



January 4, 2013  
Phase In Plan Rate

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LINE  
 NO. Phase In Plan Rate (PIPR)

1 Revenue Requirement Calculation \$ 1,381,413 Schedule B, Line 13 (page 3)

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Col. A	Col. B	Col. C	Col. D	Col. E	Col. F
Demand Allocator (Note 1)	Total Revenue Requirement (line 1 x Col.A)	Balancing Account (Note 2)	Net Total Revenue Requirement (Col. B + Col. C)	Forecasted kWh Billing (Note 3)	Phase In Plan Rate per kWh (Col. D ÷ Col. E)
<b>Customer Class</b>					
Residential Service	34.00% \$ 469,680	\$ -	\$ 469,680	164,904,333 \$	0.00285
General Service Small	34.33% 474,239	-	474,239	139,306,667	0.00340
General Service Large	20.73% 286,367	-	286,367	116,018,333	0.00247
Industrial Contract Service	9.97% 137,727	-	137,727	58,872,000	0.00234
Lighting Service	0.97% 13,400	-	13,400	4,661,000	0.00287
<b>Total</b>	<b>100.00% \$ 1,381,413</b>	<b>\$ -</b>	<b>\$ 1,381,413</b>	<b>483,762,333</b>	

Note 1: Demand allocator is the same allocator used in the Transmission Cost Adjustment approved in Docket EL09-018.  
 Note 2: Balancing Account will be determined based on the Phase In Plan Rate Tariff.  
 Note 3: Forecasted kWh Billings is based on the current four month forecasted kWh billings.



LINE NO.	PIPR Revenue Requirement Calculation	Reference	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13
1	Forecasted Monthly Construction Costs	Schedule D	\$18,697,744	\$4,179,846	\$ 5,436,170	\$ 7,091,796	\$ 6,948,647	\$ 6,513,840
2	Forecasted Monthly Cumulative Construction Costs		18,697,744	22,877,590	28,313,760	35,405,556	42,354,203	48,868,042
3	Jurisdictional Allocation		91.53%	91.53%	91.53%	91.53%	91.53%	91.53%
4	SD Forecasted Monthly Cumulative Construction Costs	(line 2 x line 3)	17,114,045	20,939,858	25,915,584	32,406,705	38,766,802	44,728,919
5	Phase In Plan: Rate of Return (Forecasted)	line 21	6.27%	6.27%	6.27%	6.27%	6.27%	6.27%
6	Monthly Return on Costs	(line 4 x line 5 ÷ 12 months)	89,421	109,411	135,409	169,325	202,557	233,709
7	Phase In Plan: Equity Return	line 20	5.45%	5.45%	5.45%	5.45%	5.45%	5.45%
8	Monthly Phase In Plan Return on Equity	(line 4 x line 7 ÷ 12 months)	77,726	95,102	117,700	147,180	176,066	203,144
9	Federal Tax Gross-up Factor	line 25	1.53846	1.53846	1.53846	1.53846	1.53846	1.53846
10	Equity Return Tax Gross-up	(line 8 x line 9)	119,578	146,311	181,077	226,431	270,870	312,529
11	Monthly Revenue Requirement	(line 6 + line 10 - line 8)	131,273	160,620	198,786	248,576	297,361	343,094
12	Carrying Charge (7%)	(line 11 * (7% / 12 months))	766	937	-	-	-	-
13	Monthly Revenue Requirement	(line 11 + line 12)	132,039	161,557	198,786	248,576	297,361	343,094
14								
15	Total Revenue Requirement	(sum of line 13)						<u>\$ 1,381,413</u>
16								
17								
18	<b>Phase In Plan Rate of Return - Forecasted</b>	<b>Percent of Total</b>	<b>Cost</b>	<b>Return</b>				
19	Debt	46.83%	1.76%	0.82%				
20	Equity	53.17%	10.25%	5.45%				
21	Phase In Plan Rate of Return (Forecasted)	100%		6.27%				
22								
23								
24								
25	Federal Tax Gross-up Factor = 1/(1-.35)							



LINE NO.	CUSTOMER IMPACT	CURRENT RATES	PROPOSED PHASE IN PLAN RATE	INCREASE OR (DECREASE)
1				
2	<b><u>Residential Service</u></b>			
3	<i>Phase In Plan Rate</i>			
4	Phase In Plan Rate	\$ / kWh \$ -	\$ 0.00285	\$ 0.00285
5	<i>Total Charge</i>	\$ / kWh \$ -	\$ 0.00285	\$ 0.00285
6				
7				
8	Monthly Customer Charge	\$ 8.25000		\$ 8.25
9	Energy Charge - Base Rate at average monthly kWh	\$ 0.10200 x	650 kWh	\$ 66.30
10	Energy Cost Adjustment at average monthly kWh	\$ 0.00470 x	650 kWh	\$ 3.06
11	Environmental Improvement at average monthly kWh	\$ 0.00190 x	650 kWh	\$ 1.24
12	Energy Efficiency at average monthly kWh	\$ 0.00090 x	650 kWh	\$ 0.59
13	Current Total Bill at monthly average			\$ 79.44
14	Phase In Plan Rate Change at monthly average kWh	\$ 0.00285	650 kWh	\$ 1.85
15	Proposed Total Residential Bill			\$ 81.29
16	Percent Change			2.33%
17				
18				
19				
20	<b><u>Small General Service</u></b>			
21	<i>Phase In Plan Rate</i>			
22	Phase In Plan Rate	\$ / kWh \$ -	\$ 0.00340	\$ 0.00340
23	<i>Total Charge</i>	\$ / kWh \$ -	\$ 0.00340	\$ 0.00340
24				
25				
26	Monthly Customer Charge	\$ 11.00000		\$ 11.00
27	Average Monthly kWh			
28	11.06¢ per kWh for the first 1,000 kWh	\$ 0.1106 x	1,000 kWh	\$ 110.60
29	9.58¢ per kWh for the next 2,000 kWh	\$ 0.0958 x	1,678 kWh	\$ 160.75
30	8.49¢ per kWh for the next 12,000 kWh	\$ 0.0849 x		
31	6.95¢ per kWh for all additional kWh	\$ 0.0695 x		
32				
33	Energy Cost Adjustment at average monthly kWh	\$ 0.00530 x	2,678 kWh	\$ 14.19
34	Environmental Improvement at average monthly kWh	\$ 0.00230 x	2,678 kWh	\$ 6.16
35	Energy Efficiency at average monthly kWh	\$ 0.00080 x	2,678 kWh	\$ 2.14
36	Current Total Bill at monthly average			\$ 304.84
37	Phase In Plan Rate Change at monthly average kWh	\$ 0.00340	2,678 kWh	\$ 9.11
38	Proposed Total Commercial Bill			\$ 313.95
39	Percent Change			2.99%
40				



<u>LINE</u> <u>NO.</u>	<u>Monthly CPGS Construction Costs</u>	<u>Forecast</u>	<u>Actuals</u>
1	February, 2013	\$ 18,697,744	\$ -
2	March, 2013	\$ 4,179,846	\$ -
3	April, 2013	\$ 5,436,170	\$ -
4	May, 2013	\$ 7,091,796	\$ -
5	June, 2013	\$ 6,948,647	\$ -
6	July, 2013	\$ 6,513,840	\$ -
7	August, 2013	\$ 5,303,213	\$ -
8	September, 2013	\$ 5,356,751	\$ -
9	October, 2013	\$ 3,576,970	\$ -
10	November, 2013	\$ 2,405,175	\$ -
11	December, 2013	\$ 4,393,768	\$ -
12	January, 2014	\$ 4,571,958	\$ -
13	February, 2014	\$ 4,357,782	\$ -
14	March, 2014	\$ 4,325,980	\$ -
15	April, 2014	\$ 2,711,930	\$ -
16	May, 2014	\$ 2,497,052	\$ -
17	June, 2014	\$ 2,037,680	\$ -
18	July, 2014	\$ 2,004,480	\$ -
19	August, 2014	\$ 1,630,480	\$ -
20	September, 2014	\$ 1,073,200	\$ -
		<u>\$ 95,114,460</u>	<u>\$ -</u>