



October 11, 2019

In the Matter of the Petition of
Public Service Electric and Gas Company
for Approval of the Next Phase of the Gas System
Modernization Program and Associated Cost
Recovery Mechanism ("GSMP II")
(June 2019 GSMP Rate Filing)

BPU Docket No. GR19060766

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) second update to the schedules in the above-referenced matter. Effective October 1, 2019, the Board approved new gas rates for the Company based on the GSMP, BGSS and WNC filings, and this revision recalculates the gas base rates based on such data. This second update is a revision to the September 16, 2019 update for actuals. However, there is no change to the Company's revenue requirements, and no change to the Company's schedules, other than those noted below. Specifically, enclosed please find:

1. Schedule SS-GSMPII-5-UPDATE-2 Gas Proof of Revenue
 - Updated based on October 1, 2019 gas rates;
2. Schedule SS-GSMPII-6 UPDATE-2 Residential Bill Impacts
 - Updated based on October 1, 2019 gas rates.

The Board Order approving the Gas System Modernization Program II¹ provides that Revenue Requirements associated with GSMP II investments that are placed into service

¹ The Gas System Modernization Program II was approved in a Board Order dated May 22, 2018 in Docket No. GR17070776. Paragraph 36 of the Stipulation adopted by that order addresses this rate filing and the provisions discussed herein.

through and including 8/31/19 “shall go into base rates effective 12/1/19.” 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 November 2019.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Daniel Lopez", is centered below the "Sincerely," text. The signature is fluid and cursive, with a long, sweeping line extending from the end of the name.

Attachment

C Attached Service List (E-Mail Only)

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Gas Revenue Requirement Allocation Explanation of Format

Pages 2 through 5 presented in Schedule SS-GSMPII-5-UPDATE-2 are the 4 relevant pages from the complete cost of service and revenue requirement allocation methodology based on the 2018 Base Rate Case Settlement, approved by the Board on October 29, 2018. Page 2 Part 1 shows the “Final” revenue requirement allocation to the each rates class and its associated functions as defined in the 2018 PSE&G Base Rate Case (Rate Case). Part 2 allocates the GSMP II Revenue Increase in accordance with the Rate Case Board Order. Pages 3 and 4 provide the interclass revenue allocations based upon the rate rules approved in the Rate Case. Page 5 provides the service charges calculations for each rate class by which are calculated in accordance with the Rate Case Board Order.

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. Pages 6 through 16 presented in Schedule SS-GSMPII-5-UPDATE-2 are the 11 relevant pages from the complete rate change workpapers from the Company’s 2018 Gas Base Rate Case and have been appropriately modified per my testimony to reflect this GSMP II 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, Margin Adjustment Charge, Weather Normalization Charge, Green Programs Recovery Charge, Tax Adjustment Credit, 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, 2019. The commodity rates in the Column (2) reflect the 2019 class-weighted averages (BGSS-RSG uses the rate as of 10/1/2019). 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 15 and 16 of this schedule.

Cost of Service and Rate Design Sync

Part 1: 2018 Base Rate Case Final Revenue Allocation

1	Requested increase in Revenue Requirements							Notes:
								2018 Rate Case Schedule SS-G7 R-2, pg 2, line 16
2	Total Target Distribution Revenue Requirements							2018 Rate Case Schedule SS-G7 R-2, pg 2, line 17
3	Sum of Initial Sync Revenue Requirements							2018 Rate Case Schedule SS-G7 R-2, pg 2, line 18
4	Final Sync Adjustment Factor							2018 Rate Case Schedule SS-G7 R-2, pg 2, line 19
		Total	RSG	GSG	LVG	SLG		
5	Distribution Access	\$ 348,181,228	\$ 285,567,880	\$ 40,848,700	\$ 21,728,392	\$ 36,257		2018 Rate Case Schedule SS-G7 R-2, pg 2, line 20
6	Distribution Delivery	\$ 362,951,052	\$ 231,037,735	\$ 42,604,570	\$ 89,282,536	\$ 26,211		2018 Rate Case Schedule SS-G7 R-2, pg 2, line 21
7	Streetlighting Fixtures	\$ 417,670	\$ 0	\$ 0	\$ 0	\$ 417,670		2018 Rate Case Schedule SS-G7 R-2, pg 2, line 22
8	Customer Service	\$ 80,199,946	\$ 72,101,419	\$ 6,313,852	\$ 1,783,392	\$ 1,284		2018 Rate Case Schedule SS-G7 R-2, pg 2, line 23
9	Measurement	\$ 96,710,544	\$ 70,884,585	\$ 16,046,249	\$ 9,779,669	\$ 41		2018 Rate Case Schedule SS-G7 R-2, pg 2, line 24
10	Total	\$ 888,460,440	\$ 659,591,618	\$ 105,813,371	\$ 122,573,988	\$ 481,463		

Part 2: GSMPII Roll-In Revenue Allocation

11	Requested increase in Revenue Requirements							Schedule SS-GSMPII-2
								= line 11 + page 3, col 2
12	Total Target Distribution Revenue Requirements							
13	Rate Case Minus Streetlight Fixtures							= line 10 - line 7
14	Target Minus Streetlight Fixtures							= line 12 - line 7
15	Final Sync Adjustment Factor							= line 14 / line 13
		Total	RSG	GSG	LVG	SLG		
16	Distribution Access	\$ 367,752,222	\$ 301,619,426	\$ 43,144,773	\$ 22,949,728	\$ 38,295		= line 5 * line 15
17	Distribution Delivery	\$ 383,352,245	\$ 244,024,185	\$ 44,999,340	\$ 94,301,037	\$ 27,684		= line 6 * line 15
18	Streetlighting Fixtures	\$ 417,670	\$ 0	\$ 0	\$ 0	\$ 417,670		= line 7
19	Customer Service	\$ 84,707,922	\$ 76,154,183	\$ 6,668,749	\$ 1,883,635	\$ 1,356		= line 8 * line 15
20	Measurement	\$ 102,146,568	\$ 74,868,952	\$ 16,948,196	\$ 10,329,376	\$ 44		= line 9 * line 15
21	Total	\$ 938,376,627	\$ 696,666,746	\$ 111,761,057	\$ 129,463,775	\$ 485,049		

Inter Class Revenue Allocations

Calculation of Increase Limits

<u>line #</u>		(in \$1,000)	Notes:
	Requested Revenue Increase to be		
1	recovered from rate schedule charges =	\$ 17,308	Schedule SS-GSMPII-1
2	Present Distribution Revenue =	\$ 921,069 from RSG, GSG, LVG & SLG	Page 4, col 3, line 11
3	Present Total Customer Bills (all on BGSS) =	\$ 2,076,126	Page 4, col 5, line 11
4	Average Distribution Increase =	1.879%	= Line 1 / Line 2
5	Average Total Bill Increase =	0.834%	= Line 1 / Line 3
6	Lower Distribution increase limit =	0.940% in Distribution charges	= 0.5 * Line 4
7	Upper Distribution increase limit #1 =	2.819% in Distribution charges	= 1.5 * Line 4
8	Upper Bill increase limit #2 =	1.668% in Bill Increase	= 2.0 * Line 5
	all rounded to 0.001%		

Inter Class Revenue Allocations

Calculation of Increases

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
line #	Rate Schedule	Proposed Distribution Revenue Requirement (from COS) (in \$1,000)	Present Distribution Revenue (in \$1,000)	Unlimited COS Distribution Charge \$ Increase (in \$1,000)	Present Total Bill Revenue (all on BGSS) (in \$1,000)	Unlimited Distribution Charge Increase (%)	Change in MAC & BGSS credits (in \$1,000)	Limited Final Distribution Charge Increase (%)	Proposed Total Bill Increase (%)	Proposed Distribution Revenue Increase (in \$1,000)
<u>Calculation of TSG-F Increase</u>										
1	TSG-F	\$ 3,304	\$ 3,365	\$ (61)	\$ 17,393	-1.826%	\$ (2)	0.940%	0.172%	\$ 32
<u>Calculation of TSG-NF & CIG Increase</u>										
2	TSG-NF	----	\$ 10,386	----	\$ 99,031	----		1.879%	0.197%	\$ 195
3	CIG	----	\$ 3,027	----	\$ 20,562	----		1.879%	0.277%	\$ 57
4	CSG ¹	----	\$ 7,378	----	\$ 7,540	----		----	0.172%	\$ 13
<u>Calculation of Margin Rates (RSG, GSG, LVG & SLG) Increase</u>										
5	RSG	\$ 696,667	\$ 680,811	\$ 15,856	\$ 1,210,515	2.329%	\$ (191)	2.036%	1.129%	\$ 13,861
6	GSG	\$ 111,761	\$ 109,224	\$ 2,537	\$ 292,776	2.323%	\$ (30)	2.031%	0.747%	\$ 2,218
7	LVG	\$ 129,464	\$ 130,601	\$ (1,137)	\$ 571,714	-0.871%	\$ (72)	0.940%	0.202%	\$ 1,228
8	SLG	\$ 485	\$ 433	\$	\$ 1,121		\$ (0.075)			
9	Distribution Only	\$ 67	\$ 18,175	\$ 49,204		270.722%		2.819%	0.039%	\$ 0.512
10	Fixtures	\$ 418	\$ 414.592	\$ 3		0.742%		0.000%	0.000%	\$ -
11	Total for Margin Rates	\$ 938,377	\$ 921,069	\$ 17,308	\$ 2,076,126	1.879%	\$ (293.075)	1.879%	0.820%	\$ 17,308

¹ CSG Credits all flow back through BGSS

Notes: for TSG-F - from 2018 Rate Case Schedule SS-G7 R-2, pg 1, col 6, line 6
for RSG, GSG, LVG & SLG from page 1, line 21

SS-GSMPII-1 workpapers

= (2) - (3)

Page 6

= (4) / (3)

SS-GSMPII-1 workpapers

calculated on limits

= (Col 10 + Col 7) / Col 5

= (3) * (8)

Service Charge Calculations

line #	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Notes:
1		Average Distribution Increase =			1.879%					page 3, line 4
	Rate Schedule	Distribution Access Rev Req (in \$1,000)	Customer Service Rev Req (in \$1,000)	Measurement Rev Req (in \$1,000)	COS Indicated Total Rev Req (in \$1,000)	# of Customers	Cost Based Monthly Service Charge (\$/month)	Current Monthly Service Charge (\$/month)	Proposed Limited Monthly Service Charge (\$/month)	
2	RSG	301,619	76,154	74,869	452,642.561	1,635,900	\$ 23.06	\$ 8.08	\$ 8.08	Fixed per 2018 Base Rate Case
3	GSG	43,145	6,669	16,948	66,761.717	140,771	\$ 39.52	\$ 14.77	\$ 15.19	move to costs, limited @ 1.5 times overall avg Distribution % increase
4	LVG	22,950	1,884	10,329	35,162.738	18,375	\$ 159.47	\$ 131.15	\$ 134.85	move to costs, limited @ 1.5 times overall avg Distribution % increase
5	TSG-F	530	400	20	950.672	37	\$ 2,141.15	\$ 702.43	\$ 722.23	move to costs, limited @ 1.5 times overall avg Distribution % increase
6	TSG-NF							\$ 702.43	\$ 722.23	set equal to new TSG-F Service Charge
7	CIG							\$ 168.34	\$ 171.50	increase current @ average Distribution % increase
8	CSG							\$ 702.43	\$ 722.23	set equal to new TSG-F Service Charge
Notes:	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
		values for RSG, GSG & LVG for Cols 2, 3, & 4 from page 2, lines 16, 19 & 20			= (2) + (3) + (4)	RSG, GSG & LVG from 2018 Rate Case Schedule SS-G7 R-2, page 2, line 1	= Col 5 * 1000 / Col 6 / 12 rounded to \$0.01	From Tariff	based on methodology described	
		values for TSG-F for Cols 2, 3 & 4 from 2018 Rate Case Schedule SS-G7 R-2, page 1, lines 1, 4 & 5				TSG-F from COS workpapers				

**RATE SCHEDULE RSG
RESIDENTIAL SERVICE
GSMP II**

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

	Annualized Weather Normalized			Proposed			Difference	
	Units (1)	Rate (2)	Revenue (3=1*2)	Units (4)	Rate (5)	Revenue (6=4*5)	Revenue (7=6-3)	Percent (8=7/3)
Delivery								
1 Service Charge	19,630.803	8.08	\$158,617	19,630.803	8.08	\$158,617	0	0.00
2 Distribution Charge	1,494,872	0.351392	525,286	1,494,872	0.360706	539,209	13,923	2.65
3 Off-Peak Dist	56	0.175696	10	56	0.180353	10	0	0.00
4 Balancing Charge	917,326	0.092492	84,845	917,326	0.092492	84,845	0	0.00
5 SBC	1,494,928	0.049797	74,443	1,494,928	0.049797	74,443	0	0.00
6 Margin Adjustment	1,494,928	(0.006338)	(9,475)	1,494,928	(0.006338)	(9,475)	0	0.00
7 Weather Normalization	917,326	(0.004800)	(4,403)	917,326	-0.004800	(4,403)	0	0.00
8 Green Programs Recovery Charge	1,494,928	0.002126	3,178	1,494,928	0.002126	3,178	0	0.00
9 Tax Adjustment Credit	1,494,928	(0.069574)	(104,008)	1,494,928	(0.069574)	(104,008)	0	0.00
10 Green Enabling Mechanism	1,494,928	0.000000	0	1,494,928	0.000000	0	0	0.00
11 Facilities Charges			0			0	0	0.00
12 Minimum			0			0	0	0.00
13 Miscellaneous			(15)			(14)	1	(6.67)
14 Delivery Subtotal	1,494,928		\$728,478	1,494,928		\$742,402	\$13,924	1.91
15 Unbilled Delivery			(3,288)			(3,350)	(62)	1.89
16 Delivery Subtotal w unbilled			\$725,190			\$739,052	\$13,862	1.91
17								
Supply								
19 BGSS-RSG	1,494,872	0.327140	\$489,032	1,494,872	0.327140	\$489,032	\$0	0.00
20 Emergency Sales Service	0	0.000000	0	0	0.000000	0	0	0.00
21 BGSS Contrib. from TSG-F, TSG-NF & CIG	0	0.000000	0	1,494,928	(0.000053)	(79)	(79)	0.00
22 Off-Peak Comm. Charge	46	0.306915	14	46	0.306915	14	0	0.00
23								
24 Miscellaneous			(1)			(1)	0.00	0.00
25 Supply subtotal	1,494,918		\$489,045	1,494,918		\$488,966	(79)	(0.02)
26 Unbilled Supply			(3,720)			(3,719)	1	(0.03)
27 Supply Subtotal w unbilled			\$485,325			\$485,247	(78)	(0.02)
28								
29 Total Delivery + Supply	1,494,928		\$1,210,515	1,494,928		\$1,224,299	13,784	1.14
30								
31								
32								

33 Notes:

34 All customers assumed to be on BGSS.

35 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2019

36 plus applicable BGSS charges.

37

**RATE SCHEDULE GSG
GENERAL SERVICE
GSMP II**
(Therms & Revenue - Thousands, Rate - \$/Therm)

	Annualized Weather Normalized			Proposed			Difference	
	<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)
<u>Delivery</u>								
1 Service Charge	1,689,246	14.77	\$24,950	1,689,246	15.19	\$25,660	\$710	2.85
2 Distribution Charge - Pre 7/14/97	2,183	0.283256	618	2,183	0.288299	629	11	1.78
3 Distribution Charge - All Others	295,256	0.283256	83,633	295,256	0.288299	85,122	1,489	1.78
4 Off-Peak Dist Charge - Pre 7/14/97	0	0.141628	0	0	0.144150	0	0	0.00
5 Off-Peak Dist Charge - All Others	45	0.141628	6	45	0.144150	6	0	0.00
6 Balancing Charge	173,170	0.092492	16,017	173,170	0.092492	16,017	0	0.00
7 SBC	297,484	0.049797	14,814	297,484	0.049797	14,814	0	0.00
8 Margin Adjustment	297,484	(0.006338)	(1,885)	297,484	(0.006338)	(1,885)	0	0.00
9 Weather Normalization	173,170	(0.004800)	(831)	173,170	(0.004800)	(831)	0	0.00
10 Green Programs Recovery Charge	297,484	0.002126	632	297,484	0.002126	632	0	0.00
11 Tax Adjustment Credit	297,484	(0.056346)	(16,762)	297,484	(0.056346)	(16,762)	0	0.00
12 Green Enabling Mechanism	297,484	0.000000	0	297,484	0.000000	0	0	0.00
13 Facilities Charges			0			0	0	0.00
14 Minimum			2			2	0	0.00
15 Miscellaneous			(313)			(312)	1	(0.32)
16 Delivery Subtotal	297,484		\$120,881	297,484		\$123,092	\$2,211	1.83
17 Unbilled Delivery			364			372	8	2.20
18 Delivery Subtotal w unbilled			\$121,245			\$123,464	\$2,219	1.83
19								
<u>Supply</u>								
21 BGSS	297,484	0.540002	\$160,642	297,484	0.540002	\$160,642	\$0	0.00
22 Emergency Sales Service	0	0.000000	0	0	0.000000	0	0	0.00
23 BGSS Contrib. from TSG-F, TSG-NF & CIG	0	0.000000	0	297,484	(0.000022)	(7)	(7)	0.00
24								
25 Miscellaneous			(51)			(51)	0	0.00
26 Supply subtotal	297,484		\$160,591	297,484		\$160,584	(7)	0.00
27 Unbilled Supply			10,940			10,940	0	0.00
28 Supply Subtotal w unbilled			\$171,531			\$171,524	(7)	0.00
29								
30 Total Delivery + Supply	297,484		\$292,776	297,484		\$294,988	\$2,212	0.76

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32 Notes:

33 All customers assumed to be on BGSS.

34 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2019

35 plus applicable BGSS charges.

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**RATE SCHEDULE LVG
LARGE VOLUME SERVICE
GSMP II**

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

	Annualized Weather Normalized			Proposed			Difference	
	<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)
Delivery								
1 Service Charge	220,495	131.15	\$28,918	220,495	134.85	\$29,734	\$816	2.82
2 Demand Charge	18,017	3.9314	70,832	18,017	3.9473	71,119	287	0.41
3 Distribution Charge 0-1,000 pre 7/14/97	8,974	0.040281	361	8,974	0.042298	380	19	5.26
4 Distribution Charge over 1,000 pre 7/14/97	45,378	0.042215	1,916	45,378	0.041894	1,901	(15)	(0.78)
5 Distribution Charge 0-1,000 post 7/14/97	145,700	0.040281	5,869	145,700	0.042298	6,163	294	5.01
6 Distribution Charge over 1,000 post 7/14/97	540,051	0.042215	22,798	540,051	0.041894	22,625	(173)	(0.76)
7 Balancing Charge	361,999	0.092492	33,482	361,999	0.092492	33,482	0	0.00
8 SBC	740,103	0.049797	36,855	740,103	0.049797	36,855	0	0.00
9 Margin Adjustment	740,103	(0.006338)	(4,691)	740,103	(0.006338)	(4,691)	0	0.00
10 Weather Normalization	361,999	(0.004800)	(1,738)	361,999	(0.004800)	(1,738)	0	0.00
11 Green Programs Recovery Charge	740,103	0.002126	1,573	740,103	0.002126	1,573	0	0.00
12 Tax Adjustment Credit	740,103	(0.027547)	(20,388)	740,103	(0.027547)	(20,388)	0	0.00
13 Green Enabling Mechanism	740,103	0.000000	\$0	740,103	0.000000	\$0	0	0.00
14 Facilities Charges			1			1	0	0.00
15 Minimum			218			218	0	0.00
16 Miscellaneous			(279)			(279)	0	(0.09)
17 Delivery Subtotal	740,103		\$175,727	740,103		\$176,955	\$1,228	0.70
18 Unbilled Delivery			(45)			(44)	1	(2.22)
19 Delivery Subtotal w unbilled			\$175,682			\$176,911	\$1,229	0.70
20								
21								
Supply								
23 BGSS	740,103	0.533697	\$394,991	740,103	0.533697	\$394,991	\$0	0.00
24 Emergency Sales Service	0	0.000000	0	0	0.000000	0	0	0.00
25 BGSS Contrib. from TSG-F, TSG-NF & CIG	0	0.000000	0	740,103	(0.000022)	(16)	(16)	0.00
26								
27 Miscellaneous			(143)			(143)	0	0.00
28 Supply Subtotal	740,103		\$394,848	740,103		\$394,832	(\$16)	0.00
29 Unbilled Supply			1,184			1,184	0	0.00
30 Supply Subtotal w unbilled			\$396,032			\$396,016	(\$16)	0.00
31								
32 Total Delivery + Supply	740,103		<u>\$571,714</u>	740,103		<u>\$572,927</u>	<u>\$1,213</u>	0.21

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36 Notes:

37 All customers assumed to be on BGSS.

38 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2019

39 plus applicable BGSS charges.

**RATE SCHEDULE SLG
STREET LIGHTING SERVICE
GSMP II**

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

	Annualized Weather Normalized			Proposed			Difference	
	<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)
<u>Delivery</u>								
1 Single	10.392	13.2351	\$137.539	10.392	13.2351	\$137.539	\$0.000	0.00
2 Double Inverted	0.108	13.2351	1.429	0.108	13.2351	1.429	0.000	0.00
3 Double Upright	0.588	13.2351	7.782	0.588	13.2351	7.782	0.000	0.00
4 Triple prior to 1/1/93	18.096	13.2351	239.502	18.096	13.2351	239.502	0.000	0.00
5 Triple on and after 1/1/93	0.420	67.4762	28.340	0.420	67.4762	28.340	0.000	0.00
6 Distribution Therm Charge	678.777	0.045943	31.185	678.777	0.046697	31.697	0.512	1.64
7 SBC	678.777	0.049797	33.801	678.777	0.049797	33.801	0.000	0.00
8 Margin Adjustment	678.777	(0.006338)	(4.302)	678.777	(0.006338)	(4.302)	0.000	0.00
9 Green Programs Recovery Charge	678.777	0.002126	1.443	678.777	0.002126	1.443	0.000	0.00
10 Tax Adjustment Credit	678.777	(0.104035)	(70.617)	678.777	(0.104035)	(70.617)	0.000	0.00
11 Green Enabling Mechanism	678.777	0.000000	0.000	678.777	0.000000	0.000	0.000	0.00
12 Facilities Charges			0.000			0.000	0.000	0.00
13 Minimum			0.000			0.000	0.000	0.00
14 Miscellaneous			(13.010)			(13.010)	0.000	0.00
15 Delivery Subtotal	678.777		\$393.092	678.777		\$393.604	\$0.512	0.13
16 Unbilled Delivery			0.000			0.000	0.000	0.00
17 Delivery Subtotal w unbilled			\$393.092			\$393.604	\$0.512	0.13
18								
<u>Supply</u>								
20 BGSS	678.777	0.521746	\$354.149	678.777	0.521746	\$354.149	\$0.000	0.00
21 Emergency Sales Service	0.000	0.000000	0.000	0.000	0.000000	0.000	0.000	0.00
22 BGSS Contrib. from TSG-F, TSG-NF & CIG	0.000	0.000000	0.000	678.777	(0.000022)	(0.015)	(0.015)	0.00
23 Miscellaneous			131.390			131.390	0.000	0.00
24 Supply Subtotal	678.777		\$485.539	678.777		\$485.524	(\$0.015)	0.00
25 Unbilled Supply			242.770			242.762	(0.008)	0.00
26 Supply Subtotal w unbilled			\$728.309			\$728.286	(\$0.023)	0.00
27								
28 Total Delivery + Supply	678.777		\$1,121.401	678.777		\$1,121.890	\$0.489	0.04
29								
30								
31								

32 Notes:

33 All customers assumed to be on BGSS.

34 SLG units and revenues shown to 3 decimals.

35 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2019

36 plus applicable BGSS charges.

RATE SCHEDULE CIG
COGENERATION INTERRUPTIBLE SERVICE
GSMP II
(Therms & Revenue - Thousands, Rate - \$/Therm)

	Annualized Weather Normalized			Proposed			Difference	
	<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)
<u>Delivery</u>								
1 Service Charge	0.166	168.34	\$28	0.166	171.50	\$28	\$0	0.00
2 Margin 0-600,000	32,835	0.075543	2,480	32,835	0.076931	2,526	46	1.85
3 Margin over 600,000	8,232	0.065543	540	8,232	0.066931	551	11	2.04
4 Extended Gas Service	0	0.150000	0	0	0.150000	0	0	0.00
5 SBC	41,067	0.049797	2,045	41,067	0.049797	2,045	0	0.00
6 Green Programs Recovery Charge	41,067	0.002126	87	41,067	0.002126	87	0	0.00
7 Tax Adjustment Credit	41,067	(0.010966)	(450)	41,067	(0.010966)	(450)	0	0.00
8 Green Enabling Mechanism	41,067	0.000000	0	41,067	0.000000	0	0	0.00
9 Facilities Charges			0			0	0	0.00
10 Minimum			0			0	0	0.00
11 Miscellaneous			0			0	0	0.00
12 Delivery Subtotal	41,067		\$4,730	41,067		\$4,787	\$57	1.21
13 Unbilled Delivery			(32)			(32)	0	0.00
14 Delivery Subtotal w unbilled			\$4,698			\$4,755	\$57	1.21
15								
<u>Supply</u>								
17 Commodity Component	41,067	0.322205	\$13,232	41,067	0.322205	\$13,232	\$0	0.00
18 Pilot Use	1,249	1.89	2,361	1,249	1.89	2,361	0	0.00
19 Penalty Use	0		0	0		0	0	0.00
20 Extended Gas Service	5		338	5		338	0	0.00
21 Miscellaneous			0			0	0	0.00
22 Supply Subtotal	42,321		\$15,931	42,321		\$15,931	\$0	0.00
23 Unbilled Supply			(67)			(67)	0	0.00
24 Supply Subtotal w unbilled			\$15,864			\$15,864	\$0	0.00
25								
26 Total Delivery + Supply	41,067		\$20,562	41,067		\$20,619	\$57	0.28

30 Notes:

31 All customers assumed to be on BGSS.

32 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2019

33 plus applicable BGSS charges.

34

RATE SCHEDULE TSG-F
FIRM TRANSPORTATION GAS SERVICE
GSMP II
(Therms & Revenue - Thousands, Rate - \$/Therm)

	Annualized Weather Normalized			Proposed			Difference	
	<u>Units</u>	<u>Rate</u>	<u>Revenue</u>	<u>Units</u>	<u>Rate</u>	<u>Revenue</u>	<u>Revenue</u>	<u>Percent</u>
<u>Delivery</u>	(1)	(2)	(3=1*2)	(4)	(5)	(6=4*5)	(7=6-3)	(8=7/3)
1 Service Charge	0.494	702.43	\$347.000	0.494	722.23	\$356.782	\$9.782	2.82
2 Demand Charge	487	2.0574	1,001.954	487	2.0722	1,009.161	7.207	0.72
3 Demand Charge, Agreements	0	0.0000	0.000	0	0.0000	0.000	0.000	0.00
4 Distribution Charge	25,950	0.078643	2,040.786	25,950	0.079210	2,055.500	14.714	0.72
5 Distribution Charge, Agreements	0	0.000000	0.000	0	0.000000	0.000	0.000	0.00
6 SBC	25,950	0.049797	1,292.232	25,950	0.049797	1,292.232	0.000	0.00
7 SBC, Agreements	0	0.000000	0.000	0	0.000000	0.000	0.000	0.00
8 Margin Adjustment	25,950	(0.006338)	(164.471)	25,950	(0.006338)	(164.471)	0.000	0.00
9 Margin Adjustment, Agreements	0	(0.006338)	0.000	0	(0.006338)	0.000	0.000	0.00
10 Green Programs Recovery Charge	25,950	0.002126	55.170	25,950	0.002126	55.170	0.000	0.00
11 Green Programs Recovery Charge, Agreements	0	0.000000	0.000	0	0.000000	0.000	0.000	0.00
12 Tax Adjustment Credit	25,950	(0.020566)	(533.688)	25,950	(0.020566)	(533.688)	0.000	0.00
13 Green Enabling Mechanism	25,950	0.000000	0.000	25,950	0.000000	0.000	0.000	0.00
14 Facilities Charges			0.000			0.000	0.000	0.00
15 Minimum			0.000			0.000	0.000	0.00
16 Miscellaneous			(54.034)			(54.020)	0.014	(0.03)
17 Delivery Subtotal	25,950		3,984.949	25,950		4,016.666	31.717	0.80
18 Unbilled Delivery			35.553			34.836	(0.717)	(2.02)
19 Delivery Subtotal w unbilled			4,020.502			4,051.502	31.000	0.77
20								
21 <u>Supply</u>								
22 Commodity Charge, BGSS-F	25,950	0.515299	\$13,372.000	25,950	0.515299	\$13,372.000	\$0.000	0.00
23 Emergency Sales Service	0	0.000000	0.000	0	0.000000	0.000	0.000	0.00
24 Miscellaneous			0.000			0.000	0.000	0.00
25 Supply Subtotal	25,950		\$13,372.000	25,950		\$13,372.000	\$0.000	0.00
26 Unbilled Supply			0.000			0.000	0.000	0.00
27 Supply Subtotal w unbilled			\$13,372.000			\$13,372.000	\$0.000	0.00
28								
29 Total Delivery + Supply	25,950		\$17,392.502	25,950		\$17,423.502	\$31.000	0.18
30								
31								
32								

33 Notes:

34 All customers assumed to be on BGSS.

35 TSG-F revenues shown to 3 decimals.

36 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2019

37 plus applicable BGSS charges.

RATE SCHEDULE TSG-NF
NON-FIRM TRANSPORTATION GAS SERVICE
GSMP II
(Therms & Revenue - Thousands, Rate - \$/Therm)

	Annualized Weather Normalized			Proposed			Difference	
	<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)
<u>Delivery</u>								
1 Service Charge	2,218	702.43	\$1,558	2,218	722.23	\$1,602	\$44	2.82
2 Dist Charge 0-50,000	99,839	0.084225	8,409	99,839	0.085720	8,558	149	1.77
3 Dist Charge 0-50,000, Agreements	600	0.023333	14	600	0.023333	14	0	0.00
4 Dist Charge over 50,000	67,427	0.084225	5,679	67,427	0.085720	5,780	101	1.78
5 Dist Charge over 50,000, Agreements	11,318	0.023502	266	11,318	0.023502	266	0	0.00
6 SBC	167,266	0.049797	8,329	167,266	0.049797	8,329	0	0.00
7 SBC, Agreements	11,918	0.042876	511	11,918	0.042876	511	0	0.00
8 Green Programs Recovery Charge	167,266	0.002126	356	167,266	0.002126	356	0	0.00
9 Green Programs Recovery Charge, Agreements	11,918	0.005370	64	11,918	0.005370	64	0	0.00
10 Tax Adjustment Credit	167,266	(0.009043)	(1,513)	167,266	(0.009043)	(1,513)	0	0.00
11 Green Enabling Mechanism	167,266	0.000000	0	167,266	0.000000	0	0	0.00
12 Facilities Charges			5			5	0	0.00
13 Minimum			0			0	0	0.00
14 Miscellaneous			(277)			(277)	0	0.00
15 Delivery Subtotal	179,184		\$23,401	179,184		\$23,695	\$294	1.26
16 Unbilled Delivery			(7,874)			(7,972)	(98)	1.24
17 Delivery Subtotal w unbilled			\$15,527			\$15,723	\$196	1.26
18								
<u>Supply</u>								
20 Commodity Charge, BGSS-I	179,184	0.482002	\$86,367	179,184	0.482002	\$86,367	\$0	0.00
21 Emergency Sales Service	0	0.000000	0	0	0.000000	0	0	0.00
22 Pilot Use	26	1.890000	49	26	1.890000	49	0	0.00
23 Penalty Use	19	0.526316	10	19	0.526316	10	0	0.00
24 Miscellaneous			2			2	0	0.00
25 Supply Subtotal	179,229		\$86,428	179,229		\$86,428	\$0	0.00
26 Unbilled Supply			(2,924)			(2,924)	0	0.00
27 Supply Subtotal w unbilled			\$83,504			\$83,504	\$0	0.00
28								
29 Total Delivery + Supply	179,184		\$99,031	179,184		\$99,227	\$196	0.20

33 Notes:

34 All customers assumed to be on BGSS.

35 Annualized Weather Normalized Revenue reflects Delivery rates in effect 10/1/2019

36 plus applicable BGSS charges.

**RATE SCHEDULE CSG
CONTRACT SERVICES
GSMP II**

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

	Annualized Weather Normalized			Proposed			Difference	
	Units (1)	Rate (2)	Revenue (3=1*2)	Units (4)	Rate (5)	Revenue (6=4*5)	Revenue (7=6-3)	Percent (8=7/3)
Delivery								
1 Service Charge - Power	0.0800	702.43	\$56	0.0800	722.23	\$58	\$2	3.57
2 Service Charge - Power- Non Firm	0.0120	702.43	8	0.0120	722.23	9	1	12.50
3 Service Charge - Other	0.1090	702.43	77	0.1090	722.23	79	2	2.60
4 Distribution Charge - Power	599,445	0.006051	3,627	599,445	0.006051	3,627	0	0.00
5 Distribution Charge - Power- Non Firm	4,755	0.084225	400	4,755	0.085720	408	8	2.00
6 Distribution Charge - Other	185,648	0.011904	2,210	185,648	0.011904	2,210	0	0.00
7 Maintenance - Power	599,445	0.000142	85	599,445	0.000142	85	0	0.00
8 Maintenance - Power- Non Firm	4,755	0.000000	0	4,755	0.000000	0	0	0.00
9 Maintenance - Other	185,648	0.000113	21	185,648	0.000113	21	0	0.00
10 Pilot Use	0	0.000000	0	0	0.000000	0	0	0.00
11 Penalty Use	0	0.000000	0	0	0.000000	0	0	0.00
Balancing Charge (applicable only if 12 customer uses BGSS-F)	0	0.000000	0	0	0.000000	0	0	0.00
13 SBC	789,848	0.049797	980	789,848	0.049797	980	0	0.00
14 Green Programs Recovery Charge	789,848	0.002126	149	789,848	0.002126	149	0	0.00
15 Tax Adjustment Credit	789,848	(0.001285)	(1,015)	789,848	(0.001285)	(1,015)	0	0.00
16 Green Enabling Mechanism	789,848	0.000000	0	789,848	0.000000	0	0	0.00
17 Facilities Chg.			840			840	0	0.00
18 Minimum			271			271	0	0.00
19 Sales Tax Discount - Delivery			(428)			(428)	0	0.00
20 Misc.			300			300	0	0.00
21 Delivery Subtotal	789,848		7,581	789,848		7,594	13	0.17
22 Unbilled Delivery			(90)			(90)	0	0.00
23 Delivery Subtotal w/ Unbilled	789,848		7,491	789,848		7,504	13	0.17
24								
Supply								
26 BGSS-Firm - Power	0	0.000000	0	0	0.000000	0	0	0.00
27 BGSS-Firm - Power- Non Firm	0	0.000000	0	0	0.000000	0	0	0.00
28 BGSS-Firm - Other	0	0.000000	0	0	0.000000	0	0	0.00
29								
30 BGSS-Interruptible - Power	0	0.000000	0	0	0.000000	0	0	0.00
31 BGSS-Interruptible - Power- Non Firm	0	0.000000	0	0	0.000000	0	0	0.00
32 BGSS-Interruptible - Other	0	0.000000	0	0	0.000000	0	0	0.00
33								
34 Emergency Sales Svc. - Power	0	0.000000	0	0	0.000000	0	0	0.00
35 Emergency Sales Svc. - Power- Non Firm	0	0.000000	0	0	0.000000	0	0	0.00
36 Emergency Sales Svc - Other	0	0.000000	0	0	0.000000	0	0	0.00
37								
38 Pilot Use	26	1.89	49	26	1.89	49	0	0.00
39 Penalty Use	0	0.000000	0	0	0.000000	0	0	0.00
40 Misc.	19		0	19		0	0	0.00
41 Supply Subtotal	45		49	45		49.140	0	0.00
42 Unbilled Supply	0		0	0		0	0	0.00
43 Supply Subtotal w/ Unbilled	45		49	45		49.140	0	0.00
44								
45 Total Delivery & Supply	789,893		7,540	789,893		7,553	13	0.17

**Gas Tariff Rates
GSMP II**

Rate Schedule	Description	Present		Proposed	
		Charge without SUT	Charge Including SUT	Charge without SUT	Charge Including SUT
RSG	Service Charge	\$8.08	\$8.62	\$8.08	\$8.62
	Distribution Charges	\$0.351392	\$0.374672	\$0.360706	\$0.384603
	Balancing Charge	\$0.092492	\$0.098620	\$0.092492	\$0.098620
	Off-Peak Use	\$0.175696	\$0.187336	\$0.180353	\$0.192301
GSG	Service Charge	\$14.77	\$15.75	\$15.19	\$16.20
	Distribution Charge - Pre July 14, 1997	\$0.283256	\$0.302022	\$0.288299	\$0.307399
	Distribution Charge - All Others	\$0.283256	\$0.302022	\$0.288299	\$0.307399
	Balancing Charge	\$0.092492	\$0.098620	\$0.092492	\$0.098620
	Off-Peak Use Dist Charge - Pre July 14, 1997	\$0.141628	\$0.151011	\$0.144150	\$0.153700
	Off-Peak Use Dist Charge - All Others	\$0.141628	\$0.151011	\$0.144150	\$0.153700
LVG	Service Charge	\$131.15	\$139.84	\$134.85	\$143.78
	Demand Charge	\$3.9314	\$4.1919	\$3.9473	\$4.2088
	Distribution Charge 0-1,000 pre July 14, 1997	\$0.040281	\$0.042950	\$0.042298	\$0.045100
	Distribution Charge over 1,000 pre July 14, 1997	\$0.042215	\$0.045012	\$0.041894	\$0.044669
	Distribution Charge 0-1,000 post July 14, 1997	\$0.040281	\$0.042950	\$0.042298	\$0.045100
	Distribution Charge over 1,000 post July 14, 1997	\$0.042215	\$0.045012	\$0.041894	\$0.044669
	Balancing Charge	\$0.092492	0.09862	\$0.092492	\$0.098620
SLG	Single-Mantle Lamp	\$13.2351	\$14.1119	\$13.2351	\$14.1119
	Double-Mantle Lamp, inverted	\$13.2351	\$14.1119	\$13.2351	\$14.1119
	Double Mantle Lamp, upright	\$13.2351	\$14.1119	\$13.2351	\$14.1119
	Triple-Mantle Lamp, prior to January 1, 1993	\$13.2351	\$14.1119	\$13.2351	\$14.1119
	Triple-Mantle Lamp, on and after January 1, 1993	\$67.4762	\$71.9465	\$67.4762	\$71.9465
	Distribution Therm Charge	\$0.045943	\$0.048987	\$0.046697	\$0.049791

**Gas Tariff Rates
GSMP II**

Rate Schedule	Description	Present		Proposed	
		Charge without SUT	Charge Including SUT	Charge without SUT	Charge Including SUT
TSG-F	Service Charge	\$702.43	\$748.97	\$722.23	\$770.08
	Demand Charge	\$2.0574	\$2.1937	\$2.0722	\$2.2095
	Distribution Charges	\$0.078643	\$0.083853	\$0.079210	\$0.084458
TSG-NF	Service Charge	\$702.43	\$748.97	\$722.23	\$770.08
	Distribution Charge 0-50,000	\$0.084225	\$0.089805	\$0.085720	\$0.091399
	Distribution Charge over 50,000	\$0.084225	\$0.089805	\$0.085720	\$0.091399
	Special Provision (d)	\$1.89	\$2.02	\$1.89	\$2.02
CIG	Service Charge	\$168.34	\$179.49	\$171.50	\$182.86
	Distribution Charge 0-600,000	\$0.075543	\$0.080548	\$0.076931	\$0.082028
	Distribution Charge over 600,000	\$0.065543	\$0.069885	0.066931	\$0.071365
	Special Provision (c) 1st para	\$1.89	\$2.02	\$1.89	\$2.02
BGSS RSG	Commodity Charge including Losses	\$0.319048	\$0.340185	\$0.318994	\$0.340127
CSG	Service Charge	\$702.43	\$748.97	\$722.23	\$770.08
	Distribution Charge - Non-Firm	\$0.084225	\$0.089805	\$0.085720	\$0.091399

TYPICAL RESIDENTIAL GAS BILL IMPACTS

The effect of the proposed change in the gas base rate on typical residential gas bills, if approved by the Board, is illustrated below:

Residential Gas Service					
If Your Monthly Winter Therm Use Is:	And Your Annual Therm Use Is:	Then Your Present Annual Bill (1) Would Be:	And Your Proposed Annual Bill (2) Would Be:	Your Annual Bill Change Would Be:	And Your Percent Change Would Be:
25	170	\$228.68	\$230.36	\$1.68	0.73%
50	340	353.84	357.16	3.32	0.94
100	610	561.92	567.94	6.02	1.07
159	1,000	860.29	870.17	9.88	1.15
172	1,040	885.06	895.22	10.16	1.15
200	1,210	1,012.50	1,024.42	11.92	1.18
300	1,816	1,467.90	1,485.80	17.90	1.22

- (1) Based upon current Delivery Rates and Basic Gas Supply Service (BGSS-RSG) charges in effect October 1, 2019 and assumes that the customer receives commodity service from Public Service.
(2) Same as (1) except includes change for Gas System Modernization Program II Base Rate Adjustments.

Residential Gas Service					
If Your Annual Therm Use Is:	And Your Monthly Winter Therm Use Is:	Then Your Present Monthly Winter Bill (3) Would Be:	And Your Proposed Monthly Winter Bill (4) Would Be:	Your Monthly Winter Bill Change Would Be:	And Your Percent Change Would Be:
170	25	\$27.55	\$27.80	\$0.25	0.91%
340	50	46.44	46.94	0.50	1.08
610	100	85.32	86.30	0.98	1.15
1,040	172	140.54	142.24	1.70	1.21
1,210	200	161.99	163.97	1.98	1.22
1,816	300	238.70	241.66	2.96	1.24

- (3) Based upon current Delivery Rates and Basic Gas Supply Service (BGSS-RSG) charges in effect October 1, 2019 and assumes that the customer receives commodity service from Public Service.
(4) Same as (3) except includes change for Gas System Modernization Program II Base Rate Adjustments.