



December 17, 2012
Phase In Plan Rate

<u>SCHEDULE</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
A	Phase In Plan Rate (PIPR)	2
B	PIPR Quarterly Revenue Requirement Calculation	3
C	Customer Impact	4
D	Monthly CPGS Construction Costs	5



LINE
 NO. Phase In Plan Rate (PIPR)

1 Quarterly Revenue Requirement Calculation \$ 490,679 Schedule B, Line 13 (page 3)

2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25

	Col. A	Col. B	Col. C	Col. D	Col. E	Col. F
	Demand Allocator (Note 1)	Quarterly Revenue Requirement (line 1 x Col.A)	Balancing Account (Note 2)	Net Quarterly Revenue Requirement (Col. B + Col. C)	Forecasted kWh Billing (Note 3)	Quarterly Phase In Plan Rate per kWh (Col. D ÷ Col. E)
Customer Class						
Residential Service	34.00%	\$ 166,831	\$ -	\$ 166,831	123,678,250	\$ 0.00135
General Service Small	34.33%	168,450	-	168,450	104,480,000	0.00161
General Service Large	20.73%	101,718	-	101,718	87,013,750	0.00117
Industrial Contract Service	9.97%	48,921	-	48,921	44,154,000	0.00111
Lighting Service	0.97%	4,760	-	4,760	3,495,750	0.00136
Total	100.00%	\$ 490,680	\$ -	\$ 490,680	362,821,750	

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 and will initially be included in the Quarterly Phase In Plan rate filing provided no later than six months after the effective date.
 Note 3: Forecasted kWh Billings is based on the current forecasted kWh billings.

26
 27
 28
 29



LINE NO.	PIPR Quarterly Revenue Requirement Calculation	Reference	Feb-13	Mar-13	Apr-13
1	Forecasted Monthly Construction Costs	Schedule D	\$18,697,744	\$4,179,846	\$ 5,436,170
2	Forecasted Monthly Cumulative Construction Costs		18,697,744	22,877,590	28,313,760
3	Jurisdictional Allocation		91.53%	91.53%	91.53%
4	SD Forecasted Monthly Cumulative Construction Costs	(line 2 x 3)	17,114,045	20,939,858	25,915,584
5	Phase In Plan: Rate of Return (Forecasted)	line 19	6.27%	6.27%	6.27%
6	Monthly Return on Costs	(line 4 x line 5 ÷ 12 months)	89,421	109,411	135,409
7	Phase In Plan: Equity Return	line 18	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
9	Federal Tax Gross-up Factor	line 23	1.53846	1.53846	1.53846
10	Equity Return Tax Gross-up	(line 8 x line 9)	119,578	146,311	181,077
11	Monthly Revenue Requirement	(line 6 + line 10 - line 8)	131,273	160,620	198,786
12					
13	Quarterly Revenue Requirement	(sum of line 11)			<u>\$ 490,679</u>
14					
15					
16	Phase In Plan Rate of Return - Forecasted	Percent of Total	Cost	Return	
17	Debt	46.83%	1.76%	0.82%	
18	Equity	53.17%	10.25%	5.45%	
19	Phase In Plan Rate of Return (Forecasted)	100%		6.27%	
20					
21					
22					
23	Federal Tax Gross-up Factor = 1/(1-.35)				



LINE NO.	CUSTOMER IMPACT	CURRENT RATES	PROPOSED PHASE IN PLAN RATE	INCREASE OR (DECREASE)
1				
2	Residential Service			
3	<i>Phase In Plan Rate</i>			
4	Phase In Plan Rate	\$ / kWh \$ -	\$ 0.00135	\$ 0.00135
5	<i>Total Charge</i>	\$ / kWh \$ -	\$ 0.00135	\$ 0.00135
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	\$ 0.00135	650 kWh	\$ 0.88
15	Proposed Total Residential Bill			\$ 80.32
16	Percent Change			1.11%
17				
18				
19				
20	Small General Service			
21	<i>Phase In Plan Rate</i>			
22	Phase In Plan Rate	\$ / kWh \$ -	\$ 0.00161	\$ 0.00161
23	<i>Total Charge</i>	\$ / kWh \$ -	\$ 0.00161	\$ 0.00161
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	\$ 0.00161	2,678 kWh	\$ 4.31
38	Proposed Total Commercial Bill			\$ 309.15
39	Percent Change			1.41%
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>