

RESPONSE OF COLUMBIA GAS OF MASSACHUSETTS TO THE
FIRST SET OF INFORMATION REQUESTS FROM THE
DEPARTMENT OF PUBLIC UTILITIES

Responsible: Chun-Yi Lai, Manager Regulatory

DPU-1-6-CMA: Local Gas Distribution Companies refer to Attachment B, Table 3.

(a) Please provide the information specified in columns B through G, and columns J through M (see instructions provided at the bottom of the worksheet).

(b) Also provide any relevant supporting documentation that was used to calculate values entered into Table 3.

Response: (a) Please see Attachment B DPU-1-6-CMA.

(b) Please see Attachment B DPU-1-6-CMA Back up Schedule for the supporting documentation used to calculate values entered in Columns F & L. The incremental costs from DPU-1-5-CMA were very minimal and would not have changed the RAAF's that were in effect.

Table 3 2019 and 2020 Rate and Bill Impacts on the RAAF Resulting from the Competitive Supply Market

Line Number	Service Territory/Area	Customer Rate Class	Actual 2019 RAAF (\$/therm)	Actual 2019 RAAF Typical Monthly Customer Bill Impact (\$)	Illustrative 2019 RAAF (\$/therm)	Illustrative 2019 RAAF Typical Monthly Customer Bill Impact (\$)	Incremental Rate Impact of Competitive Supply Market on RAAF (\$/therm)	Incremental Typical Monthly Bill Impact of Competitive Supply Market on RAAF (\$)	Actual 2020 RAAF (\$/therm)	Actual 2020 RAAF Typical Monthly Customer Bill Impact (\$)	Illustrative 2020 RAAF (\$/therm)	Illustrative 2020 RAAF Typical Monthly Customer Bill Impact (\$)	Incremental Rate Impact of Competitive Supply Market on RAAF (\$/therm)	Incremental Typical Monthly Bill Impact of Competitive Supply Market on RAAF (\$)
1	All	R-1	\$0.04140	\$0.66	\$0.04140	\$0.66	\$0.00000	\$0.00	\$0.04060	\$0.64	\$0.04060	\$0.64	\$0.00000	\$0.00
2	All	R-2	\$0.04140	\$0.80	\$0.04140	\$0.80	\$0.00000	\$0.00	\$0.04060	\$0.79	\$0.04060	\$0.79	\$0.00000	\$0.00
3	All	R-3	\$0.04140	\$3.33	\$0.04140	\$3.33	\$0.00000	\$0.00	\$0.04060	\$3.26	\$0.04060	\$3.26	\$0.00000	\$0.00
4	All	R-4	\$0.04140	\$3.35	\$0.04140	\$3.35	\$0.00000	\$0.00	\$0.04060	\$3.28	\$0.04060	\$3.28	\$0.00000	\$0.00
5	All	G-40	\$0.03610	\$4.10	\$0.03610	\$4.10	\$0.00000	\$0.00	\$0.03720	\$4.23	\$0.03720	\$4.23	\$0.00000	\$0.00
6	All	G-41	\$0.02150	\$20.53	\$0.02150	\$20.53	\$0.00000	\$0.00	\$0.02120	\$20.24	\$0.02120	\$20.24	\$0.00000	\$0.00
7	All	G-42	\$0.01820	\$106.39	\$0.01820	\$106.39	\$0.00000	\$0.00	\$0.01730	\$101.13	\$0.01730	\$101.13	\$0.00000	\$0.00
8	All	G-43	\$0.01260	\$611.41	\$0.01260	\$611.41	\$0.00000	\$0.00	\$0.01180	\$572.59	\$0.01180	\$572.59	\$0.00000	\$0.00
9	All	G-50	\$0.03610	\$4.17	\$0.03610	\$4.17	\$0.00000	\$0.00	\$0.03720	\$4.30	\$0.03720	\$4.30	\$0.00000	\$0.00
10	All	G-51	\$0.02150	\$22.12	\$0.02150	\$22.12	\$0.00000	\$0.00	\$0.02120	\$21.81	\$0.02120	\$21.81	\$0.00000	\$0.00
11	All	G-52	\$0.01820	\$142.44	\$0.01820	\$142.44	\$0.00000	\$0.00	\$0.01730	\$135.40	\$0.01730	\$135.40	\$0.00000	\$0.00
12	All	G-53	\$0.01260	\$765.77	\$0.01260	\$765.77	\$0.00000	\$0.00	\$0.01180	\$717.15	\$0.01180	\$717.15	\$0.00000	\$0.00
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														

Instructions for Data Entry Cells

- Column B** If applicable, please list the Service Territory/Area in which the rate classes listed in Column C exists
- Column C** Please list each customer rate class the company has that is subject to the RAAF
- Column D** Please list the RAAFs that were in effect for each rate class for the majority of 2019
- Column E** Please list the expected monthly bill impacts for a typical customer resulting from the RAAFs that were in effect for the majority of 2019
- Column F** Using the incremental cost data as calculated in Columns K and O of Table 2, please list the RAAFs that would have been in effect for each rate class for the majority of 2019 had all low-income customers been on default service
- Column G** Using the illustrative RAAFs from Column F, please list the typical monthly customer bill impacts that would have been calculated for each rate class for the majority of 2019 had all low-income customers been on default service
- Column J** Please list the RAAFs that are in effect for each rate class for the majority of 2020
- Column K** Please list the expected monthly bill impacts for a typical customer resulting from the RAAFs that are in effect for the majority of 2020
- Column L** Using the incremental cost data as calculated in Columns K and O of Table 2, please list the RAAFs that would have been in effect for each rate class for the majority of 2020 had all low-income customers been on default service
- Column M** Using the illustrative RAAFs from Column L, please list the typical monthly customer bill impacts that would have been calculated for each rate class for the majority of 2020 had all low-income customers been on default service

**RAAF Rate Calculation
Based on Distribution Revenues**

	TOTAL	R-1/R-2	R-3/R4	G-40	G-41	G-42	G-43	G-50	G-51	G-52	G-53
Docket DPU 15-50 Step Adjustment											
Final Distribution Target Revenue *	\$242,311,452	6,319,669	156,387,706	17,142,864	20,655,767	13,639,588	\$4,651,647	2,612,577	6,266,096	4,466,185	10,169,352
Allocation	100.0%	2.6%	64.5%	7.1%	8.5%	5.6%	1.9%	1.1%	2.6%	1.8%	4.2%
Residential Assistance Adjustment Factor - RAAF Recovery Amount Allocation	\$16,155,660										
Incremental Costs (D.P.U. 19-04, DPU 1-5, Columns K & O)	\$2,244										
Residential Assistance Adjustment Factor - RAAF Recovery Amount Allocation, plus incremental costs	\$16,157,904	\$421,411	\$10,428,304	\$1,143,127	\$1,377,376	\$909,520	\$310,183	\$174,213	\$417,838	\$297,816	\$678,117
Schedule 3 Sales Volumes--November 2019-October 2020		365,263	26,337,952	3,026,254	5,708,572	3,798,842	904,557	461,993	2,255,504	1,700,775	2,486,815
Schedule 3 Transportation Volumes--November 2019-October 2020				43,498	416,947	899,091	1,448,581	7,247	87,672	568,756	3,508,996
Schedule 3 Total Volumes--November 2019-October 2020		365,263	26,337,952	3,069,752	6,125,519	4,697,933	2,353,138	469,240	2,343,176	2,269,531	5,995,811

RATE SECTOR RATE CALCULATION

		Residential Sector	G-40 & G-50	G-41 & G-51	G-42 & G-52	G-43 & G-53
Final Distribution Target Revenue Allocation**	\$242,311,452	162,707,375 67.148%	19,755,441 8.153%	26,921,863 11.110%	18,105,773 7.472%	14,821,000 6.117%
Residential Assistance Adjustment Factor - RAAF Recovery Allocation (MMBtu)	\$16,157,904	\$10,849,715	\$1,317,340	\$1,795,214	\$1,207,336	\$988,300
Schedule 3 Sales Volumes--November 2019-October 2020		26,703,215	3,488,247	7,964,076	5,499,617	3,391,372
Schedule 3 Transportation Volumes--November 2019-October 2020		0	50,745	504,619	1,467,847	4,957,577
Schedule 3 Total Volumes--November 2019-October 2020	\$54,027,315	26,703,215	3,538,992	8,468,695	6,967,464	8,348,949
Billing Rate per Dth	\$0.2991	\$0.4063	\$0.3722	\$0.2120	\$0.1733	\$0.1184
Billing Rate per Therm	\$0.0299	\$0.0406	\$0.0372	\$0.0212	\$0.0173	\$0.0118

* Schedule 11 Compliance Filing
** M.D.P.U. No. 323, 2.03

**RAAF Rate Calculation
Based on Distribution Revenues**

Docket DPU 15-50 Step Adjustment	TOTAL	R-1/R-2	R-3/R4	G-40	G-41	G-42	G-43	G-50	G-51	G-52	G-53
Final Distribution Target Revenue *	\$242,311,452	6,319,669	156,387,706	17,142,864	20,655,767	13,639,588	\$4,651,647	2,612,577	6,266,096	4,466,185	10,169,352
Allocation	100.0%	2.6%	64.5%	7.1%	8.5%	5.6%	1.9%	1.1%	2.6%	1.8%	4.2%
Residential Assistance Adjustment Factor - RAAF Recovery Amount Allocation	\$16,230,213										
Incremental Costs (D.P.U. 19-04, DPU 1-5, Columns K & O)	\$2,244										
Residential Assistance Adjustment Factor - RAAF Recovery Amount Allocation, plus incremental costs	\$16,232,457	\$423,355	\$10,476,421	\$1,148,401	\$1,383,731	\$913,717	\$311,614	\$175,017	\$419,766	\$299,190	\$681,245
Schedule 3 Sales Volumes--November 2018-October 2019		385,429	25,957,943	3,102,173	5,492,381	3,440,647	820,424	505,801	2,303,157	1,683,435	2,404,560
Schedule 3 Transportation Volumes--November 2018-October 2019				44,564	461,006	862,788	1,210,010	9,453	124,033	668,985	3,461,586
Schedule 3 Total Volumes--November 2018-October 2019		385,429	25,957,943	3,146,737	5,953,387	4,303,435	2,030,434	515,254	2,427,190	2,352,420	5,866,146

RATE SECTOR RATE CALCULATION

	TOTAL	Residential Sector				
		G-40 & G-50	G-41 & G-51	G-42 & G-52	G-43 & G-53	
Final Distribution Target Revenue	\$242,311,452	162,707,375	19,755,441	26,921,863	18,105,773	14,821,000
Allocation**		67.148%	8.153%	11.110%	7.472%	6.117%
Residential Assistance Adjustment Factor - RAAF Recovery Allocation (MMBtu)	\$16,232,457	\$10,899,775	\$1,323,418	\$1,803,497	\$1,212,907	\$992,860
Schedule 3 Sales Volumes--November 2018-October 2019		26,343,372	3,607,974	7,795,538	5,124,082	3,224,984
Schedule 3 Transportation Volumes--November 2018-October 2019		0	54,017	585,039	1,531,773	4,671,596
Schedule 3 Total Volumes--November 2018-October 2019	\$52,938,375	26,343,372	3,661,991	8,380,577	6,655,855	7,896,580
Billing Rate per Dth	\$0.3066	\$0.4138	\$0.3614	\$0.2152	\$0.1822	\$0.1257
Billing Rate per Therm	\$0.0307	\$0.0414	\$0.0361	\$0.0215	\$0.0182	\$0.0126

* Schedule 11 Compliance Filing
** M.D.P.U. No. 252, 2.03