

53.64 (c) (14)

Analysis and data demonstrating, on a historic and projected future basis, the minimum gas entitlements needed to provide reliable and uninterrupted service to priority one customers during peak periods.

Response:

The following table shows the estimated requirements of Human Need type customers under actual (historical) or design (projected) peak day conditions.

Columbia Gas of Pennsylvania Estimated Human Needs Requirements (Quantities in MDth)									
	Historical				Projected				
	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
Temperature in °F	10	15	9	5	-5	-5	-5	-5	-5
Residential									
Sales	238.5	218.6	247.9	295.1	326.3	335.2	340.3	345.6	350.3
Choice	<u>87.7</u>	<u>78.8</u>	<u>105.1</u>	<u>112.0</u>	<u>123.9</u>	<u>123.5</u>	<u>123.1</u>	<u>122.8</u>	<u>122.5</u>
Subtotal	326.2	297.4	353.0	407.1	450.2	458.7	463.4	468.4	472.8
Commercial									
Sales	20.4	19.5	22.1	28.9	30.0	30.6	31.4	32.0	32.6
Choice	2.5	2.4	2.7	3.5	3.5	3.6	3.6	3.6	3.6
GTS Human Needs	<u>34.6</u>	<u>33.7</u>	<u>37.0</u>	<u>30.7</u>	<u>30.7</u>	<u>30.7</u>	<u>30.7</u>	<u>30.7</u>	<u>30.7</u>
Subtotal	57.5	55.6	61.8	63.1	64.2	64.9	65.7	66.3	66.9
Industrial									
Sales	0.7	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7
Choice	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GTS Human Needs	<u>0.1</u>	<u>0.1</u>	<u>0.1</u>	<u>0.1</u>	<u>0.1</u>	<u>0.1</u>	<u>0.1</u>	<u>0.1</u>	<u>0.1</u>
Subtotal	0.8	0.7	0.8	0.7	0.8	0.8	0.8	0.8	0.8
Other	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Total Human Needs	386.3	355.5	416.8	472.1	516.4	525.6	531.1	536.7	541.7

It should be noted that CPA is obligated to provide reliable and uninterrupted service to other customer requirements in addition to those considered to be "Human Needs". CPA's current estimate of total firm obligation on a design peak day for each of the next five years is contained on a Schedule 1 of CPA's 2014 Design Day Forecast as provided with Exhibit No. 13.