



Amy E. Hirkakis
Senior Counsel
Legal Department

800 N. Third Street
Harrisburg, PA 17102
Cell: 717-210-9625
ahirakis@nisource.com

June 9, 2020

VIA E-File

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17210-3265

**Re: Pa. P.U.C. v. Columbia Gas of Pennsylvania, Inc.
Docket No. R-2020-3018835**

Secretary Chiavetta:

On April 24, 2020, Columbia Gas of Pennsylvania, Inc. (“Columbia”) filed Supplement No. 307 to Tariff Gas Pa. P.U.C. No. 9, submitted pursuant to 66 Pa.C.S. § 1308, along with supporting exhibits, standard data responses, and testimony required to be submitted in conjunction with a tariff change seeking a general rate increase. In the process of responding to data request submitted by the parties in this proceeding, it has come to Columbia’s attention that Columbia Statement No. 11 (the Direct Testimony of Chad Notestone) does not have Exhibit CEN-2 attached. Columbia Statement No. 11 references Exhibit No. CEN-2, and the Company had intended for this exhibit to be attached to the testimony when the filing was made and served on the parties. Columbia has enclosed Exhibit CEN-2 for filing and will serve a copy of the exhibit as provided on the Certificate of Service. Columbia will also make the exhibit available via the Box, the cloud-based storage website employed by the Company for service of the rate case application and discovery responses.

Please feel free to contact me if you have any questions.

Very truly yours,


Amy E. Hirkakis

/kak

Enclosure

cc: Certificate of Service (w/enc.)
Judge Katrina L. Dunderdale

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 1
DESIGN DAY [1] (2019-2020)

LINE NO.	Rate	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	FLEX [2]	Total
1	RCC/RC2	31,400	0	0	0	0	0	31,400
2	RS	313,400	0	0	0	0	0	313,400
3	RTC	108,100	0	0	0	0	0	108,100
4	LG1	0	0	0	5,500	0	0	5,500
5	LG2	0	0	0	7,000	0	0	7,000
6	SC2	0	0	18,600	0	0	0	18,600
7	SCC	0	20,900	0	0	0	0	20,900
8	SG2	0	0	54,200	0	0	0	54,200
9	SGS	0	55,200	0	0	0	0	55,200
10	SG4	0	0	1,300	0	0	0	1,300
11	TAG1	0	304	0	0	0	0	304
12	TAG2	0	0	6,880	0	0	0	6,880
13	TAG5	0	1,682	0	0	0	0	1,682
14	TAG6	0	0	29,120	0	0	0	29,120
15	TI4	0	0	0	14,606	0	0	14,606
16	TI8	0	0	0	0	16,534	0	16,534
17	TIB	0	0	0	32,701	0	0	32,701
18	TIF	0	0	0	0	23,311	0	23,311
19	TIG	0	0	0	0	4,416	0	4,416
20	FLEX	0	0	0	0	0	47,369	47,369
21	Total	452,900	78,086	110,100	59,807	44,261	47,369	792,523
22	MDS							18,810
23	Other (Co. Used)							2,200
24	Total							813,533
25	ALLOCATOR #1	57.147%	9.853%	13.892%	7.546%	5.585%	5.977%	100.000%

[1] Includes Firm and Non-Firm Service. Volumes in MDth/Day.

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTORS 2, 3, & 25
THROUGHPUT EXCLUDING TRANSPORTATION, THROUGHPUT EXCLUDING MDS

LINE NO.		RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX	TOTAL
	<u>Sales</u>								
1	RSS	24,364,834	-	-	-	-	-	-	24,364,834
2	RDGSS	-	-	-	-	-	-	-	-
3	RCC 1/	2,449,098	-	-	-	-	-	-	2,449,098
4	SGSS1	-	4,118,413	-	-	-	-	-	4,118,413
5	SGSS2	-	-	4,308,373	-	-	-	-	4,308,373
6	NSS/MLSS-1	-	-	-	-	-	69,300	-	69,300
7	LGSS1 & 2	-	-	-	1,071,488	-	-	-	1,071,488
8	LGSS3 & greater	-	-	-	-	-	-	-	-
	<u>Transportation</u>								
8	RDS	7,831,261	-	-	-	-	-	-	7,831,261
9	RDGDS	-	-	-	-	-	-	-	-
10	SCD1	-	1,350,072	-	-	-	-	-	1,350,072
11	SCD2	-	-	1,392,411	-	-	-	-	1,392,411
12	SGDS1	-	229,931	-	-	-	-	-	229,931
13	SGDS2	-	-	3,716,985	-	-	-	-	3,716,985
14	SDS	-	-	-	6,476,023	-	-	-	6,476,023
15	LDS	-	-	-	-	10,687,026	-	-	10,687,026
16	FLEX	-	-	-	-	-	-	10,402,760	10,402,760
17	MLDS	-	-	-	-	-	1,183,000	-	1,183,000
18	Total Throughput Excl. Trans. (Allocator 2)	26,813,932	4,118,413	4,308,373	1,071,488	-	69,300	-	36,381,506
19	ALLOCATOR #2	73.703%	11.320%	11.842%	2.945%	0.000%	0.190%	0.000%	
20	Total Throughput Excl. MDS (Allocator 3)	34,645,192	5,698,416	9,417,769	7,547,511	10,687,026	-	10,402,760	78,398,675
21	ALLOCATOR #3	44.190%	7.269%	12.013%	9.627%	13.632%	-	13.269%	
22	Sales and Choice Volume	34,645,192	5,468,485	5,700,784	1,071,488	-	69,300	-	46,955,249
23	ALLOCATOR #25	73.783%	11.646%	12.141%	2.282%	0.000%	0.148%	0.000%	

**COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 4**

LINE NO.		GAS PURCHASE EXPENSE							TOTAL
		RSS/RDS GAS COST	SGS/DS-1 GAS COST	SGS/DS-2 GAS COST	SDS/LGSS GAS COST	LDS/LGSS GAS COST	MDS GAS COST	FLEX GAS COST	
1	RSS	84,809,113	-	-	-	-	-	-	84,809,113
2	RCC	8,524,820	-	-	-	-	-	-	8,524,820
3	RDS	8,428,786	-	-	-	-	-	-	8,428,786
4	SGSS	-	14,335,373	14,996,586	-	-	-	-	29,331,959
5	NSS	-	-	-	-	-	216,795	-	216,795
6	SCD	-	1,453,082	1,498,652	-	-	-	-	2,951,734
7	SGDS	-	44,271	897,864	-	-	-	-	942,135
8	LGS	-	-	-	3,729,634	-	-	-	3,729,634
9	TOTAL	101,762,719	15,832,726	17,393,102	3,729,634	-	216,795	-	138,934,976
10	ALLOCATOR #4	73.245%	11.396%	12.519%	2.684%	0.000%	0.156%	0.000%	

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 5
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
PEAK & AVERAGE

PAGE 1

WITNESS: C.E. Notestone

1 Total Company - Average Unit Cost of Mains

3	Kind	Size	Key	Total Company		Direct Assignment		Allocable Pipe		Average
				Quantity (Footage)	Amount	Quantity (Footage)	Amount	Quantity (Footage)	Amount	Cost per Foot
4	CAST IRON	3"	CAST IRON 3"	2,725	4,971	-	-	2,725	4,971	1.82
5	CAST IRON	4"	CAST IRON 4"	41,999	134,567	-	-	41,999	134,567	3.20
6	CAST IRON	6"	CAST IRON 6"	6,242	18,422	-	-	6,242	18,422	2.95
7	CAST IRON	8"	CAST IRON 8"	4,041	9,727	-	-	4,041	9,727	2.41
8	CAST IRON	12"	CAST IRON 12"	1,088	50,118	-	-	1,088	50,118	46.06
9	PLASTIC	1"	PLASTIC 1"	24,764	113,492	-	-	24,764	113,492	4.58
10	PLASTIC	1-1/8"	PLASTIC 1-1/8"	1,151	5,619	-	-	1,151	5,619	4.88
11	PLASTIC	1-1/4"	PLASTIC 1-1/4"	347,199	2,114,227	-	-	347,199	2,114,227	6.09
12	PLASTIC	2"	PLASTIC 2"	11,173,663	246,664,156	-	-	11,173,663	246,664,156	22.08
13	PLASTIC	3"	PLASTIC 3"	2,183,413	26,744,095	-	-	2,183,413	26,744,095	12.25
14	PLASTIC	4"	PLASTIC 4"	6,965,357	411,311,451	-	-	6,965,357	411,311,451	59.05
15	PLASTIC	6"	PLASTIC 6"	2,708,251	239,990,697	384	12,749	2,707,867	239,977,948	88.62
16	PLASTIC	8"	PLASTIC 8"	1,465,096	199,521,182	-	-	1,465,096	199,521,182	136.18
17	STEEL	1/2"	STEEL 1/2"	3	233	-	-	3	233	77.74
18	STEEL	3/4"	STEEL 3/4"	6,553	12,038	-	-	6,553	12,038	1.84
19	STEEL	1"	STEEL 1"	34,847	127,917	-	-	34,847	127,917	3.67
20	STEEL	1-1/4"	STEEL 1-1/4"	262,255	716,339	-	-	262,255	716,339	2.73
21	STEEL	1-1/2"	STEEL 1-1/2"	8,627	11,796	-	-	8,627	11,796	1.37
22	STEEL	2"	STEEL 2"	3,061,957	8,013,523	840	4,331	3,061,117	8,009,192	2.62
23	STEEL	2-1/2"	STEEL 2-1/2"	3,880	18,811	-	-	3,880	18,811	4.85
24	STEEL	3"	STEEL 3"	854,703	2,762,401	-	-	854,703	2,762,401	3.23
25	STEEL	3-1/4"	STEEL 3-1/4"	653	3,764	-	-	653	3,764	5.76
26	STEEL	3-1/2"	STEEL 3-1/2"	3,649	20,815	-	-	3,649	20,815	5.70
27	STEEL	4"	STEEL 4"	4,677,021	31,476,909	36	18,504	4,676,985	31,458,405	6.73
28	STEEL	4-1/2"	STEEL 4-1/2"	1,458	18,124	-	-	1,458	18,124	12.43
29	STEEL	4-7/8"	STEEL 4-7/8"	8,032	17,413	-	-	8,032	17,413	2.17
30	STEEL	5"	STEEL 5"	40,004	39,834	93	41	39,911	39,793	1.00
31	STEEL	5-3/16"	STEEL 5-3/16"	16,976	36,066	-	-	16,976	36,066	2.12
32	STEEL	5-1/4"	STEEL 5-1/4"	67	344	-	-	67	344	5.14
33	STEEL	5-5/8"	STEEL 5-5/8"	12,354	14,502	-	-	12,354	14,502	1.17
34	STEEL	6"	STEEL 6"	3,014,499	35,976,281	14,246	145,760	3,000,253	35,830,521	11.94
35	STEEL	6-1/4"	STEEL 6-1/4"	15,981	5,618	-	-	15,981	5,618	0.35
36	STEEL	6-5/8"	STEEL 6-5/8"	101,367	655,523	-	-	101,367	655,523	6.47
37	STEEL	7-5/8"	STEEL 7-5/8"	636	25,405	-	-	636	25,405	39.94
38	STEEL	8"	STEEL 8"	1,475,420	48,990,941	-	-	1,475,420	48,990,941	33.20
39	STEEL	8-1/4"	STEEL 8-1/4"	282	2,429	-	-	282	2,429	8.61
40	STEEL	8-5/8"	STEEL 8-5/8"	8,232	361,804	-	-	8,232	361,804	43.95
41	STEEL	9-5/8"	STEEL 9-5/8"	1,269	7,380	-	-	1,269	7,380	5.82
42	STEEL	10"	STEEL 10"	727,641	33,889,857	-	-	727,641	33,889,857	46.57
43	STEEL	12"	STEEL 12"	434,751	52,038,729	-	-	434,751	52,038,729	119.70
44	STEEL	14"	STEEL 14"	450	5,167	-	-	450	5,167	11.48
45	STEEL	16"	STEEL 16"	338,345	36,449,275	-	-	338,345	36,449,275	107.73
46	STEEL	20"	STEEL 20"	33,575	6,378,737	-	-	33,575	6,378,737	189.98

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 5
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
PEAK & AVERAGE

PAGE 2

WITNESS: C.E. Notestone

1 **Total Company - Average Unit Cost of Mains (Cont)**

3	Kind	Size	Key	Total Company		Direct Assignment		Allocable Pipe		Average Cost per Foot
				Quantity (Footage)	Amount	Quantity (Footage)	Amount	Quantity (Footage)	Amount	
4	WROUGHT IRON	2"	WROUGHT IRON 2"	23,703	25,521	-	-	23,703	25,521	1.08
5	WROUGHT IRON	3"	WROUGHT IRON 3"	43,331	7,792	-	-	43,331	7,792	0.18
6	WROUGHT IRON	4"	WROUGHT IRON 4"	66,287	4,358	-	-	66,287	4,358	0.07
7	WROUGHT IRON	6"	WROUGHT IRON 6"	50,538	254	-	-	50,538	254	0.01
8	WROUGHT IRON	6-5/8"	WROUGHT IRON 6-5/8"	1,622	151	-	-	1,622	151	0.09
9	WROUGHT IRON	8"	WROUGHT IRON 8"	111,033	2,290	-	-	111,033	2,290	0.02
10	WROUGHT IRON	10"	WROUGHT IRON 10"	42,308	683	-	-	42,308	683	0.02
11	WROUGHT IRON	12"	WROUGHT IRON 12"	661	5,721	-	-	661	5,721	8.66
12	Total Pipe			40,409,960	1,384,807,468	15,599	181,385	40,394,361	1,384,626,083	34.28
13	OTHER NON-PIPE				391,969,690		45,985		391,923,705	
14	Total Account 376				1,776,777,159		227,370		1,776,549,788	

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 5
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
PEAK & AVERAGE

PAGE 3
WITNESS: C.E. Notestone

1 **Total Company - Transmission Class Mains**

2					Average	
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Amount</u>
4	STEEL	10"	STEEL 10"	42,171	46.57	1,963,903.47
5	STEEL	12"	STEEL 12"	97,870	119.70	11,715,039.00
6	STEEL	16"	STEEL 16"	49,050	107.73	5,284,156.50
7	STEEL	2"	STEEL 2"	1,163	2.62	3,047.06
8	STEEL	4"	STEEL 4"	10,846	6.73	72,993.58
9	STEEL	6"	STEEL 6"	10,051	11.94	120,008.94
10	STEEL	8"	STEEL 8"	9,965	33.20	330,838.00
11	PLASTIC	4"	PLASTIC 4"	134	59.05	7,912.70
12	PLASTIC	8"	PLASTIC 8"	12	136.18	1,634.16
11	STEEL	1-1/2"	STEEL 1-1/2"	45	1.37	61.65
12	STEEL	3"	STEEL 3"	<u>1,184</u>	3.23	<u>3,824.32</u>
13	Total			222,491		19,503,419.38

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 5
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
PEAK & AVERAGE

PAGE 4
WITNESS: C.E. Notestone

1 **Total Company - Distribution Low Pressure Mains**

2					Average	
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Amount</u>
4	CAST IRON	3"	CAST IRON 3"	2,725	1.82	4,959.50
5	CAST IRON	4"	CAST IRON 4"	41,999	3.20	134,396.80
6	CAST IRON	6"	CAST IRON 6"	6,242	2.95	18,413.90
7	CAST IRON	8"	CAST IRON 8"	4,041	2.41	9,738.81
8	CAST IRON	12"	CAST IRON 12"	1,088	46.06	50,113.28
9	PLASTIC	1"	PLASTIC 1"	6,043	4.58	27,676.94
10	PLASTIC	1-1/8"	PLASTIC 1-1/8"	983	4.88	4,797.04
11	PLASTIC	1-1/4"	PLASTIC 1-1/4"	59,038	6.09	359,541.42
12	PLASTIC	2"	PLASTIC 2"	1,141,645	22.08	25,207,521.60
13	PLASTIC	3"	PLASTIC 3"	710,994	12.25	8,709,676.50
14	PLASTIC	4"	PLASTIC 4"	1,919,288	59.05	113,333,956.40
15	PLASTIC	6"	PLASTIC 6"	735,487	88.62	65,178,857.94
16	PLASTIC	8"	PLASTIC 8"	260,973	136.18	35,539,303.14
17	STEEL	1/2"	STEEL 1/2"	0	77.74	0.00
18	STEEL	3/4"	STEEL 3/4"	0	1.84	0.00
19	STEEL	1"	STEEL 1"	3,073	3.67	11,277.91
20	STEEL	1-1/4"	STEEL 1-1/4"	11,398	2.73	31,116.54
21	STEEL	1-1/2"	STEEL 1-1/2"	2,765	1.37	3,788.05
22	STEEL	2"	STEEL 2"	711,122	2.62	1,863,139.64
23	STEEL	2-1/2"	STEEL 2-1/2"	3,074	4.85	14,908.90
24	STEEL	3"	STEEL 3"	441,822	3.23	1,427,085.06
25	STEEL	3-1/4"	STEEL 3-1/4"	0	5.76	0.00
26	STEEL	3-1/2"	STEEL 3-1/2"	3,374	5.70	19,231.80
27	STEEL	4"	STEEL 4"	2,341,693	6.73	15,759,593.89
28	STEEL	4-1/2"	STEEL 4-1/2"	1,335	12.43	16,594.05
29	STEEL	4-7/8"	STEEL 4-7/8"	5,426	2.17	11,774.42
30	STEEL	5"	STEEL 5"	19,612	1.00	19,612.00
31	STEEL	5-3/16"	STEEL 5-3/16"	9,548	2.12	20,241.76
32	STEEL	5-1/4"	STEEL 5-1/4"	67	5.14	344.38
33	STEEL	5-5/8"	STEEL 5-5/8"	10,204	1.17	11,938.68
34	STEEL	6"	STEEL 6"	1,346,171	11.94	16,073,281.74
35	STEEL	6-1/4"	STEEL 6-1/4"	9,145	0.35	3,200.75
36	STEEL	6-5/8"	STEEL 6-5/8"	72,483	6.47	468,965.01
37	STEEL	8"	STEEL 8"	257,332	33.20	8,543,422.40
38	STEEL	8-1/4"	STEEL 8-1/4"	0	8.61	0.00
39	STEEL	8-5/8"	STEEL 8-5/8"	0	43.95	0.00
40	STEEL	9-5/8"	STEEL 9-5/8"	0	5.82	0.00
41	STEEL	10"	STEEL 10"	150,934	46.57	7,028,996.38
42	STEEL	12"	STEEL 12"	32,518	119.70	3,892,404.60
43	STEEL	14"	STEEL 14"	450	11.48	5,166.00
44	STEEL	16"	STEEL 16"	18,756	107.73	2,020,583.88
45	STEEL	20"	STEEL 20"	1,642	189.98	311,947.16

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 5
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
PEAK & AVERAGE

PAGE 5
WITNESS: C.E. Notestone

1 **Total Company - Distribution Low Pressure Mains (Cont)**

2					Average	
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Amount</u>
4	WROUGHT IRON	2"	WROUGHT IRON 2"	578	1.08	624.24
5	WROUGHT IRON	3"	WROUGHT IRON 3"	5,607	0.18	1,009.26
6	WROUGHT IRON	4"	WROUGHT IRON 4"	9,525	0.07	666.75
7	WROUGHT IRON	6"	WROUGHT IRON 6"	3,256	0.01	32.56
8	WROUGHT IRON	6-5/8"	WROUGHT IRON 6-5/8"	0	0.09	0.00
9	WROUGHT IRON	8"	WROUGHT IRON 8"	2,419	0.02	48.38
10	WROUGHT IRON	10"	WROUGHT IRON 10"	553	0.02	11.06
11	WROUGHT IRON	12"	WROUGHT IRON 12"	<u>319</u>	8.66	<u>2,761.10</u>
12	Total			10,366,747		306,142,721.62

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 5
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
PEAK & AVERAGE

PAGE 6
WITNESS: C.E. Notestone

1 **Total Company - Distribution Regulated Pressure Only Mains**

2				Total	Direct Assignment	Allocable	Average	
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Amount</u>
4	PLASTIC	1-1/4"	PLASTIC 1-1/4"	288,161	0	288,161	6.09	1,754,900.49
5	PLASTIC	2"	PLASTIC 2"	9,903,912	0	9,903,912	22.08	218,678,376.96
6	PLASTIC	3"	PLASTIC 3"	1,385,038	0	1,385,038	12.25	16,966,715.50
7	PLASTIC	4"	PLASTIC 4"	4,630,388	0	4,630,388	59.05	273,424,411.40
8	PLASTIC	6"	PLASTIC 6"	1,446,213	0	1,446,213	88.62	128,163,396.06
9	PLASTIC	8"	PLASTIC 8"	480,265	0	480,265	136.18	65,402,487.70
10	STEEL	1-1/4"	STEEL 1-1/4"	250,857	0	250,857	2.73	684,839.61
11	STEEL	2"	STEEL 2"	2,319,562	0	2,319,562	2.62	6,077,252.44
12	STEEL	3"	STEEL 3"	357,810	0	357,810	3.23	1,155,726.30
13	STEEL	4"	STEEL 4"	1,865,303	0	1,865,303	6.73	12,553,489.19
14	STEEL	5"	STEEL 5"	20,392	93	20,299	1.00	20,298.63
15	STEEL	6"	STEEL 6"	839,662	0	839,662	11.94	10,025,566.79
16	STEEL	8"	STEEL 8"	446,135	0	446,135	33.20	14,811,683.00
17	STEEL	10"	STEEL 10"	32,603	0	32,603	46.57	1,518,321.71
18	STEEL	12"	STEEL 12"	84,535	0	84,535	119.70	10,118,894.56
19	STEEL	16"	STEEL 16"	25,055	0	25,055	107.73	2,699,175.15
20	STEEL	20"	STEEL 20"	29	0	29	189.98	5,509.42
21	WROUGHT IRON	2"	WROUGHT IRON 2"	17,012	0	17,012	1.08	18,372.96
22	WROUGHT IRON	6"	WROUGHT IRON 6"	47,282	0	47,282	0.01	472.82
23	WROUGHT IRON	8"	WROUGHT IRON 8"	<u>43,243</u>	<u>0</u>	<u>43,243</u>	0.02	<u>864.86</u>
24	Total			24,483,457	93	24,483,364		764,080,755.55

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 5
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
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1 **Total Company - Remaining Regulated Pressure Mains**

2					Direct Assignment	Allocable		
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Amount</u>	
4	CAST IRON	3"	CAST IRON 3"	0	0	0	11.84	
5	CAST IRON	4"	CAST IRON 4"	0	0	0	170.34	
6	CAST IRON	6"	CAST IRON 6"	0	0	0	7.99	
7	CAST IRON	8"	CAST IRON 8"	0	0	0	(11.81)	
8	CAST IRON	12"	CAST IRON 12"	0	0	0	5.20	
9	PLASTIC	1"	PLASTIC 1"	18,721	0	18,721	85,814.70	
10	PLASTIC	1-1/8"	PLASTIC 1-1/8"	168	0	168	821.48	
11	PLASTIC	1-1/4"	PLASTIC 1-1/4"	0	0	0	(214.90)	
12	PLASTIC	2"	PLASTIC 2"	128,106	0	128,106	2,778,257.35	
13	PLASTIC	3"	PLASTIC 3"	87,381	0	87,381	1,067,703.04	
14	PLASTIC	4"	PLASTIC 4"	415,547	0	415,547	24,545,170.41	
15	PLASTIC	6"	PLASTIC 6"	526,551	384	526,167	46,635,694.28	
16	PLASTIC	8"	PLASTIC 8"	723,846	0	723,846	98,577,756.82	
17	STEEL	1/2"	STEEL 1/2"	3	0	3	233.23	
18	STEEL	3/4"	STEEL 3/4"	6,553	0	6,553	12,038.20	
19	STEEL	1"	STEEL 1"	31,774	0	31,774	116,639.29	
20	STEEL	1-1/4"	STEEL 1-1/4"	0	0	0	382.36	
21	STEEL	1-1/2"	STEEL 1-1/2"	5,817	0	5,817	7,946.28	
22	STEEL	2"	STEEL 2"	30,110	840	29,270	65,752.51	
23	STEEL	2-1/2"	STEEL 2-1/2"	806	0	806	3,902.34	
24	STEEL	3"	STEEL 3"	53,887	0	53,887	175,765.68	
25	STEEL	3-1/4"	STEEL 3-1/4"	653	0	653	3,764.26	
26	STEEL	3-1/2"	STEEL 3-1/2"	275	0	275	1,582.70	
27	STEEL	4"	STEEL 4"	459,179	36	459,143	3,072,328.06	
28	STEEL	4-1/2"	STEEL 4-1/2"	123	0	123	1,530.12	
29	STEEL	4-7/8"	STEEL 4-7/8"	2,606	0	2,606	5,638.76	
30	STEEL	5"	STEEL 5"	0	0	0	(117.80)	
31	STEEL	5-3/16"	STEEL 5-3/16"	7,428	0	7,428	15,824.00	
32	STEEL	5-1/4"	STEEL 5-1/4"	0	0	0	(0.31)	
33	STEEL	5-5/8"	STEEL 5-5/8"	2,150	0	2,150	2,563.00	
34	STEEL	6"	STEEL 6"	818,615	14,246	804,369	9,611,663.07	
35	STEEL	6-1/4"	STEEL 6-1/4"	6,836	0	6,836	2,417.52	
36	STEEL	6-5/8"	STEEL 6-5/8"	28,884	0	28,884	186,558.31	
37	STEEL	7-5/8"	STEEL 7-5/8"	636	0	636	25,404.57	
38	STEEL	8"	STEEL 8"	761,988	0	761,988	25,304,997.25	
39	STEEL	8-1/4"	STEEL 8-1/4"	282	0	282	2,429.17	
40	STEEL	8-5/8"	STEEL 8-5/8"	8,232	0	8,232	361,803.89	
41	STEEL	9-5/8"	STEEL 9-5/8"	1,269	0	1,269	7,379.67	
42	STEEL	10"	STEEL 10"	501,933	0	501,933	23,378,635.08	
43	STEEL	12"	STEEL 12"	219,828	0	219,828	26,312,390.72	
44	STEEL	14"	STEEL 14"	0	0	0	0.88	
45	STEEL	16"	STEEL 16"	245,484	0	245,484	26,445,359.47	

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 5
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
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WITNESS: C.E. Notestone

1 **Total Company - Remaining Regulated Pressure Mains (Cont)**

2				Direct Assignment	Allocable		
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Amount</u>
4	STEEL	20"	STEEL 20"	31,904	0	31,904	6,061,280.77
5	WROUGHT IRON	2"	WROUGHT IRON 2"	6,113	0	6,113	6,523.60
6	WROUGHT IRON	3"	WROUGHT IRON 3"	37,724	0	37,724	6,782.37
7	WROUGHT IRON	4"	WROUGHT IRON 4"	56,762	0	56,762	3,691.52
8	WROUGHT IRON	6"	WROUGHT IRON 6"	0	0	0	(251.29)
9	WROUGHT IRON	6-5/8"	WROUGHT IRON 6-5/8"	1,622	0	1,622	150.66
10	WROUGHT IRON	8"	WROUGHT IRON 8"	65,371	0	65,371	1,377.25
11	WROUGHT IRON	10"	WROUGHT IRON 10"	41,755	0	41,755	672.13
12	WROUGHT IRON	12"	WROUGHT IRON 12"	<u>342</u>	<u>0</u>	<u>342</u>	<u>2,960.21</u>
13	Total			5,337,265	15,506	5,321,759	294,899,186.24

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 5
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
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WITNESS: C.E. Notestone

Line No.	Description	Alloc	Total Company	RS/RDS	SGS1/SCD1/SGDS1	SGS2/SCD2/SGDS2	SDS/LGS	LDS/LGS	MDS	Flex
	Total Mains Plant in Service		1,776,777,159							
	Direct Assigned Plant		181,385							
	Other - Non Pipe		<u>391,969,690</u>							
	Allocable Pipe		1,384,626,083							
1	Transmission Pipe		19,503,419							
2	Low Pressure Pipe		306,142,722							
3	Regulated Pressure Pipe Only		764,080,756							
4	Remaining Regulated Pressure Pipe		<u>294,899,186</u>							
5	Allocated Pipe		1,384,626,083							
6	Allocation of Transmission Pipe									
7	Allocable Transmission Pipe		\$19,503,419							
8	Design Day Volumes (Total Company Excluding MDS)		792,523	452,900	78,086	110,100	59,807	44,261		47,369
9	Percent Design Day Volumes		100.000%	57.147%	9.853%	13.892%	7.546%	5.585%		5.977%
10	Allocation of Transmission Pipe		\$19,503,419	\$11,145,619	\$1,921,672	\$2,709,415	\$1,471,728	\$1,089,266		\$1,165,719

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 5
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
PEAK & AVERAGE

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WITNESS: C.E. Notestone

Line No.	Description	Alloc	Total Company	RS/RDS	SGS1/SCD1/SGDS1	SGS2/SCD2/SGDS2	SDS/LGS	LDS/LGS	MDS	Flex
1	Allocation of Low Pressure Pipe									
2	Allocable Low Pressure Pipe		\$306,142,722							
3	Throughput Volumes (excl MDS)		17,329,614.1	13,553,854.3	1,986,351.8	1,565,779.8	126,709.2	92,857.0		4,062.0
4	Percent Throughput		100.000%	78.213%	11.462%	9.035%	0.731%	0.536%		0.023%
5	Throughput Component		50.000%	39.107%	5.731%	4.518%	0.366%	0.268%		0.012%
6	Design Day Volumes (excl MDS)		228,681	181,100	27,454	19,302	780	6		39
7	Percent Design Day Volumes		100.000%	79.193%	12.005%	8.441%	0.341%	0.003%		0.017%
8	Demand Component		50.000%	39.597%	6.003%	4.221%	0.171%	0.002%		0.009%
9	Demand/Commodity Factor		100.000%	78.699%	11.734%	8.739%	0.537%	0.270%		0.021%
10	Allocation of Low Pressure Pipe		\$306,142,722	\$240,931,260	\$35,922,787	\$26,753,812	\$1,643,986	\$826,585		\$64,290

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 5
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
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WITNESS: C.E. Notestone

Line No.	Description	Alloc	Total Company	RS/RDS	SGS1/SCD1/SGDS1	SGS2/SCD2/SGDS2	SDS/LGS	LDS/LGS	MDS	Flex
1	Allocation of Regulated Pressure Only Pipe									
2	Allocable Regulated Pressure Only Pipe		\$764,080,756							
3	Throughput Volumes (excl MDS)		39,409,287.8	14,563,341.3	2,418,118.8	4,942,936.0	4,352,054.7	7,076,043.0		6,056,794.0
4	Percent Throughput		100.000%	36.954%	6.136%	12.543%	11.043%	17.955%		15.369%
5	Throughput Component		50.000%	18.475%	3.068%	6.272%	5.522%	8.978%		7.685%
6	Design Day Volumes (excl MDS)		418,570	194,800	34,402	64,324	47,920	34,563		42,561
7	Percent Design Day Volumes		100.000%	46.539%	8.219%	15.368%	11.449%	8.257%		10.168%
8	Demand Component		50.000%	23.268%	4.110%	7.684%	5.725%	4.129%		5.084%
9	Demand/Commodity Factor		100.000%	41.743%	7.178%	13.956%	11.247%	13.107%		12.769%
10	Allocation of Regulated Pressure Only Pipe		\$764,080,756	\$318,950,230	\$54,845,717	\$106,635,110	\$85,936,163	\$100,148,065		\$97,565,472
11	Allocation of Remaining Regulated Pressure Pipe									
12	Allocable Remaining Regulated Pressure Pipe		\$294,899,186							
13	Throughput Volumes (Total Company excl MDS)		78,588,715	34,538,604	5,636,819	9,303,792	7,542,586	10,780,266		10,786,649
14	Percent Throughput		100.000%	43.948%	7.173%	11.839%	9.598%	13.717%		13.725%
15	Throughput Component		50.000%	21.972%	3.587%	5.920%	4.799%	6.859%		6.863%
16	Design Day Volumes (Total Company excl MDS)		792,523	452,900	78,086	110,100	59,807	44,261		47,369
17	Percent Design Day Volumes		100.000%	57.147%	9.853%	13.892%	7.546%	5.585%		5.977%
18	Demand Component		50.000%	28.572%	4.927%	6.946%	3.773%	2.793%		2.989%
19	Demand/Commodity Factor		100.000%	50.544%	8.514%	12.866%	8.572%	9.652%		9.852%
20	Alloc. of Remaining Regulated Pressure Pipe		\$294,899,186	\$149,053,845	\$25,107,717	\$37,941,729	\$25,278,758	\$28,463,669		\$29,053,468
21	Total Demand/Commodity Allocation Factor		\$1,384,626,083	\$720,080,954	\$117,797,892	\$174,040,067	\$114,330,635	\$130,527,585		\$127,848,949
			100.000%	52.006%	8.508%	12.569%	8.257%	9.427%		9.233%

**COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 6
AVERAGE NO. OF CUSTOMERS**

LINE NO.	TARIFF RATE SCHEDULES	TOTAL	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX	[1] Total No of Bills (Incl Final)	Final Bills
1	RSS	3,556,746	3,556,746	0	0	0	0	0	0	3,615,846	59,100
2	RCC	263,238	263,238	0	0	0	0	0	0	268,006	4,768
3	RDS	986,941	986,941	0	0	0	0	0	0	992,052	5,111
4	RDGDS	0	0	0	0	0	0	0	0	0	0
5	SGSS1	256,024	0	256,024	0	0	0	0	0	257,754	1,730
6	SGSS2	35,018	0	0	35,018	0	0	0	0	35,110	92
7	NSS	12	0	0	0	0	0	12	0	12	0
8	SCD1	105,971	0	105,971	0	0	0	0	0	106,363	392
9	SCD2	15,085	0	0	15,085	0	0	0	0	15,123	38
10	SGDS1	10,109	0	10,109	0	0	0	0	0	10,139	30
11	SGDS2	19,678	0	0	19,678	0	0	0	0	19,721	43
12	LGSS1 & 2	1,068	0	0	0	1,068	0	0	0	1,072	4
13	LGSS3 & greater	0	0	0	0	0	0	0	0	0	0
13	SDS	4,788	0	0	0	4,788	0	0	0	4,803	15
14	LDS	840	0	0	0	0	840	0	0	842	2
15	FLEX	348	0	0	0	0	0	0	348	348	0
16	MLDS	48	0	0	0	0	0	48	0	48	0
17	Total Number of Bills	5,255,914	4,806,925	372,104	69,781	5,856	840	60	348	5,327,239	71,325
18	Average Number of Customers	437,993	400,577	31,009	5,815	488	70	5	29		
19	ALLOCATOR #6	100.000%	91.457%	7.080%	1.328%	0.111%	0.016%	0.001%	0.007%		

[1] Used only in the Customer Charge calculation.

**COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 7
CURRENT DIS REVENUE**

<u>LINE NO.</u>	<u>ACCOUNT</u>	<u>TOTAL</u>	<u>RSS/RDS</u>	<u>SGS/DS-1</u>	<u>SGS/DS-2</u>	<u>SDS/LGSS</u>	<u>LDS/LGSS</u>	<u>MLDS</u>	<u>FLEX</u>
		<u>Total</u>	<u>Residential</u>	<u>Commercial</u>					
1	DIS Billed Net Charge-offs - Sales Only	8,269,918.43	7,972,435.81	297,482.62					
2	DIS Billed Revenue - Comm/Ind Sales Only	70,598,030		38,525,633	32,072,397	0	0	0	0
3	Percent	100.000%		54.570%	45.430%	0.000%	0.000%	0.000%	0.000%
4	Allocated DIS Billed Sales Net Charge-offs	8,269,918.43	7,972,435.81	162,336.27	135,146.35	0.00	0.00	0.00	0.00
		<u>Total</u>	<u>Residential</u>	<u>Commercial</u>					
5	DIS Billed Net Charge-offs - Choice Only	618,230.61	527,409.68	90,820.93					
6	DIS Billed Revenue - Comm/Ind Choice Only	33,875,728		11,090,325	22,785,403	0	0	0	0
7	Percent	100.000%		32.738%	67.262%	0.000%	0.000%	0.000%	0.000%
8	Allocated DIS Billed Choice Net Charge-offs	618,230.61	527,409.68	29,732.96	61,087.97	0.00	0.00	0.00	0.00
9	Total DIS Billed Net Charge-offs	8,888,149.04	8,499,845.49	192,069.23	196,234.32	0.00	0.00	0.00	0.00
10	ALLOCATOR #7	100.000%	95.631%	2.161%	2.208%	0.000%	0.000%	0.000%	0.000%

**COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 8
CURRENT GMB/GTS REVENUE**

LINE NO.	ACCOUNT	TOTAL	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX
1	CURRENT GMB/GTS REVENUE	43,721,632	-	176,162	1,479,459	19,779,386	16,656,056	767,277	4,863,292
2	ALLOCATOR #8	100.000%	0.000%	0.403%	3.384%	45.239%	38.096%	1.755%	11.123%

**COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 9
DIRECT ASSIGNMENT - CUSTOMER DEPOSITS**

LINE NO.		<u>RSS/RDS</u>	<u>SGS/DS-1</u>	<u>SGS/DS-2</u>	<u>SDS/LGSS</u>	<u>LDS/LGSS</u>	<u>TOTAL</u>
1	Residential Unlisted	35,255	-	-	-	-	35,255
2	RS	1,676,072	-	-	-	-	1,676,072
3	RTC	117,701	-	-	-	-	117,701
4	Commercial Unlisted	-	27,325	-	-	-	27,325
5	SCC	-	25,623	-	-	-	25,623
	LG1	-	-	-	10,594	-	10,594
	LG2	-	-	-	-	6,098	6,098
6	SC2	-	-	11,598	-	-	11,598
7	SGS	-	485,823	-	-	-	485,823
8	SGT	-	77,454	-	-	-	77,454
	SG3	-	1,116	-	-	-	1,116
9	SG2	-	-	74,584	-	-	74,584
10	TOTAL	1,829,028	617,341	86,182	10,594	6,098	2,549,243
11	ALLOCATOR #9	71.74700%	24.217%	3.381%	0.416%	0.239%	100.000%

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 10
FORFEITED DISCOUNTS

LINE	ACCT.									
<u>NO.</u>	<u>NO.</u>	<u>ACCOUNT</u>	<u>TOTAL</u>	<u>RSS/RDS</u>	<u>SGS/DS-1</u>	<u>SGS/DS-2</u>	<u>SDS/LGSS</u>	<u>LDS/LGSS</u>	<u>MLDS</u>	<u>FLEX</u>
1	487.00	FORFEITED DISCOUNTS - DIS	1,009,251	800,840	94,915	104,943	3,536	4,989	-	28
2	487.00	FORFEITED DISCOUNTS - GMB & GTS	<u>83,639</u>	<u>-</u>	<u>337</u>	<u>2,830</u>	<u>37,838</u>	<u>31,863</u>	<u>1,468</u>	<u>9,303</u>
3		TOTAL CURRENT SALES AND TRANSPORTATION REVENUE	1,092,890	800,840	95,252	107,773	41,374	36,852	1,468	9,331
4		ALLOCATOR #10	100.000%	73.277%	8.716%	9.861%	3.786%	3.372%	0.134%	0.854%

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 11
DISTRIBUTION PLANT EXCLUDING ACCOUNTS 375.70, 375.71, & 387

LINE NO.	ACCT. NO.	ACCOUNT	TOTAL	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX
1	374.10	LAND - CITY GATE & M/L IND M&R	21,944	13,864	1,848	2,187	1,334	1,339	-	1,372
2	374.20	LAND - OTHER DISTRIBUTION	3,361,100	2,123,510	283,038	334,934	204,321	205,128	-	210,170
3	374.30	LAND RIGHTS - CITY GATE MAIN LINE	95,361	60,248	8,030	9,503	5,797	5,820	-	5,963
4	374.40	LAND RIGHTS - OTHER DISTRIBUTION	3,607,611	2,279,253	303,797	359,498	219,307	220,173	-	225,584
5	374.40	DIRECT - LAND RIGHTS-OTHER DISTRIBUTION	-	-	-	-	-	-	-	-
6	374.41	LAND RIGHTS - OTHER DISTRIBUTION LOC	13	8	1	1	1	1	-	1
7	374.50	RIGHTS OF WAY	3,233,171	2,042,685	272,265	322,186	196,545	197,321	-	202,170
8	374.50	DIRECT - RIGHTS OF WAY	-	-	-	-	-	-	-	-
9	375.20	M & R STRUCTURES - CITY GATE	7,026	4,439	592	700	427	429	-	439
10	375.31	M & R STRUCTURES - LOCAL GAS PURCH	4,012	2,535	338	400	244	245	-	251
11	375.40	M & R STRUCTURES - REGULATING	6,049,443	3,821,977	509,424	602,827	367,746	369,198	-	378,272
12	375.40	DIRECT - M & R STRUCTURES - REGULATING	27,126	-	-	-	-	-	24,324	2,802
13	375.60	M & R STRUCTURES - DIST. IND. M & R	86,228	-	1,625	12,703	26,811	26,565	-	18,524
14	375.80	M & R STRUCTURES - COMMUNICATION	16,515	10,434	1,391	1,646	1,004	1,008	-	1,033
15	376.00	MAINS	2,107,537,372	1,331,521,036	177,475,722	210,016,099	128,117,197	128,623,006	-	131,784,312
16	376.00	DIRECT - MAINS - MDS	146,567	-	-	-	-	-	75,535	71,032
17	376.08	MAINS-CSL REPLACEMENTS	23,574,504	14,894,136	1,985,209	2,349,199	1,433,094	1,438,752	-	1,474,114
18	376.30	MAINS-BARE STEEL	46,138,201	29,149,654	3,885,298	4,597,672	2,804,741	2,815,814	-	2,885,022
19	376.30	DIRECT - MAINS-BARE STEEL	80,803	-	-	-	-	-	80,803	-
20	376.80	MAINS-CAST IRON	90,193	56,983	7,595	8,988	5,483	5,505	-	5,640
21	378.10	M & R EQUIP - GENERAL	1,447,592	914,574	121,902	144,253	87,999	88,347	-	90,518
22	378.20	M & R EQUIP - GENERAL - REGULATING	141,017,786	89,093,627	11,875,108	14,052,422	8,572,471	8,606,316	-	8,817,842
23	378.20	DIRECT - M & R EQUIP-GEN-REG	678,970	-	-	-	-	-	-	678,970
24	378.30	M & R EQUIP - LOCAL GAS PURCHASES	454,917	287,412	38,309	45,333	27,654	27,764	-	28,446
25	379.10	M & R EQUIP - CITY GATE	136,417	86,187	11,488	13,594	8,293	8,326	-	8,530
26	379.11	M & R EQUIP - EXCHANGE GAS	(450)	(284)	(38)	(45)	(27)	(27)	-	(28)
27	380.00	SERVICES	733,594,002	667,658,573	52,980,159	10,644,449	1,555,219	403,477	-	352,125
28	380.00	DIRECT - SERVICES	1,966	-	-	-	-	-	561	1,405
29	380.12	CSL REPLACEMENT	-	-	-	-	-	-	-	-
30	381.00	METERS	41,437,254	31,351,841	6,063,928	3,576,035	341,029	78,731	2,486	23,205
31	381.10	AUTOMATIC METER READING	24,576,594	18,594,897	3,596,539	2,120,960	202,265	46,696	1,475	13,763
32	381.10	AUTOMATIC METER READING - OTHER	417,168	-	-	-	343,880	49,326	3,525	20,437
33	382.00	METER INSTALLATIONS	44,245,934	33,476,916	6,474,950	3,818,424	364,144	84,067	2,655	24,778
34	383.00	HOUSE REGULATORS	14,221,040	12,954,941	1,002,868	233,225	24,745	3,555	284	1,422
35	384.00	HOUSE REG INSTALLATIONS	3,521,874	3,208,322	248,363	57,759	6,128	881	70	352
36	385.00	IND M&R EQUIPMENT	7,823,841	-	147,479	1,152,608	2,432,667	2,410,369	-	1,680,717
37	385.00	DIRECT - IND M&R EQUIPMENT	518,894	-	-	-	-	-	451,596	67,297
38	385.10	IND M&R EQUIPMENT - LG VOLUME	1,044,295	-	19,685	153,846	324,703	321,726	-	224,335
39		TOTAL	3,209,215,285	2,243,607,768	267,316,911	254,631,404	147,675,220	146,039,853	643,315	149,300,815
40		ALLOCATOR #11	100.000%	69.911%	8.330%	7.934%	4.602%	4.551%	0.020%	4.652%

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 12
GROSS PLANT

Page 1

LINE NO.	ACCT. NO.	ACCOUNT	GROSS PLANT	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX
1	301.00	Organizational Costs	100,099							
2	302.21	Franchises/Consent, Perpetual	26,216							
3	303.00	Misc Intangible Plant	4,809,062							
4	303.30	Misc Software	51,444,773							
5	305.00	Structures & Improvements	0							
6	301-303	TOTAL INTANGIBLE PLANT	56,380,150	39,415,927	4,696,467	4,473,201	2,594,615	2,565,861	11,276	2,622,805
7	350.10	Land	23,882							
8	350.20	Rights of Way	1,932							
9	351.20	Compressor Station Structures	3,220,858							
10	352.01	Wells Construction	738,941							
11	352.02	Wells Equipment	168,032							
12	352.10	Storage Leasehold and Rights	139,442							
13	352.12	Other Leases	67,498							
14	353.00	Lines	389,345							
15	354.00	Compressor Station Equipment	948,272							
16	355.00	Measuring & Regulating Equipment	104,477							
17	362.00	Gas Holders	0							
18	362.10	Environmental Remediation	0							
18	350-362	TOTAL UNDERGROUND STORAGE	5,802,680	4,281,392	675,780	704,503	132,417	0	8,588	0
19	374.10	LAND - CITY GATE & M/L IND M&R	21,944	13,864	1,848	2,187	1,334	1,339	0	1,372
20	374.20	LAND - OTHER DISTRIBUTION	3,361,100	2,123,510	283,038	334,934	204,321	205,128	0	210,170
21	374.30	LAND RIGHTS - CITY GATE MAIN LINE	95,361	60,248	8,030	9,503	5,797	5,820	0	5,963
22	374.40	LAND RIGHTS - OTHER DISTRIBUTION	3,607,611	2,279,253	303,797	359,498	219,307	220,173	0	225,584
23	374.40	DIRECT - LAND RIGHTS-OTHER DISTRIBUTION	0	0	0	0	0	0	0	0
24	374.41	LAND RIGHTS - OTHER DISTRIBUTION LOC	13	8	1	1	1	1	0	1
25	374.50	RIGHTS OF WAY	3,233,171	2,042,685	272,265	322,186	196,545	197,321	0	202,170
26	374.50	DIRECT - RIGHTS OF WAY	0	0	0	0	0	0	0	0
27	375.20	M & R STRUCTURES - CITY GATE	7,026	4,439	592	700	427	429	0	439
28	375.31	M & R STRUCTURES - LOCAL GAS PURCH	4,012	2,535	338	400	244	245	0	251
29	375.40	M & R STRUCTURES - REGULATING	6,049,443	3,821,977	509,424	602,827	367,746	369,198	0	378,272
30	375.40	DIRECT - M & R STRUCTURES - REGULATING	27,126	0	0	0	0	0	24,324	2,802
31	375.60	M & R STRUCTURES - DIST. IND. M & R	86,228	0	1,625	12,703	26,811	26,565	0	18,524
32	375.70	M & R STRUCTURES - OTHER	32,638,171	22,817,672	2,718,760	2,589,513	1,502,009	1,485,363	6,528	1,518,328
33	375.71	M & R STRUCTURES - OTHER LEASED	6,836,888	4,779,737	569,513	542,439	314,634	311,147	1,367	318,052
34	375.80	M & R STRUCTURES - COMMUNICATION	16,515	10,434	1,391	1,646	1,004	1,008	0	1,033
35	376.00	MAINS	2,107,537,372	1,331,521,036	177,475,722	210,016,099	128,117,197	128,623,006	0	131,784,312
36	376.00	DIRECT - MAINS - MDS	146,567	0	0	0	0	0	75,535	71,032
37	376.08	MAINS-CSL REPLACEMENTS	23,574,504	14,894,136	1,985,209	2,349,199	1,433,094	1,438,752	0	1,474,114

**COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 12
GROSS PLANT**

LINE NO.	ACCT. NO.	ACCOUNT	GROSS PLANT	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX
<u>DISTRIBUTION PLANT</u>										
1	376.30	MAINS-BARE STEEL	46,138,201	29,149,654	3,885,298	4,597,672	2,804,741	2,815,814	0	2,885,022
2	376.30	DIRECT - MAINS-BARE STEEL	80,803	0	0	0	0	0	80,803	0
3	376.80	MAINS-CAST IRON	90,193	56,983	7,595	8,988	5,483	5,505	0	5,640
4	378.10	M & R EQUIP - GENERAL	1,447,592	914,574	121,902	144,253	87,999	88,347	0	90,518
5	378.20	M & R EQUIP - GENERAL - REGULATING	141,017,786	89,093,627	11,875,108	14,052,422	8,572,471	8,606,316	0	8,817,842
6	378.20	DIRECT - M & R EQUIP-GEN-REG	678,970	0	0	0	0	0	0	678,970
7	378.30	M & R EQUIP - LOCAL GAS PURCHASES	454,917	287,412	38,309	45,333	27,654	27,764	0	28,446
8	379.10	M & R EQUIP - CITY GATE	136,417	86,187	11,488	13,594	8,293	8,326	0	8,530
9	379.11	M & R EQUIP - EXCHANGE GAS	(450)	(284)	(38)	(45)	(27)	(27)	0	(28)
10	380.00	SERVICES	733,594,002	667,658,573	52,980,159	10,644,449	1,555,219	403,477	0	352,125
11	380.00	DIRECT - SERVICES	1,966	0	0	0	0	0	561	1,405
12	380.12	CSL REPLACEMENT	0	0	0	0	0	0	0	0
13	381.00	METERS	41,437,254	31,351,841	6,063,928	3,576,035	341,029	78,731	2,486	23,205
14	381.10	AUTOMATIC METER READING	24,576,594	18,594,897	3,596,539	2,120,960	202,265	46,696	1,475	13,763
15	381.10	AUTOMATIC METER READING - OTHER	417,168	0	0	0	343,880	49,326	3,525	20,437
16	382.00	METER INSTALLATIONS	44,245,934	33,476,916	6,474,950	3,818,424	364,144	84,067	2,655	24,778
17	383.00	HOUSE REGULATORS	14,221,040	12,954,941	1,002,868	233,225	24,745	3,555	284	1,422
18	384.00	HOUSE REG INSTALLATIONS	3,521,874	3,208,322	248,363	57,759	6,128	881	70	352
19	385.00	IND M&R EQUIPMENT	7,823,841	0	147,479	1,152,608	2,432,667	2,410,369	0	1,680,717
20	385.00	DIRECT - IND M&R EQUIPMENT	518,894	0	0	0	0	0	451,596	67,297
21	385.10	IND M&R EQUIPMENT - LG VOLUME	1,044,295	0	19,685	153,846	324,703	321,726	0	224,335
22	387.10	OTHER EQUIP DISTRIBUTION	19,450	13,598	1,620	1,543	895	885	4	905
23	387.20	OTHER EQUIP ODORIZATION	117,248	81,969	9,767	9,302	5,396	5,336	23	5,454
24	387.42	OTHER EQUIP RADIO	119,609	83,620	9,964	9,490	5,504	5,443	24	5,564
25	387.44	OTHER EQUIP COMMUNICATION	623,932	436,197	51,974	49,503	28,713	28,395	125	29,025
26	387.46	OTHER EQUIP CUSTOMER INFO SERVICE	9,713,216	6,790,607	809,111	770,647	447,002	442,049	1,943	451,859
27	387.45	DIRECT - OTHER EQUIP CUSTOMER INFO SER	69,585	0	0	0	0	0	69,585	0
28	387.50	GPS EQUIPMENT	<u>2,201,372</u>	<u>1,539,001</u>	<u>183,374</u>	<u>174,657</u>	<u>101,307</u>	<u>100,184</u>	<u>440</u>	<u>102,408</u>
29	374-387	TOTAL DISTRIBUTION	3,261,554,757	2,280,150,169	271,670,993	258,778,497	150,080,680	148,418,655	723,354	151,732,410

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 12
GROSS PLANT

LINE NO.	ACCT. NO.	ACCOUNT	GROSS PLANT	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX
<u>GENERAL PLANT</u>										
1	389.20	Land Rights	0							
2	390.10	Str, Communications	49,821							
3	391.10	OF&E Unspecified	2,114,497							
4	391.11	OF&E Data Handling Equipment	91,304							
5	391.12	OF&E Information Systems	1,753,651							
6	391.20	OF&E Air Cond Equip	3,007							
7	392.20	Trans Eq Trailers > \$1,000	14,787							
8	392.21	Trans Eq Trailers \$1,000 or >	10,830							
9	393.00	Stores Equipment	0							
10	394.10	Tools, Garage & Service Eq	56,772							
11	394.11	CNG Equip - Stationary	0							
12	394.12	CNG Equip - Portable	0							
13	394.20	Shop Equipment	35,454							
14	394.30	Tools & Other	18,231,367							
15	394.31	High Pressure Stopping	10,847							
16	395.00	Laboratory Equipment, Gas	266,039							
17	396.00	Power Operated Equipment	948,698							
18	397.00	Communication Equipment	0							
19	397.10	Communication Equipment-Telephone	0							
20	397.20	Communication Equipment-Radio	0							
21	397.40	Communication Equipment-Other	0							
22	397.50	Communication Equipment-Telemetry	2,777,340							
23	398.00	Miscellaneous Equipment	945,042							
24	389-398	TOTAL GENERAL PLANT	<u>27,309,455</u>	<u>19,092,313</u>	<u>2,274,878</u>	<u>2,166,732</u>	<u>1,256,781</u>	<u>1,242,853</u>	<u>5,462</u>	<u>1,270,436</u>
25		TOTAL	<u>3,351,047,043</u>	<u>2,342,939,800</u>	<u>279,318,117</u>	<u>266,122,934</u>	<u>154,064,493</u>	<u>152,227,369</u>	<u>748,680</u>	<u>155,625,650</u>
		ALLOCATOR #12		69.917%	8.335%	7.941%	4.598%	4.543%	0.022%	4.644%

**COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 13
DIRECT PLANT - MAINS**

LINE NO.	ACCT. NO.	ACCOUNT	GROSS PLANT	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX
1	376.00	MAINS	2,107,537,372	1,331,521,036	177,475,722	210,016,099	128,117,197	128,623,006	-	131,784,312
2	376.00	DIRECT - MAINS - MDS	146,567	-	-	-	-	-	75,535	71,032
3	376.08	MAINS-CSL REPLACEMENTS	23,574,504	14,894,136	1,985,209	2,349,199	1,433,094	1,438,752	-	1,474,114
4	376.30	MAINS-BARE STEEL	46,138,201	29,149,654	3,885,298	4,597,672	2,804,741	2,815,814	-	2,885,022
5	376.30	DIRECT - MAINS-BARE STEEL	80,803	-	-	-	-	-	80,803	-
6	376.80	MAINS-CAST IRON	90,193	56,983	7,595	8,988	5,483	5,505	-	5,640
7		TOTAL	2,177,567,641	1,375,621,810	183,353,824	216,971,958	132,360,515	132,883,077	156,338	136,220,119
		ALLOCATOR #13	100.000%	63.173%	8.420%	9.964%	6.078%	6.102%	0.007%	6.256%

**COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 14
COMPOSITE DIRECT PLANT - ACCOUNTS 376 & 380**

LINE NO.	ACCT. NO.	ACCOUNT	TOTAL	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX
1	376.00	MAINS	2,107,537,372	1,331,521,036	177,475,722	210,016,099	128,117,197	128,623,006	-	131,784,312
2	376.00	DIRECT - MAINS - MDS	146,567	-	-	-	-	-	75,535	71,032
3	376.08	MAINS-CSL REPLACEMENTS	23,574,504	14,894,136	1,985,209	2,349,199	1,433,094	1,438,752	-	1,474,114
4	376.30	MAINS-BARE STEEL	46,138,201	29,149,654	3,885,298	4,597,672	2,804,741	2,815,814	-	2,885,022
5	376.30	DIRECT - MAINS-BARE STEEL	80,803	-	-	-	-	-	80,803	-
6	376.80	MAINS-CAST IRON	90,193	56,983	7,595	8,988	5,483	5,505	-	5,640
7	380.00	SERVICES	733,594,002	667,658,573	52,980,159	10,644,449	1,555,219	403,477	-	352,125
8	380.00	DIRECT - SERVICES	1,966	-	-	-	-	-	561	1,405
9	380.12	CSL REPLACEMENT	-	-	-	-	-	-	-	-
10		TOTAL	2,911,163,609	2,043,280,383	236,333,983	227,616,407	133,915,734	133,286,553	156,899	136,573,650
11		ALLOCATOR #14	100.000%	70.189%	8.118%	7.819%	4.600%	4.578%	0.005%	4.691%

Columbia Gas of Pennsylvania, Inc.
Services Allocation Factor
As of November 30, 2019

Billing Rate	Rate Case Rate	Classification	BLANK	P	S	*	±	Total	Average Unit Cost	Total Cost	Key
802	FLEX MDS	8"	0	0	0	1	1	2	7,260.45	14,520.90	8028"
803	FLEX MDS	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	803UNDER 3"
808	FLEX	4"	0	0	0	1	0	1	3,612.05	3,612.05	8084"
809	FLEX	6"	1	0	0	0	0	1	4,196.88	4,196.88	8096"
809	FLEX	8"	0	0	0	1	0	1	7,260.45	7,260.45	8098"
810	FLEX	4"	1	0	0	0	0	1	3,612.05	3,612.05	8104"
810	FLEX	6"	1	0	0	0	0	1	4,196.88	4,196.88	8106"
816	FLEX	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	816UNDER 3"
819	FLEX	6"	1	0	0	0	0	1	4,196.88	4,196.88	8196"
820	FLEX	UNDER 3"	0	0	0	1	0	1	1,127.39	1,127.39	820UNDER 3"
830	FLEX	4"	1	0	0	0	0	1	3,612.05	3,612.05	8304"
830	FLEX	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	830UNDER 3"
831	FLEX MDS	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	831UNDER 3"
833	FLEX	8"	0	0	0	0	1	1	7,260.45	7,260.45	8338"
838	FLEX	4"	0	0	0	1	0	1	3,612.05	3,612.05	8384"
840	FLEX	4"	1	0	0	0	0	1	3,612.05	3,612.05	8404"
840	FLEX	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	840UNDER 3"
845	FLEX	4"	1	0	0	0	0	1	3,612.05	3,612.05	8454"
846	FLEX	6"	0	0	0	0	1	1	4,196.88	4,196.88	8466"
846	FLEX	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	846UNDER 3"
847	FLEX	4"	1	0	0	0	0	1	3,612.05	3,612.05	8474"
848	FLEX	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	848UNDER 3"
856	FLEX	4"	1	0	0	0	0	1	3,612.05	3,612.05	8564"
857	FLEX	3"	1	0	0	0	0	1	576.92	576.92	8573"
868	FLEX	UNDER 3"	0	0	0	1	1	2	1,127.39	2,254.78	868UNDER 3"
872	FLEX	3"	1	0	0	0	0	1	576.92	576.92	8723"
873	FLEX	6"	1	0	0	0	0	1	4,196.88	4,196.88	8736"
875	FLEX	12"	1	0	0	0	0	1	69,826.82	69,826.82	87512"
875	FLEX	6"	1	0	0	0	0	1	4,196.88	4,196.88	8756"
875	FLEX	8"	0	0	0	1	0	1	7,260.45	7,260.45	8758"
876	FLEX	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	876UNDER 3"
877	FLEX	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	877UNDER 3"
879	FLEX	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	879UNDER 3"
880	FLEX	12"	1	0	0	0	0	1	69,826.82	69,826.82	88012"
881	FLEX	4"	1	0	0	0	0	1	3,612.05	3,612.05	8814"
881	FLEX	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	881UNDER 3"
EDSTIB1	SDS/LGSS	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	EDSTIB1UNDER 3"
LG1	SDS/LGSS	3"	4	0	0	2	0	6	576.92	3,461.52	LG13"
LG1	SDS/LGSS	4"	7	0	0	1	1	9	3,612.05	32,508.45	LG14"
LG1	SDS/LGSS	6"	0	0	0	2	0	2	4,196.88	8,393.76	LG16"

LG1	SDS/LGSS	UNDER 3"	27	0	0	3	2	32	1,127.39	36,076.48	LG1UNDER 3"
LG2	SDS/LGSS	3"	7	0	0	0	0	7	576.92	4,038.44	LG23"
LG2	SDS/LGSS	4"	12	0	0	3	1	16	3,612.05	57,792.80	LG24"
LG2	SDS/LGSS	6"	1	0	0	0	0	1	4,196.88	4,196.88	LG26"
LG2	SDS/LGSS	UNDER 3"	46	0	5	7	1	59	1,127.39	66,516.01	LG2UNDER 3"
LG4	LDS/LGSS	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	LG4UNDER 3"
NSI	MDS/NSS	3"	1	0	0	0	0	1	576.92	576.92	NSI3"
RC2	RSS/RTS	10"	1	0	0	0	0	1	111.64	111.64	RC210"
RC2	RSS/RTS	3"	0	1	0	1	0	2	576.92	1,153.84	RC23"
RC2	RSS/RTS	4"	3	0	0	0	2	5	3,612.05	18,060.25	RC24"
RC2	RSS/RTS	UNDER 3"	16,482	132	96	2,436	2,638	21,784	1,127.39	24,559,063.76	RC2UNDER 3"
RS	RSS/RTS	10"	3	0	0	0	2	5	111.64	558.20	RS10"
RS	RSS/RTS	11-1/8"	1	0	0	0	0	1	0.00	0.00	RS11-1/8"
RS	RSS/RTS	3"	13	0	0	5	60	78	576.92	44,999.76	RS3"
RS	RSS/RTS	4"	11	1	1	3	62	78	3,612.05	281,739.90	RS4"
RS	RSS/RTS	5"	2	0	0	0	0	2	1,020.80	2,041.60	RS5"
RS	RSS/RTS	6"	6	0	0	2	3	11	4,196.88	46,165.68	RS6"
RS	RSS/RTS	8"	11	0	0	0	0	11	7,260.45	79,864.95	RS8"
RS	RSS/RTS	UNDER 3"	256,775	1,544	1,360	21,289	30,282	311,250	1,127.39	350,900,137.50	RSUNDER 3"
RTC	RSS/RTS	3"	1	0	0	0	6	7	576.92	4,038.44	RTC3"
RTC	RSS/RTS	4"	2	0	0	1	6	9	3,612.05	32,508.45	RTC4"
RTC	RSS/RTS	6"	1	0	0	0	0	1	4,196.88	4,196.88	RTC6"
RTC	RSS/RTS	UNDER 3"	54,805	296	253	3,101	3,331	61,786	1,127.39	69,656,918.54	RTCUNDER 3"
SC2	SGSS2/SCD2/SGDS2	3"	22	0	0	3	2	27	576.92	15,576.84	SC23"
SC2	SGSS2/SCD2/SGDS2	4"	24	0	0	1	1	26	3,612.05	93,913.30	SC24"
SC2	SGSS2/SCD2/SGDS2	6"	2	0	0	2	0	4	4,196.88	16,787.52	SC26"
SC2	SGSS2/SCD2/SGDS2	8"	1	0	0	0	0	1	7,260.45	7,260.45	SC28"
SC2	SGSS2/SCD2/SGDS2	UNDER 3"	924	6	5	139	91	1,165	1,127.39	1,313,409.35	SC2UNDER 3"
SCC	SGSS1/SCD1/SGDS1	16"	0	0	0	1	0	1	0.00	0.00	SCC16"
SCC	SGSS1/SCD1/SGDS1	3"	15	1	0	9	21	46	576.92	26,538.32	SCC3"
SCC	SGSS1/SCD1/SGDS1	4"	14	0	0	6	6	26	3,612.05	93,913.30	SCC4"
SCC	SGSS1/SCD1/SGDS1	5"	1	0	0	0	0	1	1,020.80	1,020.80	SCC5"
SCC	SGSS1/SCD1/SGDS1	UNDER 3"	4,998	52	46	1,594	1,729	8,419	1,127.39	9,491,496.41	SCCUNDER 3"
SG2	SGSS2/SCD2/SGDS2	12"	1	0	0	0	0	1	69,826.82	69,826.82	SG212"
SG2	SGSS2/SCD2/SGDS2	3"	51	0	0	9	7	67	576.92	38,653.64	SG23"
SG2	SGSS2/SCD2/SGDS2	4"	59	0	0	7	8	74	3,612.05	267,291.70	SG24"
SG2	SGSS2/SCD2/SGDS2	5"	0	0	0	0	1	1	1,020.80	1,020.80	SG25"
SG2	SGSS2/SCD2/SGDS2	6"	4	0	0	0	1	5	4,196.88	20,984.40	SG26"
SG2	SGSS2/SCD2/SGDS2	UNDER 3"	2,121	13	7	306	247	2,694	1,127.39	3,037,188.66	SG2UNDER 3"
SG3	SGSS1/SCD1/SGDS1	3"	2	0	0	0	0	2	576.92	1,153.84	SG33"
SG3	SGSS1/SCD1/SGDS1	4"	0	0	0	2	0	2	3,612.05	7,224.10	SG34"
SG3	SGSS1/SCD1/SGDS1	6"	1	0	0	1	0	2	4,196.88	8,393.76	SG36"
SG3	SGSS1/SCD1/SGDS1	UNDER 3"	11	1	0	1	0	13	1,127.39	14,656.07	SG3UNDER 3"
SG4	SGSS2/SCD2/SGDS2	10"	1	0	0	0	0	1	111.64	111.64	SG410"
SG4	SGSS2/SCD2/SGDS2	3"	2	0	0	1	0	3	576.92	1,730.76	SG43"
SG4	SGSS2/SCD2/SGDS2	4"	4	0	0	1	0	5	3,612.05	18,060.25	SG44"

SG4	SGSS2/SCD2/SGDS2	6"	1	0	0	0	0	1	4,196.88	4,196.88	SG46"
SG4	SGSS2/SCD2/SGDS2	UNDER 3"	23	0	0	4	1	28	1,127.39	31,566.92	SG4UNDER 3"
SGS	SGSS1/SCD1/SGDS1	10"	2	0	0	0	0	2	111.64	223.28	SGS10"
SGS	SGSS1/SCD1/SGDS1	12"	1	0	0	0	0	1	69,826.82	69,826.82	SGS12"
SGS	SGSS1/SCD1/SGDS1	3"	21	0	0	26	70	117	576.92	67,499.64	SGS3"
SGS	SGSS1/SCD1/SGDS1	4"	39	0	0	11	39	89	3,612.05	321,472.45	SGS4"
SGS	SGSS1/SCD1/SGDS1	5"	0	0	0	1	0	1	1,020.80	1,020.80	SGS5"
SGS	SGSS1/SCD1/SGDS1	6"	3	0	0	1	1	5	4,196.88	20,984.40	SGS6"
SGS	SGSS1/SCD1/SGDS1	8"	1	0	0	0	0	1	7,260.45	7,260.45	SGS8"
SGS	SGSS1/SCD1/SGDS1	UNDER 3"	11,636	119	82	4,204	5,464	21,505	1,127.39	24,244,521.95	SGSUNDER 3"
SGT	INACTIVE	4"	0	0	0	1	0	1	3,612.05	3,612.05	SGT4"
SGT	INACTIVE	UNDER 3"	11	0	0	4	0	15	1,127.39	16,910.85	SGTUNDER 3"
TAG1	SGSS1/SCD1/SGDS1	3"	1	0	0	0	1	2	576.92	1,153.84	TAG13"
TAG1	SGSS1/SCD1/SGDS1	UNDER 3"	108	0	0	35	21	164	1,127.39	184,891.96	TAG1UNDER 3"
TAG2	SGSS2/SCD2/SGDS2	3"	19	0	0	1	0	20	576.92	11,538.40	TAG23"
TAG2	SGSS2/SCD2/SGDS2	4"	24	0	0	3	1	28	3,612.05	101,137.40	TAG24"
TAG2	SGSS2/SCD2/SGDS2	6"	1	0	0	1	1	3	4,196.88	12,590.64	TAG26"
TAG2	SGSS2/SCD2/SGDS2	UNDER 3"	274	0	0	26	19	319	1,127.39	359,637.41	TAG2UNDER 3"
TAG5	SGSS1/SCD1/SGDS1	3"	8	0	0	1	4	13	576.92	7,499.96	TAG53"
TAG5	SGSS1/SCD1/SGDS1	4"	5	0	0	2	3	10	3,612.05	36,120.50	TAG54"
TAG5	SGSS1/SCD1/SGDS1	UNDER 3"	481	1	0	69	118	669	1,127.39	754,223.91	TAG5UNDER 3"
TAG6	SGSS2/SCD2/SGDS2	3"	58	0	0	3	1	62	576.92	35,769.04	TAG63"
TAG6	SGSS2/SCD2/SGDS2	4"	60	1	0	8	6	75	3,612.05	270,903.75	TAG64"
TAG6	SGSS2/SCD2/SGDS2	6"	4	0	0	1	0	5	4,196.88	20,984.40	TAG66"
TAG6	SGSS2/SCD2/SGDS2	UNDER 3"	1,036	8	3	102	52	1,201	1,127.39	1,353,995.39	TAG6UNDER 3"
TI4	SDS/LGSS	12"	1	0	0	0	0	1	69,826.82	69,826.82	TI412"
TI4	SDS/LGSS	3"	17	0	0	1	1	19	576.92	10,961.48	TI43"
TI4	SDS/LGSS	4"	21	0	0	2	0	23	3,612.05	83,077.15	TI44"
TI4	SDS/LGSS	6"	5	0	0	2	1	8	4,196.88	33,575.04	TI46"
TI4	SDS/LGSS	UNDER 3"	117	1	0	15	7	140	1,127.39	157,834.60	TI4UNDER 3"
TI8	LDS/LGSS	3"	5	0	0	0	0	5	576.92	2,884.60	TI83"
TI8	LDS/LGSS	4"	15	0	0	1	0	16	3,612.05	57,792.80	TI84"
TI8	LDS/LGSS	6"	2	0	0	0	0	2	4,196.88	8,393.76	TI86"
TI8	LDS/LGSS	8"	1	1	1	0	0	3	7,260.45	21,781.35	TI88"
TI8	LDS/LGSS	UNDER 3"	24	0	0	3	2	29	1,127.39	32,694.31	TI8UNDER 3"
TIB	SDS/LGSS	3"	28	0	0	2	0	30	576.92	17,307.60	TIB3"
TIB	SDS/LGSS	4"	50	0	0	10	1	61	3,612.05	220,335.05	TIB4"
TIB	SDS/LGSS	6"	7	0	0	1	0	8	4,196.88	33,575.04	TIB6"
TIB	SDS/LGSS	8"	1	0	0	0	0	1	7,260.45	7,260.45	TIB8"
TIB	SDS/LGSS	UNDER 3"	146	1	0	16	4	167	1,127.39	188,274.13	TIBUNDER 3"
TIF	LDS/LGSS	3"	10	0	0	1	0	11	576.92	6,346.12	TIF3"
TIF	LDS/LGSS	4"	10	0	0	2	1	13	3,612.05	46,956.65	TIF4"
TIF	LDS/LGSS	6"	2	0	0	0	0	2	4,196.88	8,393.76	TIF6"
TIF	LDS/LGSS	8"	1	0	0	0	0	1	7,260.45	7,260.45	TIF8"
TIF	LDS/LGSS	UNDER 3"	46	1	1	4	1	53	1,127.39	59,751.67	TIFUNDER 3"
TIG	LDS/LGSS	3"	1	0	0	0	0	1	576.92	576.92	TIG3"

TIG	LDS/LGSS	4"	1	0	0	0	0	1	3,612.05	3,612.05	TIG4"
TIG	LDS/LGSS	8"	0	0	0	1	0	1	7,260.45	7,260.45	TIG8"
TIG	LDS/LGSS	UNDER 3"	2	0	0	0	0	2	1,127.39	2,254.78	TIGUNDER 3"
TIH	LDS/LGSS	6"	1	0	0	0	0	1	4,196.88	4,196.88	TIH6"
TM1	MDS/NSS	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	TM1UNDER 3"
TM2	MDS/NSS	UNDER 3"	1	0	0	0	0	1	1,127.39	1,127.39	TM2UNDER 3"
TMB	MDS/NSS	4"	2	0	0	0	0	2	3,612.05	7,224.10	TMB4"
TMB	MDS/NSS	6"	0	0	0	1	0	1	4,196.88	4,196.88	TMB6"
TMB	MDS/NSS	8"	1	0	0	0	0	1	7,260.45	7,260.45	TMB8"
UNKNOWN			<u>2,599</u>	<u>13</u>	<u>20</u>	<u>520</u>	<u>872</u>	<u>4,024</u>	UNKNOWN	<u>UNKNOWN</u>	UNKNOWN
			353,444	2,193	1,880	34,032	45,207	436,756		489,696,834.29	

Check Total	0	0	0	0	0	0
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	Total Cost	Percent
RSS/RTS	445,631,559	91.012%
SGSS1/SCD1/SGDS1	35,361,097	7.222%
SGSS2/SCD2/SGDS2	7,104,136	1.451%
SDS/LGSS	1,036,139	0.212%
LDS/LGSS	271,284	0.055%
FLEX	<u>233,807</u>	<u>0.048%</u>
TOTAL BEFORE MDS/NSS	489,638,023	100.000%
MDS/NSS	21,513	
FLEX MDS	<u>16,776</u>	
TOTAL	489,676,311	
UNKNOWN	<u>91,909,299</u>	
TOTAL ACCOUNT 380	581,585,610	
101-2000 CIAC	(1,108,064)	
101-4000 Relocation Reimbursements	(17,664)	
106 Completed Construction not Classified	322,819	
106 Other	<u>5,302</u>	
Total Per Exhibit 8, Schedule 1	580,788,003	

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 16
METERS

LINE NO.	RATE CODE	RSS/RDS \$	SGS/DS-1 \$	SGS/DS-2 \$	SDS/LGSS \$	LDS/LGSS \$	FLEX	MLDS \$	TOTAL \$
1	802	0	0	0	0	0	929	0	929
2	803	0	0	0	0	0	464	0	464
3	806	0	0	0	0	0	0	0	0
4	808	0	0	0	0	0	464	0	464
5	809	0	0	0	0	0	929	0	929
6	810	0	0	0	0	0	929	0	929
7	816	0	0	0	0	0	464	0	464
8	819	0	0	0	0	0	464	0	464
9	820	0	0	0	0	0	464	0	464
10	830	0	0	0	0	0	1,012	0	1,012
11	831	0	0	0	0	0	464	0	464
12	833	0	0	0	0	0	464	0	464
13	838	0	0	0	0	0	464	0	464
14	840	0	0	0	0	0	929	0	929
15	845	0	0	0	0	0	464	0	464
16	846	0	0	0	0	0	929	0	929
17	847	0	0	0	0	0	464	0	464
18	848	0	0	0	0	0	464	0	464
19	856	0	0	0	0	0	464	0	464
20	857	0	0	0	0	0	464	0	464
21	868	0	0	0	0	0	929	0	929
22	872	0	0	0	0	0	464	0	464
23	873	0	0	0	0	0	464	0	464
24	875	0	0	0	0	0	929	0	929
25	876	0	0	0	0	0	464	0	464
26	877	0	0	0	0	0	464	0	464
27	879	0	0	0	0	0	464	0	464
28	880	0	0	0	0	0	464	0	464
29	881	0	0	0	0	0	1,012	0	1,012
30	LG1	0	0	0	28,283	0	0	0	28,283
31	LG2	0	0	0	46,752	0	0	0	46,752
32	LG3	0	0	0	0	929	0	0	929
33	LG4	0	0	0	0	1,858	0	0	1,858
34	LG5	0	0	0	0	464	0	0	464
35	NSI	0	0	0	0	0	0	57	57
36	RCC	7,351	0	0	0	0	0	0	7,351
37	RC2	1,283,497	0	0	0	0	0	0	1,283,497
38	RS	18,370,306	0	0	0	0	0	0	18,370,306
39	RTC	3,625,147	0	0	0	0	0	0	3,625,147
40	SCC	0	1,181,512	0	0	0	0	0	1,181,512
41	SC2	0	0	558,809	0	0	0	0	558,809
42	SG2	0	0	1,318,406	0	0	0	0	1,318,406
43	SG3	0	10,550	0	0	0	0	0	10,550
44	SG4	0	0	19,647	0	0	0	0	19,647
45	SGS	0	3,068,376	0	0	0	0	0	3,068,376
46	TAG1	0	34,961	0	0	0	0	0	34,961
47	TAG2	0	0	161,392	0	0	0	0	161,392
48	TAG5	0	208,588	0	0	0	0	0	208,588
49	TAG6	0	0	597,747	0	0	0	0	597,747
50	TI4	0	0	0	53,814	0	0	0	53,814
51	TI8	0	0	0	0	22,642	0	0	22,642
52	TIB	0	0	0	124,405	0	0	0	124,405
53	TIF	0	0	0	0	29,861	0	0	29,861
54	TIG	0	0	0	0	2,322	0	0	2,322
55	TIH	0	0	0	0	464	0	0	464
56	TMB	0	0	0	0	0	0	1,393	1,393
57	TM2	0	0	0	0	0	0	266	266
58	TOTAL	23,286,300	4,503,987	2,656,001	253,254	58,540	17,350	1,716	30,777,149
59	FOR #16	75.661%	14.634%	8.630%	0.823%	0.190%	0.056%	0.006%	100.000%

Columbia Gas of Pennsylvania, Inc.
Allocation Factor 17 - Account 385 Industrial Measurement Stations
As of November 30, 2019

Co	PCID	PSID	Tar Rate	GTS Rate	Station No.	Tax District	Name	Billing Rate	Rate Class	
37	10034190010	501054825	SGT	TAG6	49103	30209		7,900.78	TAG6	SGSS2/SCD2/SGDS2
37	10047952001	400188814	SGT	TI4	45529	30243		11,446.47	TI4	SDS/LGSS
37	10104024001	400204209	SGT	TAG2	45723	30224		5,245.43	TAG2	SGSS2/SCD2/SGDS2
37	10219299006	501195093	SGS		49394	732195		41,114.02	SGS	SGSS1/SCD1/SGDS1
37	10257973005	500030237	SG4		48810	1232756		9,184.43	SG4	SGSS2/SCD2/SGDS2
37	10348091005	400518175	SG4		44452	1333017		4,067.74	SG4	SGSS2/SCD2/SGDS2
37	10375621158	500489101	SGT	TI4	47567	1333032		11,290.77	TI4	SDS/LGSS
37	10379912006	400498094	SCC		14628	1333032		4,546.21	SCC	SGSS1/SCD1/SGDS1
37	10383026003	400504964	SGS		14778	1333017		2,579.81	SGS	SGSS1/SCD1/SGDS1
37	10405620001	400044475	SGT	TAG6	45746	1333095		19,284.96	TAG6	SGSS2/SCD2/SGDS2
37	10416756005	500065176	SC2		47085	1333063		717.31	SC2	SGSS2/SCD2/SGDS2
37	10421482002	500617033	SGT	TIB	49153	551504		47,235.90	TIB	SDS/LGSS
37	10422436002	400343911	SGT	TIB	46123	10155		8,766.90	TIB	SDS/LGSS
37	10468703002	400525452	SGT	TIB	48454	1292914		19,884.30	TIB	SDS/LGSS
37	10474924002	400303837	SGS		48831	1292988		967.26	SGS	SGSS1/SCD1/SGDS1
37	10501013005	400511506	SGT	TAG6	1276	511316		2,306.59	TAG6	SGSS2/SCD2/SGDS2
37	11674720002	800800405	SG2		4236	30268		1,860.45	SG2	SGSS2/SCD2/SGDS2
37	12983111001	400473518	SGT	TIB	661	1232704		20,610.83	TIB	SDS/LGSS
37	12983124002	400473470	SG3		593	832295		916.28	SG3	SGSS1/SCD1/SGDS1
37	12983149001	800800461	SGT	TAG6	14545	1292906		5,738.98	TAG6	SGSS2/SCD2/SGDS2
37	12983153001	800800460	SGT	TAG6	1414	1292906		5,172.69	TAG6	SGSS2/SCD2/SGDS2
37	12983156001	800800458	SGT	TAG6	1268	1292906		1,708.84	TAG6	SGSS2/SCD2/SGDS2
37	12983176001	400490973	SGT	TAG6	14491	1292969		3,560.97	TAG6	SGSS2/SCD2/SGDS2
37	12983177001	400484946	SGT	TAG6	14324	1292906		855.29	TAG6	SGSS2/SCD2/SGDS2
37	12983182001	400473449	SG2		3416	1292977		1,207.92	SG2	SGSS2/SCD2/SGDS2
37	12983191002	400473426	SGT	TAG6	1444	511312		6,974.42	TAG6	SGSS2/SCD2/SGDS2
37	12983192001	400473425	SGT	TI4	1443	511396		6,156.09	TI4	SDS/LGSS
37	12983199002	400473414	SGT	TAG6	1434	511318		5,116.21	TAG6	SGSS2/SCD2/SGDS2
37	12983205001	400473388	SC2		4299	511314		5,425.75	SC2	SGSS2/SCD2/SGDS2
37	12983206002	500135694	LG1		1405	511314		7,495.20	LG1	SDS/LGSS
37	12983208001	400473368	SG2		4584	511314		2,944.67	SG2	SGSS2/SCD2/SGDS2
37	12983210001	400473364	SGT	TI4	4614	511314		2,618.96	TI4	SDS/LGSS
37	12983212001	400473357	SGT	TAG6	4548	511395		15,160.98	TAG6	SGSS2/SCD2/SGDS2
37	12983214001	400473355	SGT	TAG6	4715	511304		1,630.16	TAG6	SGSS2/SCD2/SGDS2
37	12983215001	400473354	SGT	TAG6	1377	1292913		936.34	TAG6	SGSS2/SCD2/SGDS2
37	12983225001	400473325	SG2		1352	511314		4,101.00	SG2	SGSS2/SCD2/SGDS2
37	12983232001	400473302	SGT	TAG6	1335	511320		4,728.84	TAG6	SGSS2/SCD2/SGDS2
37	12983235001	800800451	SGT	TAG6	1331	511306		2,469.81	TAG6	SGSS2/SCD2/SGDS2
37	12983239001	400473287	SGT	TAG2	1323	511314		3,777.32	TAG2	SGSS2/SCD2/SGDS2
37	12983242001	400473279	SG2		1318	511303		2,708.28	SG2	SGSS2/SCD2/SGDS2
37	12983255002	400514019	SGT	TIB	1291	511395		11,015.12	TIB	SDS/LGSS
37	12983259002	400473238	SGT	TIB	1280	511396		3,429.15	TIB	SDS/LGSS
37	12983259002	500135609	SGT	TIB	1280	511396		3,429.15	TIB	SDS/LGSS
37	12983262001	400513746	SGT	TI8	44092	511363		2,455.94	TI8	LDS/LGSS
37	12983275001	400473402	SGT	TI4	1423	1112553		2,575.48	TI4	SDS/LGSS
37	12983276001	400473401	SGT	TIB	3382	1112553		16,093.80	TIB	SDS/LGSS
37	12983281001	400473412	SG2		1432	1112521		3,135.76	SG2	SGSS2/SCD2/SGDS2
37	12983282001	400473411	SGT	TIB	1431	1112569		5,337.78	TIB	SDS/LGSS
37	12983287001	400473405	SGT	TIB	1426	1112521		6,824.22	TIB	SDS/LGSS
37	12983292002	400473346	LG1		1372	1112561		8,327.98	LG1	SDS/LGSS
37	12983293002	400473347	SGT	TI4	448	1112524		2,828.39	TI4	SDS/LGSS
37	12983297001	400473265	SGT	TIB	1302	1112569		9,980.77	TIB	SDS/LGSS
37	12983298001	400473267	SGT	TAG6	1305	1112569		1,771.37	TAG6	SGSS2/SCD2/SGDS2
37	12983301001	400473229	SGT	TI4	4252	1112553		1,853.55	TI4	SDS/LGSS
37	12983302001	400502918	SC2		4492	1112521		1,179.62	SC2	SGSS2/SCD2/SGDS2
37	12983314001	400473452	SGT	TAG6	1467	1292918		3,121.92	TAG6	SGSS2/SCD2/SGDS2
37	12983315001	400473443	SG2		4413	1292998		1,427.28	SG2	SGSS2/SCD2/SGDS2
37	12983318001	400473440	SGT	TAG6	1456	1292909		2,977.62	TAG6	SGSS2/SCD2/SGDS2
37	12983325001	400511507	SGT	TAG6	1403	1292914		2,918.17	TAG6	SGSS2/SCD2/SGDS2
37	12983331001	400473315	SGT	TAG6	4471	1292989		7,328.56	TAG6	SGSS2/SCD2/SGDS2

37	12983343001	400512909	SGT	EDSTIB1	3295	1252863	5,426.90	EDSTIB1	SDS/LGSS
37	12983344001	400497701	SGT	TAG6	1469	1292986	1,721.17	TAG6	SGSS2/SCD2/SGDS2
37	12983348001	400504725	SGT	TAG6	1363	1252858	1,728.41	TAG6	SGSS2/SCD2/SGDS2
37	12983349001	400473387	SG2		1408	1252858	1,774.66	SG2	SGSS2/SCD2/SGDS2
37	12983354001	400473366	SGT	TAG6	4044	1292919	1,330.60	TAG6	SGSS2/SCD2/SGDS2
37	12983355011	400473369	SGT	TIB	4469	1252855	2,953.96	TIB	SDS/LGSS
37	12983355011	400484838	SGT	TIB	14322	1252855	5,698.48	TIB	SDS/LGSS
37	12983355011	500163677	SGT	TIB	47388	1252855	663.83	TIB	SDS/LGSS
37	12983355011	500287938	SGT	TIB	47386	1252855	663.83	TIB	SDS/LGSS
37	12983359001	400473342	SGT	TIB	1364	1252858	2,376.04	TIB	SDS/LGSS
37	12983370001	400495171	SG2		3323	1252863	4,538.11	SG2	SGSS2/SCD2/SGDS2
37	12983375002	400473232	SGT	TI4	1274	511311	11,004.89	TI4	SDS/LGSS
37	12983391001	400472970	SGT	TAG2	4430	732195	1,191.65	TAG2	SGSS2/SCD2/SGDS2
37	12983403001	400472841	SGT	TI8	718	732195	11,466.77	TI8	LDS/LGSS
37	12983415001	400473189	SGT	TI8	1005	732158	9,302.44	TI8	LDS/LGSS
37	12983428003	400502425	SGT	816	14126	732153	(180.55)	816	FLEX
37	12983429002	400472946	SGT	TIB	807	70409	8,319.92	TIB	SDS/LGSS
37	12983433001	400512973	SGT	810	44075	732195	4,278.82	810	FLEX
37	12983434002	400472904	SGT	808	776	732153	122,311.62	808	FLEX
37	12983443002	400488177	LG2		14348	732153	9,005.38	LG2	SDS/LGSS
37	12983450001	400473185	SG2		1002	732153	440.53	SG2	SGSS2/SCD2/SGDS2
37	12983451001	400473180	SGT	TI4	997	732114	9,679.14	TI4	SDS/LGSS
37	12983453001	400473149	SGT	TAG6	974	732111	3,928.47	TAG6	SGSS2/SCD2/SGDS2
37	12983462001	400473064	SGT	TAG6	893	732195	1,831.53	TAG6	SGSS2/SCD2/SGDS2
37	12983465001	400473060	SGT	TIB	890	732113	2,137.80	TIB	SDS/LGSS
37	12983467002	400473014	SGT	TI8	856	70409	6,293.59	TI8	LDS/LGSS
37	12983474002	400472983	SGT	TIB	832	732195	14,702.11	TIB	SDS/LGSS
37	12983477001	400472975	SGT	TAG2	826	732195	2,722.41	TAG2	SGSS2/SCD2/SGDS2
37	12983480002	400472971	SGT	TAG2	746	732195	2,473.69	TAG2	SGSS2/SCD2/SGDS2
37	12983498005	800800442	SGT	TIB	4410	70458	4,149.19	TIB	SDS/LGSS
37	12983504001	400473099	SGT	TIB	924	70451	13,074.52	TIB	SDS/LGSS
37	12983508002	400508899	SGT	TI8	871	70424	9,181.24	TI8	LDS/LGSS
37	12983513001	400472886	SGT	TIB	760	70471	2,467.02	TIB	SDS/LGSS
37	12983515001	400472854	SGT	TI4	733	70471	2,053.49	TI4	SDS/LGSS
37	12983517002	400505175	SGT	820	14699	70468	25,410.28	820	FLEX
37	12983537001	400473198	LG2		1013	70453	2,943.45	LG2	SDS/LGSS
37	12983540001	400473178	SGT	TAG6	995	70471	1,041.40	TAG6	SGSS2/SCD2/SGDS2
37	12983543001	400473167	SGT	TI4	986	70402	2,443.06	TI4	SDS/LGSS
37	12983545001	400473135	SGT	TAG6	960	70454	975.58	TAG6	SGSS2/SCD2/SGDS2
37	12983554002	400510507	SGT	TAG2	926	70495	732.91	TAG2	SGSS2/SCD2/SGDS2
37	12983554002	500146350	SGT	TAG2	926	70495	732.91	TAG2	SGSS2/SCD2/SGDS2
37	12983556001	400475899	SGT	TIB	906	70456	8,689.61	TIB	SDS/LGSS
37	12983557001	400473076	SGT	TI4	908	70404	982.95	TI4	SDS/LGSS
37	12983577003	400472935	SGT	TIB	801	70495	54,665.07	TIB	SDS/LGSS
37	12983589001	400472900	SGT	TAG6	772	70478	886.49	TAG6	SGSS2/SCD2/SGDS2
37	12983602002	400504762	SGT	TAG6	721	70495	407.43	TAG6	SGSS2/SCD2/SGDS2
37	12983603001	400472840	SGT	TI4	4550	70405	2,829.72	TI4	SDS/LGSS
37	12983606002	400472820	SGT	TAG6	702	70495	23,896.62	TAG6	SGSS2/SCD2/SGDS2
37	12983611001	400503381	SGT	TI8	14705	70403	8,425.15	TI8	LDS/LGSS
37	12983623002	400473179	SGT	TAG6	996	310911	3,442.72	TAG6	SGSS2/SCD2/SGDS2
37	12983626001	400473108	SGT	TAG6	933	310958	622.61	TAG6	SGSS2/SCD2/SGDS2
37	12983627001	400473107	SGT	TAG6	932	310956	498.89	TAG6	SGSS2/SCD2/SGDS2
37	12983630001	400526948	SG2		4420	333908	15,255.74	SG2	SGSS2/SCD2/SGDS2
37	12983644001	400512422	SGT	TIB	1155	1252896	10,801.61	TIB	SDS/LGSS
37	12983645004	400492992	SGT	802	1121	1252804	14,862.32	802	FLEX MDS
37	12983645004	500142415	SGT	802	1121	1252804	14,862.32	802	FLEX MDS
37	12983646002	400481256	SGT	TIF	1114	1252804	14,725.43	TIF	LDS/LGSS
37	12983651001	400472750	SGT	TIF	1241	1252829	12,773.89	TIF	LDS/LGSS
37	12983654002	400472745	SGT	TAG2	1236	1252896	6,610.88	TAG2	SGSS2/SCD2/SGDS2
37	12983663001	400505567	SGT	TAG2	14764	1252821	3,352.37	TAG2	SGSS2/SCD2/SGDS2
37	12983681002	400472637	SGT	TIB	1141	1252803	18,010.19	TIB	SDS/LGSS
37	12983693004	400506899	SGT	TI4	14766	1252821	4,992.09	TI4	SDS/LGSS
37	12983778004	400526322	SGT	TAG6	44903	30287	27,762.30	TAG6	SGSS2/SCD2/SGDS2
37	12983801005	500151204	SGT	846	1225	30205	18,391.89	846	FLEX
37	12983801005	800800501	SGT	846	1227	30257	1,166.44	846	FLEX
37	12983811001	400472633	SGT	TIB	1138	30298	42,283.27	TIB	SDS/LGSS

37	12983816001	400497901	SGT	847	14538	30298	9,865.70	847	FLEX
37	12983818001	400472771	SGT	TAG6	3402	30205	989.28	TAG6	SGSS2/SCD2/SGDS2
37	12983820001	400472767	LG1		1068	30284	3,178.21	LG1	SDS/LGSS
37	12983822001	400472761	SGT	TAG6	1252	30244	1,277.77	TAG6	SGSS2/SCD2/SGDS2
37	12983826001	400472724	LG1		1215	30284	5,613.85	LG1	SDS/LGSS
37	12983826003	500263862	SG2		46403	30284	8,986.03	SG2	SGSS2/SCD2/SGDS2
37	12983833001	400472696	SG2		1195	30298	1,527.24	SG2	SGSS2/SCD2/SGDS2
37	12983840001	800800394	SG2		1177	30298	1,351.98	SG2	SGSS2/SCD2/SGDS2
37	12983844001	400472669	SG2		1171	30268	1,107.63	SG2	SGSS2/SCD2/SGDS2
37	12983845001	400472667	SGT	TIB	3320	30205	1,421.80	TIB	SDS/LGSS
37	12983846001	400472666	SGT	TI4	1169	30298	2,420.80	TI4	SDS/LGSS
37	12983847001	400472665	SGT	TAG6	1168	30298	1,735.12	TAG6	SGSS2/SCD2/SGDS2
37	12983848001	400472659	SG2		1163	30298	1,458.03	SG2	SGSS2/SCD2/SGDS2
37	12983855001	400472621	SGT	TAG6	3401	30224	1,484.68	TAG6	SGSS2/SCD2/SGDS2
37	12983856002	400472620	SGT	TAG6	1125	30262	3,096.42	TAG6	SGSS2/SCD2/SGDS2
37	12983862002	400472577	SGT	TAG2	4353	30298	2,370.79	TAG2	SGSS2/SCD2/SGDS2
37	12983864001	400472564	SGT	TAG6	4530	30298	1,442.57	TAG6	SGSS2/SCD2/SGDS2
37	12983867001	400490005	SGT	TAG6	14441	30298	3,399.12	TAG6	SGSS2/SCD2/SGDS2
37	12983868001	800800388	LG1		1073	30236	1,054.99	LG1	SDS/LGSS
37	12983871001	400472535	SGT	TAG6	1049	30298	16,882.20	TAG6	SGSS2/SCD2/SGDS2
37	12983873001	400472530	SGT	TI4	4287	30287	1,952.86	TI4	SDS/LGSS
37	12983875003	501090417	SGT	TIB	49141	30287	78,118.88	TIB	SDS/LGSS
37	12983877001	400472526	SGT	TIB	1041	30224	15,621.59	TIB	SDS/LGSS
37	12983880001	400472523	SGT	TAG6	1038	30205	2,362.23	TAG6	SGSS2/SCD2/SGDS2
37	12983883004	400510094	SGT	TIB	44023	30244	4,419.14	TIB	SDS/LGSS
37	12983883004	500149722	SGT	TIB	45235	30244	3,074.68	TIB	SDS/LGSS
37	12983883004	500310911	SGT	TIB	46787	30244	3,074.68	TIB	SDS/LGSS
37	12983883004	800800386	SGT	TIB	45235	30244	3,074.68	TIB	SDS/LGSS
37	12983884001	400503379	SGT	TIB	14503	30244	1,114.71	TIB	SDS/LGSS
37	12983885004	400472514	SGT	TI4	48589	30295	0.00	TI4	SDS/LGSS
37	12983886001	400472513	SGT	TAG2	4687	30295	2,325.82	TAG2	SGSS2/SCD2/SGDS2
37	12983915002	400472655	SGT	838	1159	30216	17,524.35	838	FLEX
37	12983919001	400472609	SC2		1116	30243	975.93	SC2	SGSS2/SCD2/SGDS2
37	12983923001	400477150	SGT	TAG6	1091	30276	1,170.43	TAG6	SGSS2/SCD2/SGDS2
37	12983934001	400484301	SGT	TIF	937	70452	19,291.15	TIF	LDS/LGSS
37	12983936001	400473091	SGT	TI8	916	30225	17,199.27	TI8	LDS/LGSS
37	12983938001	400473088	SGT	TIB	913	30225	27,714.20	TIB	SDS/LGSS
37	12983938002	400473011	SGT	TI8	49348	30225	34,432.94	TI8	LDS/LGSS
37	12983939001	400473057	SGT	TIF	887	30225	260,220.33	TIF	LDS/LGSS
37	12983946001	400493917	SGT	819	14046	70452	129,641.36	819	FLEX
37	12983954001	400518548	SGT	TAG2	1016	30280	1,793.76	TAG2	SGSS2/SCD2/SGDS2
37	12983968001	400473146	SGT	TI4	971	30280	1,505.38	TI4	SDS/LGSS
37	12983969001	400473144	SGT	TI8	4078	30280	8,666.74	TI8	LDS/LGSS
37	12983971001	400473142	SGT	TIB	968	30263	3,123.75	TIB	SDS/LGSS
37	12983976001	400473125	SGT	TAG6	949	30231	2,662.32	TAG6	SGSS2/SCD2/SGDS2
37	12983979001	400473122	SC2		946	30220	2,913.58	SC2	SGSS2/SCD2/SGDS2
37	12983982001	400473103	SGT	TI4	929	30272	356.76	TI4	SDS/LGSS
37	12983988002	400473027	SG2		4097	30272	1,504.40	SG2	SGSS2/SCD2/SGDS2
37	12983988002	400498427	SG2		4285	30272	0.00	SG2	SGSS2/SCD2/SGDS2
37	12983989001	400473067	SGT	TAG6	897	30255	1,605.63	TAG6	SGSS2/SCD2/SGDS2
37	12983993001	400473045	SGT	TI4	881	30235	2,566.18	TI4	SDS/LGSS
37	12983994003	400473044	SGT	TI4	880	30235	2,280.48	TI4	SDS/LGSS
37	12984012001	400526772	SGT	TAG6	810	30272	2,131.13	TAG6	SGSS2/SCD2/SGDS2
37	12984057001	400472794	SGT	TAG2	14003	70452	2,817.69	TAG2	SGSS2/SCD2/SGDS2
37	12984060001	400472789	SGT	TI4	675	30231	2,006.04	TI4	SDS/LGSS
37	12984091001	400472776	SGT	TIB	3296	1252806	2,490.72	TIB	SDS/LGSS
37	12984098001	400526718	SGT	TM1	45180	1252822	5,580.83	TM1	MDS/NSS
37	12984098003	400490002	SGT	TI8	14453	10154	2,599.58	TI8	LDS/LGSS
37	12984119001	400494178	SG2		1174	1252823	27,949.22	SG2	SGSS2/SCD2/SGDS2
37	12984122008	400472639	SGT	TIB	48825	1252822	23,753.50	TIB	SDS/LGSS
37	12984125001	400472585	SGT	TIB	4502	1252819	3,398.13	TIB	SDS/LGSS
37	12984129002	400472553	SGT	TIB	1070	1252807	4,903.64	TIB	SDS/LGSS
37	12984131002	500789128	SGT	TIB	48657	1252822	6,756.22	TIB	SDS/LGSS
37	12984147008	400520146	LG1		47452	1252807	398.38	LG1	SDS/LGSS
37	12984148002	500185413	SGT		49412	30241	45,009.35	SGT	INACTIVE
37	12984148003	400518885	SGT	TIB	44408	30241	14,184.28	TIB	SDS/LGSS

37	12984150004	501030792	SGT	875	49154	273860	490.06	875	FLEX
37	12984150004	800800371	SGT	875	4385	273804	8,294.78	875	FLEX
37	12984150005	400498737	SG2		14439	273806	3,028.17	SG2	SGSS2/SCD2/SGDS2
37	12984150007	501179703	SG2		49333	273860	490.06	SG2	SGSS2/SCD2/SGDS2
37	12984151020	400475666	SGT	TIF	1565	273860	287.79	TIF	LDS/LGSS
37	12984151020	400514859	SGT	TIF	48789	273860	490.06	TIF	LDS/LGSS
37	12984151020	400514976	SGT	TIF	48788	273860	490.06	TIF	LDS/LGSS
37	12984151020	400526997	SGT	TIF	45666	273860	490.06	TIF	LDS/LGSS
37	12984151020	500008214	SGT	TIF	48790	273860	490.06	TIF	LDS/LGSS
37	12984151020	500130476	SGT	TIF	45665	273860	490.06	TIF	LDS/LGSS
37	12984151020	500130460	SGT	TIF	45732	273804	574.12	TIF	LDS/LGSS
37	12984151020	500130474	SGT	TIF	48526	273860	490.06	TIF	LDS/LGSS
37	12984151020	500130459	SGT	TIF	48889	273860	490.06	TIF	LDS/LGSS
37	12984151020	500136322	SGT	TIF	45731	273804	574.12	TIF	LDS/LGSS
37	12984151020	500150517	SGT	TIF	45908	273860	490.06	TIF	LDS/LGSS
37	12984151020	500162068	SGT	TIF	45949	273860	490.06	TIF	LDS/LGSS
37	12984151020	500198356	SGT	TIF	46017	273804	574.12	TIF	LDS/LGSS
37	12984151020	500198359	SGT	TIF	46018	273804	5,413.76	TIF	LDS/LGSS
37	12984151020	500208315	SGT	TIF	46494	273804	574.12	TIF	LDS/LGSS
37	12984151020	500555580	SGT	TIF	48444	273860	490.06	TIF	LDS/LGSS
37	12984151020	500558423	SGT	TIF	48887	273860	490.06	TIF	LDS/LGSS
37	12984151020	500612327	SGT	TIF	48438	273804	574.12	TIF	LDS/LGSS
37	12984151020	500625771	SGT	TIF	48958	273860	612.22	TIF	LDS/LGSS
37	12984151020	500659013	SGT	TIF	48965	273860	490.06	TIF	LDS/LGSS
37	12984151020	500667297	SGT	TIF	48439	273804	574.12	TIF	LDS/LGSS
37	12984151020	500667298	SGT	TIF	48440	273860	740.30	TIF	LDS/LGSS
37	12984151020	500692603	SGT	TIF	48625	273860	490.06	TIF	LDS/LGSS
37	12984151020	500707423	SGT	TIF	48970	273804	574.12	TIF	LDS/LGSS
37	12984151020	500709556	SGT	TIF	48543	273860	490.06	TIF	LDS/LGSS
37	12984151020	500716291	SGT	TIF	48471	273860	490.06	TIF	LDS/LGSS
37	12984151020	500806647	SGT	TIF	48678	273860	490.06	TIF	LDS/LGSS
37	12984151020	500856054	SGT	TIF	48736	273804	574.12	TIF	LDS/LGSS
37	12984151020	500875536	SGT	TIF	48749	273804	574.12	TIF	LDS/LGSS
37	12984151020	500918034	SGT	TIF	48624	273860	490.06	TIF	LDS/LGSS
37	12984151020	500949336	SGT	TIF	48808	273860	490.06	TIF	LDS/LGSS
37	12984151020	500949337	SGT	TIF	48809	273860	490.06	TIF	LDS/LGSS
37	12984151020	800800356	SGT	TIF	4371	273860	490.06	TIF	LDS/LGSS
37	12984151020	800800357	SGT	TIF	4373	273860	490.06	TIF	LDS/LGSS
37	12984151020	800800358	SGT	TIF	4374	273860	1,555.96	TIF	LDS/LGSS
37	12984151020	800800359	SGT	TIF	4375	273860	1,235.30	TIF	LDS/LGSS
37	12984151020	800800360	SGT	TIF	4376	273860	490.06	TIF	LDS/LGSS
37	12984151020	800800361	SGT	TIF	4377	273860	825.56	TIF	LDS/LGSS
37	12984151020	800800362	SGT	TIF	4378	273860	2,892.02	TIF	LDS/LGSS
37	12984151020	800800364	SGT	TIF	4380	273860	550.88	TIF	LDS/LGSS
37	12984151020	800800365	SGT	TIF	4381	273804	574.12	TIF	LDS/LGSS
37	12984151020	800800366	SGT	TIF	4382	273860	490.06	TIF	LDS/LGSS
37	12984151020	800800367	SGT	TIF	4383	273860	2,705.00	TIF	LDS/LGSS
37	12984151020	800800369	SGT	TIF	14823	273860	(237.74)	TIF	LDS/LGSS
37	12984151020	800800370	SGT	TIF	45243	273804	574.12	TIF	LDS/LGSS
37	12984151020	800800354	SGT	TIF	49234	273860	490.06	TIF	LDS/LGSS
37	12984151070	500599616	SGT		48888	273860	490.06	SGT	INACTIVE
37	12984151071	500972343	SGT		48807	273804	574.12	SGT	INACTIVE
37	12984151071	501078814	SGT		49357	273860	490.06	SGT	INACTIVE
37	12984151071	501102376	SGT		49356	273860	490.06	SGT	INACTIVE
37	12984156001	400498964	SGT	TI8	14387	273821	7,361.53	TI8	LDS/LGSS
37	12984156007	501140885	SGT	881	49402	1212650	0.00	881	FLEX
37	12984156007	501140884	SGT	881	49404	1212650	0.00	881	FLEX
37	12984182002	400472462	SGT	TIB	4457	273860	10,409.20	TIB	SDS/LGSS
37	12984188002	400472449	SGT	TIF	4450	273804	357,403.65	TIF	LDS/LGSS
37	12984211001	400479603	SG2		4238	273851	2,432.34	SG2	SGSS2/SCD2/SGDS2
37	12984215001	400526343	SGT	TI4	44949	273804	574.12	TI4	SDS/LGSS
37	12984218002	400472435	SGT	TIB	1493	551552	0.00	TIB	SDS/LGSS
37	12984219005	400472431	LG2		294	551501	928.40	LG2	SDS/LGSS
37	12984219005	500165435	LG2		294	551501	928.40	LG2	SDS/LGSS
37	12984221002	400472381	SGT	TIB	1490	551501	5,370.70	TIB	SDS/LGSS
37	12984221004	501123144	SGT	TI8	49284	551501	2,638.10	TI8	LDS/LGSS

37	12984230001	400472414	SGT	TI4	1513	551554	4,102.66	TI4	SDS/LGSS
37	12984232001	400472408	NSI		1511	551511	1,085.90	NSI	MDS/NSS
37	12984233004	400472404	SGT	TI8	1508	551553	2,787.65	TI8	LDS/LGSS
37	12984233004	800800336	SGT	TI8	4507	551553	9,209.77	TI8	LDS/LGSS
37	12984235003	400503659	SGT	TI4	14732	551511	8,739.95	TI4	SDS/LGSS
37	12984235003	500232234	SGT	TI4	48041	551511	1,085.90	TI4	SDS/LGSS
37	12984245001	400514975	SGT	TAG6	44087	10153	2,947.61	TAG6	SGSS2/SCD2/SGDS2
37	12984246003	500416284	SGT	TAG6	47469	1333025	22,467.14	TAG6	SGSS2/SCD2/SGDS2
37	12984247004	400472434	SGT	TIF	297	10109	12,937.44	TIF	LDS/LGSS
37	12984247004	400472433	SGT	TIF	4339	10109	4,963.02	TIF	LDS/LGSS
37	12984247004	800800335	SGT	TIF	14446	10109	6,918.53	TIF	LDS/LGSS
37	12984250003	400507411	SGT	TI8	3215	10154	5,115.03	TI8	LDS/LGSS
37	12984250003	400507413	SGT	TI8	3215	10154	5,115.03	TI8	LDS/LGSS
37	12984251001	400507412	SGT	TIB	1510	10120	13,209.54	TIB	SDS/LGSS
37	12984252001	400472401	SGT	TAG6	1506	10160	2,716.17	TAG6	SGSS2/SCD2/SGDS2
37	12984255005	400472391	SGT	TAG6	4293	10158	3,969.19	TAG6	SGSS2/SCD2/SGDS2
37	12984257002	400472388	SGT	TIF	3334	10120	389.22	TIF	LDS/LGSS
37	12984257002	500149512	SGT	TIF	1496	10120	11,461.41	TIF	LDS/LGSS
37	12984261001	400472371	SGT	TIF	3384	10114	5,204.65	TIF	LDS/LGSS
37	12984262001	400517972	SGT	TIB	44406	10160	3,203.39	TIB	SDS/LGSS
37	12984264001	400472364	SGT	TIB	1477	10117	2,125.64	TIB	SDS/LGSS
37	12984269001	400498767	SGT	TIF	14635	10119	7,870.20	TIF	LDS/LGSS
37	12984270006	400498095	SGT	TIB	14526	1333072	4,269.98	TIB	SDS/LGSS
37	12984271002	400490462	SGT	TIB	14386	10156	7,754.25	TIB	SDS/LGSS
37	12984273001	400522508	SGT	TI4	44530	10105	4,338.27	TI4	SDS/LGSS
37	12984275001	400472429	SGT	TIB	1523	10157	13,872.58	TIB	SDS/LGSS
37	12984276001	400511898	SGT	TIB	44051	10157	2,268.56	TIB	SDS/LGSS
37	12984281001	400472403	SC2		1507	10157	5,011.48	SC2	SGSS2/SCD2/SGDS2
37	12984282002	400472402	SGT	TI4	3499	10119	1,353.99	TI4	SDS/LGSS
37	12984283001	400472399	SGT	TI4	3187	10158	2,708.97	TI4	SDS/LGSS
37	12984291001	400472378	SGT	TAG6	1486	10157	3,434.35	TAG6	SGSS2/SCD2/SGDS2
37	12984293002	400472376	SGT	TMB	285	10109	24,395.58	TMB	MDS/NSS
37	12984293003	500925519	SGT		48785	10109	16,768.97	SGT	INACTIVE
37	12984296001	400472372	SGT	TAG6	1483	10104	2,598.74	TAG6	SGSS2/SCD2/SGDS2
37	12984299002	400472366	SGT	TI8	1479	10157	4,617.06	TI8	LDS/LGSS
37	12984299002	500220827	SGT	TI8	46090	10157	(1,537.96)	TI8	LDS/LGSS
37	12984318001	400051028	SGT	TI8	48031	1333063	717.31	TI8	LDS/LGSS
37	12984318001	400472328	SGT	TI8	3515	1333063	4,627.20	TI8	LDS/LGSS
37	12984318001	400472327	SGT	TI8	3636	1333063	4,224.76	TI8	LDS/LGSS
37	12984318001	400494708	SGT	TI8	48033	1333063	717.31	TI8	LDS/LGSS
37	12984318001	400505362	SGT	TI8	48677	1333063	717.31	TI8	LDS/LGSS
37	12984318001	400507194	SGT	TI8	46075	1333063	717.31	TI8	LDS/LGSS
37	12984318001	400514810	SGT	TI8	48034	1333063	717.31	TI8	LDS/LGSS
37	12984318001	500005922	SGT	TI8	48032	1333063	717.31	TI8	LDS/LGSS
37	12984318001	500119649	SGT	TI8	45688	1333063	3,470.16	TI8	LDS/LGSS
37	12984321001	400472320	SGT	TIB	3543	1333025	2,924.99	TIB	SDS/LGSS
37	12984323001	400472318	SGT	TI8	3632	1333025	32,431.00	TI8	LDS/LGSS
37	12984324001	400472317	SC2		3542	1333025	1,613.38	SC2	SGSS2/SCD2/SGDS2
37	12984325001	400472316	SGT	TIF	3631	1333025	11,371.68	TIF	LDS/LGSS
37	12984327001	400472263	SGT	TI4	4536	1333025	1,730.75	TI4	SDS/LGSS
37	12984329001	400526741	SGT	TIF	45205	1333025	29,485.39	TIF	LDS/LGSS
37	12984343004	400490919	SGT	TIG	14417	1333063	18,898.59	TIG	LDS/LGSS
37	12984343004	500023117	SGT	TIG	48880	1333063	717.31	TIG	LDS/LGSS
37	12984343004	500535850	SGT	TIG	48881	1333063	717.31	TIG	LDS/LGSS
37	12984346001	400526951	SGT	TIB	44971	1333025	3,724.43	TIB	SDS/LGSS
37	12984351001	400472299	SGT	TI4	3527	1333025	5,492.43	TI4	SDS/LGSS
37	12984355001	400472293	LG1		3521	10103	1,321.13	LG1	SDS/LGSS
37	12984357001	400472287	SGT	TIF	3625	1333063	194.35	TIF	LDS/LGSS
37	12984366001	400472272	SGT	TI8	3506	1333063	5,406.17	TI8	LDS/LGSS
37	12984368001	400472269	SGT	TIB	3504	1333063	3,476.30	TIB	SDS/LGSS
37	12984378001	400496892	SGT	TAG6	14565	1333017	2,908.17	TAG6	SGSS2/SCD2/SGDS2
37	12984382001	400493516	SGT	TIB	14532	1333017	11,328.36	TIB	SDS/LGSS
37	12984392002	400472214	SGT	TIB	3569	1333074	2,164.09	TIB	SDS/LGSS
37	12984392002	400472233	SGT	TIB	3649	1333074	8,902.25	TIB	SDS/LGSS
37	12984392002	800800313	SGT	TIB	3648	1333074	3,347.55	TIB	SDS/LGSS
37	12984428001	400493347	SGT	TIB	3950	1333032	4,743.56	TIB	SDS/LGSS

37	12984433001	400474737	SGT	TIB	14041	1333014	5,653.11	TIB	SDS/LGSS
37	12984436001	400516474	SGT	TIB	3863	1333029	12,486.40	TIB	SDS/LGSS
37	12984438005	400517692	SGT	TI8	14678	1333029	6,879.26	TI8	LDS/LGSS
37	12984438005	400526273	SGT	TI8	44876	1333029	5,910.79	TI8	LDS/LGSS
37	12984438005	800800325	SGT	TI8	3916	1333029	6,020.27	TI8	LDS/LGSS
37	12984438005	800800326	SGT	TI8	3917	1333029	5,945.84	TI8	LDS/LGSS
37	12984440001	400472099	SGT	TIB	3909	1333032	545.40	TIB	SDS/LGSS
37	12984442001	400472096	SGT	TIG	14693	1333032	6,597.70	TIG	LDS/LGSS
37	12984443001	400472090	SGT	TIB	3901	1333095	4,730.90	TIB	SDS/LGSS
37	12984447001	400526359	SGT	TI8	3894	1333032	4,391.97	TI8	LDS/LGSS
37	12984448001	400472085	SGT	TI8	3893	1333027	6,582.03	TI8	LDS/LGSS
37	12984450007	500793520	SGT	TIF	48680	1333027	18,788.92	TIF	LDS/LGSS
37	12984453004	400505585	SGT	TI4	3881	1333029	15,312.79	TI4	SDS/LGSS
37	12984460001	400472065	SGT	TIB	3866	1333017	1,150.36	TIB	SDS/LGSS
37	12984472001	400472020	SGT	TAG6	3803	1333027	5,226.08	TAG6	SGSS2/SCD2/SGDS2
37	12984475001	400472016	SGT	TIB	3799	1333027	77.96	TIB	SDS/LGSS
37	12984477004	400472012	SC2		3792	1333027	600.79	SC2	SGSS2/SCD2/SGDS2
37	12984477004	800800315	SC2		3793	1333027	14.60	SC2	SGSS2/SCD2/SGDS2
37	12984484006	400467049	SGT	TIB	47453	1333083	6.06	TIB	SDS/LGSS
37	12984484006	400471998	SGT	TIB	14566	1333083	4,899.80	TIB	SDS/LGSS
37	12984484006	500151812	SGT	TIB	47456	1333083	6.06	TIB	SDS/LGSS
37	12984490001	400526586	SGT	TIF	4037	1333079	67,184.66	TIF	LDS/LGSS
37	12984493001	400471935	SGT	TAG2	4516	1333095	1,233.13	TAG2	SGSS2/SCD2/SGDS2
37	12984497001	400471892	SGT	TIB	4173	1333095	1,122.71	TIB	SDS/LGSS
37	12984501001	400471867	SGT	TIF	4155	1333095	8,825.36	TIF	LDS/LGSS
37	12984504001	400471831	SG2		4141	1333029	12.68	SG2	SGSS2/SCD2/SGDS2
37	12984507001	400471805	SGT	TIB	4556	1333014	5,773.32	TIB	SDS/LGSS
37	12984524001	400507001	SGT	TIB	14552	1333017	4,496.64	TIB	SDS/LGSS
37	12984528001	400507730	SGT	TIF	3971	1333029	4,984.94	TIF	LDS/LGSS
37	12984529002	400495160	SGT	831	293	290806	0.00	831	FLEX MDS
37	12984533001	400494422	SGT	TI8	14521	1333027	1,675.67	TI8	LDS/LGSS
37	12984534001	400491763	SGT	TI4	14383	1333029	323.82	TI4	SDS/LGSS
37	12984538001	400496374	SGT	TIB	14554	1333095	5,388.36	TIB	SDS/LGSS
37	12984541001	400472240	SGT	TIB	4443	1333074	2,583.06	TIB	SDS/LGSS
37	12984542001	400499351	SC2		14534	1333029	3,158.50	SC2	SGSS2/SCD2/SGDS2
37	12984549001	400496547	SGT	TIB	14438	1333095	5,049.11	TIB	SDS/LGSS
37	12984569008	400472068	SGT	TIF	3869	1333029	19,391.81	TIF	LDS/LGSS
37	12984569008	400492606	SGT	TIF	47118	1333029	10,688.18	TIF	LDS/LGSS
37	12984569008	400505836	SGT	TIF	47356	1333029	5,945.84	TIF	LDS/LGSS
37	12984569008	400516746	SGT	TIF	47028	1333029	5,945.84	TIF	LDS/LGSS
37	12984585004	400472035	SGT	TIB	3824	1333029	12.68	TIB	SDS/LGSS
37	12984585004	800800310	SGT	TIB	3825	1333029	2,269.87	TIB	SDS/LGSS
37	12984588001	400471996	SGT	TAG6	3703	1333027	49.62	TAG6	SGSS2/SCD2/SGDS2
37	12984592001	400471991	SGT	TI8	3698	1333069	12,248.59	TI8	LDS/LGSS
37	12984596001	400471986	SGT	TAG6	3754	1333017	1,646.10	TAG6	SGSS2/SCD2/SGDS2
37	12984597001	400471985	SGT	TAG6	3753	1333005	5,014.00	TAG6	SGSS2/SCD2/SGDS2
37	12984598001	400471984	SGT	TI4	3751	1333005	3,433.09	TI4	SDS/LGSS
37	12984606001	400471973	SGT	TIB	3736	1333026	7,848.80	TIB	SDS/LGSS
37	12984607002	400471965	SGT	TI4	3728	1333027	4,576.34	TI4	SDS/LGSS
37	12984611002	400471958	SGT	TIB	3723	1333029	7,465.84	TIB	SDS/LGSS
37	12984614001	400471948	SGT	TIB	3719	1333035	7,516.16	TIB	SDS/LGSS
37	12984622002	400471919	SGT	TAG6	3765	1333032	8,354.00	TAG6	SGSS2/SCD2/SGDS2
37	12984624003	400471915	SGT	TIB	3763	1333032	4,434.71	TIB	SDS/LGSS
37	12984628004	400471893	SGT	TIB	3686	1333029	4,477.49	TIB	SDS/LGSS
37	12984643001	400471809	SGT	TIB	4526	1333017	4,064.30	TIB	SDS/LGSS
37	12984645001	400471795	SGT	TAG2	3777	1333095	272.52	TAG2	SGSS2/SCD2/SGDS2
37	12984661001	400526647	SGT	TAG6	45046	1333014	2,190.07	TAG6	SGSS2/SCD2/SGDS2
37	12984661003	400500358	SGT	TIB	14657	10101	23,195.59	TIB	SDS/LGSS
37	12984661004	500738669	SGT	TIB	48592	1333032	20,323.87	TIB	SDS/LGSS
37	13188422011	500079934	SGT	TI8	49385	273806	23.81	TI8	LDS/LGSS
37	13188422011	500325346	SGT	TI8	49384	273806	2,119.27	TI8	LDS/LGSS
37	13237020002	500135596	SGT	TI8	4638	511396	34,603.89	TI8	LDS/LGSS
37	13241895007	501021913	SGT	830	49028	30225	39,552.88	830	FLEX
37	13241895007	501028115	SGT	830	49013	30225	39,552.88	830	FLEX
37	13264345002	400520745	SG2		1306	1292913	3,173.68	SG2	SGSS2/SCD2/SGDS2
37	13266182003	400473258	SGT	TMB	1296	1252858	134,805.10	TMB	MDS/NSS

37	13333833001	500159224	LG1		45928	551501	6,394.31	LG1	SDS/LGSS
37	13409908003	800800444	SGT	TI4	289	70406	2,190.25	TI4	SDS/LGSS
37	13418879001	500171349	SG2		45520	30205	17,353.82	SG2	SGSS2/SCD2/SGDS2
37	13503540001	500099035	SGT	TI4	45872	1252862	11,513.92	TI4	SDS/LGSS
37	13606384001	500209675	SGT	TI8	46079	1333028	20,132.46	TI8	LDS/LGSS
37	13629199001	500199977	SGT	TIF	46006	1112521	38,554.92	TIF	LDS/LGSS
37	13648145002	400473252	SC2		1289	1112521	24,071.02	SC2	SGSS2/SCD2/SGDS2
37	13676826001	500220820	SGT	845	46101	30243	27,319.26	845	FLEX
37	13801660001	500224592	SGT	TAG6	46122	1292998	17,889.42	TAG6	SGSS2/SCD2/SGDS2
37	13807449005	500843197	SGT	TAG6	48733	10160	10,929.56	TAG6	SGSS2/SCD2/SGDS2
37	13853322001	400473089	SGT	TI4	914	30225	4,842.66	TI4	SDS/LGSS
37	13909661002	500239238	SGT	TI4	46384	1292918	3,912.72	TI4	SDS/LGSS
37	13953098002	500268352	SG4		46701	511314	2,164.21	SG4	SGSS2/SCD2/SGDS2
37	13959263001	400473271	SGT	TI8	1309	1292977	12,519.67	TI8	LDS/LGSS
37	13968541002	500296548	SGT	TM2	46567	511324	286,814.93	TM2	MDS/NSS
37	14012426004	400516863	SG2		761	30272	1,603.30	SG2	SGSS2/SCD2/SGDS2
37	14161090002	400473124	SGS		948	30265	1,320.90	SGS	SGSS1/SCD1/SGDS1
37	14161126001	400472230	SGT	TIB	3588	1333034	6,881.34	TIB	SDS/LGSS
37	14172457001	500278290	SGT	TAG6	46926	273804	9,112.62	TAG6	SGSS2/SCD2/SGDS2
37	14203427002	400483822	SGT	TIB	14283	511304	7,594.01	TIB	SDS/LGSS
37	14238571001	500337814	SGT	TIF	46961	1333007	(820.17)	TIF	LDS/LGSS
37	14303963001	500391455	SGT	TAG6	47285	30260	12,062.59	TAG6	SGSS2/SCD2/SGDS2
37	14313747005	500338294	SGT	TAG6	47466	10155	15,456.04	TAG6	SGSS2/SCD2/SGDS2
37	14318082003	400519776	SGT	TIB	47451	1333032	12,859.08	TIB	SDS/LGSS
37	14344230001	500212008	SGT	TIB	47252	1252822	11,414.42	TIB	SDS/LGSS
37	14351364003	500354179	SGT	TIB	47333	591705	(9,801.11)	TIB	SDS/LGSS
37	14351364003	500371709	SGT	TIB	47605	591705	10,935.22	TIB	SDS/LGSS
37	14351364003	500690713	SGT	TIB	49040	591705	6,003.16	TIB	SDS/LGSS
37	14471914001	400526560	SGT	TIF	3908	1333032	18,056.51	TIF	LDS/LGSS
37	14492769002	500965975	LG2		49158	1112521	20,695.18	LG2	SDS/LGSS
37	14529317003	400472635	SGT	840	1139	1252856	21,455.28	840	FLEX
37	14529317003	800800373	SGT	840	14246	1252856	13,412.22	840	FLEX
37	14557113003	500054098	SGT	TI4	48084	551501	30,701.18	TI4	SDS/LGSS
37	14623990006	400526769	SG2		4505	1333095	1,505.78	SG2	SGSS2/SCD2/SGDS2
37	14666681003	400472559	SG2		1077	30202	2,911.95	SG2	SGSS2/SCD2/SGDS2
37	14738217002	400473525	SG4		621	832206	5,915.22	SG4	SGSS2/SCD2/SGDS2
37	14860718003	400473280	SGT	TAG6	1313	511314	3,298.88	TAG6	SGSS2/SCD2/SGDS2
37	14958276004	501161721	SGT	TIB	49323	1112501	31,261.72	TIB	SDS/LGSS
37	14962898001	400504012	SC2		4067	10104	1,319.79	SC2	SGSS2/SCD2/SGDS2
37	14997023001	400472421	SGT	TAG6	3491	10157	2,370.57	TAG6	SGSS2/SCD2/SGDS2
37	15034438001	800800392	SGT	TAG6	1131	30298	630.15	TAG6	SGSS2/SCD2/SGDS2
37	15096104001	500587558	SGT	809	47842	732195	9,696.55	809	FLEX
37	15096104002	501033523	SGT	809	49045	732195	44,763.53	809	FLEX
37	15096113001	500587559	SGT	833	47843	732195	45,474.89	833	FLEX
37	15107817004	500136220	SG4		1438	511314	1,652.12	SG4	SGSS2/SCD2/SGDS2
37	15119666001	400472700	SG2		1198	30243	1,563.83	SG2	SGSS2/SCD2/SGDS2
37	15120198003	501174545	LG2		49367	1333032	64,145.58	LG2	SDS/LGSS
37	15171839005	400472256	SGT	TI4	3642	1333074	279.49	TI4	SDS/LGSS
37	15190290003	500990795	SGT	TIB	48924	511314	21,953.37	TIB	SDS/LGSS
37	15246690003	400478147	SG2		1122	1252821	10,996.30	SG2	SGSS2/SCD2/SGDS2
37	15310256001	400477241	SGT	TIB	3990	1333017	60.31	TIB	SDS/LGSS
37	15320799002	400514006	SGT	TAG6	4540	1252822	0.00	TAG6	SGSS2/SCD2/SGDS2
37	15386979001	400472009	SGT	TIB	3788	1333027	5,065.69	TIB	SDS/LGSS
37	15399043001	400473272	SG4		1310	1292913	1,878.81	SG4	SGSS2/SCD2/SGDS2
37	15409498002	400472801	SG2		686	30225	1,621.75	SG2	SGSS2/SCD2/SGDS2
37	15410029001	400524934	SG4		1465	511314	2,137.32	SG4	SGSS2/SCD2/SGDS2
37	15410029003	400526421	SG2		1368	511314	5,237.34	SG2	SGSS2/SCD2/SGDS2
37	15514483001	400473294	SGS		1329	1112521	1,293.77	SGS	SGSS1/SCD1/SGDS1
37	15514517001	500607489	SGT	TIF	48514	551504	37,240.01	TIF	LDS/LGSS
37	15614278001	500732771	SGT	TI4	48561	30223	5,320.06	TI4	SDS/LGSS
37	15630675002	501155646	LG2		49311	1292909	46,337.79	LG2	SDS/LGSS
37	15632066001	500494320	SGT	TI4	48533	1112512	13,388.88	TI4	SDS/LGSS
37	15641400003	400502082	LG1		46814	1333017	11,328.36	LG1	SDS/LGSS
37	15674018001	500648810	SGT	TIF	48541	273801	100,011.17	TIF	LDS/LGSS
37	15878297001	500766884	SGT	TI4	48455	1333007	1,901.22	TI4	SDS/LGSS
37	15886667015	400472089	SG4		3897	1333032	4,749.76	SG4	SGSS2/SCD2/SGDS2

37	15897246001	500635532	SGT	TIB	48654	1333004	10,255.49	TIB	SDS/LGSS
37	15932079001	500755822	SGT	TIB	48661	511311	11,097.65	TIB	SDS/LGSS
37	16032404001	400493513	SG2		3428	1112521	1,471.35	SG2	SGSS2/SCD2/SGDS2
37	16080397001	400520923	SG2		44426	190633	1,001.72	SG2	SGSS2/SCD2/SGDS2
37	16195289003	400472627	SGT	TAG6	1134	30276	3,736.41	TAG6	SGSS2/SCD2/SGDS2
37	16211690001	400522880	SGT	TAG6	1081	30243	1,018.27	TAG6	SGSS2/SCD2/SGDS2
37	16226888005	400288865	SGT	TIB	46395	1292977	1,878.55	TIB	SDS/LGSS
37	16226888005	400289580	SGT	TIB	46393	1292977	1,878.55	TIB	SDS/LGSS
37	16226888005	400473253	SGT	TIB	1290	1292977	13,201.78	TIB	SDS/LGSS
37	16266565001	400518893	SGT	TIB	934	70495	1,261.32	TIB	SDS/LGSS
37	16316862001	400489632	SGT	TIB	48727	10103	23,457.97	TIB	SDS/LGSS
37	16450594001	400526719	SGT	TIB	48743	1333083	6,816.35	TIB	SDS/LGSS
37	16630957002	400526998	SGT	803	14788	70470	37,572.54	803	FLEX MDS
37	16656334003	501222616	LG1		49396	511304	26,038.98	LG1	SDS/LGSS
37	16804444002	500146391	SGT	Ti8	861	70495	5,786.00	Ti8	LDS/LGSS
37	16804444008	500175309	SGT	TIB	49139	70495	18,059.91	TIB	SDS/LGSS
37	16919869001	500215263	SGT	Ti4	48787	1333095	19,284.96	Ti4	SDS/LGSS
37	16920048001	500959190	SGT	TIB	48797	511395	11,994.70	TIB	SDS/LGSS
37	16921777003	500191867	SGT	TIB	45616	273806	2,923.04	TIB	SDS/LGSS
37	17000719005	400496375	SGT	TAG6	14550	1333027	1,701.93	TAG6	SGSS2/SCD2/SGDS2
37	17037445001	500962866	SGT	TIB	48814	511306	18,913.52	TIB	SDS/LGSS
37	17049920001	400499613	SGT	TIB	1126	30268	1,919.39	TIB	SDS/LGSS
37	17097990001	400473352	SC2		4547	1252858	1,965.53	SC2	SGSS2/SCD2/SGDS2
37	17184483002	500193058	SGT	TIB	45604	732195	(5,006.09)	TIB	SDS/LGSS
37	17187387006	400471902	SGT	Ti8	4178	1333032	9,528.39	Ti8	LDS/LGSS
37	17230495003	400479417	SG2		888	30225	1,962.15	SG2	SGSS2/SCD2/SGDS2
37	17264884002	400500238	SGT	TiH	14403	1333032	16,513.60	TiH	LDS/LGSS
37	17297010001	400474558	SGT	Ti4	14055	1333035	8,795.26	Ti4	SDS/LGSS
37	17329614003	500162630	SGT	868	44642	1333027	16,654.66	868	FLEX
37	17329614003	500162631	SGT	868	44642	1333027	16,654.66	868	FLEX
37	17374299002	400473323	LG2		1351	511314	9,043.84	LG2	SDS/LGSS
37	17409498001	501027922	SGT	TIB	49021	1333095	14,965.43	TIB	SDS/LGSS
37	17432474003	400472075	SGT	TIB	3879	1333027	199.99	TIB	SDS/LGSS
37	17439660001	400471850	SGT	Ti4	4149	1333035	290.07	Ti4	SDS/LGSS
37	17439660003	800800314	SGT	TAG2	4269	1333035	2,430.25	TAG2	SGSS2/SCD2/SGDS2
37	17446577006	400498963	SGT	Ti8	14518	10160	5,361.20	Ti8	LDS/LGSS
37	17451537003	400473024	SG2		862	30272	142.84	SG2	SGSS2/SCD2/SGDS2
37	17486118001	501043836	SG4		49030	273821	13,756.34	SG4	SGSS2/SCD2/SGDS2
37	17509433003	501049268	SGT	Ti8	49070	511306	21,499.07	Ti8	LDS/LGSS
37	17515866004	501043874	SG2		49053	30224	5,245.43	SG2	SGSS2/SCD2/SGDS2
37	17515866005	501043873	SG2		49052	30224	5,245.43	SG2	SGSS2/SCD2/SGDS2
37	17520364002	501043872	SG2		49054	30224	5,245.43	SG2	SGSS2/SCD2/SGDS2
37	17556648001	500988325	LG1		49016	1252829	56,724.90	LG1	SDS/LGSS
37	17613477001	501040193	SG2		49048	832295	17,028.50	SG2	SGSS2/SCD2/SGDS2
37	17653039001	400472681	SG2		1108	30243	1,233.79	SG2	SGSS2/SCD2/SGDS2
37	17662964001	400472829	SGT	856	711	30252	10,331.37	856	FLEX
37	17692241009	501080986	SGT	Ti8	49302	1333017	75,979.41	Ti8	LDS/LGSS
37	17766386001	501049150	SGT	Ti8	49088	1333014	37,624.94	Ti8	LDS/LGSS
37	18505018001	400473396	SG2		3248	1292914	1,663.84	SG2	SGSS2/SCD2/SGDS2
37	18540737001	500487109	SGS		47705	1292909	37,052.17	SGS	SGSS1/SCD1/SGDS1
37	18553656003	500204877		TAG6	48298	30272	5,399.51	TAG6	SGSS2/SCD2/SGDS2
37	18660393001	501083309	SG2		40519	1252820	22,691.51	SG2	SGSS2/SCD2/SGDS2
37	18703892001	400505131	SGT	TIF	689	70477	23,230.13	TIF	LDS/LGSS
37	18776965001	400472097	SGT	Ti8	3907	1333014	5,698.72	Ti8	LDS/LGSS
37	18792064002	501099066	SGT	TAG6	49244	1333035	15,923.45	TAG6	SGSS2/SCD2/SGDS2
37	18836110001	400473205	SGT	TIB	1018	732111	3,880.29	TIB	SDS/LGSS
37	18876998004	400498570	SG4		49393	310911	15,781.30	SG4	SGSS2/SCD2/SGDS2
37	18885421001	500376080	SGT	TIB	49156	10119	16,178.78	TIB	SDS/LGSS
37	18897692003	400472409	SGT	TIB	1512	10160	1,660.38	TIB	SDS/LGSS
37	18941652003	400473297	SGS		1332	511318	3,863.92	SGS	SGSS1/SCD1/SGDS1
37	18973174002	400526191	SGT	873	44761	190613	67,190.85	873	FLEX
37	18985473001	501047288	SGT	TIB	49243	1333035	403.68	TIB	SDS/LGSS
37	19022293001	400473231	SG2		4575	511316	1,956.84	SG2	SGSS2/SCD2/SGDS2
37	19022293005	500132845	SG2		4575	511316	1,956.84	SG2	SGSS2/SCD2/SGDS2
37	19046540001	400508038	SGT	TIB	14064	1333017	1,268.10	TIB	SDS/LGSS
37	19074397001	501115733	SGT	Ti8	49265	1333017	1,216.31	Ti8	LDS/LGSS

37	19075101001	400473322	SG2		4421	1292916	10,041.93	SG2	SGSS2/SCD2/SGDS2
37	19114953001	500688577	SGT	TAG6	48544	511312	1,115.13	TAG6	SGSS2/SCD2/SGDS2
37	19117144005	501102841	SGT	TI8	49282	732108	0.00	TI8	LDS/LGSS
37	19117144005	501104644	SGT	TI8	49270	732108	44,938.18	TI8	LDS/LGSS
37	19179996001	400472978	SGT	TIG	828	30272	18,048.75	TIG	LDS/LGSS
37	19193822001	501050977	SGT	TI4	49272	10103	17,467.57	TI4	SDS/LGSS
37	19252407003	800800378	SGT	TAG6	849	30234	2,908.76	TAG6	SGSS2/SCD2/SGDS2
37	19336466001	400501188	SGT	TAG2	45609	1333032	4,391.97	TAG2	SGSS2/SCD2/SGDS2
37	19430896001	501122186	SGT	TIB	49298	70412	11,219.30	TIB	SDS/LGSS
37	19431194001	400473171	SGT	TIB	989	70461	20,862.41	TIB	SDS/LGSS
37	19441257001	500095996	SG2		46960	1333017	6,468.85	SG2	SGSS2/SCD2/SGDS2
37	19443642001	400472814	SGT	TIB	697	70403	8,081.85	TIB	SDS/LGSS
37	19447200001	400472448	LG1		4581	273851	1,746.45	LG1	SDS/LGSS
37	19447200003	500153394	LG1		4581	273851	1,746.45	LG1	SDS/LGSS
37	19451537002	501178063	SGT		49337	1112521	16,774.06	SGT	INACTIVE
37	19497177003	400526340	SG2		4234	70409	1,167.65	SG2	SGSS2/SCD2/SGDS2
37	19531601001	400526383	SG3		1012	30225	11,525.34	SG3	SGSS1/SCD1/SGDS1
37	19592009003	501149161	LG2		49340	1252822	15,220.72	LG2	SDS/LGSS
37	19623332001	400472345	SG2		3562	1333063	7,786.78	SG2	SGSS2/SCD2/SGDS2
37	19643824001	400473062	SG2	TAG6	891	732195	3,376.52	TAG6	SGSS2/SCD2/SGDS2
37	19682099001	500296730	SGT	TIB	46707	511304	26,038.98	TIB	SDS/LGSS
37	19791817001	500175440	SGT	TAG6	45528	70452	31,312.32	TAG6	SGSS2/SCD2/SGDS2
37	19817465001	400472437	SG2		3304	10104	8,152.83	SG2	SGSS2/SCD2/SGDS2
37	19845214005	400472052	SGT	TIB	3847	1333032	7,490.23	TIB	SDS/LGSS
37	19854159001	501154755	SGT	TIB	49338	273804	2,245.53	TIB	SDS/LGSS
37	19854159002	501162824	LG2		49322	1333029	5,945.84	LG2	SDS/LGSS
37	19866613001	501025433	SGT	TIB	48841	190626	21,082.43	TIB	SDS/LGSS
37	19968875005	800800311	SGT	TIB	14595	1333029	3,083.07	TIB	SDS/LGSS
37	20091569037	400479518	SGT	TAG6	774	30272	1,641.60	TAG6	SGSS2/SCD2/SGDS2
37	20140885001	400485878	LG1		4254	30243	1,603.04	LG1	SDS/LGSS
37	20159378001	500153126	SGT	TI8	45642	70479	6,231.49	TI8	LDS/LGSS
37	20231700001	400472742	SGT	TI4	14101	1252807	5,736.00	TI4	SDS/LGSS
37	20231700003	400472014	SGT	TIB	3795	1333027	8,044.15	TIB	SDS/LGSS
37	20233976002	400473233	SG2		1275	511311	1,137.23	SG2	SGSS2/SCD2/SGDS2
37	20260616001	400500097	SGT	TIB	14666	10119	3,375.52	TIB	SDS/LGSS
37	20271496001	500744795	SGT	872	49242	1252851	29,234.93	872	FLEX
37	20271953001	500214064	LG1		47053	1252822	25,618.88	LG1	SDS/LGSS
37	20271953003	500459284	LG1		47484	1252822	5,248.14	LG1	SDS/LGSS
37	20352622001	400493366	SGT	TIF	14458	1333025	6,904.86	TIF	LDS/LGSS
37	20403776001	501228775	SGS		49390	10157	2,622.01	SGS	SGSS1/SCD1/SGDS1
37	20428036001	400494812	LG1		14520	1333095	3,163.10	LG1	SDS/LGSS
37	20436639001	400516841	SC2		671	30272	1,056.67	SC2	SGSS2/SCD2/SGDS2
37	20460679003	400472903	SG2		775	732195	1,532.00	SG2	SGSS2/SCD2/SGDS2
37	20480473001	501093555	SGT	880	49361	1333014	477,565.26	880	FLEX
37	20480473002	400471977	SGT	TIB	4335	1333077	5,839.08	TIB	SDS/LGSS
37	20503074001	501173051	LG1		49398	1333029	2,795.00	LG1	SDS/LGSS
37	20529220001	400472735	SG2		1224	30243	1,825.77	SG2	SGSS2/SCD2/SGDS2
37	20540367001	501221207	SGT	810	49395	732195	32,624.66	810	FLEX
37	20556961001	400494798	SGT	TI8	14599	10160	3,955.51	TI8	LDS/LGSS
37	20627531001	400473264	LG1		1303	511314	1,557.22	LG1	SDS/LGSS
37	20665631001	400473191	LG4		1007	30225	9,164.96	LG4	LDS/LGSS
37	20669499001	501163330	SG2		49411	70452	31,312.32	SG2	SGSS2/SCD2/SGDS2
37	20688663001	400474751	LG1		4509	30223	3,241.16	LG1	SDS/LGSS

Total

	<u>Total</u>	<u>Percent</u>
	<u>Cost</u>	
RSS/RTS	0.00	0.000%
SGSS1/SCD1/SGDS1	107,801.69	1.885%
SGSS2/SCD2/SGDS2	842,649.25	14.732%
SDS/LGSS	1,778,439.52	31.093%
LDS/LGSS	1,762,125.11	30.808%
FLEX	1,228,678.63	21.482%
TOTAL BEFORE MDS/NSS	5,719,694.20	100.000%
MDS/NSS	452,682.34	
FLEX MDS	67,297.18	
TOTAL	6,239,673.72	

**COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 18
OTHER DISTRIBUTION O & M EXPENSE**

LINE NO.	ACCT. NO.	ACCOUNT	TOTAL	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX
1	871.00	LOAD DISPATCHING	247,415	156,300	20,832	24,652	15,038	15,097	17	15,478
2	874.00	MAINS & SERVICES	22,906,737	16,078,010	1,859,569	1,791,078	1,053,710	1,048,670	1,145	1,074,555
3	875.00	M & R - GENERAL	792,535	500,668	66,731	78,968	48,170	48,361	56	49,581
4	876.00	M & R - INDUSTRIAL	370,307	-	6,980	54,554	115,140	114,084	-	79,549
5	878.00	METERS & HOUSE REGULATORS	2,673,203	2,073,042	361,925	204,126	26,679	5,480	214	1,738
6	879.00	CUSTOMER INSTALLATIONS	6,864,419	6,247,445	495,748	99,603	14,553	3,775	-	3,295
7	886.00	STRUCTURES AND IMPROVEMEN	86,755	54,806	7,305	8,644	5,273	5,294	6	5,427
8	887.00	MAINS	12,938,482	8,173,627	1,089,420	1,289,190	786,401	789,506	906	809,431
9	889.00	M & R - GENERAL	1,052,699	665,022	88,637	104,891	63,983	64,236	74	65,857
10	890.00	M & R - INDUSTRIAL	161,769	-	3,049	23,832	50,299	49,838	-	34,751
11	892.00	SERVICES	5,222,661	4,753,248	377,181	75,781	11,072	2,873	-	2,507
12	893.00	METERS & HOUSE REGULATORS	372,975	289,238	50,497	28,480	3,722	765	30	242
13		TOTAL	53,689,957	38,991,406	4,427,876	3,783,799	2,194,039	2,147,979	2,447	2,142,412
14		ALLOCATOR #18	100.000%	72.624%	8.247%	7.047%	4.086%	4.001%	0.005%	3.990%

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 19
O & M EXCLUDING GAS PURCHASED COST, UNCOLLECTIBLES, USP COSTS & A & G

LINE NO.	ACCT. NO.	ACCOUNT	TOTAL	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX
1		TOTAL PURCH GAS & UNDERGROUND STORAGE	140,082,423	102,603,602	15,963,691	17,536,445	3,760,106	-	218,579	-
2		TOTAL DISTRIBUTION O&M [2]	72,981,996	53,002,056	6,018,890	5,143,309	2,982,312	2,919,853	3,412	2,912,165
3		TOTAL CUSTOMER ACCOUNTS [3]	37,023,303	35,577,719	813,602	264,854	177,175	141,879	6,543	41,532
4		TOTAL CUSTOMER SERVICE & INFORMATION [4]	1,746,469	1,597,268	123,650	23,193	1,939	280	17	122
5		TOTAL SALES [5]	<u>1,062,462</u>	<u>971,696</u>	<u>75,222</u>	<u>14,109</u>	<u>1,179</u>	<u>170</u>	<u>11</u>	<u>74</u>
6		TOTAL	252,896,653	193,752,341	22,995,056	22,981,911	6,922,710	3,062,181	228,562	2,953,893
		LESS:								
7		GAS PURCHASED COST [6]	138,934,976	101,762,719	15,832,726	17,393,102	3,729,634	-	216,795	-
8	904.00	UNCOLLECTIBLES-DIS REVENUE [7]	4,435,459	4,241,674	95,850	97,935	-	-	-	-
9	904.00	UNCOLLECTIBLES-GMB/GTS REVENUE [8]	326,693	-	1,481	12,439	166,289	140,033	6,451	40,886
10	904.00	UNCOLLECTIBLES-UNBUNDLED GAS [9]	867,390	815,144	25,534	26,712	-	-	-	-
11	904.00	DIRECT USP UNCOLLECTIBLES [10]	<u>21,970,614</u>	<u>21,970,614</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
12		TOTAL	166,535,132	128,790,151	15,955,592	17,530,188	3,895,923	140,033	223,246	40,886
13		TOTAL	86,361,521	64,962,190	7,039,464	5,451,723	3,026,787	2,922,148	5,316	2,913,007
14		ALLOCATOR #19	100.000%	75.268%	8.151%	6.313%	3.505%	3.384%	0.006%	3.373%

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 20
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

PAGE 1

WITNESS: C.E. Notestone

1 Total Company - Average Unit Cost of Mains

2	3	Kind	Size	Key	Total Company		Direct Assignment		Allocable Pipe		Average Cost per Foot
					Quantity (Footage)	Amount	Quantity (Footage)	Amount	Quantity (Footage)	Amount	
4	CAST IRON	3"	CAST IRON 3"		2,725	4,971	-	-	2,725	4,971	1.82
5	CAST IRON	4"	CAST IRON 4"		41,999	134,567	-	-	41,999	134,567	3.20
6	CAST IRON	6"	CAST IRON 6"		6,242	18,422	-	-	6,242	18,422	2.95
7	CAST IRON	8"	CAST IRON 8"		4,041	9,727	-	-	4,041	9,727	2.41
8	CAST IRON	12"	CAST IRON 12"		1,088	50,118	-	-	1,088	50,118	46.06
9	PLASTIC	1"	PLASTIC 1"		24,764	113,492	-	-	24,764	113,492	4.58
10	PLASTIC	1-1/8"	PLASTIC 1-1/8"		1,151	5,619	-	-	1,151	5,619	4.88
11	PLASTIC	1-1/4"	PLASTIC 1-1/4"		347,199	2,114,227	-	-	347,199	2,114,227	6.09
12	PLASTIC	2"	PLASTIC 2"		11,173,663	246,664,156	-	-	11,173,663	246,664,156	22.08
13	PLASTIC	3"	PLASTIC 3"		2,183,413	26,744,095	-	-	2,183,413	26,744,095	12.25
14	PLASTIC	4"	PLASTIC 4"		6,965,357	411,311,451	-	-	6,965,357	411,311,451	59.05
15	PLASTIC	6"	PLASTIC 6"		2,708,251	239,990,697	384	12,749	2,707,867	239,977,948	88.62
16	PLASTIC	8"	PLASTIC 8"		1,465,096	199,521,182	-	-	1,465,096	199,521,182	136.18
17	STEEL	1/2"	STEEL 1/2"		3	233	-	-	3	233	77.74
18	STEEL	3/4"	STEEL 3/4"		6,553	12,038	-	-	6,553	12,038	1.84
19	STEEL	1"	STEEL 1"		34,847	127,917	-	-	34,847	127,917	3.67
20	STEEL	1-1/4"	STEEL 1-1/4"		262,255	716,339	-	-	262,255	716,339	2.73
21	STEEL	1-1/2"	STEEL 1-1/2"		8,627	11,796	-	-	8,627	11,796	1.37
22	STEEL	2"	STEEL 2"		3,061,957	8,013,523	840	4,331	3,061,117	8,009,192	2.62
23	STEEL	2-1/2"	STEEL 2-1/2"		3,880	18,811	-	-	3,880	18,811	4.85
24	STEEL	3"	STEEL 3"		854,703	2,762,401	-	-	854,703	2,762,401	3.23
25	STEEL	3-1/4"	STEEL 3-1/4"		653	3,764	-	-	653	3,764	5.76
26	STEEL	3-1/2"	STEEL 3-1/2"		3,649	20,815	-	-	3,649	20,815	5.70
27	STEEL	4"	STEEL 4"		4,677,021	31,476,909	36	18,504	4,676,985	31,458,405	6.73
28	STEEL	4-1/2"	STEEL 4-1/2"		1,458	18,124	-	-	1,458	18,124	12.43
29	STEEL	4-7/8"	STEEL 4-7/8"		8,032	17,413	-	-	8,032	17,413	2.17
30	STEEL	5"	STEEL 5"		40,004	39,834	93	41	39,911	39,793	1.00
31	STEEL	5-3/16"	STEEL 5-3/16"		16,976	36,066	-	-	16,976	36,066	2.12
32	STEEL	5-1/4"	STEEL 5-1/4"		67	344	-	-	67	344	5.14
33	STEEL	5-5/8"	STEEL 5-5/8"		12,354	14,502	-	-	12,354	14,502	1.17
34	STEEL	6"	STEEL 6"		3,014,499	35,976,281	14,246	145,760	3,000,253	35,830,521	11.94
35	STEEL	6-1/4"	STEEL 6-1/4"		15,981	5,618	-	-	15,981	5,618	0.35
36	STEEL	6-5/8"	STEEL 6-5/8"		101,367	655,523	-	-	101,367	655,523	6.47
37	STEEL	7-5/8"	STEEL 7-5/8"		636	25,405	-	-	636	25,405	39.94
38	STEEL	8"	STEEL 8"		1,475,420	48,990,941	-	-	1,475,420	48,990,941	33.20
39	STEEL	8-1/4"	STEEL 8-1/4"		282	2,429	-	-	282	2,429	8.61
40	STEEL	8-5/8"	STEEL 8-5/8"		8,232	361,804	-	-	8,232	361,804	43.95
41	STEEL	9-5/8"	STEEL 9-5/8"		1,269	7,380	-	-	1,269	7,380	5.82
42	STEEL	10"	STEEL 10"		727,641	33,889,857	-	-	727,641	33,889,857	46.57
43	STEEL	12"	STEEL 12"		434,751	52,038,729	-	-	434,751	52,038,729	119.70
44	STEEL	14"	STEEL 14"		450	5,167	-	-	450	5,167	11.48
45	STEEL	16"	STEEL 16"		338,345	36,449,275	-	-	338,345	36,449,275	107.73
46	STEEL	20"	STEEL 20"		33,575	6,378,737	-	-	33,575	6,378,737	189.98
47	WROUGHT IRON	2"	WROUGHT IRON 2"		23,703	25,521	-	-	23,703	25,521	1.08
48	WROUGHT IRON	3"	WROUGHT IRON 3"		43,331	7,792	-	-	43,331	7,792	0.18

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 20
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

PAGE 2
WITNESS: C.E. Notestone

1 Total Company - Average Unit Cost of Mains (Cont)

	Kind	Size	Key	Total Company		Direct Assignment		Allocable Pipe		Average Cost per Foot
				Quantity (Footage)	Amount	Quantity (Footage)	Amount	Quantity (Footage)	Amount	
4	WROUGHT IRON	4"	WROUGHT IRON 4"	66,287	4,358	-	-	66,287	4,358	0.07
5	WROUGHT IRON	6"	WROUGHT IRON 6"	50,538	254	-	-	50,538	254	0.01
6	WROUGHT IRON	6-5/8"	WROUGHT IRON 6-5/8"	1,622	151	-	-	1,622	151	0.09
7	WROUGHT IRON	8"	WROUGHT IRON 8"	111,033	2,290	-	-	111,033	2,290	0.02
8	WROUGHT IRON	10"	WROUGHT IRON 10"	42,308	683	-	-	42,308	683	0.02
9	WROUGHT IRON	12"	WROUGHT IRON 12"	661	5,721	-	-	661	5,721	8.66
10	Total Pipe			40,409,960	1,384,807,468	15,599	181,385	40,394,361	1,384,626,083	34.28
11	OTHER NON-PIPE				391,969,690		45,985		391,923,705	
12	Total Account 376				1,776,777,159		227,370		1,776,549,788	

COLUMBIA GAS OF PENNSYLVANIA, INC.
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FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

PAGE 3
WITNESS: C.E. Notestone

1 **Total Company - Transmission Class Mains**

2					Average	
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Amount</u>
4	STEEL	10"	STEEL 10"	42,171	46.57	1,963,903.47
5	STEEL	12"	STEEL 12"	97,870	119.70	11,715,039.00
6	STEEL	16"	STEEL 16"	49,050	107.73	5,284,156.50
7	STEEL	2"	STEEL 2"	1,163	2.62	3,047.06
8	STEEL	4"	STEEL 4"	10,846	6.73	72,993.58
9	STEEL	6"	STEEL 6"	10,051	11.94	120,008.94
10	STEEL	8"	STEEL 8"	9,965	33.20	330,838.00
11	PLASTIC	4"	PLASTIC 4"	134	59.05	7,912.70
12	PLASTIC	8"	PLASTIC 8"	12	136.18	1,634.16
13	STEEL	1-1/2"	STEEL 1-1/2"	45	1.37	61.65
14	STEEL	3"	STEEL 3"	<u>1,184</u>	3.23	<u>3,824.32</u>
15	Total			222,491		19,503,419.38

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 20
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

PAGE 4
WITNESS: C.E. Notestone

1 Total Company - Distribution Low Pressure Mains

2					Average	
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Amount</u>
4	CAST IRON	3"	CAST IRON 3"	2,725	1.82	4,959.50
5	CAST IRON	4"	CAST IRON 4"	41,999	3.20	134,396.80
6	CAST IRON	6"	CAST IRON 6"	6,242	2.95	18,413.90
7	CAST IRON	8"	CAST IRON 8"	4,041	2.41	9,738.81
8	CAST IRON	12"	CAST IRON 12"	1,088	46.06	50,113.28
9	PLASTIC	1"	PLASTIC 1"	6,043	4.58	27,676.94
10	PLASTIC	1-1/8"	PLASTIC 1-1/8"	983	4.88	4,797.04
11	PLASTIC	1-1/4"	PLASTIC 1-1/4"	59,038	6.09	359,541.42
12	PLASTIC	2"	PLASTIC 2"	1,141,645	22.08	25,207,521.60
13	PLASTIC	3"	PLASTIC 3"	710,994	12.25	8,709,676.50
14	PLASTIC	4"	PLASTIC 4"	1,919,288	59.05	113,333,956.40
15	PLASTIC	6"	PLASTIC 6"	735,487	88.62	65,178,857.94
16	PLASTIC	8"	PLASTIC 8"	260,973	136.18	35,539,303.14
17	STEEL	1/2"	STEEL 1/2"	0	77.74	0.00
18	STEEL	3/4"	STEEL 3/4"	0	1.84	0.00
19	STEEL	1"	STEEL 1"	3,073	3.67	11,277.91
20	STEEL	1-1/4"	STEEL 1-1/4"	11,398	2.73	31,116.54
21	STEEL	1-1/2"	STEEL 1-1/2"	2,765	1.37	3,788.05
22	STEEL	2"	STEEL 2"	711,122	2.62	1,863,139.64
23	STEEL	2-1/2"	STEEL 2-1/2"	3,074	4.85	14,908.90
24	STEEL	3"	STEEL 3"	441,822	3.23	1,427,085.06
25	STEEL	3-1/4"	STEEL 3-1/4"	0	5.76	0.00
26	STEEL	3-1/2"	STEEL 3-1/2"	3,374	5.70	19,231.80
27	STEEL	4"	STEEL 4"	2,341,693	6.73	15,759,593.89
28	STEEL	4-1/2"	STEEL 4-1/2"	1,335	12.43	16,594.05
29	STEEL	4-7/8"	STEEL 4-7/8"	5,426	2.17	11,774.42
30	STEEL	5"	STEEL 5"	19,612	1.00	19,612.00
31	STEEL	5-3/16"	STEEL 5-3/16"	9,548	2.12	20,241.76
32	STEEL	5-1/4"	STEEL 5-1/4"	67	5.14	344.38
33	STEEL	5-5/8"	STEEL 5-5/8"	10,204	1.17	11,938.68
34	STEEL	6"	STEEL 6"	1,346,171	11.94	16,073,281.74
35	STEEL	6-1/4"	STEEL 6-1/4"	9,145	0.35	3,200.75
36	STEEL	6-5/8"	STEEL 6-5/8"	72,483	6.47	468,965.01
37	STEEL	8"	STEEL 8"	257,332	33.20	8,543,422.40
38	STEEL	8-1/4"	STEEL 8-1/4"	0	8.61	0.00
39	STEEL	8-5/8"	STEEL 8-5/8"	0	43.95	0.00
40	STEEL	9-5/8"	STEEL 9-5/8"	0	5.82	0.00
41	STEEL	10"	STEEL 10"	150,934	46.57	7,028,996.38
42	STEEL	12"	STEEL 12"	32,518	119.70	3,892,404.60
43	STEEL	14"	STEEL 14"	450	11.48	5,166.00
44	STEEL	16"	STEEL 16"	18,756	107.73	2,020,583.88
45	STEEL	20"	STEEL 20"	1,642	189.98	311,947.16

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 20
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ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

PAGE 5
WITNESS: C.E. Notestone

1 **Total Company - Distribution Low Pressure Mains (Cont)**

2					Average	
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Amount</u>
4	WROUGHT IRON	2"	WROUGHT IRON 2"	578	1.08	624.24
5	WROUGHT IRON	3"	WROUGHT IRON 3"	5,607	0.18	1,009.26
6	WROUGHT IRON	4"	WROUGHT IRON 4"	9,525	0.07	666.75
7	WROUGHT IRON	6"	WROUGHT IRON 6"	3,256	0.01	32.56
8	WROUGHT IRON	6-5/8"	WROUGHT IRON 6-5/8"	0	0.09	0.00
9	WROUGHT IRON	8"	WROUGHT IRON 8"	2,419	0.02	48.38
10	WROUGHT IRON	10"	WROUGHT IRON 10"	553	0.02	11.06
11	WROUGHT IRON	12"	WROUGHT IRON 12"	<u>319</u>	8.66	<u>2,761.10</u>
12	Total			10,366,747		306,142,721.62

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 20
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

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WITNESS: C.E. Notestone

1 Total Company - Distribution Regulated Pressure Only Mains

2				Total	Direct Assignment	Allocable	Average	
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Amount</u>
4	PLASTIC	1-1/4"	PLASTIC 1-1/4"	288,161	0	288,161	6.09	1,754,900.49
5	PLASTIC	2"	PLASTIC 2"	9,903,912	0	9,903,912	22.08	218,678,376.96
6	PLASTIC	3"	PLASTIC 3"	1,385,038	0	1,385,038	12.25	16,966,715.50
7	PLASTIC	4"	PLASTIC 4"	4,630,388	0	4,630,388	59.05	273,424,411.40
8	PLASTIC	6"	PLASTIC 6"	1,446,213	0	1,446,213	88.62	128,163,396.06
9	PLASTIC	8"	PLASTIC 8"	480,265	0	480,265	136.18	65,402,487.70
10	STEEL	1-1/4"	STEEL 1-1/4"	250,857	0	250,857	2.73	684,839.61
11	STEEL	2"	STEEL 2"	2,319,562	0	2,319,562	2.62	6,077,252.44
12	STEEL	3"	STEEL 3"	357,810	0	357,810	3.23	1,155,726.30
13	STEEL	4"	STEEL 4"	1,865,303	0	1,865,303	6.73	12,553,489.19
14	STEEL	5"	STEEL 5"	20,392	93	20,299	1.00	20,298.63
15	STEEL	6"	STEEL 6"	839,662	0	839,662	11.94	10,025,566.79
16	STEEL	8"	STEEL 8"	446,135	0	446,135	33.20	14,811,683.00
17	STEEL	10"	STEEL 10"	32,603	0	32,603	46.57	1,518,321.71
18	STEEL	12"	STEEL 12"	84,535	0	84,535	119.70	10,118,894.56
19	STEEL	16"	STEEL 16"	25,055	0	25,055	107.73	2,699,175.15
20	STEEL	20"	STEEL 20"	29	0	29	189.98	5,509.42
21	WROUGHT IRON	2"	WROUGHT IRON 2"	17,012	0	17,012	1.08	18,372.96
22	WROUGHT IRON	6"	WROUGHT IRON 6"	47,282	0	47,282	0.01	472.82
23	WROUGHT IRON	8"	WROUGHT IRON 8"	<u>43,243</u>	<u>0</u>	<u>43,243</u>	0.02	<u>864.86</u>
24	Total			24,483,457	93	24,483,364		764,080,755.55

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 20
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

PAGE 7
WITNESS: C.E. Notestone

1 Total Company - Remaining Regulated Pressure Mains

2					Direct Assignment	Allocable	
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Amount</u>
4	CAST IRON	3"	CAST IRON 3"	0	0	0	11.84
5	CAST IRON	4"	CAST IRON 4"	0	0	0	170.34
6	CAST IRON	6"	CAST IRON 6"	0	0	0	7.99
7	CAST IRON	8"	CAST IRON 8"	0	0	0	(11.81)
8	CAST IRON	12"	CAST IRON 12"	0	0	0	5.20
9	PLASTIC	1"	PLASTIC 1"	18,721	0	18,721	85,814.70
10	PLASTIC	1-1/8"	PLASTIC 1-1/8"	168	0	168	821.48
11	PLASTIC	1-1/4"	PLASTIC 1-1/4"	0	0	0	(214.90)
12	PLASTIC	2"	PLASTIC 2"	128,106	0	128,106	2,778,257.35
13	PLASTIC	3"	PLASTIC 3"	87,381	0	87,381	1,067,703.04
14	PLASTIC	4"	PLASTIC 4"	415,547	0	415,547	24,545,170.41
15	PLASTIC	6"	PLASTIC 6"	526,551	384	526,167	46,635,694.28
16	PLASTIC	8"	PLASTIC 8"	723,846	0	723,846	98,577,756.82
17	STEEL	1/2"	STEEL 1/2"	3	0	3	233.23
18	STEEL	3/4"	STEEL 3/4"	6,553	0	6,553	12,038.20
19	STEEL	1"	STEEL 1"	31,774	0	31,774	116,639.29
20	STEEL	1-1/4"	STEEL 1-1/4"	0	0	0	382.36
21	STEEL	1-1/2"	STEEL 1-1/2"	5,817	0	5,817	7,946.28
22	STEEL	2"	STEEL 2"	30,110	840	29,270	65,752.51
23	STEEL	2-1/2"	STEEL 2-1/2"	806	0	806	3,902.34
24	STEEL	3"	STEEL 3"	53,887	0	53,887	175,765.68
25	STEEL	3-1/4"	STEEL 3-1/4"	653	0	653	3,764.26
26	STEEL	3-1/2"	STEEL 3-1/2"	275	0	275	1,582.70
27	STEEL	4"	STEEL 4"	459,179	36	459,143	3,072,328.06
28	STEEL	4-1/2"	STEEL 4-1/2"	123	0	123	1,530.12
29	STEEL	4-7/8"	STEEL 4-7/8"	2,606	0	2,606	5,638.76
30	STEEL	5"	STEEL 5"	0	0	0	(117.80)
31	STEEL	5-3/16"	STEEL 5-3/16"	7,428	0	7,428	15,824.00
32	STEEL	5-1/4"	STEEL 5-1/4"	0	0	0	(0.31)
33	STEEL	5-5/8"	STEEL 5-5/8"	2,150	0	2,150	2,563.00
34	STEEL	6"	STEEL 6"	818,615	14,246	804,369	9,611,663.07
35	STEEL	6-1/4"	STEEL 6-1/4"	6,836	0	6,836	2,417.52
36	STEEL	6-5/8"	STEEL 6-5/8"	28,884	0	28,884	186,558.31
37	STEEL	7-5/8"	STEEL 7-5/8"	636	0	636	25,404.57
38	STEEL	8"	STEEL 8"	761,988	0	761,988	25,304,997.25
39	STEEL	8-1/4"	STEEL 8-1/4"	282	0	282	2,429.17
40	STEEL	8-5/8"	STEEL 8-5/8"	8,232	0	8,232	361,803.89
41	STEEL	9-5/8"	STEEL 9-5/8"	1,269	0	1,269	7,379.67
42	STEEL	10"	STEEL 10"	501,933	0	501,933	23,378,635.08
43	STEEL	12"	STEEL 12"	219,828	0	219,828	26,312,390.72
44	STEEL	14"	STEEL 14"	0	0	0	0.88
45	STEEL	16"	STEEL 16"	245,484	0	245,484	26,445,359.47

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 20
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ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

PAGE 8
WITNESS: C.E. Notestone

1 **Total Company - Remaining Regulated Pressure Mains (Cont)**

2					Direct Assignment	Allocable	
3	<u>Kind</u>	<u>Size</u>	<u>Key</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Quantity</u>	<u>Amount</u>
4	STEEL	20"	STEEL 20"	31,904	0	31,904	6,061,280.77
5	WROUGHT IRON	2"	WROUGHT IRON 2"	6,113	0	6,113	6,523.60
6	WROUGHT IRON	3"	WROUGHT IRON 3"	37,724	0	37,724	6,782.37
7	WROUGHT IRON	4"	WROUGHT IRON 4"	56,762	0	56,762	3,691.52
8	WROUGHT IRON	6"	WROUGHT IRON 6"	0	0	0	(251.29)
9	WROUGHT IRON	6-5/8"	WROUGHT IRON 6-5/8"	1,622	0	1,622	150.66
10	WROUGHT IRON	8"	WROUGHT IRON 8"	65,371	0	65,371	1,377.25
11	WROUGHT IRON	10"	WROUGHT IRON 10"	41,755	0	41,755	672.13
12	WROUGHT IRON	12"	WROUGHT IRON 12"	<u>342</u>	<u>0</u>	<u>342</u>	<u>2,960.21</u>
13	Total			5,337,265	15,506	5,321,759	294,899,186.24

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 20
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

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WITNESS: C.E. Notestone

<u>Line No.</u>	<u>Description</u>	<u>Alloc</u>	<u>Total Company</u>	<u>RS/RDS</u>	<u>SGS1/SCD1/SGDS1</u>	<u>SGS2/SCD2/SGDS2</u>	<u>SDS/LGS</u>	<u>LDS/LGS</u>	<u>MDS</u>	<u>Flex</u>
	Total Mains Plant in Service		1,776,777,159							
	Direct Assigned Plant		181,385							
	Other - Non Pipe		<u>391,969,690</u>							
	Allocable Pipe		1,384,626,083							
1	Transmission Pipe		19,503,419							
2	Low Pressure Pipe		306,142,722							
3	Regulated Pressure Pipe Only		764,080,756							
4	Remaining Regulated Pressure Pipe		<u>294,899,186</u>							
5	Allocated Pipe		1,384,626,083							
6										
7	Allocation of Transmission Pipe									
8	Allocable Transmission Pipe		19,503,419							
9	Design Day Volumes (Total Company Excluding MDS)		792,523	452,900	78,086	110,100	59,807	44,261		47,369
10	Percent Design Day Volumes		100.000%	57.147%	9.853%	13.892%	7.546%	5.585%		5.977%
11	Allocation of Transmission Pipe		\$19,503,419	\$11,145,619	\$1,921,672	\$2,709,415	\$1,471,728	\$1,089,266		\$1,165,719

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 20
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

PAGE 10
WITNESS: C.E. Notestone

Line No.	Description	Alloc	Total Company	RS/RDS	SGS1/SCD1/SGDS1	SGS2/SCD2/SGDS2	SDS/LGS	LDS/LGS	MDS	Flex
1	Allocation of Low Pressure Pipe									
2			<u>Footage</u>	<u>Amount</u>	<u>Unit Cost</u>					
3	2" Pipe		1,853,345	27,071,285.48	\$14.61					
4	All Pipe		10,366,747	306,142,721.62						
5	Unit Cost of 2" x All Pipe Footage			151,458,173.67						
6	Customer Component			49.473%						
7	Demand Component			50.527%						
8	Allocable Low Pressure Pipe		\$306,142,721.62							
9	Number of Customers (excl MDS)		158,091	145,144	11,622	1,311	12	1		1
10	Percent Customers		100.000%	91.810%	7.351%	0.829%	0.008%	0.001%		0.001%
11	Customer Component		49.473%	45.422%	3.637%	0.410%	0.004%	0.000%		0.000%
12	Design Day Volumes (excl MDS)		228,681	181,100	27,454	19,302	780	6		39
13	Percent Design Day Volumes		100.000%	79.193%	12.005%	8.441%	0.341%	0.003%		0.017%
14	Demand Component		50.527%	40.013%	6.066%	4.265%	0.172%	0.002%		0.009%
15	Minimum System Allocation Factor		100.000%	85.435%	9.703%	4.675%	0.176%	0.002%		0.009%
16	Allocation of Low Pressure Pipe		\$306,142,722	\$261,553,034	\$29,705,028	\$14,312,172	\$538,811	\$6,123		\$27,553

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 20
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

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WITNESS: C.E. Notestone

Line No.	Description	Alloc	Total Company	RS/RDS	SGS1/SCD1/SGDS1	SGS2/SCD2/SGDS2	SDS/LGS	LDS/LGS	MDS	Flex
1	Allocation of Regulated Pressure Pipe Only									
2			<u>Footage</u>	<u>Amount</u>	<u>Unit Cost</u>					
3	2" Pipe		12,240,486	224,774,002	\$18.36					
4	All Pipe		24,483,364	764,080,756						
5	Unit Cost of 2" x All Pipe Footage			449,514,569						
6	Customer Component			58.831%						
7	Demand Component			41.169%						
8	Allocable Regulated Pressure Only Pipe		\$764,080,756							
9	Number of Customers (excl MDS)		186,354	170,035	12,998	2,996	264	46		15
10	Percent Customers		100.000%	91.242%	6.975%	1.608%	0.142%	0.025%		0.008%
11	Customer Component		58.831%	53.678%	4.103%	0.946%	0.084%	0.015%		0.005%
12	Design Day Volumes (excl MDS)		418,570	194,800	34,402	64,324	47,920	34,563		42,561
13	Percent Design Day Volumes		100.000%	46.539%	8.219%	15.368%	11.449%	8.257%		10.168%
14	Demand Component		41.169%	19.160%	3.384%	6.327%	4.713%	3.399%		4.186%
15	Minimum System Allocation Factor		100.000%	72.838%	7.487%	7.273%	4.797%	3.414%		4.191%
16	Allocation of Regulated Pressure Only Pipe		\$764,080,756	\$556,541,141	\$57,206,726	\$55,571,593	\$36,652,954	\$26,085,717		\$32,022,624

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 20
FOR THE TWELVE MONTHS ENDED NOVEMBER 30, 2019

ALLOCATED COST OF SERVICE
CUSTOMER/DEMAND

PAGE 12
WITNESS: C.E. Notestone

Line No.	Description	Alloc	Total Company	RS/RDS	SGS1/SCD1/SGDS1	SGS2/SCD2/SGDS2	SDS/LGS	LDS/LGS	MDS	Flex
1	Allocation of Remaining Regulated Pressure Pipe									
2			<u>Footage</u>	<u>Amount</u>	<u>Unit Cost</u>					
3	2" Pipe		163,489	2,850,533	\$17.44					
4	All Pipe		5,321,759	294,899,186						
5	Unit Cost of 2" x All Pipe Footage			92,811,473						
6	Customer Component			31.472%						
7	Demand Component			68.528%						
8	Allocable Remaining Regulated Pressure Pipe		\$294,899,186							
9	Number of Customers (Total Company excl MDS)		432,698	395,306	30,987	5,815	490	71		29
10	Percent Customers		100.000%	91.359%	7.161%	1.344%	0.113%	0.016%		0.007%
11	Customer Component		31.472%	28.752%	2.254%	0.423%	0.036%	0.005%		0.002%
12	Design Day Volumes (Total Company excl MDS)		792,523	452,900	78,086	110,100	59,807	44,261		47,369
13	Percent Design Day Volumes		100.000%	57.147%	9.853%	13.892%	7.546%	5.585%		5.977%
14	Demand Component		68.528%	39.162%	6.752%	9.520%	5.171%	3.827%		4.096%
15	Minimum System Allocation Factor		100.000%	67.914%	9.006%	9.943%	5.207%	3.832%		4.098%
16	Alloc. of Remaining Regulated Pressure Pipe		\$294,899,186	\$200,277,833	\$26,558,621	\$29,321,826	\$15,355,401	\$11,300,537		\$12,084,969
17	Total Minimum System Allocation Factor		\$1,384,626,083	\$1,029,517,627	\$115,392,047	\$101,915,007	\$54,018,894	\$38,481,643		\$45,300,865
			100.000%	74.354%	8.334%	7.360%	3.901%	2.779%		3.272%

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 21
HOUSE REGULATORS

All Customers Excluding Low Pressure Customers

LINE NO.	Rate	RS/RTS	SGSS1/SCD1/SGDS1	SS2/SCD2/SGI	SDS/LGS	LDS/LGS	MDS	FLEX	TOTAL
1	RC2	126,360	0	0	0	0	0	0	126,360
2	RS	2,412,586	0	0	0	0	0	0	2,412,586
3	RTC	462,997	0	0	0	0	0	0	462,997
4	LG1	0	0	0	605	0	0	0	605
5	LG2	0	0	0	451	0	0	0	451
6	LG3	0	0	0	0	12	0	0	12
7	NSI	0	0	0	0	0	12	0	12
8	SGS	0	161,454	0	0	0	0	0	161,454
9	SG2	0	0	25,856	0	0	0	0	25,856
10	SG3	0	162	0	0	0	0	0	162
11	SG4	0	0	491	0	0	0	0	491
12	TAG1	0	886	0	0	0	0	0	886
13	TAG2	0	0	2,777	0	0	0	0	2,777
14	TAG5	0	5,511	0	0	0	0	0	5,511
15	TAG6	0	0	13,655	0	0	0	0	13,655
16	TIB	0	0	0	2,635	0	0	0	2,635
17	TIF	0	0	0	0	320	0	0	320
18	TIG	0	0	0	0	36	0	0	36
19	TIH	0	0	0	0	12	0	0	12
20	TI4	0	0	0	2,040	0	0	0	2,040
21	TI8	0	0	0	0	456	0	0	456
22	TMA	0	0	0	0	0	0	0	0
23	TM1	0	0	0	0	0	12	0	12
23	TM2	0	0	0	0	0	12	0	12
24	TM3	0	0	0	0	0	0	0	0
25	TMB	0	0	0	0	0	24	0	24
26	802	0	0	0	0	0	0	0	0
27	803	0	0	0	0	0	0	0	0
28	806	0	0	0	0	0	0	0	0
29	808	0	0	0	0	0	0	12	12
30	809	0	0	0	0	0	0	24	24
31	810	0	0	0	0	0	0	24	24
32	816	0	0	0	0	0	0	12	12
33	819	0	0	0	0	0	0	12	12
34	820	0	0	0	0	0	0	12	12
35	821	0	0	0	0	0	0	0	0
36	830	0	0	0	0	0	0	12	12
37	831	0	0	0	0	0	0	0	0
38	833	0	0	0	0	0	0	12	12
39	838	0	0	0	0	0	0	12	12
40	840	0	0	0	0	0	0	12	12
41	841	0	0	0	0	0	0	12	12
42	845	0	0	0	0	0	0	12	12
43	846	0	0	0	0	0	0	12	12
44	847	0	0	0	0	0	0	12	12
45	848	0	0	0	0	0	0	0	0
46	856	0	0	0	0	0	0	12	12
47	857	0	0	0	0	0	0	12	12
48	858	0	0	0	0	0	0	0	0
49	859	0	0	0	0	0	0	12	12
50	868	0	0	0	0	0	0	12	12
51	872	0	0	0	0	0	0	12	12
52	873	0	0	0	0	0	0	12	12
53	874	0	0	0	0	0	0	0	0
54	875	0	0	0	0	0	0	12	12
55	876	0	0	0	0	0	0	12	12
56	877	0	0	0	0	0	0	12	12
57	879	0	0	0	0	0	0	12	12
58	880	0	0	0	0	0	0	12	12
59	881	0	0	0	0	0	0	12	12
60	SCC	0	64,370	0	0	0	0	0	64,370
61	SC2	0	0	11,274	0	0	0	0	11,274
62	Total	3,001,943	232,383	54,053	5,731	836	60	336	3,295,342
63	ALLOCATOR #21	91.097%	7.052%	1.640%	0.174%	0.025%	0.002%	0.010%	100.000%

**COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 22
AVERAGE ALLOCATORS 5 & 20**

LINE NO.		<u>RSS/RDS</u>	<u>SGS/DS-1</u>	<u>SGS/DS-2</u>	<u>SDS/LGSS</u>	<u>LDS/LGSS</u>	<u>FLEX</u>	TOTAL
1	ALLOCATOR #5	720,080,954	117,797,892	174,040,067	114,330,635	130,527,585	127,848,949	1,384,626,083
2	ALLOCATOR #20	<u>1,029,517,627</u>	<u>115,392,047</u>	<u>101,915,007</u>	<u>54,018,894</u>	<u>38,481,643</u>	<u>45,300,865</u>	<u>1,384,626,083</u>
3	TOTAL	1,749,598,581	233,189,939	275,955,074	168,349,529	169,009,228	173,149,814	2,769,252,166
4	AVERAGE	874,799,291	116,594,970	137,977,537	84,174,764	84,504,614	86,574,907	1,384,626,083
5	ALLOCATOR #22	63.179%	8.421%	9.965%	6.079%	6.103%	6.253%	100.000%

**COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 23
METERS AND HOUSE REGULATORS - ACCOUNTS 381, 382, 383, & 384**

LINE NO.	ACCT. NO.	ACCOUNT	TOTAL	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX
1	381.00	METERS	41,437,254	31,351,841	6,063,928	3,576,035	341,029	78,731	2,486	23,205
2	381.10	AUTOMATIC METER READING	24,576,594	18,594,897	3,596,539	2,120,960	202,265	46,696	1,475	13,763
3	381.10	AUTOMATIC METER READING	417,168	-	-	-	343,880	49,326	3,525	20,437
3	382.00	METER INSTALLATIONS	44,245,934	33,476,916	6,474,950	3,818,424	364,144	84,067	2,655	24,778
4	383.00	HOUSE REGULATORS	14,221,040	12,954,941	1,002,868	233,225	24,745	3,555	284	1,422
5	384.00	HOUSE REG INSTALLATIONS	<u>3,521,874</u>	<u>3,208,322</u>	<u>248,363</u>	<u>57,759</u>	<u>6,128</u>	<u>881</u>	<u>70</u>	<u>352</u>
6		TOTAL	128,419,864	99,586,916	17,386,647	9,806,403	1,282,191	263,255	10,496	83,957
7		ALLOCATOR #23	100.000%	77.549%	13.539%	7.636%	0.998%	0.205%	0.008%	0.065%

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 24
LABOR

LINE NO.	ACCT. NO.	ACCOUNT	ALLOC FACTOR	TOTAL COMPANY	RSS/RDS	SGS/DS-1	SGS/DS-2	SDS/LGSS	LDS/LGSS	MLDS	FLEX
1	816.00	WELLS	25	-	-	-	-	-	-	-	-
2	817.00	LINES	25	-	-	-	-	-	-	-	-
3	818.00	COMPRESSOR STATION	25	-	-	-	-	-	-	-	-
4	820.00	M & R	25	101,194	74,664	11,785	12,286	2,309	-	150	-
5	821.00	PURIFICATION	25	-	-	-	-	-	-	-	-
6	832.00	WELLS	25	-	-	-	-	-	-	-	-
7	834.00	COMPRESSOR STATION	25	-	-	-	-	-	-	-	-
8	836.00	PURIFICATION	25	-	-	-	-	-	-	-	-
9	870.00	SUPERVISION & ENGINEERING	18	3,350,398	2,433,193	276,307	236,103	136,897	134,049	168	133,681
10	871.00	LOAD DISPATCHING	13	112,672	71,178	9,487	11,227	6,848	6,875	8	7,049
11	874.00	MAINS & SERVICES	14	7,175,194	5,036,197	582,482	561,029	330,059	328,480	359	336,588
12	875.00	M & R - GENERAL	13	258,331	163,196	21,752	25,740	15,701	15,763	18	16,161
13	876.00	M & R - INDUSTRIAL	17	167,559	-	3,159	24,685	52,099	51,622	-	35,995
14	878.00	METERS & HOUSE REGULATORS	23	1,646,086	1,276,523	222,864	125,695	16,428	3,375	132	1,070
15	879.00	CUSTOMER INSTALLATIONS	15	3,739,777	3,403,645	270,087	54,264	7,928	2,057	-	1,795
16	880.00	OTHER	18	2,782,923	2,021,070	229,508	196,113	113,710	111,345	139	111,039
17	885.00	SUPERVISION & ENGINEERING	18	115,306	83,740	9,509	8,126	4,711	4,613	6	4,601
18	886.00	STRUCTURES AND IMPROVEMENTS	13	11,186	7,066	942	1,115	680	683	1	700
19	887.00	MAINS	13	3,614,241	2,283,224	304,319	360,123	219,674	220,541	253	226,107
20	889.00	M & R - GENERAL	13	379,766	239,910	31,976	37,840	23,082	23,173	27	23,758
21	890.00	M & R - INDUSTRIAL	17	49,378	-	931	7,274	15,353	15,213	-	10,608
22	892.00	SERVICES	15	1,635,187	1,488,216	118,093	23,727	3,467	899	-	785
23	893.00	METERS & HOUSE REGULATORS	23	223,699	173,476	30,287	17,082	2,233	459	18	145
24	894.00	OTHER EQUIPMENT	18	391,782	284,528	32,310	27,609	16,008	15,675	20	15,632
25	902.00	METER READING	6	303,223	277,319	21,468	4,027	337	49	3	21
26	903.00	CUSTOMER RECORDS AND COLLECTION EXPENSES	6	923,726	844,812	65,400	12,267	1,025	148	9	65
25	920.00	SALARIES	19	2,973,840	2,238,023	242,517	187,828	104,263	100,665	178	100,367
26	921.00	OFFICE SUPPLIES & EXPENSES	19	169,865	127,835	13,853	10,729	5,956	5,750	10	5,733
27	923.00	OUTSIDE SERVICES EMPLOYED	19	-	-	-	-	-	-	-	-
28		TOTAL		30,125,334	22,527,816	2,499,034	1,944,886	1,078,768	1,041,433	1,497	1,031,900
29		ALLOCATOR #24		100.000%	74.781%	8.295%	6.456%	3.581%	3.457%	0.005%	3.425%

COLUMBIA GAS OF PENNSYLVANIA, INC.
DEVELOPMENT OF ALLOCATION FACTOR 26
Other Automated Metering

	<u>RSS/RDS</u>	<u>SGS-1</u>	<u>SGS-2</u>	<u>SDS/LGSS</u>	<u>LDS/LGSS</u>	<u>MLDS</u>	<u>FLEX</u>	<u>Total</u>
Allocation Factor #6	400,577	31,009	5,815	488	70	5	29	437,993
Less: Residential Customers	(400,577)	0	0	0	0	0	0	(400,577)
Less: SGSS1/SCD1/SGDS1	0	(31,009)	0	0	0	0	0	(31,009)
Less: SGSS2/SCD2/SGDS2	<u>0</u>	<u>0</u>	<u>(5,815)</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>(5,815)</u>
Total	0	0	0	488	70	5	29	592
ALLOCATOR #26	0.000%	0.000%	0.000%	82.432%	11.824%	0.845%	4.899%	100.000%

CERTIFICATE OF SERVICE

I hereby certify that true and correct copies of the foregoing have been served upon the following persons, in the manner indicated, in accordance with the requirements of § 1.54 (relating to service by a participant).

VIA E-MAIL ONLY

Erica McLain, Esquire
Bureau of Investigation
and Enforcement
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17120
ermclain@pa.gov

Daniel G. Asmus, Esquire
Steve Gray, Esquire
Office of Small Business Advocate
300 North Second Street
Suite 1102
Harrisburg, PA 17101
dasmus@pa.gov
SGray@pa.gov

Darryl Lawrence, Esquire
Laura Antinucci, Esquire
Barrett Sheridan, Esquire
Office of Consumer Advocate
555 Walnut Street
5th Floor, Forum Place
Harrisburg, PA 17101-1923
DLawrence@paoca.org
LAntinucci@paoca.org,
BSheridan@paoca.org

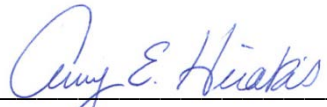
Joseph L. Vullo, Esquire
Burke Vullo Reilly Roberts
1460 Wyoming Avenue
Forty Fort, PA 18704
jlvullo@aol.com

Elizabeth R. Marx, Esquire
Ria M. Pereira, Esquire
John W. Sweet, Esquire
Pennsylvania Utility Law Project
118 Locust Street
Harrisburg, PA 17101
pulp@palegalaid.net
emarxpulp@palegalaid.net

Charis Mincavage, Esquire
Kenneth R. Stark, Esquire
McNEES WALLACE & NURICK LLC
100 Pine Street, P.O. Box 1166
Harrisburg, PA 17108-1166
cmincavage@mcneeslaw.com
kstark@mcneeslaw.com

Dr. Richard Collins
440 Monmouth Drive
Cranberry Township, PA 16066-5756
richardcollins@consolidated.net

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Amy E. Hirakis