019 ECA	SD 45	0.03933	0.06381	0.03981	12.59	14.82	0.01108	0.01105
6	April, May, June 2019 ECA	SD 45	0.03650	0.05841	0.03651	12.30	14.48	0.01128	0.01128
7	July, August, September 2019 ECA	SD 45	0.03436	0.05429	0.03489	12.27	14.45	0.01126	0.01126
8	October, November, December 2019 ECA	SD 45	0.03996	0.06495	0.03980	12.53	14.75	0.01102	0.01103

RPLRD - WPJAM6																				
Monthly sales and customer count by class																				
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q				
Line No.	Class	Source Document	Component	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	October 2018 -	September 2019			
1	Residential Electric Service		Customer Count	15,878	15,924	15,909	15,873	15,930	15,953	16,012	15,975	16,002	15,963	15,955	15,995	October 2018 -	September 2019	191,369		
2			Sales ⁽¹⁾	\$1,352,646	\$1,756,995	\$2,070,028	\$2,071,155	\$2,374,256	\$1,975,255	\$1,607,263	\$1,312,099	\$1,476,266	\$1,769,149	\$1,975,820	\$1,733,586	\$1,733,586	\$21,474,519			
3	Commercial Lighting Service		Customer Count	4,095	4,120	4,073	4,047	4,071	4,049	4,019	3,973	3,975	4,009	4,008	4,050	October 2018 -	September 2019	48,489		
4			Sales ⁽¹⁾	\$363,443	\$443,236	\$496,030	\$485,675	\$557,542	\$477,117	\$407,636	\$345,905	\$379,139	\$424,308	\$461,498	\$443,074	\$443,074	\$5,284,603			
5	General Power Service		Customer Count	878	884	875	879	872	876	876	876	884	877	882	877	883	October 2018 -	September 2019	10,543	
6			Sales ⁽¹⁾	\$1,132,701	\$1,126,401	\$1,092,251	\$1,108,326	\$1,133,412	\$1,076,405	\$1,037,259	\$1,050,798	\$1,147,676	\$1,226,597	\$1,262,068	\$1,214,453	\$1,262,068	\$13,608,346			
7	Large Power Service - Secondary		Customer Count	56	55	55	55	54	53	53	53	53	53	53	53	53	October 2018 -	September 2019	646	
8			Sales ⁽¹⁾	\$528,243	\$514,461	\$527,990	\$577,295	\$529,512	\$541,841	\$491,784	\$489,548	\$509,368	\$537,789	\$526,108	\$516,419	\$526,108	\$6,290,359			
9	Large Power Services - Coincident Peak - Secondary		Customer Count	48	48	48	48	48	48	49	49	48	48	48	48	48	October 2018 -	September 2019	578	
10			Sales ^(1,2)	\$983,614	\$913,433	\$907,531	\$856,189	\$883,364	\$862,965	\$966,689	\$975,690	\$1,004,404	\$1,048,240	\$1,077,985	\$1,075,272	\$1,077,985	\$11,555,376			
11	Large Power Services - Coincident Peak - Primary		Customer Count	23	22	22	22	22	22	22	22	22	21	21	21	21	October 2018 -	September 2019	262	
12			Sales ^(1,2)	\$1,226,470	\$1,128,180	\$1,063,665	\$1,185,338	\$1,126,206	\$1,164,159	\$1,144,541	\$1,193,461	\$1,202,576	\$1,167,694	\$1,227,106	\$1,200,765	\$1,227,106	\$14,030,161			
13	Industrial Service - Primary		Customer Count	4	4	4	4	4	4	4	4	4	4	4	4	4	October 2018 -	September 2019	48	
14			Sales ^(1,2)	\$698,070	\$638,066	\$638,682	\$643,368	\$605,719	\$639,636	\$640,342	\$672,830	\$678,448	\$675,653	\$702,589	\$710,505	\$710,505	\$7,943,906			
15	Industrial Service - Coincident Peak - Primary		Customer Count	4	4	4	4	4	4	4	4	4	4	4	4	4	October 2018 -	September 2019	48	
16			Sales ^(1,2)	\$401,250	\$400,973	\$403,621	\$415,470	\$367,055	\$415,587	\$396,222	\$366,837	\$387,844	\$427,122	\$378,692	\$444,524	\$444,524	\$4,805,197			
17	Electric Heating Schools		Customer Count	2	2	2	2	2	2	2	2	2	2	2	2	2	October 2018 -	September 2019	24	
18			Sales	\$2,688	\$3,283	\$4,552	\$4,658	\$6,795	\$5,289	\$3,812	\$3,784	\$2,860	\$3,683	\$5,010	\$4,418	\$4,418	\$50,829			
19	General Electric Heating		Customer Count	29	29	29	29	29	29	28	28	28	28	28	28	28	October 2018 -	September 2019	342	
20			Sales	\$27,316	\$30,581	\$32,202	\$32,354	\$37,932	\$32,176	\$27,548	\$23,565	\$28,792	\$29,313	\$30,706	\$30,358	\$30,358	\$362,842			
21	Class	SD 35	Month	10/1/2018	11/1/2018	12/1/2018	1/1/2019	2/1/2019	3/1/2019	4/1/2019	5/1/2019	6/1/2019	7/1/2019	8/1/2019	9/1/2019	October 2018 -	September 2019			
22	Residential Electric Service	SD 35	Customer Count	15,878	15,924	15,909	15,873	15,930	15,953	16,012	15,975	16,002	15,963	15,955	15,995	October 2018 -	September 2019	191,369		
23		SD 35	Energy	11,364,349	15,326,522	18,399,989	18,415,372	21,382,726	17,464,734	13,846,691	10,994,818	12,562,475	15,441,097	17,470,035	15,088,287	187,717,095				
24		SD 35	Energy	2,296,864	2,950,725	3,394,224	3,313,265	3,901,918	3,242,333	2,674,379	2,173,088	2,446,860	2,813,600	3,120,522	2,961,373	35,289,149				
25	Commercial Lighting Service	SD 35	Customer Count	4,095	4,120	4,073	4,047	4,071	4,049	4,019	3,973	3,975	4,009	4,008	4,050	48,489				
26	General Power Service	SD 35	Customer Count	878	884	875	879	872	876	876	884	877	882	877	883	10,543				
27		SD 35	Energy	10,781,148	10,970,923	10,662,341	10,846,865	11,183,428	10,437,662	9,940,032	10,090,945	11,214,680	12,009,544	12,548,110	11,974,792	132,660,470				
28		SD 35	Demand (KW)	38,608	35,353	33,808	34,079	34,082	33,986	33,782	34,011	35,854	38,646	37,862	427,244					
29	Large Power Service - Secondary	SD 35	Customer Count	56	55	55	55	54	53	53	53	53	53	53	646					
30		SD 35	Billed Energy	5,327,626	5,275,938	5,557,981	6,094,341	5,302,344	5,564,898	4,771,977	5,039,240	5,104,582	5,599,392	5,592,921	5,306,437	64,537,677				
31		SD 35	SMD (KVA)	13,202	12,731	12,876	14,094	13,304	13,435	12,548	12,083	12,784	13,225	12,767	155,829					
32	Large Power Services - Coincident Peak - Secondary	SD 35	Customer Count	48	48	48	48	48	48	49	49	48	48	48	578					
33		SD 35	Billed Energy	10,935,405	9,909,250	9,959,292	9,962,087	9,775,786	10,245,161	10,657,733	10,426,679	10,494,008	11,615,713	11,973,163	11,529,224	127,483,501				
34		SD 35	CP Demand (KW)	18,244	17,113	16,646	15,492	16,294	15,711	17,746	18,260	19,258	19,525	20,127	20,310	214,725				
35		SD 35	PF-Adj Demand (KW)	19,126	17,985	17,704	16,047	17,102	15,866	18,669	19,068	20,434	20,752	21,396	21,633	225,782				
36		SD 35	Demand (KVA)	26,057	24,264	24,301	23,078	23,818	23,709	26,615	27,489	25,748	26,296	26,684	27,336	305,395				
37	Large Power Services - Coincident Peak - Primary	SD 35	Customer Count	23	22	22	22	22	22	22	22	22	21	21	21	262				
38		SD 35	Billed Energy	15,963,850	13,954,150	12,589,500	15,073,100	13,808,550	15,343,300	14,536,550	15,096,900	15,196,300	14,857,850	14,941,500	14,338,800	175,700,350				
39		SD 35	CP Demand (KW)	24,252	23,042	22,125	24,343	23,362	23,141	23,038	24,214	24,054	23,410	25,461	25,119	285,560				
40		SD 35	PF-Adj Demand (KW)	24,449	23,180	22,322	24,132	23,228	23,015	22,926	24,262	24,227	23,353	25,626	25,219	285,940				
41		SD 35	Demand (KVA)	30,972	29,238	28,600	29,151	29,506	29,261	30,898	30,226	32,145	31,646	30,874	31,370	363,887				
42	Industrial Service - Primary	SD 35	Customer Count	4	4	4	4	4	4	4	4	4	4	4	4	48				
43		SD 35	Billed Energy	9,533,050	8,913,750	9,104,400	9,051,050	8,192,850	8,927,950	8,706,100	9,369,300	9,307,850	9,088,000	9,317,700	9,539,650	109,051,650				
44		SD 35	SMD (KVA)	15,664	14,033	13,791	14,062	13,698	14,079	14,420	14,842	15,162	15,355	16,155	16,173	177,433				
45	Industrial Service - Coincident Peak - Primary	SD 35	Customer Count	4	4	4	4	4	4	4	4	4	4	4	4	48				
46		SD 35	Billed Energy	4,909,100	4,371,150	4,245,500	4,711,000	4,258,800	4,597,250	4,481,400	4,536,350	4,629,450	5,097,050	4,949,000	4,865,000	55,651,050				
47		SD 35	CP Demand (KW)	8,430	9,103	9,245	9,329	8,043	9,451	8,719	7,522	8,088	9,133	7,493	9,930	104,488				
48		SD 35	PF-Adj Demand (KW)	8,860	9,361	9,568	9,562	8,193	9,721	9,001	7,912	8,562	9,570	7,891	10,457	108,659				
49		SD 35	Demand (KVA)	12,578	12,498	12,567	12,731	12,387	12,390	13,040	12,497	12,926	13,269	13,116	153,190					
50	Electric Heating Schools	SD 35	Customer Count	2	2	2	2	2	2	2	2	2	2	2	2	24				
51		SD 35	Energy	25,216	31,120	43,712	44,768	65,968	51,024	36,368	36,096	26,928	35,088	48,256	42,384	486,928				
52	General Electric Heating	SD 35	Customer Count	29	29	29	29	29	29	28	28	28	28	28	28	342				
53		SD 35	Energy	243,018	280,581	300,245	303,537	355,675	296,738	247,863	200,368	263,687	270,346	287,178	288,180	3,337,416				
54		SD 35	Demand (KW)	969	1,007	1,014	996	1,210	1,053	953	927	949	947	953	887	11,864				

(1) Does not include revenue audit adjustment.
 (2) Does not include minimum KVA charge.

RPLRD-WPJAM7
Competitor Residential Rate Comparison

A	B	C	D	E	F	G	H	I	J	K
Line No.	Consumption	Source Document		Richmond Power & Light Phase III Proposed (A)	Duke Energy IURC Cause 45253 Filed (B)	Difference \$ (B - A)	Difference % (B/A)-1	Whitewater Valley REMC Current (C)	Difference \$ (C - A)	Difference % (C/A)-1
1										
2	Residential Bills									
3	500 kWh	SD 58 , SD 60		\$63.21	\$74.62	\$11.42	18%	\$85.49	\$22.29	35%
4	1,000 kWh	SD 58 , SD 60		\$114.16	\$126.55	\$12.39	11%	\$137.87	\$23.71	21%
5	1,500 kWh	SD 58 , SD 60		\$165.12	\$173.41	\$8.29	5%	\$190.26	\$25.15	15%
6	2,000 kWh	SD 58 , SD 60		\$216.07	\$220.26	\$4.19	2%	\$242.64	\$26.57	12%