



October 15, 2018

In The Matter of the Petition of  
Public Service Electric and Gas Company  
for Approval of Gas Base Rate  
Adjustments Pursuant to the Gas System Modernization Program

BPU Docket No. GR18070831

***VIA ELECTRONIC MAIL & OVERNIGHT MAIL***

Aida Camacho-Welch, Secretary of the Board  
Board of Public Utilities  
44 South Clinton Avenue, 9th Flr.  
P.O. Box 350  
Trenton, New Jersey 08625-0350

Dear Secretary Camacho-Welch:

Enclosed please find an original and ten copies of this letter and of Public Service Electric and Gas Company's (PSE&G, the Company) updated schedules in the above-referenced matter providing actual historical data through September 30, 2018, including recalculated rates based on such data. Specifically, enclosed please find:

1. Schedule SS-GSMP-2 (Update)      Revenue Requirement Calculation Summary
  - Updated for actual results through September 30, 2018;
2. Schedule SS-GSMP-3 (Update)      GSMP WACC Calculation
  - Unchanged from original filing;
3. Schedule SS-GSMP-4 (Update)      Revenue Factor Calculation
  - Unchanged from original filing; and
4. Schedule SS-GSMP-5 - UPDATE      Gas Proof of Revenue
  - New rates based on the updated revenue requirement.
5. Schedule WEM-GSMP-3 (Update)      GSMP & Stipulated Base Forecast
  - Updated for actual results through September 30, 2018

In addition, while not included with this hard-copy filing, parties on the service list will receive the electronic workpaper WP-SS-GSMP-1 (Update).xlsx supporting the calculation of the updated revenue requirements with their e-mail of this letter and the other enclosed materials. Please note that from January 1, 2018 through September 30, 2018, the Company has invested \$62.2 million in Stipulated Base and is forecasting \$22.8 million from October 1, 2018 through December 31, 2018. The Company anticipates Stipulated Base expenditures of \$85 million for

calendar year 2018, which meets the Stipulate Base per calendar year requirement of the GSMP Order. Please also see Schedule WEM-GSMP-3 (Update) per the discovery request RCR-A-0003.

Please note that the Company will provide a second update to the revenue requirement and rate design schedules reflecting the terms of the Company's pending base rate case after approval by the Board.

**The Board Order approving the Gas System Modernization Program<sup>1</sup> provides that Revenue Requirements associated with GSMP investments that are placed into service through and including 9/30/18 "shall go into base rates effective 1/1/19." PSE&G suggests that to implement these provisions, this matter would need to be addressed at a Board open public meeting no later than sometime in December 2018.**

Please feel to contact me with any questions on this matter.

Sincerely,



Attachment

C Attached Service List (E-Mail Only)

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<sup>1</sup> The Gas System Modernization Program was approved in a Board Order dated November 16, 2015 in Docket No. GR15030272. Paragraph 19 of the Stipulation adopted by that order addresses this rate filing and the provisions discussed herein.

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# PSE&G Gas System Modernization Program

## Gas Roll-in Calculation

### Roll-in Filing

Schedule SS-GSMP-2 (Update)

in (\$000)

<b>Rate Effective Date</b>	<b><u>1/1/2019</u></b>
Plant In Service as of Date	9/30/2018
Rate Base Balance as of Date	12/31/2018

#### RATE BASE CALCULATION

	<b>Total</b>	Notes
1 Gross Plant	<u>\$196,829</u>	= ln 16
2 Accumulated Depreciation	\$4,371	= ln 19
3 Net Plant	<u>\$201,199</u>	= ln 1 + ln 2
4 Accumulated Deferred Taxes	<u>-\$5,074</u>	= See "Dep-UPCI" Wkps
5 Rate Base	<u>\$196,125</u>	= ln 3 + ln 4
6 Rate of Return - After Tax (Schedule WACC)	6.52%	See Schedule SS-GSMP-3 (Update)
7 Return Requirement (After Tax)	\$12,790	= ln 5 * ln 6
8 Depreciation Exp, net	\$2,278	= ln 25
9 Tax Adjustment	\$0	N/A
10 Revenue Factor	<u>1.4087</u>	See Schedule SS-GSMP-4 (Update)
11 <b>Roll-in Revenue Requirement</b>	<b><u>\$21,227</u></b>	= (ln 7 + ln 8 + ln 9) * ln 10

#### **SUPPORT**

##### Gross Plant

12 Plant in-service	\$196,829	= See "Dep-UPCI" Wkp
13 CWIP Transferred into Service	\$0	= See "Dep-UPCI" Wkp
14 AFUDC on CWIP Transferred Into Service - Debt	\$0	= See "Dep-UPCI" Wkp
15 AFUDC on CWIP Transferred Into Service - Equity	\$0	= See "Dep-UPCI" Wkp
16 <b>Total Gross Plant</b>	<u>\$196,829</u>	= ln 12 + ln 13 + ln 14 + ln 15

##### Accumulated Depreciation

17 Accumulated Depreciation	-\$2,386	= See "Dep-UPCI" Wkp
18 Cost of Removal	\$6,757	= See "Dep-UPCI" Wkp
19 <b>Net Accumulated Depreciation</b>	<u>\$4,371</u>	= ln 17 + ln 18

##### Depreciation Expense (Net of Tax)

20 Depreciable Plant (xAFUDC-E)	\$196,829	= ln 12 + ln 13 + ln 14
21 AFUDC-E	\$0	= ln 15
22 Depreciation Rate	<u>1.61%</u>	= See "Dep-UPCI" Wkp
23 Depreciation Expense	\$3,169	= (ln 20 + ln 21) * ln 22
24 Tax @28.11%	<u>\$891</u>	= ln 20 * ln 22 * Tax Rate
25 <b>Depreciation Expense (Net of Tax)</b>	<b><u>\$2,278</u></b>	= ln 23 - ln 24

**PSE&G Gas System Modernization Program**  
**Weighted Average Cost of Capital (WACC)**

Schedule SS-GSMP-3 (Update)

	<b>Percent</b>	<b>Embedded Cost</b>	<b>Weighted Cost</b>	<b>Pre-Tax Weighted Cost</b>	<b>After Tax Weighted Cost</b>
Common Equity	51.20%	9.75%	4.99%	6.94%	4.99%
Other Capital	48.80%	4.36%	2.13%	2.13%	1.53%
Total	100.00%		<u>7.12%</u>	<u>9.07%</u>	<u>6.52%</u>
Federal Income Tax	21.00%				
State NJ Business Incm Tax	9.00%				
Tax Rate	<u>28.11%</u>				

**PSE&G Gas System Modernization Program**  
**Revenue Factor Calculation**

Schedule SS-GSMP-4 (Update)

	<b><u>ELECTRIC</u></b>	<b><u>GAS</u></b>	
Revenue Increase	100.0000	100.0000	
Uncollectible Rate	1.2514	1.2514	From 2009 Base Rate Case
BPU Assessment Rate	0.0019	0.0019	2018 BPU Assessment
Rate Counsel Assessment Rate	<u>0.0005</u>	<u>0.0005</u>	2018 RC Assessment
Income before State of NJ Bus. Tax	99.9975	98.7461	
State of NJ Bus. Income Tax @ 9.00%	<u>8.9998</u>	<u>8.8872</u>	
Income Before Federal Income Taxes	90.9978	89.8590	
Federal Income Taxes @ 21%	<u>19.1095</u>	<u>18.8704</u>	
Return	<u>71.8882</u>	<u>70.9886</u>	
Revenue Factor	<b><u>1.3910</u></b>	<b><u>1.4087</u></b>	

**Gas Rate Design (Proof of Revenue by Rate Class)**

**Explanation of Format**

The summary provides by rate schedule the Annualized Weather Normalized (all customers assumed to be on BGSS) revenue based on current tariff rates and the proposed initial rate change. The detailed rate design by rate schedule follows the summary page. The pages presented in Schedule SS-GSMP-5-UPDATE are the 11 relevant pages from the complete rate change workpapers from the Company's 2009 Gas Base Rate Case and have been appropriately modified per my testimony to reflect this Gas System Modernization Program roll-in.

**Annualized Weather Normalized (all customers assumed to be on BGSS) and the Proposed Detailed Rate Design.**

In the detailed rate design pages, all the components are separated into Delivery and Supply. In addition to the Distribution components of Delivery, also included in the schedule are lines for Balancing, Societal Benefits Charge, Realignment Adjustment Charge, Margin Adjustment Charge, Weather Normalization Charge, Green Programs Recovery Charge, CIP 1 Capital Adjustment Charges (CAC), Miscellaneous items, and Unbilled Revenue.

Column (1) shows the annualized weather normalized billing units. Column (2) shows present Delivery rates (without Sales and Use Tax, SUT) effective October 1, 2018. The commodity rates in the Column (2) reflect the 2012 class-weighted averages (BGSS-RSG uses the rate as of 10/1/2018). Column (3) presents annualized revenue assuming all customers are provided service under their applicable BGSS provision. Column (4) repeats the billing units of Column (1). Column (5) shows the proposed rates without SUT that result in the proposed revenues shown in Column (6). Columns (7) and (8) show the proposed base rate revenue increase, in thousands of dollars and percent increase, respectively, for each of the billing unit blocks. The proposed tariff charges (with and without SUT) are provided on pages 10 and 11 of this schedule.



GAS PROOF OF REVENUE  
SUMMARY

## GAS RATE INCREASE

12 Months Ended December 31, 2012

(Therms &amp; Revenue - Thousands, Rate - \$/Therm)

## Annualized

Rate Schedule		Weather Normalized		Proposed with GSMP Roll-in		Increase	
		Therms	Revenue	Therms	Revenue	Revenue	Percent
		(1)	(2)	(3)	(4)	(5)	(6)
1	RSG	1,381,959	\$1,166,119	1,381,959	\$1,181,304	\$15,185	1.30
2	GSG	263,897	246,163	263,897	248,578	\$2,415	0.98
3	LVG	641,990	491,830	641,990	495,248	\$3,418	0.69
6	SLG	<u>682,345</u>	<u>672,583</u>	<u>682,345</u>	<u>683,471</u>	<u>\$10,888</u>	1.62
7	Subtotal	2,288,528	1,904,785	2,288,528	1,925,813	\$21,029	1.10
8							
9	TSG-F	28,062	15,915.735	28,062	16,014.735	\$99.000	0.62
10	TSG-NF	864,596	152,799	864,596	153,290	\$491	0.32
11	CIG	<u>58,147</u>	<u>25,081</u>	<u>58,147</u>	<u>25,186</u>	<u>\$105</u>	0.42
12	Subtotal	950,805	193,796	950,805	194,491	\$695	0.36
13							
14	Totals	<u>3,239,333</u>	<u>\$2,098,580</u>	<u>3,239,333</u>	<u>\$2,120,304</u>	<u>\$21,724</u>	1.04

Less change in MAC included above \$497Gas Revenue Requirement \$21,227 proposed roll-in

	<u>Increase</u> <u>Before Mac</u> <u>Adjustment</u>	<u>Increase Above</u>	<u>MAC</u> <u>Adjustment</u>
RSG	\$14,890	\$15,185	\$295
GSG	2,359	2,415	56
LVG	3,280	3,418	138
SLG	<u>10,744</u>	<u>10,888</u>	<u>0.144</u>
Subtotal	\$20,540	\$21,029	\$489
TSG-F	\$93.166	\$99.000	\$5.834
TSG-NF	491	491	0
CIG	<u>105</u>	<u>105</u>	<u>0</u>
Subtotal	\$689	\$695	\$6
Totals	<u>\$21,229</u>	<u>\$21,724</u>	<u>\$495</u>

Notes: All customers assumed to be on BGSS.  
 SLG units and revenues shown to 3 decimals.  
 TSG-F revenues shown to 3 decimals.  
 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2018  
 plus applicable BGSS charges.

**RATE SCHEDULE RSG  
RESIDENTIAL SERVICE  
12 Months Ended December 31, 2012**

(Therms & Revenue - Thousands, Rate - \$/Therm)

**Annualized**

	<b>Weather Normalized</b>			<b>Proposed with GSMP Roll-in</b>			<b>Increase</b>	
	<u>Units</u> (1)	<u>Rate</u> (2)	<u>Revenue</u> (3=1*2)	<u>Units</u> (4)	<u>Rate</u> (5)	<u>Revenue</u> (6=4*5)	<u>Revenue</u> (7=6-3)	<u>Percent</u> (8=7/3)
<b><u>Delivery</u></b>								
1 Service Charge	19,018.784	5.46	\$103,843	19,018.784	5.46	\$103,843	\$0	0.00
2 Distribution Charge	1,381,894	0.300406	415,129	1,381,894	0.311411	430,337	15,208	3.66
3 Off-Peak Dist	65	0.150203	10	65	0.155706	10	0	0.00
4 Balancing Charge	840,052	0.096436	81,011	840,052	0.096436	81,011	0	0.00
5 SBC	1,381,959	0.043221	59,730	1,381,959	0.043221	59,730	0	0.00
6 Realignment Adjustment	1,381,959	0.000000	0	1,381,959	0.000000	0	0	0.00
7 Margin Adjustment	1,381,959	(0.006338)	(8,759)	1,381,959	(0.006338)	(8,759)	0	0.00
8 Weather Normalization	840,052	0.021647	18,185	840,052	0.021647	18,185	0	0.00
9 Green Programs Recovery Charge	1,381,959	0.005563	7,688	1,381,959	0.005563	7,688	0	0.00
10 <u>Capital Adjustment Charges (CIP I)</u>								
11 Service Charge	19,018.784	0.00	0	19,018.784	0.00	0	0	0.00
12 Distribution Charge	1,381,894	0.000000	0	1,381,894	0.000000	0	0	0.00
13 Off-Peak Use	65	0.000000	0.000	65	0.000000	0.000	0	0.00
14 Margin Adjustment Charge	1,381,959	0.000000	0	1,381,959	0.000000	0	0	0.00
15								
16 Facilities Charges			0			0	0	0.00
17 Minimum			0			0	0	0.00
18 Miscellaneous			<u>189</u>			<u>189</u>	<u>0</u>	0.00
19 Delivery Subtotal	1,381,959		677,026	1,381,959		692,234	\$15,208	2.25
20 Unbilled Delivery			<u>5,746</u>			<u>5,874</u>	<u>128</u>	2.23
21 Delivery Subtotal w unbilled			682,772			698,108	\$15,336	2.25
22								
<b><u>Supply</u></b>								
24 BGSS-RSG	1,381,959	0.345424	\$477,362	1,381,959	0.345424	\$477,362	\$0	0.00
25 Emergency Sales Service	0	0.000000	0	0	0.000000	0	0	0.00
26 BGSS Contrib. from TSG-F, TSG-NF & CIG	0	0.000000	0	1,381,959	(0.000108)	(149)	(149)	0.00
27 Off-Peak Comm. Charge	62	0.301379	19	62	0.301379	19	0	0.00
28 Capital Adjustment Charges	1,381,959	0.000000	0	1,381,959	0.000000	0	0	0.00
29 Miscellaneous			<u>(22)</u>			<u>(22)</u>	<u>0</u>	0.00
30 Supply subtotal	1,382,021		\$477,359	1,382,021		\$477,210	(\$149)	(0.03)
31 Unbilled Supply			<u>5,988</u>			<u>5,986</u>	<u>(2)</u>	(0.03)
32 Supply Subtotal w unbilled			\$483,347			\$483,196	(\$151)	(0.03)
33								
34 Total Delivery + Supply	1,381,959		<u>\$1,166,119</u>	1,381,959		<u>\$1,181,304</u>	<u>\$15,185</u>	1.30
35								
36								
37								

**Notes:**

All customers assumed to be on BGSS.

Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2018

plus applicable BGSS charges.

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**Annualized**

	<b>Weather Normalized</b>			<b>Proposed with GSMP Roll-in</b>			<b>Increase</b>	
	<b>Units</b>	<b>Rate</b>	<b>Revenue</b>	<b>Units</b>	<b>Rate</b>	<b>Revenue</b>	<b>Revenue</b>	<b>Percent</b>
	(1)	(2)	(3=1*2)	(4)	(5)	(6=4*5)	(7=6-3)	(8=7/3)
<b>Delivery</b>								
1 Service Charge	1,683,715	11.28	\$18,992	1,683,715	11.78	\$19,834	\$842	4.43
2 Distribution Charge - Pre 7/14/97	2,367	0.247120	585	2,367	0.253142	599	14	2.39
3 Distribution Charge - All Others	261,497	0.247120	64,621	261,497	0.253142	66,196	1,575	2.44
4 Off-Peak Dist Charge - Pre 7/14/97	0	0.123560	0	0	0.126571	0	0	0.00
5 Off-Peak Dist Charge - All Others	33	0.123560	4	33	0.126571	4	0	0.00
6 Balancing Charge	160,049	0.096436	15,434	160,049	0.096436	15,434	0	0.00
7 SBC	263,897	0.043221	11,406	263,897	0.043221	11,406	0	0.00
8 Realignment Adjustment	263,897	0.000000	0	263,897	0.000000	0	0	0.00
9 Margin Adjustment	263,897	(0.006338)	(1,673)	263,897	(0.006338)	(1,673)	0	0.00
10 Weather Normalization	160,049	0.021647	3,465	160,049	0.021647	3,465	0	0.00
11 Green Programs Recovery Charge	263,897	0.005563	1,468	263,897	0.005563	1,468	0	0.00
12 <u>Capital Adjustment Charges (CIP I)</u>								
13 Service Charge	1,683,715	0.00	0	1,683,715	0.00	0	0	0.00
14 Distribution Charge - Pre July 14, 1997	2,367	0.000000	0	2,367	0.000000	0	0	0.00
15 Distribution Charge - All Others	261,497	0.000000	0	261,497	0.000000	0	0	0.00
16 Off-Peak Use Dist Charge - Pre July 14, 1997	0	0.000000	0	0	0.000000	0	0	0.00
17 Off-Peak Use Dist Charge - All Others	33	0.000000	0	33	0.000000	0	0	0.00
18 Margin Adjustment Charge	263,897	0.000000	0	263,897	0.000000	0	0	0.00
19								
20 Facilities Charges			0			0	0	0.00
21 Minimum			6			6	0	0.00
22 Miscellaneous			<u>(1,275)</u>			<u>(1,275)</u>	<u>0</u>	0.00
23 Delivery Subtotal	263,897		\$113,033	263,897		\$115,464	\$2,431	2.15
24 Unbilled Delivery			<u>68</u>			<u>68</u>	<u>0</u>	0.00
25 Delivery Subtotal w unbilled			\$113,101			\$115,532	\$2,431	2.15
26								
<b>Supply</b>								
28 BGSS	263,897	0.506091	\$133,556	263,897	0.506091	\$133,556	\$0	0.00
29 Emergency Sales Service	0	0.000000	0	0	0.000000	0	0	0.00
30 BGSS Contrib. from TSG-F, TSG-NF & CIG	0	0.000000	0	263,897	(0.000059)	(16)	(16)	0
31 Capital Adjustment Charges	263,897	0.000000	0	263,897	0.000000	0	0	0
32 Miscellaneous			<u>(1,705)</u>			<u>(1,705)</u>	<u>0</u>	0.00
33 Supply subtotal	263,897		\$131,851	263,897		\$131,835	(16)	(0.01)
34 Unbilled Supply			<u>1,211</u>			<u>1,211</u>	<u>0</u>	0.00
35 Supply Subtotal w unbilled			\$133,062			\$133,046	(16)	(0.01)
36								
37 Total Delivery + Supply	263,897		<u>\$246,163</u>	263,897		<u>\$248,578</u>	<u>\$2,415</u>	0.98
38								
39								
40								

## Notes:

All customers assumed to be on BGSS.

Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2018  
plus applicable BGSS charges.

45

**Annualized**

	<b>Weather Normalized</b>			<b>Proposed with GSMP Roll-in</b>			<b>Increase</b>	
	<b>Units</b> (1)	<b>Rate</b> (2)	<b>Revenue</b> (3=1*2)	<b>Units</b> (4)	<b>Rate</b> (5)	<b>Revenue</b> (6=4*5)	<b>Revenue</b> (7=6-3)	<b>Percent</b> (8=7/3)
<b>Delivery</b>								
1 Service Charge	221,074	100.12	\$22,134	221,074	100.12	\$22,134	\$0	0.00
2 Demand Charge	17,876	3.7361	66,787	17,876	3.8741	69,253	2,466	3.69
3 Distribution Charge 0-1,000 pre 7/14/97	10,437	0.041247	430	10,437	0.043969	459	29	6.74
4 Distribution Charge over 1,000 pre 7/14/97	57,522	0.039333	2,263	57,522	0.040425	2,325	62	2.74
5 Distribution Charge 0-1,000 post 7/14/97	138,521	0.041247	5,714	138,521	0.043969	6,091	377	6.60
6 Distribution Charge over 1,000 post 7/14/97	435,510	0.039333	17,130	435,510	0.040425	17,605	475	2.77
7 Balancing Charge	321,889	0.096436	31,042	321,889	0.096436	31,042	0	0.00
8 SBC	641,990	0.043221	27,747	641,990	0.043221	27,747	0	0.00
9 Realignment Adjustment	641,990	0.000000	0	641,990	0.000000	0	0	0.00
10 Margin Adjustment	641,990	(0.006338)	(4,069)	641,990	(0.006338)	(4,069)	0	0.00
11 Weather Normalization	321,889	0.021647	6,968	321,889	0.021647	6,968	0	0.00
12 Green Programs Recovery Charge	641,990	0.005563	3,571	641,990	0.005563	3,571	0	0.00
13 <b>Capital Adjustment Charges (CIP I)</b>								
14 Service Charge	221,074	0.00	0	221,074	0.00	0	0	0.00
15 Demand Charge	17,876	0.0000	0	17,876	0.0000	0	0	0.00
16 Distribution Charge 0-1,000 pre July 14, 1997	10,437	0.000000	0	10,437	0.000000	0	0	0.00
17 Distribution Charge over 1,000 pre July 14, 1997	57,522	0.000000	0	57,522	0.000000	0	0	0.00
18 Distribution Charge 0-1,000 post July 14, 1997	138,521	0.000000	0	138,521	0.000000	0	0	0.00
19 Distribution Charge over 1,000 post July 14, 1997	435,510	0.000000	0	435,510	0.000000	0	0	0.00
20 Margin Adjustment Charge	641,990	0.000000	0	641,990	0.000000	0	0	0.00
21								
22 Facilities Charges			0			0	0	0.00
23 Minimum			227			227	0	0.00
24 Miscellaneous			(764)			(764)	0	0.00
25 Delivery Subtotal	641,990		179,180	641,990		182,589	\$3,409	1.90
26 Unbilled Delivery			2,102			2,147	45	2.14
27 Delivery Subtotal w unbilled			\$181,282			\$184,736	\$3,454	1.91
28								
29								
30 <b>Supply</b>								
31 BGSS	641,990	0.504832	\$324,097	641,990	0.504832	\$324,097	\$0	0.00
32 Emergency Sales Service	0	0.000000	0	0	0.000000	0	0	0.00
33 BGSS Contrib. from TSG-F, TSG-NF & CIG	0	0.000000	0	641,990	(0.000059)	(38)	(38)	0.00
34 Capital Adjustment Charges	641,990	0.000000	0	641,990	0.000000	0	0	0.00
35 Miscellaneous			2,184			2,184	0	0.00
36 Supply Subtotal	641,990		\$326,281	641,990		\$326,243	(38)	(0.01)
37 Unbilled Supply			(15,733)			(15,731)	2	(0.01)
38 Supply Subtotal w unbilled			\$310,548			\$310,512	(36)	(0.01)
39								
40 Total Delivery + Supply	641,990		<u>\$491,830</u>	641,990		<u>\$495,248</u>	<u>\$3,418</u>	0.69
41								
42								
43								
44 Notes:								
45 All customers assumed to be on BGSS.								
46 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2018								
47 plus applicable BGSS charges.								
48								

**RATE SCHEDULE SLG**  
**STREET LIGHTING SERVICE**  
**12 Months Ended December 31, 2012**  
(Therms & Revenue - Thousands, Rate - \$/Therm)

**Annualized**

	<b>Weather Normalized</b>			<b>Proposed with GSMP Roll-in</b>			<b>Increase</b>	
	<b>Units</b>	<b>Rate</b>	<b>Revenue</b>	<b>Units</b>	<b>Rate</b>	<b>Revenue</b>	<b>Revenue</b>	<b>Percent</b>
<b>Delivery</b>	(1)	(2)	(3=1*2)	(4)	(5)	(6=4*5)	(7=6-3)	(8=7/3)
1 Single	10.392	9.6316	\$100.092	10.392	9.6316	\$100.092	\$0.000	0.00
2 Double Inverted	0.108	9.4856	1.024	0.108	9.4856	1.024	0.000	0.00
3 Double Upright	0.588	8.3906	4.934	0.588	8.3906	4.934	0.000	0.00
4 Triple prior to 1/1/93	18.156	9.4856	172.221	18.156	9.4856	172.221	0.000	0.00
5 Triple on and after 1/1/93	0.432	61.9958	26.782	0.432	61.9958	26.782	0.000	0.00
6 Distribution Therm Charge	682.345	0.083544	57.006	682.345	0.099560	67.934	10.928	19.17
7								
8 SBC	682.345	0.043221	29.492	682.345	0.043221	29.492	0.000	0.00
9 Realignment Adjustment	682.345	0.000000	0.000	682.345	0.000000	0.000	0.000	0.00
10 Margin Adjustment	682.345	(0.006338)	(4.325)	682.345	(0.006338)	(4.325)	0.000	0.00
11								
12 Green Programs Recovery Charge	682.345	0.005563	3.796	682.345	0.005563	3.796	0.000	0.00
13 <b>Capital Adjustment Charges (CIP I)</b>								
14 Single-Mantle Lamp	10.392	0.0000	0.000	10.392	0.0000	0.000	0.000	0.00
15 Double-Mantle Lamp, inverted	0.108	0.0000	0.000	0.108	0.0000	0.000	0.000	0.00
16 Double Mantle Lamp, upright	0.588	0.0000	0.000	0.588	0.0000	0.000	0.000	0.00
17 Triple-Mantle Lamp, prior to January 1, 1993	18.156	0.0000	0.000	18.156	0.000000	0	0	0.00
18 Triple-Mantle Lamp, on and after January 1, 1993	0.432	0.0000	0.000	0.432	0.0000	0.000	0.000	0.00
19 Distribution Therm Charge	682.345	0.000000	0.000	682.345	0.000000	0.000	0.000	0.00
20 Margin Adjustment Charge	682.345	0.000000	0.000	682.345	0.000000	0.000	0.000	0.00
21								
22 Facilities Charges			0.000			0.000	0.000	0.00
23 Minimum			0.000			0.000	0.000	0.00
24 Miscellaneous			15.746			15.746	0.000	0.00
25 Delivery Subtotal	682.345		\$406.768	682.345		\$417.696	\$10.928	2.69
26 Unbilled Delivery			0.000			0.000	0.000	0.00
27 Delivery Subtotal w unbilled			\$406.768			\$417.696	\$10.928	2.69
28								
29 <b>Supply</b>								
30 BGSS	682.063	0.500990	\$341.707	682.063	0.500990	\$341.707	\$0.000	0.00
31 Emergency Sales Service	0.000	0.000000	0.000	0.000	0.000000	0.000	0.000	0.00
32 BGSS Contrib. from TSG-F, TSG-NF & CIG	0.000	0.000000	0.000	682.345	(0.000059)	(0.040)	(0.040)	0.00
33 Capital Adjustment Charges	682.345	0.000000	0.000	682.345	0.000000	0.000	0.000	0.00
34 Miscellaneous			(75.892)			(75.892)	0.000	0.00
35 Supply Subtotal	682.063		\$265.815	682.063		\$265.775	(\$0.040)	(0.02)
36 Unbilled Supply			0.000			0.000	0.000	0.00
37 Supply Subtotal w unbilled			\$265.815			\$265.775	(\$0.040)	(0.02)
38								
39 Total Delivery + Supply	682.345		<u>\$672.583</u>	682.345		<u>\$683.471</u>	<u>\$10.888</u>	1.62
40								
41								
42								
43 Notes:								
44 All customers assumed to be on BGSS.								
45 SLG units and revenues shown to 3 decimals.								
46 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2018								
47 plus applicable BGSS charges.								
48								

**RATE SCHEDULE TSG-F**  
**FIRM TRANSPORTATION GAS SERVICE**  
**12 Months Ended December 31, 2012**  
(Therms & Revenue - Thousands, Rate - \$/Therm)

**Annualized**

	<b>Weather Normalized</b>			<b>Proposed with GSMP Roll-in</b>			<b>Increase</b>	
	<b>Units</b> (1)	<b>Rate</b> (2)	<b>Revenue</b> (3=1*2)	<b>Units</b> (4)	<b>Rate</b> (5)	<b>Revenue</b> (6=4*5)	<b>Revenue</b> (7=6-3)	<b>Percent</b> (8=7/3)
<b>Delivery</b>								
1 Service Charge	0.622	536.21	\$333.523	0.622	559.85	\$348.227	\$14.704	4.41
2 Demand Charge	575	1.8556	1,066.970	575	1.9092	1,097.790	30.820	2.89
3 Demand Charge, Agreements	16	1.6563	26.501	16	1.6563	26.501	0.000	0.00
4 Distribution Charge	27,094	0.070929	1,921.750	27,094	0.072976	1,977.212	55.462	2.89
5 Distribution Charge, Agreements	968	0.031380	30.376	968	0.031380	30.376	0.000	0.00
6 SBC	27,094	0.043221	1,171.030	27,094	0.043221	1,171.030	0.000	0.00
7 SBC, Agreements	968	0.050438	48.824	968	0.050438	48.824	0.000	0.00
8 Margin Adjustment	27,094	(0.006338)	(171.722)	27,094	(0.006338)	(171.722)	0.000	0.00
9 Margin Adjustment, Agreements	968	(0.006338)	(6.135)	968	(0.006338)	(6.135)	0.000	0.00
10								
11 Green Programs Recovery Charge	27,094	0.005563	150.724	27,094	0.005563	151	0	0.00
12 Green Programs Recovery Charge, Agreeemer	968	0.003908	3.783	968	0.003908	3.783	0.000	0.00
13 <u>Capital Adjustment Charges (CIP I)</u>								
14 Service Charge	0.622	0.00	0.000	0.622	0.00	0.000	0.000	0.00
15 Demand Charge	575	0.0000	0.000	575	0.0000	0.000	0.000	0.00
16 Demand Charge, Agreements	16	0.0000	0.000	16	0.0000	0.000	0.000	0.00
17 Distribution Charge	27,094	0.000000	0.000	27,094	0.000000	0.000	0.000	0.00
18 Distribution Charge, Agreements	968	0.000000	0.000	968	0.000000	0.000	0.000	0.00
19 Margin Adjustment Charge	27,094	0.000000	0.000	27,094	0.000000	0.000	0.000	0.00
20 Margin Adjustment Charge, Agreements	968	0.000000	0.000	968	0.000000	0.000	0.000	0.00
21								
22 Facilities Charges			0.000			0.000	0.000	0.00
23 Minimum			0.000			0.000	0.000	0.00
24 Miscellaneous			<u>(20.523)</u>			<u>(20.547)</u>	<u>(0.024)</u>	0.12
25 Delivery Subtotal	28,062		4,555.101	28,062		4,656.063	\$100.962	2.22
26 Unbilled Delivery			<u>(88.532)</u>			<u>(90.494)</u>	<u>(1.962)</u>	2.22
27 Delivery Subtotal w unbilled			\$4,466.569			\$4,565.569	\$99.000	2.22
28								
29 <b>Supply</b>								
30 Commodity Charge, BGSS-F	27,094	0.503027	\$13,629.000	27,094	0.503027	\$13,629.000	\$0.000	0.00
31 Emergency Sales Service	0	0.000000	0.000	0	0.000000	0.000	0.000	0.00
32 Miscellaneous			<u>0.000</u>			<u>0.000</u>	<u>0.000</u>	0.00
33 Supply Subtotal	27,094		\$13,629.000	27,094		\$13,629.000	\$0.000	0.00
34 Unbilled Supply			<u>(2,179.834)</u>			<u>(2,179.834)</u>	<u>0.000</u>	0.00
35 Supply Subtotal w unbilled			\$11,449.166			\$11,449.166	\$0.000	0.00
36								
37 Total Delivery + Supply	28,062		<u>\$15,915.735</u>	28,062		<u>\$16,014.735</u>	<u>\$99.000</u>	0.62
38								
39								
40								
41 Notes:								
42 All customers assumed to be on BGSS.								
43 TSG-F revenues shown to 3 decimals.								
44 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2018								
45 plus applicable BGSS charges.								
46								

**RATE SCHEDULE TSG-NF**  
**NON-FIRM TRANSPORTATION GAS SERVICE**  
**12 Months Ended December 31, 2012**  
 (Therms & Revenue - Thousands, Rate - \$/Therm)

## Annualized

	Weather Normalized			Proposed with GSMP Roll-in			Increase	
	Units (1)	Rate (2)	Revenue (3=1*2)	Units (4)	Rate (5)	Revenue (6=4*5)	Revenue (7=6-3)	Percent (8=7/3)
<b>Delivery</b>								
1 Service Charge	2,703	536.21	\$1,449	2,703	559.85	\$1,513	\$64	4.42
2 Dist Charge 0-50,000	99,166	0.070744	7,015	99,166	0.072603	7,200	185	2.64
3 Dist Charge 0-50,000, Agreements	26,064	0.017035	444	26,064	0.017035	444	0	0.00
4 Dist Charge over 50,000	136,943	0.070744	9,688	136,943	0.072603	9,942	254	2.62
5 Dist Charge over 50,000, Agreements	602,423	0.017061	10,278	602,423	0.017061	10,278	0	0.00
6 SBC	236,109	0.043221	10,205	236,109	0.043221	10,205	0	0.00
7 SBC, Agreements	628,487	0.005338	3,355	628,487	0.005338	3,355	0	0.00
8								
9 Green Programs Recovery Charge	236,109	0.005563	1,313	236,109	0.005563	1,313	0	0.00
10 Green Programs Recovery Charge, Agreements	628,487	0.000430	270	628,487	0.000430	270	0	0.00
11 <u>Capital Adjustment Charges (CIP I)</u>								
12 Service Charge	2,703	0.00	0	2,703	0.00	0	0	0.00
13 Distribution Charge 0-50,000	99,166	0.000000	0	99,166	0.000000	0	0	0.00
14 Distribution Charge 0-50,000, Agreements	26,064	0.000000	0	26,064	0.000000	0	0	0.00
15 Distribution Charge over 50,000	136,943	0.000000	0	136,943	0.000000	0	0	0.00
16 Distribution Charge over 50,000, Agreements	602,423	0.000000	0	602,423	0.000000	0	0	0.00
17								
18 Facilities Charges			936			936	0	0.00
19 Minimum			0			0	0	0.00
20 Miscellaneous			<u>(970)</u>			<u>(970)</u>	<u>0</u>	0.00
21 Delivery Subtotal	864,596		\$43,983	864,596		\$44,486	\$503	1.14
22 Unbilled Delivery			<u>(1,072)</u>			<u>(1,084)</u>	<u>(12)</u>	1.12
23 Delivery Subtotal w unbilled			\$42,911			\$43,402	\$491	1.14
24								
<b>Supply</b>								
26 Commodity Charge, BGSS-I	236,109	0.477093	\$112,646	236,109	0.477093	\$112,646	\$0	0.00
27 Emergency Sales Service	0	0.000000	0	0	0.000000	0	0	0.00
28 Pilot Use	0	1.89	0	0	1.89	0	0	0.00
29 Penalty Use	0	0.000000	0	0	0.000000	0	0	0.00
30 Miscellaneous			<u>160</u>			<u>160</u>	<u>0</u>	0.00
31 Supply Subtotal	236,109		\$112,806	236,109		\$112,806	\$0	0.00
32 Unbilled Supply			<u>(2,918)</u>			<u>(2,918)</u>	<u>0</u>	0.00
33 Supply Subtotal w unbilled			\$109,888			\$109,888	\$0	0.00
34								
35 Total Delivery + Supply	864,596		<u>\$152,799</u>	864,596		<u>\$153,290</u>	<u>\$491</u>	0.32
36								
37								
38								

## Notes:

All customers assumed to be on BGSS.

Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2018  
 plus applicable BGSS charges.

43

**RATE SCHEDULE CIG**  
**COGENERATION INTERRUPTIBLE SERVICE**  
**12 Months Ended December 31, 2012**  
 (Therms & Revenue - Thousands, Rate - \$/Therm)

## Annualized

	Weather Normalized			Proposed with GSMP Roll-in			Increase	
	Units (1)	Rate (2)	Revenue (3=1*2)	Units (4)	Rate (5)	Revenue (6=4*5)	Revenue (7=6-3)	Percent (8=7/3)
<b><u>Delivery</u></b>								
1 Service Charge	0.240	139.87	\$34	0.240	143.98	\$35	\$1	2.94
2 Margin 0-600,000	52,881	0.063406	3,353	52,881	0.065207	3,448	95	2.83
3 Margin over 600,000	5,266	0.052027	274	5,266	0.053504	282	8	2.92
4 Extended Gas Service	0	0.150000	0	0	0.150000	0	0	0.00
5 SBC	58,147	0.043221	2,513	58,147	0.043221	2,513	0	0.00
6								
7 Green Programs Recovery Charge	58,147	0.005563	323	58,147	0.005563	323	0	0.00
8 <u>Capital Adjustment Charges (CIP I)</u>								
9 Service Charge	0.240	0.00	0	0.240	0.00	0	0	0.00
10 Distribution Charge 0-600,000	52,881	0.000000	0	52,881	0.000000	0	0	0.00
11 Distribution Charge over 600,000	5,266	0.000000	0	5,266	0.000000	0	0	0.00
12 Extended Gas Service, Special Delivery Charge	0	0.000000	0	0	0.000000	0	0	0.00
13								
14 Facilities Charges			0			0	0	0.00
15 Minimum			0			0	0	0.00
16 Miscellaneous			0			0	0	0.00
17 Delivery Subtotal	58,147		\$6,497	58,147		\$6,601	\$104	1.60
18 Unbilled Delivery			(28)			(27)	1	-3.57
19 Delivery Subtotal w unbilled			\$6,469			\$6,574	\$105	1.62
20								
<b><u>Supply</u></b>								
22 Commodity Component	58,147	0.317781	\$18,478	58,147	0.317781	\$18,478	\$0	0.00
23 Pilot Use	0	1.89	0	0	1.89	0	0	0.00
24 Penalty Use	0		0	0		0	0	0.00
25 Extended Gas Service	0		0	0		0	0	0.00
26 Miscellaneous			0			0	0	0.00
27 Supply Subtotal	58,147		\$18,478	58,147		\$18,478	\$0	0.00
28 Unbilled Supply			134			134	0	0.00
29 Supply Subtotal w unbilled			\$18,612			\$18,612	\$0	0.00
30								
31 Total Delivery + Supply	58,147		<u>\$25,081</u>	58,147		<u>\$25,186</u>	<u>\$105</u>	0.42
32								
33								
34								

## Notes:

36 All customers assumed to be on BGSS.  
 37 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2018  
 38 plus applicable BGSS charges.  
 39



<u>Rate Schedule</u>		<u>Present</u>		<u>Proposed</u>	
		<u>Charge</u> <u>without/SUT</u>	<u>Charge</u> <u>Including</u> <u>SUT</u>	<u>Charge</u> <u>without/SUT</u>	<u>Charge</u> <u>Including</u> <u>SUT</u>
<b>RSG</b>	Service Charge	\$5.46	\$5.82	\$5.46	\$5.82
	Distribution Charges	\$0.300406	\$0.320308	\$0.311411	\$0.332042
	Balancing Charge	\$0.096436	\$0.102825	\$0.096436	\$0.102825
	Off-Peak Use	\$0.150203	\$0.160154	\$0.155706	\$0.166022
<b>GSG</b>	Service Charge	\$11.28	\$12.03	\$11.78	\$12.56
	Distribution Charge - Pre July 14, 1997	\$0.247120	\$0.263492	\$0.253142	\$0.269913
	Distribution Charge - All Others	\$0.247120	\$0.263492	\$0.253142	\$0.269913
	Balancing Charge	\$0.096436	\$0.102825	\$0.096436	\$0.102825
	Off-Peak Use Dist Charge - Pre July 14, 1997	\$0.123560	\$0.131746	\$0.126571	\$0.134956
	Off-Peak Use Dist Charge - All Others	\$0.123560	\$0.131746	\$0.126571	\$0.134956
<b>LVG</b>	Service Charge	\$100.12	\$106.75	\$100.12	\$106.75
	Demand Charge	\$3.7361	\$3.9836	\$3.8741	\$4.1308
	Distribution Charge 0-1,000 pre July 14, 1997	\$0.041247	\$0.043980	\$0.043969	\$0.046882
	Distribution Charge over 1,000 pre July 14, 1997	\$0.039333	\$0.041939	\$0.040425	\$0.043103
	Distribution Charge 0-1,000 post July 14, 1997	\$0.041247	\$0.043980	\$0.043969	\$0.046882
	Distribution Charge over 1,000 post July 14, 1997	\$0.039333	\$0.041939	\$0.040425	\$0.043103
	Balancing Charge	\$0.096436	\$0.102825	\$0.096436	\$0.102825
<b>SLG</b>	Single-Mantle Lamp	\$9.6316	\$10.2697	\$9.6316	\$10.2697
	Double-Mantle Lamp, inverted	\$9.4856	\$10.1140	\$9.4856	\$10.1140
	Double Mantle Lamp, upright	\$8.3906	\$8.9465	\$8.3906	\$8.9465
	Triple-Mantle Lamp, prior to January 1, 1993	\$9.4856	\$10.1140	\$9.4856	\$10.1140
	Triple-Mantle Lamp, on and after January 1, 1993	\$61.9958	\$66.1030	\$61.9958	\$66.1030
	Distribution Therm Charge	\$0.083544	\$0.089079	\$0.099560	\$0.106156

**Gas Tariff Rates****Schedule SS-GSMP - 5 - UPDATE  
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		<u>Present</u>	<u>Charge Including SUT</u>	<u>Proposed</u>	<u>Charge Including SUT</u>
		<u>Charge</u>	<u>SUT</u>	<u>Charge</u>	<u>SUT</u>
<b>TSG-F</b>	Service Charge	\$536.21	\$571.73	\$559.85	\$596.94
	Demand Charge	\$1.8556	\$1.9785	\$1.9092	\$2.0357
	Distribution Charges	\$0.070929	\$0.075628	\$0.072976	\$0.077811
<b>TSG-NF</b>	Service Charge	\$536.21	\$571.73	\$559.85	\$596.94
	Distribution Charge 0-50,000	\$0.070744	\$0.075431	\$0.072603	\$0.077413
	Distribution Charge over 50,000	\$0.070744	\$0.075431	\$0.072603	\$0.077413
	Special Provision (d)	\$1.89	\$2.02	\$1.89	\$2.02
<b>CIG</b>	Service Charge	\$139.87	\$149.14	\$143.98	\$153.52
	Distribution Charge 0-600,000	\$0.063406	\$0.067607	\$0.065207	\$0.069527
	Distribution Charge over 600,000	\$0.052027	\$0.055474	0.053504	\$0.057049
	Special Provision (c) 1st para	\$1.89	\$2.02	\$1.89	\$2.02
<b>BGSS RSG</b>	Commodity Charge including Losses	\$0.327858	\$0.349579	\$0.327617	\$0.349322
<b>CSG</b>	Service Charge	\$536.21	\$571.73	\$559.85	\$596.94

## PSE&G Gas System Modernization Program Capital Expenditures

Schedule WEM-GSMP-3 (Update)

[illegible]