

**Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service**

COS 1. Please explain the Company’s policy with regard to when customer advances and contributions in aid of construction must be made.

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For the current policy, refer to Peoples Natural Gas - Tariff No. 45, Section 4 in the Rules and Regulations titled “Connections for Service – Extension of Facilities” and Peoples Natural Gas-Equitable Division – Tariff No. 46, Section 1.2 in the Rules and Regulations titled “Applications For Service Extension of Mains” located in Exhibit 14, Schedule 1.

For the proposed policy, refer to proposed Peoples Natural Gas - Tariff No. 47, Section 4 in the Rules and Regulations titled “Connections for Service – Extension of Facilities” located in Exhibit 14, Schedule 1.

Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service

COS 2. Please provide a detailed explanation describing how contributions in aid of construction and customer advances are reflected in the Company's cost of service study.

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Contributions in aid of construction and customer advances are reflected in Peoples' cost of service studies as reductions to Peoples' plant account balances.

**Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service**

COS 3. Please provide a breakdown of contributions in aid of construction by customer class and plant account number for the most recent year available.

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**Peoples Natural Gas Company LLC
Peoples Division
Contributions in Aid of Construction
Oct 1, 2017 thru Sep 30, 2018**

Class	FERC	Amount
Commercial	376	(314,721.49)
Residential	376	(69,766.00)
Total		(384,487.49)

**Peoples Natural Gas Company LLC
Equitable Division
Contributions in Aid of Construction
Oct 1, 2017 thru Sep 30, 2018**

Class	FERC	Amount
Commercial	376	(124,810.47)
Residential	376	(1,042.00)
Commercial	380	(13,555.00)
Total		(139,407.47)

**Peoples Natural Gas Company LLC
Combined
Contributions in Aid of Construction
Oct 1, 2017 thru Sep 30, 2018**

Class	FERC	Amount
Commercial	376	(439,531.96)
Residential	376	(70,808.00)
Commercial	380	(13,555.00)
Total		(523,894.96)

**Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service**

COS 4. Please provide a breakdown of transmission and distribution mains investment by pipe diameter.

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Refer to pages 2 through 4 for transmission mains and pages 5 through 7 for distribution mains for the Peoples Division, the Equitable Division and the Combined Divisions.

**Peoples Natural Gas Company LLC
Peoples Division**

Transmission Mains at September 30, 2018

Diameter	Quantity (ft)	Amount
PIPE 2" PLASTIC	30,494.0	\$361,519.29
PIPE 2" STEEL	51,494.0	\$535,566.49
PIPE 3" PLASTIC	31,012.0	\$264,457.21
PIPE 3" STEEL	64,908.0	\$131,631.05
PIPE 4" PLASTIC	103,709.0	\$2,052,905.54
PIPE 4" STEEL	231,274.0	\$1,106,548.64
PIPE 5" STEEL	51,529.0	\$40,873.79
PIPE 6" PLASTIC	147,769.0	\$4,883,884.46
PIPE 6" STEEL	656,424.0	\$5,233,376.77
PIPE 7" STEEL	18,432.0	\$58,377.92
PIPE 8" IRON	8,306.0	\$43,679.52
PIPE 8" PLASTIC	60,893.0	\$4,518,574.48
PIPE 8" STEEL	989,411.0	\$9,584,250.02
PIPE 9" IRON	9.0	\$18.62
PIPE 9" STEEL	1,444.0	\$1,933.41
PIPE 10" PLASTIC	584.0	\$172,345.32
PIPE 10" STEEL	592,722.7	\$8,270,049.29
PIPE 11" STEEL	3,889.0	\$47,749.53
PIPE 12" PLASTIC	50,271.0	\$4,163,654.09
PIPE 12" STEEL	1,034,261.6	\$37,007,706.58
PIPE 14" STEEL	200,508.0	\$1,994,533.13
PIPE 15" STEEL	100.0	\$232.54
PIPE 16" STEEL	62,325.0	\$3,385,150.27
PIPE 18" STEEL	83.0	\$457.80
PIPE 20" STEEL	161,337.9	\$13,969,208.42
PIPE 24" STEEL	262.0	\$17,214.53
PIPE 30" STEEL	120.0	\$63,563.47
OTHER LINE EQUIPMENT		\$18,238,292.49
	4,555,704.2	\$116,147,754.67

Peoples Natural Gas Company LLC
Equitable Division

Transmission Mains at September 30, 2018

Diameter	Quantity (ft)	Amount
PIPE 2" PLASTIC	40.0	\$182.01
PIPE 2" STEEL	7.0	\$465.96
PIPE 3" PLASTIC	1,262.0	\$67,835.55
PIPE 3" STEEL	4.0	\$228.77
PIPE 4" PLASTIC	5,423.0	\$233,580.97
PIPE 4" STEEL	1,635.0	\$19,169.28
PIPE 6" PLASTIC	305.0	\$9,242.90
PIPE 6" STEEL	156.0	\$19,752.99
PIPE 8" PLASTIC	4,682.0	\$292,348.32
PIPE 8" STEEL	94,364.0	\$2,765,683.47
PIPE 10" STEEL	151,357.0	\$1,817,494.61
PIPE 12" STEEL	233,973.0	\$8,640,737.18
PIPE 16" STEEL	119,506.0	\$2,338,710.10
PIPE 20" STEEL	50,466.0	\$2,029,846.51
PIPE 24" STEEL	36.0	\$911.64
OTHER LINE EQUIPMENT		\$2,095,990.99
	663,216.0	\$20,332,181.25

**Peoples Natural Gas Company LLC
Combined Divisions**

Transmission Mains at September 30, 2018

Diameter	Quantity (ft)	Amount
PIPE 2" PLASTIC	30,534.0	\$361,701.30
PIPE 2" STEEL	51,501.0	\$536,032.45
PIPE 3" PLASTIC	32,274.0	\$332,292.76
PIPE 3" STEEL	64,912.0	\$131,859.82
PIPE 4" PLASTIC	109,132.0	\$2,286,486.51
PIPE 4" STEEL	232,909.0	\$1,125,717.92
PIPE 5" STEEL	51,529.0	\$40,873.79
PIPE 6" PLASTIC	148,074.0	\$4,893,127.36
PIPE 6" STEEL	656,580.0	\$5,253,129.76
PIPE 7" STEEL	18,432.0	\$58,377.92
PIPE 8" IRON	8,306.0	\$43,679.52
PIPE 8" PLASTIC	65,575.0	\$4,810,922.80
PIPE 8" STEEL	1,083,775.0	\$12,349,933.49
PIPE 9" IRON	9.0	\$18.62
PIPE 9" STEEL	1,444.0	\$1,933.41
PIPE 10" PLASTIC	584.0	\$172,345.32
PIPE 10" STEEL	744,079.7	\$10,087,543.90
PIPE 11" STEEL	3,889.0	\$47,749.53
PIPE 12" PLASTIC	50,271.0	\$4,163,654.09
PIPE 12" STEEL	1,268,234.6	\$45,648,443.76
PIPE 14" STEEL	200,508.0	\$1,994,533.13
PIPE 15" STEEL	100.0	\$232.54
PIPE 16" STEEL	181,831.0	\$5,723,860.37
PIPE 18" STEEL	83.0	\$457.80
PIPE 20" STEEL	211,803.9	\$15,999,054.93
PIPE 24" STEEL	298.0	\$18,126.17
PIPE 30" STEEL	120.0	\$63,563.47
OTHER LINE EQUIPMENT		\$20,334,283.48
	5,218,920.20	\$136,479,935.92

Peoples Natural Gas Company LLC
Peoples Division

Distribution Mains at September 30, 2018

Diameter	Low Pressure Quantity (ft)	Low Pressure Amount	Regulated Pressure Quantity (ft)	Regulated Pressure Amount
PIPE 2" PLASTIC	488,229.0	\$11,506,345.11	3,414,710.6	\$33,192,389.03
PIPE 2" STEEL	1,187,725.0	\$1,673,027.41	2,057,965.0	\$5,039,351.09
PIPE 3" PLASTIC	797,808.0	\$25,934,452.71	2,020,778.0	\$29,071,493.79
PIPE 3" STEEL	1,949,412.6	\$5,540,079.47	1,406,631.0	\$4,886,192.69
PIPE 4" PLASTIC	1,931,313.0	\$120,190,633.32	2,443,102.7	\$63,375,889.17
PIPE 4" STEEL	4,839,639.0	\$17,246,740.45	1,911,602.0	\$8,503,320.46
PIPE 5" STEEL	395,362.0	\$513,930.11	164,182.0	\$233,235.86
PIPE 6" OTHER	0.0	\$0.00	113.0	\$19,627.50
PIPE 6" PLASTIC	743,538.0	\$81,327,088.35	1,365,292.5	\$52,819,516.92
PIPE 6" STEEL	2,294,408.9	\$14,184,103.25	1,460,613.0	\$11,653,958.55
PIPE 7" PLASTIC	6.0	\$25.19	0.0	\$0.00
PIPE 7" STEEL	23,993.0	\$83,116.66	17,164.0	\$24,191.03
PIPE 8" OTHER	0.0	\$0.00	2,884.0	\$96,273.69
PIPE 8" PLASTIC	108,747.2	\$22,828,267.11	436,268.7	\$33,901,889.09
PIPE 8" STEEL	691,025.0	\$6,693,230.22	1,352,840.0	\$12,571,472.51
PIPE 9" STEEL	20.0	\$33.99	2,570.0	\$7,444.94
PIPE 10" PLASTIC	5,412.0	\$649,800.12	45,084.0	\$4,700,835.68
PIPE 10" STEEL	124,963.0	\$1,831,914.34	445,214.0	\$4,622,535.09
PIPE 11" STEEL	27.0	\$1.89	0.0	\$0.00
PIPE 12" PLASTIC	21,525.0	\$9,042,095.70	110,369.0	\$21,042,679.61
PIPE 12" STEEL	69,126.0	\$1,481,164.38	374,570.0	\$11,736,190.67
PIPE 13" STEEL	0.0	\$0.00	110.0	\$585.66
PIPE 14" STEEL	4,898.0	\$19,755.02	51,568.0	\$379,255.75
PIPE 16" STEEL	3,688.0	\$84,289.77	128,694.0	\$6,731,860.42
PIPE 18" STEEL	0.0	\$0.00	448.0	\$1,226.36
PIPE 19" STEEL	700.0	\$1,697.36	200.0	\$478.76
PIPE 20" STEEL	627.0	\$15,790.52	91,634.0	\$2,453,365.74
PIPE 24" STEEL	0.0	\$0.00	14,557.0	\$1,588,587.35
PIPE 30" STEEL	0.0	\$0.00	576.0	\$2,531.12
OTHER LINE EQUIPMENT		\$2,027,526.54		\$25,633,628.90
	15,682,192.7	\$322,875,108.99	19,319,740.5	\$334,290,007.43

Peoples Natural Gas Company LLC
Equitable Division

Distribution Mains at September 30, 2018

Diameter	Low Pressure Quantity (ft)	Low Pressure Amount	Regulated Pressure Quantity (ft)	Regulated Pressure Amount
PIPE 2" IRON	8,678.0	\$10,303.26	3.0	\$6.60
PIPE 2" PLASTIC	337,339.0	\$16,729,679.61	2,423,012.0	\$103,253,654.37
PIPE 2" STEEL	228,594.0	\$1,024,877.68	323,642.0	\$3,506,703.21
PIPE 3" IRON	31,638.0	\$40,432.81	361.0	\$603.02
PIPE 3" PLASTIC	619,009.0	\$33,309,260.11	2,112,884.0	\$90,133,117.79
PIPE 3" STEEL	504,712.0	\$2,418,656.07	1,014,578.0	\$8,257,485.22
PIPE 4" IRON	67,108.0	\$80,500.86	730.0	\$2,768.61
PIPE 4" PLASTIC	930,474.0	\$70,318,960.20	1,560,552.0	\$74,659,970.71
PIPE 4" STEEL	864,593.0	\$4,504,143.87	841,181.0	\$14,274,916.03
PIPE 5" IRON	2,707.0	\$2,825.02	0.0	\$0.00
PIPE 5" STEEL	43,808.0	\$117,692.78	19,918.0	\$90,646.01
PIPE 5" PLASTIC	4.0	\$163.34	1.0	\$33.47
PIPE 6" IRON	95,948.0	\$129,150.25	150.0	\$415.34
PIPE 6" PLASTIC	696,780.0	\$62,229,440.23	844,786.0	\$47,571,636.61
PIPE 6" STEEL	684,498.0	\$4,342,055.85	576,645.0	\$6,785,961.82
PIPE 7" PLASTIC	352.0	\$14,436.22	10.0	\$454.10
PIPE 7" STEEL	53,867.0	\$147,095.54	27,114.0	\$93,077.12
PIPE 8" IRON	28,677.0	\$53,255.30	4,403.0	\$4,848.54
PIPE 8" PLASTIC	223,190.0	\$34,155,338.54	524,178.0	\$30,233,891.73
PIPE 8" STEEL	244,930.0	\$2,743,134.41	576,978.0	\$9,616,003.13
PIPE 10" IRON	8,166.0	\$12,866.58	636.0	\$1,407.15
PIPE 10" PLASTIC	96.0	\$6,832.63	463.0	\$15,331.61
PIPE 10" STEEL	86,850.0	\$1,751,867.18	156,223.0	\$3,534,031.94
PIPE 12" IRON	6,148.0	\$13,356.60	7,980.0	\$17,621.80
PIPE 12" PLASTIC	4,918.0	\$2,236,630.88	19,161.0	\$911,505.84
PIPE 12" STEEL	90,541.0	\$3,248,399.62	516,013.0	\$9,986,969.06
PIPE 14" STEEL	0.0	\$0.00	571.0	\$1,366.46
PIPE 16" IRON	1,248.0	\$2,759.53	0.0	\$0.00
PIPE 16" STEEL	27,064.0	\$860,114.98	363,096.0	\$7,308,389.51
PIPE 20" STEEL	3,837.0	\$149,881.05	328,210.0	\$9,426,629.25
PIPE 20" IRON	13,517.0	\$29,828.98	22,251.0	\$47,495.47
PIPE 24" STEEL	2,717.0	\$68,637.52	117,564.0	\$3,550,451.02
PIPE 24" IRON	39,193.0	\$86,734.11	27,453.0	\$49,195.30
PIPE 30" STEEL	986.0	\$26,214.55	56,569.0	\$980,587.44
PIPE 30" IRON	18,119.0	\$40,090.10	11,442.0	\$25,316.57
PIPE 36" STEEL	642.0	\$17,263.94	1,501.0	\$1,438.16
PIPE 36" IRON	18,983.0	\$41,940.49	650.0	\$1,438.19
OTHER LINE EQUIPMENT	0.0	\$9,400,617.76	0.0	\$1,843,595.81
	5,989,931.0	\$250,365,438.45	12,480,909.0	\$426,188,964.01

Peoples Natural Gas Company LLC
Combined Divisions

Distribution Mains at September 30, 2018

Diameter	Low Pressure Quantity (ft)	Low Pressure Amount	Regulated Pressure Quantity (ft)	Regulated Pressure Amount
PIPE 2" IRON	8,678.0	\$10,303.26	3.0	\$6.60
PIPE 2" PLASTIC	825,568.0	\$28,236,024.72	5,837,722.6	\$136,446,043.40
PIPE 2" STEEL	1,416,319.0	\$2,697,905.09	2,381,607.0	\$8,546,054.30
PIPE 3" IRON	31,638.0	\$40,432.81	361.0	\$603.02
PIPE 3" PLASTIC	1,416,817.0	\$59,243,712.82	4,133,662.0	\$119,204,611.58
PIPE 3" STEEL	2,454,124.6	\$7,958,735.54	2,421,209.0	\$13,143,677.91
PIPE 4" IRON	67,108.0	\$80,500.86	730.0	\$2,768.61
PIPE 4" PLASTIC	2,861,787.0	\$190,509,593.52	4,003,654.7	\$138,035,859.88
PIPE 4" STEEL	5,704,232.0	\$21,750,884.32	2,752,783.0	\$22,778,236.49
PIPE 5" IRON	2,707.0	\$2,825.02	0.0	\$0.00
PIPE 5" PLASTIC	4.0	\$163.34	1.0	\$33.47
PIPE 5" STEEL	439,170.0	\$631,622.89	184,100.0	\$323,881.87
PIPE 6" IRON	95,948.0	\$129,150.25	150.0	\$415.34
PIPE 6" OTHER	0.0	\$0.00	113.0	\$19,627.50
PIPE 6" PLASTIC	1,440,318.0	\$143,556,528.58	2,210,078.5	\$100,391,153.53
PIPE 6" STEEL	2,978,906.9	\$18,526,159.10	2,037,258.0	\$18,439,920.37
PIPE 7" PLASTIC	358.0	\$14,461.41	10.0	\$454.10
PIPE 7" STEEL	77,860.0	\$230,212.20	44,278.0	\$117,268.15
PIPE 8" IRON	28,677.0	\$53,255.30	4,403.0	\$4,848.54
PIPE 8" OTHER	0.0	\$0.00	2,884.0	\$96,273.69
PIPE 8" PLASTIC	331,937.2	\$56,983,605.65	960,446.7	\$64,135,780.82
PIPE 8" STEEL	935,955.0	\$9,436,364.63	1,929,818.0	\$22,187,475.64
PIPE 9" STEEL	20.0	\$33.99	2,570.0	\$7,444.94
PIPE 10" IRON	8,166.0	\$12,866.58	636.0	\$1,407.15
PIPE 10" PLASTIC	5,508.0	\$656,632.75	45,547.0	\$4,716,167.29
PIPE 10" STEEL	211,813.0	\$3,583,781.52	601,437.0	\$8,156,567.03
PIPE 11" STEEL	27.0	\$1.89	0.0	\$0.00
PIPE 12" IRON	6,148.0	\$13,356.60	7,980.0	\$17,621.80
PIPE 12" PLASTIC	26,443.0	\$11,278,726.58	129,530.0	\$21,954,185.45
PIPE 12" STEEL	159,667.0	\$4,729,564.00	890,583.0	\$21,723,159.73
PIPE 13" STEEL	0.0	\$0.00	110.0	\$585.66
PIPE 14" STEEL	4,898.0	\$19,755.02	52,139.0	\$380,622.21
PIPE 16" IRON	1,248.0	\$2,759.53	0.0	\$0.00
PIPE 16" STEEL	30,752.0	\$944,404.75	491,790.0	\$14,040,249.93
PIPE 18" STEEL	0.0	\$0.00	448.0	\$1,226.36
PIPE 19" STEEL	700.0	\$1,697.36	200.0	\$478.76
PIPE 20" IRON	13,517.0	\$29,828.98	22,251.0	\$47,495.47
PIPE 20" STEEL	4,464.0	\$165,671.57	419,844.0	\$11,879,994.99
PIPE 24" IRON	39,193.0	\$86,734.11	27,453.0	\$49,195.30
PIPE 24" STEEL	2,717.0	\$68,637.52	132,121.0	\$5,139,038.37
PIPE 30" IRON	18,119.0	\$40,090.10	11,442.0	\$25,316.57
PIPE 30" STEEL	986.0	\$26,214.55	57,145.0	\$983,118.56
PIPE 36" IRON	18,983.0	\$41,940.49	650.0	\$1,438.19
PIPE 36" STEEL	642.0	\$17,263.94	1,501.0	\$1,438.16
OTHER LINE EQUIPMENT	0.0	\$11,428,144.30	0.0	\$27,477,224.71
	21,672,123.7	\$573,240,547.44	31,800,649.5	\$760,478,971.44

**Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service**

COS 5. Please provide a breakdown of customer advances by customer class for the most recent year available.

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**Peoples Natural Gas Company LLC
Peoples Division
Customer Advances
September 30, 2018**

Class	Amount
Commercial	(43,003.51)
Residential	(48,958.00)
Total	(91,961.51)

**Peoples Natural Gas Company LLC
Equitable Division
Customer Advances
September 30, 2018**

Class	Amount
Commercial	(25,086.00)
Residential	(2,255.00)
Total	(27,341.00)

**Peoples Natural Gas Company LLC
Combined
Customer Advances
September 30, 2018**

Class	Amount
Commercial	(68,089.51)
Residential	(51,213.00)
Total	(119,302.51)

Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service

COS 6. Please provide a breakdown of services investment by service line diameter, and a breakdown of services by size and customer class.

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Peoples does not maintain service investments in this manner. Refer to page 2 for available data.

PEOPLES NATURAL GAS COMPANY - PEOPLES DIVISION
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	Size Category	Values	
		# of Services	Feet of Service
ADID (CA)	1" OR LESS	85	4,250
Commercial Heat (LLD)	OVER 1" TO 2"	145	7,250
	OVER 2" TO 4"	3	150
	UNKNOWN	13	650
Commercial Heat (LLD) Total		246	12,300
Commercial Large Heat	1" OR LESS	466	23,300
	OVER 1" TO 2"	1,225	61,250
	OVER 2" TO 4"	354	17,700
	OVER 4" TO 8"	60	3,000
	OVER 8"	2	100
	UNKNOWN	458	22,900
Commercial Large Heat Total		2,565	128,250
Commercial Large Non Heat	1" OR LESS	4	200
	OVER 1" TO 2"	12	600
	OVER 2" TO 4"	8	400
	OVER 4" TO 8"	2	100
Commercial Large Non Heat Total		26	1,300
Commercial Natural Gas Powered Vehicles	OVER 1" TO 2"	1	50
	OVER 2" TO 4"	3	150
	OVER 4" TO 8"	1	50
	UNKNOWN	3	150
Commercial Natural Gas Powered Vehicles Total		8	400
Commercial Non Heat (LLD)	1" OR LESS	1	50
Commercial Non Heat (LLD) Total		1	50
Commercial Small (under 300 mcf) Heat	1" OR LESS	4,864	243,200
	OVER 1" TO 2"	6,767	338,350
	OVER 2" TO 4"	141	7,050
	OVER 4" TO 8"	16	800
	OVER 8"	1	50
	UNKNOWN	562	28,100
Commercial Small (under 300 mcf) Heat Total		12,351	617,550
Commercial Small (under 300 mcf) Non Heat	1" OR LESS	90	4,500
	OVER 1" TO 2"	154	7,700
	OVER 2" TO 4"	8	400
	OVER 4" TO 8"	2	100
	UNKNOWN	11	550
Commercial Small (under 300 mcf) Non Heat Total		265	13,250
Commercial Small Heat	1" OR LESS	1,336	66,800
	OVER 1" TO 2"	2,820	141,000
	OVER 2" TO 4"	232	11,600
	OVER 4" TO 8"	11	550
	OVER 8"	1	50
	UNKNOWN	268	13,400
Commercial Small Heat Total		4,668	233,400
Commercial Small Non Heat	1" OR LESS	40	2,000
	OVER 1" TO 2"	116	5,800
	OVER 2" TO 4"	7	350
	UNKNOWN	12	600
Commercial Small Non Heat Total		175	8,750
Industrial (greater than 50,000 mcf)	OVER 1" TO 2"	2	100
	OVER 2" TO 4"	3	150
	OVER 4" TO 8"	3	150
	UNKNOWN	45	2,250
Industrial (greater than 50,000 mcf) Total		53	2,650
Industrial (less than 300 mcf)	OVER 4" TO 8"	1	50
	UNKNOWN	4	200
Industrial (less than 300 mcf) Total		5	250
Industrial (less than 50,000 mcf)	1" OR LESS	3	150
	OVER 1" TO 2"	17	850
	OVER 2" TO 4"	5	250
	OVER 4" TO 8"	2	100
	UNKNOWN	98	4,900
Industrial (less than 50,000 mcf) Total		125	6,250
NGDC - Large	UNKNOWN	2	100
NGDC - Large Total		2	100
NGDC - Small	UNKNOWN	1	50
NGDC - Small Total		1	50
Residential Heat	1" OR LESS	139,107	6,955,350
	OVER 1" TO 2"	151,832	7,591,600
	OVER 2" TO 4"	582	29,100
	OVER 4" TO 8"	72	3,600
	OVER 8"	3	150
	UNKNOWN	7,925	396,250
Residential Heat Total		299,521	14,976,050
Residential Non-Heat	1" OR LESS	336	16,800
	OVER 1" TO 2"	410	20,500
	OVER 2" TO 4"	2	100
	UNKNOWN	26	1,300
Residential Non-Heat Total		774	38,700
UNKNOWN	1" OR LESS	10,251	512,550
	OVER 1" TO 2"	13,677	683,850
	OVER 2" TO 4"	157	7,850
	OVER 4" TO 8"	18	900
	UNKNOWN	2,059	102,950
UNKNOWN Total		26,162	1,308,100
Grand Total		346,948	17,347,400

Total Services- PNG & PEGC

600,456

PEOPLES NATURAL GAS COMPANY- EQUITABLE DIVISION
Co

PEGC

	Size Category	Values	
		# of Services	Feet of Service
ADID (CA)	1" OR LESS	1,567	78,350
Commercial Heat (LLD)	OVER 1" TO 2"	1,254	62,700
	OVER 2" TO 4"	20	1,000
	OVER 4" TO 8"	6	300
	UNKNOWN	363	18,150
Commercial Heat (LLD) Total		3,210	160,500
Commercial Large Heat	1" OR LESS	45	2,250
	OVER 1" TO 2"	245	12,250
	OVER 2" TO 4"	67	3,350
	OVER 4" TO 8"	26	1,300
	UNKNOWN	215	10,750
Commercial Large Heat Total		598	29,900
Commercial Large Non Heat	OVER 1" TO 2"	2	100
	OVER 4" TO 8"	1	50
Commercial Large Non Heat Total		3	150
Commercial Natural Gas Powered Vehicles	OVER 1" TO 2"	1	50
	OVER 2" TO 4"	1	50
	OVER 4" TO 8"	1	50
	UNKNOWN	1	50
Commercial Natural Gas Powered Vehicles Total		4	200
Commercial Non Heat (LLD)	1" OR LESS	24	1,200
	OVER 1" TO 2"	72	3,600
	OVER 2" TO 4"	2	100
	OVER 4" TO 8"	1	50
	UNKNOWN	17	850
Commercial Non Heat (LLD) Total		116	5,800
Commercial Small (under 300 mcf) Heat	1" OR LESS	2,745	137,250
	OVER 1" TO 2"	2,381	119,050
	OVER 2" TO 4"	39	1,950
	OVER 4" TO 8"	7	350
	UNKNOWN	1,273	63,650
Commercial Small (under 300 mcf) Heat Total		6,445	322,250
Commercial Small (under 300 mcf) Non Heat	1" OR LESS	45	2,250
	OVER 1" TO 2"	35	1,750
	UNKNOWN	18	900
Commercial Small (under 300 mcf) Non Heat Total		98	4,900
Commercial Small Heat	1" OR LESS	927	46,350
	OVER 1" TO 2"	2,195	109,750
	OVER 2" TO 4"	194	9,700
	OVER 4" TO 8"	39	1,950
	UNKNOWN	1,216	60,800
Commercial Small Heat Total		4,571	228,550
Commercial Small Non Heat	1" OR LESS	11	550
	OVER 1" TO 2"	8	400
	OVER 2" TO 4"	1	50
	OVER 4" TO 8"	2	100
	UNKNOWN	10	500
Commercial Small Non Heat Total		32	1,600
Industrial (greater than 50,000 mcf)	1" OR LESS	0	-
	OVER 1" TO 2"	2	100
	OVER 2" TO 4"	1	50
	OVER 4" TO 8"	2	100
	UNKNOWN	8	400
Industrial (greater than 50,000 mcf) Total		13	650
Industrial (less than 300 mcf)	1" OR LESS	0	-
	OVER 1" TO 2"	7	350
	OVER 2" TO 4"	2	100
	OVER 4" TO 8"	1	50
	UNKNOWN	6	300
Industrial (less than 300 mcf) Total		16	800
Industrial (less than 50,000 mcf)	1" OR LESS	4	200
	OVER 1" TO 2"	28	1,400
	OVER 2" TO 4"	8	400
	OVER 4" TO 8"	6	300
	UNKNOWN	36	1,800
Industrial (less than 50,000 mcf) Total		82	4,100
Residential Heat	#	0	-
	1" OR LESS	149,008	7,450,400
	OVER 1" TO 2"	49,876	2,493,800
	OVER 2" TO 4"	74	3,700
	OVER 4" TO 8"	23	1,150
	OVER 8"	4	200
	UNKNOWN	17,118	855,900
Residential Heat Total		216,103	10,805,150
Residential Non-Heat	1" OR LESS	136	6,800
	OVER 1" TO 2"	139	6,950
	UNKNOWN	72	3,600
Residential Non-Heat Total		347	17,350
UNKNOWN	1" OR LESS	10,273	513,650
	OVER 1" TO 2"	5,644	282,200
	OVER 2" TO 4"	75	3,750
	OVER 4" TO 8"	38	1,900
	OVER 8"	1	50
	UNKNOWN	5,839	291,950
UNKNOWN Total		21,870	1,093,500
Grand Total		253,508	12,675,400

**Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service**

COS 7. If available, please provide a breakdown of meter investment by meter size, and a breakdown of meters by size and customer class.

* * * * *

Refer to pages 2 through 7. We do not store meter investment by meter size. The attachment is the meter data, by kind and size code and customer class, that was provided for our Cost of Services Study.

Quantity by Rate Class

<u>Division</u>	<u>Kind and Size</u> <u>Code</u>	<u>LGS</u>	<u>MGS</u>	<u>SGS</u>	<u>RS</u>	<u>Meter Unit Cost</u>
Equitable Division	315			4	35	\$113
	327			1	10	\$113
	328		5	2,098	63,935	\$113
	329		12	4,602	81,554	\$113
	331			496	14,730	\$113
	334				2	\$113
	337			291	11,140	\$113
	340				1	\$113
	341		1	133	2,959	\$113
	343				3	\$113
	344		3	2,273	64,334	\$113
	345		1	582	12,759	\$113
	355			14	331	\$113
	391		6	867	528	\$203
	392			42	22	\$203
	393		3	323	219	\$203
	520		1	44	23	\$203
	521		28	1,375	785	\$203
	522				1	\$203
	540		10	68	5	\$736
	546		4	70	6	\$736
	547		11	136	13	\$736
	555		18	191	39	\$736
	568		247	2,179	244	\$846
	579		1			\$846
	701		4			\$2,502
	703	7	50	3	1	\$2,570
	704		2	1		\$849
	706		4	3	1	\$849
	712	5				\$853
	713	15	8	7	1	\$853
	716	1				\$853
	720	1				\$853
	721			4	3	\$853
	726	12	4			\$853
	729	2	1		1	\$853
	730	1				\$853
	732	1				\$853
	737			1	1	\$853
	743		2			\$853
	745	1				\$853
	746		4	17	1	\$998
	748		175	468	37	\$866
	749				1	\$866
	750		46	34		\$882
	751		1			\$1,003
	752		58	12		\$1,114
	753		570	639	32	\$1,019
	754	1	48	7	1	\$1,489
	755		291	98	2	\$1,247
	756		16	3		\$1,767

Quantity by Rate Class

<u>Division</u>	<u>Kind and Size</u> <u>Code</u>	<u>LGS</u>	<u>MGS</u>	<u>SGS</u>	<u>RS</u>	<u>Meter Unit Cost</u>
Equitable Division	757		184	30	5	\$1,533
	758	4	139	19	1	\$1,818
	767	10	23	4		\$1,818
	776	1	1			\$1,818
	777		1			\$1,818
	780			1		\$1,818
	789			3		\$1,818
	801		1			\$920
	804	3	7	3	2	\$3,883
	811				1	\$3,883
	830		1			\$3,883
	832		3			\$3,883
	836		1			\$3,883
	847		1			\$3,883
	850		2	1		\$1,086
	852		4	1		\$1,233
	858		11	12		\$1,086
	859		6			\$1,086
	860		6			\$1,700
	862			4	1	\$1,700
	926		1	1		\$846
	927		1			\$846
	928	1				\$846
	929	2				\$846
	3291		3	103	2,049	\$113
	5211		3	23	32	\$203
	5551		5	5	3	\$736
	5681		5	19	8	\$846
	7071			1		\$849
Equitable Division Total Count		68	2,044	17,316	255,862	

Quantity by Rate Class						
<u>Division</u>	<u>Kind and Size</u> <u>Code</u>	<u>LGS</u>	<u>MGS</u>	<u>SGS</u>	<u>RS</u>	<u>Meter Unit Cost</u>
Peoples Division	315				2	\$113
	320			1	26	\$113
	321				1	\$113
	323			4	124	\$113
	328		4	2,897	66,975	\$113
	329		14	5,206	94,304	\$113
	330			76	1,397	\$113
	331			419	9,778	\$113
	332			233	5,013	\$113
	334			2	19	\$113
	335			121	2,854	\$113
	336			1	3	\$113
	337			15	303	\$113
	338			7	221	\$113
	340				2	\$113
	341				7	\$113
	343			1	2	\$113
	344		1	588	10,600	\$113
	345		2	3,181	59,580	\$113
	347			10	412	\$113
	355			5	104	\$113
	391		6	311	140	\$203
	392			126	23	\$203
	393		13	304	107	\$203
	394			7	1	\$203
	520		9	595	237	\$203
	521		65	2,037	835	\$203
	525		1	144	56	\$203
	540		22	95	6	\$736
	544		16	152	17	\$736
	546			2		\$736
	547		28	176	13	\$736
	549		31	172	11	\$736
	550		5	45	6	\$736
	555		104	612	95	\$736
	560			1		\$736
	565		28	78	4	\$846
	566		40	103	7	\$846
	567		2	1		\$846
	568		145	435	40	\$846
	569		4	17	1	\$846
	579		4	50	5	\$846
	630			2		\$530
	684				1	\$530
	701	20	29	1	1	\$2,502
	702	2	1			\$2,502
	703	1	1			\$2,502
	704		15	41	13	\$849
	706		462	306	20	\$849
	707	3	115	18	2	\$849
	708		2	3		\$849
	711		31	64	9	\$853

Quantity by Rate Class						
<u>Division</u>	<u>Kind and Size</u> <u>Code</u>	<u>LGS</u>	<u>MGS</u>	<u>SGS</u>	<u>RS</u>	<u>Meter Unit Cost</u>
Peoples Division	712	1				\$853
	713	12	3	1	2	\$853
	715		1			\$853
	716		1			\$853
	726	2				\$853
	729	4			1	\$853
	730	9			7	\$853
	732	3			2	\$853
	734	3			3	\$853
	735		1	5	2	\$853
	737			1		\$853
	738	1				\$853
	740	1				\$853
	743	3	90	5	2	\$853
	746		5	9	4	\$998
	748	1	106	201	13	\$866
	749		107	125	11	\$866
	750	3	99	70	8	\$882
	751		1	1	1	\$1,003
	752	8	370	118	10	\$1,114
	753		17	11	1	\$1,019
	754	2	59	6	2	\$1,489
	755		15	1	1	\$1,247
	756	18	62	5	3	\$1,767
	757		4	1	1	\$1,533
	758		3	1		\$1,818
	764			1	2	\$1,818
	767	11	1		1	\$1,818
	768		2			\$1,818
	770			1	1	\$1,818
	771			2		\$1,818
	772	2	2	2	1	\$1,818
	774		2	2	1	\$1,818
	776	1		1		\$1,818
	777		1			\$1,818
	779	1	5			\$1,818
	780		71	206	9	\$1,818
	785		1			\$1,818
	788	1	1			\$1,818
	789	6				\$1,818
	801		4	1	15	\$920
	802				1	\$1,537
	803				3	\$1,537
	804	9	4	1	4	\$3,883
	808		2			\$3,883
	810	2				\$3,883
	811	1				\$3,883
	826	1	18	37	2	\$3,883
	828			2		\$3,883
	830		85	68	3	\$3,883
	831		4			\$3,883
	832		73	21	2	\$3,883

Quantity by Rate Class						
<u>Division</u>	<u>Kind and Size</u> <u>Code</u>	<u>LGS</u>	<u>MGS</u>	<u>SGS</u>	<u>RS</u>	<u>Meter Unit Cost</u>
Peoples Division	833		2			\$3,883
	834		5			\$3,883
	836		29	1		\$3,883
	838	2	6			\$3,883
	839	1				\$3,883
	842				2	\$3,883
	843				3	\$3,883
	844				2	\$3,883
	845	2			1	\$3,883
	850		18	19	1	\$1,086
	852		12	1		\$1,233
	853		2			\$1,250
	854		4			\$1,700
	856		1			\$1,700
	858		3	5		\$1,086
	859		11	1		\$1,086
	860			1		\$1,700
	862		2	6		\$1,700
	869				2	\$1,700
	3281		2	842	19,065	\$113
	3291		5	987	17,215	\$113
	3301			355	7,764	\$113
	3311			260	5,842	\$113
	3321	1	1	1,022	24,938	\$113
	3341				2	\$113
	3351			426	11,183	\$113
	3371			171	4,219	\$113
	3381				4	\$113
	3441			120	2,559	\$113
	3451			120	1,948	\$113
	3911		6	347	154	\$203
	3921		11	446	163	\$203
	3931		1	30	6	\$203
	5201		2	138	56	\$203
	5211		13	427	150	\$203
	5401		15	140	17	\$736
	5441		33	166	20	\$736
	5461		2	7		\$736
	5471		1	1		\$736
	5491		1	26	2	\$736
	5501		9	64	7	\$736
	5551		7	41	8	\$736
	5651		36	132	5	\$846
	5661			2		\$846
	5671		4	10		\$846
	5681		25	58	8	\$846
	5691			1		\$846
	5791		1	2		\$846
	7011	2	6		1	\$2,502
	7021	1	1			\$2,502
	7041			2		\$849
	7061		110	65	5	\$849

Quantity by Rate Class						
<u>Division</u>	<u>Kind and Size</u> <u>Code</u>	<u>LGS</u>	<u>MGS</u>	<u>SGS</u>	<u>RS</u>	<u>Meter Unit Cost</u>
Peoples Division	7071	2	51	9		\$849
	7111			2		\$853
	7121	1	1			\$853
	7131	1	1			\$853
	7181		2			\$853
	7201		1			\$853
	7301	2				\$853
	7351			3		\$853
	7431	4	62	2		\$853
	7481		5	16	1	\$866
	7491		1	3	1	\$866
	7521	3	118	29		\$1,114
	7621		1			\$1,818
	7671	4	2	1	2	\$1,818
	7701		1	4	6	\$1,818
	7721	3	1		1	\$1,818
	7741		3		8	\$1,818
	7761	3	2			\$1,818
	7771		4	1		\$1,818
	7791		8			\$1,818
	7801		17	42	19	\$1,818
	7861	1				\$1,818
	7881	4			1	\$1,818
	7891	1				\$1,818
Peoples Division Total Count		170	3,088	26,125	348,887	

**Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service**

COS 8. Please provide the Company's rate design models and cost of service study on an IBM PC-compatible computer disk in Lotus 1-2-3-or Quattro format. If the models consist of more than one file, please include information on all files on the disk and what they contain. If not available in Lotus 1-2-3 or Quattro format, please provide in ASCII format.

* * * * *

A CD containing a pdf version of the model is included with the filing.

Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service

COS 9. Please provide a copy of the Company’s current customer extension policy. Provide a representative sample of the analyses conducted by the Company when deciding whether service to a new customer qualifies under the Company’s customer extension policy.

* * * * *

Refer to Peoples Natural Gas - Tariff No. 45, Section 4 in the Rules and Regulations titled “Connections for Service – Extension of Facilities” and Peoples Natural Gas-Equitable Division – Tariff No. 46, Section 1.2 in the Rules and Regulations titled “Applications For Service Extension of Mains” located in Exhibit 14, Schedule 1, for the policy regarding connections for service and extension of facilities.

Refer to the attached examples of the Contribution to Construction analysis. The attached samples are for a residential PNG Division and a residential PNG-Equitable Division installation that requires an 85 foot mainline extension. The revenue generated by the project is insufficient to pass the test of economic feasibility requiring customer contribution to enable the project to reach 11.25% ROE, an acceptable return on investment to justify the extension.

CUSTOMER ADDITIONS FIELD MODEL

Date:	11/9/2018	SET (Yes/No)	No
State:	PA		
Company (select):	Peoples Division	Revenue	COS
Customer/Project Name:			
Project Number:		Promotional Exp.	\$ -
Evaluation Period	40 yrs.		
Res. Revenue Term	40 yrs.		
Comm. Revenue Term		Comm. Loan Term	- yrs.
Ind. Revenue Term	- yrs.		

Input and/or Default	Output
Output	Output

COMMENTS: (Double Click in box)
 PNG Constr. Install 85' of 2"
 Annual Revenue = Customer Charge (12 x \$13.95 or \$167.40) + Delivery = 92 mcf x \$3.3344 = \$289.76 = \$457.16

Res./Comm. Average Annual Consumption		
	Res.	Comm.
Average Mcf/cust/year	86.9	15,000

Allowed Investment	
Proj. Cost.	\$5,003
Allow. Inv.	\$3,150
Req. Contrib.	\$1,853

Incremental	Residential				Commercial				Industrial			
	Count	Mcf/Cust	Cust. Chg. (mo)	Margin (\$/mcf)	Count	Mcf/Cust	Cust. Chg. (mo)	Margin (\$/mcf)	Count	Mcf/Cust	Cust. Chg. (mo)	Margin (\$/mcf)
Yr-1	1											
Yr-2												
Yr-3												
Yr-4												
Yr-5												
Yr-6												
Yr-7												
Yr-8												
Yr-9												
Yr-10												

Capital Costs				
Mainline Costs				
	Total Mainline Costs (\$)			
1st 12 months	\$4,329			
2nd 12 months	\$0			
3rd 12 months	\$0			
Meter & Service Data				
Number of Services				
	Residential	Comm.	Industrial	
Yr-1	1	0	0	
Yr-2				
Yr-3				
Meter & Service Average				
	Res. Cust.	Comm. Cust.	Ind. Cust.	Total Meter & Serv Costs
Cost per Installation	\$674	\$736	\$793	\$674

CUSTOMER ADDITIONS FIELD MODEL

Date:	11/9/2018	SET (Yes/No)	No
State:	PA		
Company (select):	Equitable Division	Revenue	COS
Customer/Project Name:		Promotional Exp.	\$ -
Project Number:		Comm. Loan Term	- yrs.
Evaluation Period	40 yrs.		
Res. Revenue Term	40 yrs.		
Comm. Revenue Term	- yrs.		
Ind. Revenue Term	- yrs.		

Input and/or Default	Output
	Output

COMMENTS: (Double Click in box)
 PNG Constr. Install 85' of 2"
 Annual Revenue = (Customer Charge 12 x \$13.25 or \$159.00) + (Delivery 85.1mcf x \$3.3380 or \$284.07) = \$443.07

Res./Comm. Average Annual Consumption		
	Res.	Comm.
Average Mcf/cust/year	85.1	15,000

Allowed Investment	
Proj. Cost.	\$5,003
Allow. Inv.	\$2,942
Req. Contrib.	\$2,061

Incremental	Residential				Commercial			Industrial		
	Count	Count	Mcf/Cust	Cust. Chg. (mo)	Margin (\$/mcf)	Count	Mcf/Cust	Cust. Chg. (mo)	Margin (\$/mcf)	
Yr-1	1					0				
Yr-2		0				0				
Yr-3		0				0				
Yr-4		0				0				
Yr-5		0				0				
Yr-6										
Yr-7										
Yr-8										
Yr-9										
Yr-10										

Capital Costs				
Mainline Costs				
	Total Mainline Costs (\$)			
1st 12 months	\$4,329			
2nd 12 months	\$0			
3rd 12 months	\$0			
Meter & Service Data				
Number of Services				
	Residential	Comm.	Industrial	
Yr-1	1	0	0	
Yr-2				
Yr-3				
Meter & Service Average				
	Res. Cust.	Comm. Cust.	Ind. Cust.	Total Meter & Serv Costs
Cost per Installation	\$674	\$736	\$736	\$674

Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service

COS 10. Please provide a detailed supply and requirement schedule for the Company's three most recent annual peak days and for design day. The schedules should include deliveries by source and requirements by rate schedule. Identify sources and requirements for transportation customers separately. Also include the Company's daily sendout sheet for each peak day and applicable weather data.

* * * * *

The annual peak day supply and requirement schedule for the last three years is provided on page 2 of 4. Pages 3 and 4 of 4 allocate the supply and requirements to Peoples and Equitable divisions.

**Peoples Natural Gas Company LLC - Peoples Division
Peak Day Requirements and Supply
(All Volumes in Mcf)**

	Date	1/5/2018	1/8/2017	2/13/2016
Temperature	High	9	15	11
	Average	4	10	4.5
	Low	-1	5	-2
Requirements	Retail			
	Residential	239,877	202,522	210,374
	Commercial	54,011	48,191	52,029
	Industrial	1,163	573	729
	Transport	-	-	-
	Residential	77,788	68,062	73,634
	Commercial	109,132	93,121	95,296
	Industrial	100,688	100,014	97,586
	CU & UFG	29,179	26,462	28,464
	Total	611,838	538,946	558,111
	Supply	Utility		
Interstate				
Dominion		5,704	7,445	37,368
Nat'l Fuel		11,812	9,801	10,226
Tennessee		22,576	13,031	25,925
Texas Eastern		30,502	30,926	40,580
AVC		348,436	263,251	259,147
Other Utility		(18,252)	(19,287)	(7,376)
On system Storage		18,940	25,946	25,137
Transportation				
Interstate				
Dominion		77,910	81,334	49,564
Nat'l Fuel		-	-	-
Tennessee		-	-	-
Texas Eastern		10,226	1,471	-
AVC		57,431	71,236	61,603
Local Gas *		46,553	53,792	55,937

* Local Gas is a combination of utility and transporter purchased gas

**Peoples Natural Gas Company LLC - Equitable Division
Peak Day Requirements and Supply
(All Volumes in Mcf)**

Date		1/5/2018	1/8/2017	2/13/2016
Temperature	High	9	15	11
	Average	4	10	4.5
	Low	-1	5	-2
Requirements	Retail			
	Residential	221,481	185,348	193,310
	Commercial	34,770	31,293	31,659
	Industrial	841	1,043	512
	Transport			
	Residential	21,445	14,928	14,815
	Commercial	86,597	69,444	74,003
	Industrial	92,599	79,145	85,406
	CU & UFG	22,923	19,684	21,480
	Total	<u>480,656</u>	<u>400,884</u>	<u>421,185</u>
Supply	Utility			
	Interstate			
	Texas Eastern	-	-	-
	Equitrans	302,544	268,557	257,505
	Other Utility	28,101	47,026	41,072
	Transportation			
	Interstate			
	Equitrans	112,256	65,451	97,793
Local Gas *	37,755	19,850	24,815	

* Local Gas is a combination of utility and transporter purchased gas

**Peoples Natural Gas Company LLC - Combined
Peak Day Requirements and Supply
(All Volumes in Mcf)**

	Date	1/5/2018	1/8/2017	2/13/2016
Temperature	High	9	15	11
	Average	4	10	4.5
	Low	-1	5	-2
Requirements	Retail			
	Residential	461,358	387,870	403,684
	Commercial	88,781	79,484	83,687
	Industrial	2,004	1,616	1,241
	Transport			
	Residential	99,233	82,990	88,449
	Commercial	195,729	162,565	169,299
	Industrial	193,287	179,159	182,992
	CU & UFG	52,102	46,146	49,944
	Total	1,092,495	939,830	979,296
Supply	Utility			
	Interstate			
	Dominion	5,704	7,445	37,368
	Nat'l Fuel	11,812	9,801	10,226
	Tennessee	22,576	13,031	25,925
	Texas Eastern	30,502	30,926	40,580
	Equitrans	302,544	268,557	257,505
	AVC	348,436	263,251	259,147
	Other Utility	9,849	27,739	33,696
	On system Storage	18,940	25,946	25,137
	Transportation			
	Interstate			
	Dominion	77,910	81,334	49,564
	Nat'l Fuel	-	-	-
	Tennessee	-	-	-
	Texas Eastern	10,226	1,471	-
	Equitrans	112,256	65,451	97,793
	AVC	57,431	71,236	61,603
	Local Gas *	84,309	73,642	80,752

* Local Gas is a combination of utility and transporter purchased gas
All Volumes in Mcf

Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service

COS 11. Please provide copies of the Company's daily sendout sheets for November through March of the most recent heating season.

* * * * *

The Company no longer uses daily sendout sheets but a summary of comparable information for the November 2017 – March 2018 heating season is provided on pages 2-4 of this response.

All Values in MCF			Total PNG / PED	PED	PNG	DETI	TETCO	TGP	NFG	AVC	Local Production SS/Transp.	Dice Storage	Net Exchange	CPA Exchange	Equitrans	Local Production	Net Exchange	Peoples Ptwp
Date	Day	Actual HDD																
11/1/2017	Wed	16	372,532	162,264	210,268	45,324	8,006	660	3,851	119,287	43,418	(12,903)	22	2,603	119,156	34,455	(6,154)	14,807
11/2/2017	Thu	3	250,513	90,161	160,352	38,606	7,866	587	1,807	78,652	41,904	(14,259)	2,586	2,603	42,061	34,385	(1,845)	15,559
11/3/2017	Fri	19	331,507	125,739	205,768	44,576	8,509	583	3,660	117,758	43,581	(13,716)	(1,787)	2,603	68,717	34,268	5,904	16,849
11/4/2017	Sat	12	271,946	106,010	165,936	35,690	8,843	593	2,995	83,743	43,615	(11,975)	(172)	2,603	56,365	30,102	3,525	16,018
11/5/2017	Sun	5	221,545	80,095	141,451	36,774	7,697	604	2,027	51,639	44,330	(9,666)	5,442	2,603	28,631	33,791	2,131	15,541
11/6/2017	Mon	21	361,900	149,886	212,014	40,646	7,846	622	4,216	115,757	41,873	295	(1,845)	2,603	98,913	34,127	(11)	16,857
11/7/2017	Tue	30	474,921	203,871	271,050	39,226	8,993	740	5,516	171,486	45,057	14	(2,586)	2,603	154,299	34,217	(2,990)	18,344
11/8/2017	Wed	27	454,855	193,496	261,359	34,238	8,739	687	5,269	162,762	50,703	1	(3,643)	2,603	139,158	34,151	1,535	18,652
11/9/2017	Thu	26	436,858	182,463	254,395	38,003	8,713	716	4,930	148,353	57,822		(6,763)	2,603	133,793	33,012	(343)	16,001
11/10/2017	Fri	41	648,683	270,884	377,799	47,206	10,133	713	7,841	265,345	54,111		(10,152)	2,603	224,790	33,290	(6,032)	18,835
11/11/2017	Sat	34	568,361	244,396	323,964	38,710	10,084	685	6,590	225,666	48,401		(8,775)	2,603	192,587	31,445	1,900	18,465
11/12/2017	Sun	24	456,732	194,932	261,800	36,631	9,939	741	5,242	164,971	47,491	1	(5,820)	2,603	142,165	33,569	3,356	15,842
11/13/2017	Mon	24	449,174	189,208	259,966	48,987	10,005	709	4,991	155,893	43,132		(6,355)	2,603	135,191	33,297	4,406	16,314
11/14/2017	Tue	29	486,459	203,303	283,156	39,249	9,921	703	5,484	194,786	42,652	1	(12,244)	2,603	144,489	33,267	7,381	18,167
11/15/2017	Wed	23	420,040	173,738	246,301	37,426	14,653	709	4,518	156,474	43,590		(13,672)	2,603	116,421	33,140	11,634	12,543
11/16/2017	Thu	26	499,796	219,887	279,909	50,938	14,395	672	5,327	173,757	44,289		(12,072)	2,603	161,159	33,152	10,005	15,571
11/17/2017	Fri	28	479,979	204,112	275,867	46,653	9,894	693	4,981	162,162	45,206		(6,325)	2,603	147,787	33,069	6,683	16,574
11/18/2017	Sat	17	408,808	166,807	242,001	47,931	9,879	842	4,123	139,920	43,761		(7,058)	2,603	110,775	33,085	7,033	15,913
11/19/2017	Sun	32	550,988	229,808	321,180	60,846	19,339	822	6,026	190,899	47,072		(6,427)	2,603	164,661	33,063	12,947	19,137
11/20/2017	Mon	27	522,777	218,920	303,857	57,568	19,392	766	5,451	175,766	45,532	338	(3,560)	2,603	155,314	33,094	13,860	16,653
11/21/2017	Tue	21	425,366	174,288	251,078	52,291	9,914	650	4,191	134,255	46,957	4	213	2,603	115,337	32,957	12,019	13,774
11/22/2017	Wed	37	560,554	233,944	326,610	51,561	9,850	691	6,110	205,708	45,611		4,476	2,603	178,566	32,806	6,554	16,019
11/23/2017	Thu	33	508,546	218,033	290,512	46,893	11,333	721	5,455	178,244	48,266		(3,003)	2,603	162,198	32,881	7,048	15,906
11/24/2017	Fri	20	409,155	177,249	231,906	45,123	11,356	727	4,047	126,620	44,944		(3,515)	2,603	122,750	32,784	7,135	14,580
11/25/2017	Sat	21	354,831	154,259	200,572	44,358	11,400	674	4,086	104,986	44,864		(12,400)	2,603	102,654	32,836	4,176	14,593
11/26/2017	Sun	27	451,695	201,101	250,594	45,725	11,372	734	5,280	160,232	45,076		(20,429)	2,603	152,382	32,805	(245)	16,158
11/27/2017	Mon	21	419,168	186,151	233,017	45,797	11,429	706	4,466	134,077	54,475		(20,536)	2,603	141,547	32,878	(3,689)	15,415
11/28/2017	Tue	8	338,938	143,593	195,345	43,859	7,967	686	3,036	100,511	57,993		(21,310)	2,603	93,963	31,773	3,592	14,264
11/29/2017	Wed	21	397,316	169,222	228,094	51,286	7,924	683	4,530	124,044	56,808		(19,785)	2,603	119,530	30,508	3,697	15,486
11/30/2017	Thu	19	411,817	177,743	234,074	56,003	7,854	704	4,241	123,676	56,750		(17,758)	2,603	118,614	32,379	12,279	14,472
12/1/2017	Fri	28	483,584	194,997	288,587	90,781	3,172	686	5,134	160,067	45,756	1	(19,835)	2,825	127,109	31,874	20,352	15,662
12/2/2017	Sat	26	493,630	205,576	288,053	88,443	3,166	690	5,464	162,671	44,813		(20,018)	2,825	137,758	31,731	20,739	15,349
12/3/2017	Sun	22	460,029	191,207	268,823	83,476	3,451	681	4,998	149,615	44,309		(20,532)	2,825	122,813	31,637	21,019	15,738
12/4/2017	Mon	15	379,986	156,292	223,693	77,961	4,190	623	3,883	108,971	45,027		(19,786)	2,825	89,910	31,590	19,795	14,997
12/5/2017	Tue	22	471,451	189,857	281,594	62,598	9,778	725	5,273	170,470	46,784	682	(17,540)	2,825	123,550	31,520	17,731	17,057
12/6/2017	Wed	26	531,547	223,248	308,299	74,337	14,746	757	6,358	170,502	44,693	11,588	(17,507)	2,825	156,763	31,337	18,077	17,070
12/7/2017	Thu	36	621,910	264,080	357,830	82,151	21,534	1,057	7,252	213,082	44,417	11,087	(25,575)	2,825	189,951	31,192	26,892	16,045
12/8/2017	Fri	40	666,009	284,767	381,242	76,334	24,089	1,053	7,540	242,440	44,328	6,460	(23,827)	2,825	214,408	31,123	24,870	14,367
12/9/2017	Sat	34	582,142	245,540	336,602	74,459	19,415	1,034	6,490	216,083	44,795	3,123	(31,622)	2,825	167,573	31,023	32,449	14,495
12/10/2017	Sun	34	614,517	263,379	351,137	73,576	19,396	1,100	6,766	230,575	44,145	4,233	(31,478)	2,825	184,788	30,980	32,687	14,925
12/11/2017	Mon	28	541,498	226,142	315,356	73,756	15,925	1,163	6,299	198,555	45,889	3,959	(33,014)	2,825	146,805	30,239	33,679	15,418
12/12/2017	Tue	42	758,460	319,505	438,955	81,190	28,103	1,119	8,678	283,703	44,556	12,530	(23,749)	2,825	247,691	30,896	25,052	15,867
12/13/2017	Wed	39	732,713	310,342	422,371	82,476	28,314	1,315	7,954	266,026	44,510	9,941	(20,990)	2,825	240,060	30,883	22,566	16,832
12/14/2017	Thu	44	728,090	313,052	415,038	86,183	28,319	1,383	8,159	258,234	44,749	8,893	(23,707)	2,825	240,903	30,800	25,427	15,922
12/15/2017	Fri	40	689,700	294,452	395,248	85,307	23,595	1,202	7,557	246,900	45,209	8,165	(25,512)	2,825	221,844	30,524	26,394	15,690
12/16/2017	Sat	27	575,620	245,996	329,625	80,610	6,932	827	6,701	203,826	45,654	5,632	(23,383)	2,825	175,493	30,861	24,134	15,509
12/17/2017	Sun	26	520,519	215,973	304,545	79,858	6,880	830	5,781	176,130	45,279	6,349	(19,387)	2,825	150,703	30,456	20,217	14,598
12/18/2017	Mon	21	470,103	199,903	270,199	78,520	6,826	702	5,232	142,518	46,272	7,491	(20,186)	2,825	133,621	30,564	20,401	15,318
12/19/2017	Tue	21	424,442	179,425	245,017	72,123	6,787	813	4,635	123,254	44,691	10,754	(20,865)	2,825	113,174	30,484	20,818	14,950
12/20/2017	Wed	30	541,482	231,188	310,294	79,467	6,942	834	6,050	176,822	44,828	12,724	(20,197)	2,825	163,168	30,411	20,660	16,948
12/21/2017	Thu	22	487,638	207,495	280,143	78,753	6,867	780	5,436	157,255	44,925	5,515	(22,032)	2,825	140,578	30,394	22,354	14,169
12/22/2017	Fri	11	329,334	133,434	195,901	73,799	6,801	653	3,429	85,311	44,635	307	(21,860)	2,825	66,803	30,337	21,009	15,284
12/23/2017	Sat	26	460,912	202,652	258,260	79,414	6,789	954	5,410	143,413	44,812		(25,357)	2,825	131,950	30,269	22,865	17,568

All Values in MCF			Total PNG / PED	PED	PNG	DETI	TETCO	TGP	NFG	AVC	Local Production SS/Transp.	Dice Storage	Net Exchange	CPA Exchange	Equitrans	Local Production	Net Exchange	Peoples Ptwp
Date	Day	Actual HDD																
12/24/2017	Sun	37	524,679	231,672	293,008	80,306	16,246	958	6,197	167,588	44,782	-	(25,894)	2,825	160,009	30,210	24,504	16,949
12/25/2017	Mon	47	740,322	318,647	421,675	79,645	30,486	1,351	8,729	266,906	45,064	9,722	(23,052)	2,825	248,935	30,106	22,707	16,898
12/26/2017	Tue	53	810,661	348,026	462,634	79,448	30,532	12,962	9,718	284,924	45,189	14,524	(17,487)	2,825	284,369	30,042	16,344	17,272
12/27/2017	Wed	57	907,697	391,781	515,916	84,072	30,591	12,979	10,508	317,585	50,390	24,904	(17,937)	2,825	329,800	29,975	15,054	16,953
12/28/2017	Thu	55	900,581	392,472	508,109	88,419	30,554	12,906	9,658	311,256	51,775	24,931	(24,215)	2,825	327,808	29,731	18,110	16,823
12/29/2017	Fri	49	832,336	360,809	471,527	81,323	34,216	13,046	9,014	281,102	50,292	23,070	(23,362)	2,825	295,289	29,616	19,288	16,616
12/30/2017	Sat	55	859,234	367,105	492,129	84,652	34,246	13,017	9,915	300,032	51,075	21,715	(25,346)	2,825	310,814	29,913	18,180	8,198
12/31/2017	Sun	59	913,930	387,842	526,088	85,150	34,276	13,126	10,304	330,219	51,437	24,415	(25,663)	2,825	333,178	29,893	19,987	4,785
1/1/2018	Mon	57	966,417	408,106	558,311	80,229	37,441	13,008	10,397	359,362	52,685	24,343	(22,909)	3,755	345,174	31,174	18,513	13,245
1/2/2018	Tue	58	976,804	416,600	560,743	82,730	37,672	12,961	10,676	364,886	53,073	21,576	(26,586)	3,755	352,556	31,140	19,574	12,791
1/3/2018	Wed	49	862,617	363,605	499,012	78,832	37,490	12,926	8,999	315,693	53,073	13,022	(24,778)	3,755	299,907	31,220	20,500	11,977
1/4/2018	Thu	59	993,077	410,441	582,636	89,861	39,384	20,411	10,866	375,596	53,073	11,457	(21,767)	3,755	365,165	16,907	11,675	16,694
1/5/2018	Fri	61	1,092,495	474,137	618,357	83,614	40,728	22,576	11,812	405,867	53,073	18,940	(22,007)	3,755	414,800	31,236	17,113	10,989
1/6/2018	Sat	62	1,079,042	469,834	609,208	57,395	41,183	25,261	12,140	404,890	53,073	22,720	(11,209)	3,755	419,343	30,360	7,877	12,255
1/7/2018	Sun	46	849,215	368,232	480,983	54,704	25,908	11,613	8,953	323,026	53,073	8,318	(8,367)	3,755	318,116	30,376	8,625	11,115
1/8/2018	Mon	33	660,716	277,141	383,575	40,997	24,954	12,321	6,837	242,212	53,058	-	(559)	3,755	229,018	30,889	37	17,198
1/9/2018	Tue	36	651,237	276,837	374,400	54,257	24,009	1,084	7,465	233,587	50,568	-	(325)	3,755	230,038	31,118	(754)	16,434
1/10/2018	Wed	28	549,194	237,352	311,842	25,754	10,623	731	5,354	210,929	50,231	-	4,465	3,755	197,617	31,165	(5,579)	14,150
1/11/2018	Thu	10	353,498	144,438	209,060	66,050	9,779	829	2,823	92,971	48,003	-	(15,150)	3,755	85,636	31,131	14,349	13,323
1/12/2018	Fri	30	540,712	236,840	303,872	70,121	20,254	965	6,711	159,927	47,736	-	(5,597)	3,755	185,626	30,772	5,829	14,614
1/13/2018	Sat	59	914,716	424,453	490,263	53,586	24,220	9,839	9,839	295,491	47,702	17,151	2,965	3,755	375,554	30,793	286	17,820
1/14/2018	Sun	55	936,989	437,380	499,609	53,184	37,076	24,858	9,770	306,675	47,848	16,579	(136)	3,755	385,409	30,863	3,993	17,475
1/15/2018	Mon	45	806,440	353,916	452,524	54,083	36,218	26,403	8,453	276,168	49,860	4,684	(7,101)	3,755	299,351	30,907	8,754	14,904
1/16/2018	Tue	51	847,950	375,217	472,733	57,241	36,437	26,437	9,818	290,959	50,376	5,891	(8,181)	3,755	321,181	30,693	7,253	16,090
1/17/2018	Wed	55	996,664	449,057	547,606	50,748	37,259	23,462	10,373	361,659	48,210	18,548	(6,318)	3,755	393,622	30,769	7,058	17,608
1/18/2018	Thu	45	837,528	376,761	460,766	57,362	24,754	20,121	8,864	290,240	48,335	12,357	(5,022)	3,755	329,340	30,718	3,967	12,737
1/19/2018	Fri	33	628,513	275,578	352,935	57,958	24,607	10,149	6,841	203,767	48,136	1,496	(3,775)	3,755	234,730	30,690	1,798	8,360
1/20/2018	Sat	23	501,877	217,376	284,500	75,827	17,072	845	5,675	145,648	47,474	-	(11,796)	3,755	168,999	30,673	10,785	6,920
1/21/2018	Sun	19	438,380	182,773	255,607	71,428	17,022	814	4,986	117,450	47,173	-	(7,021)	3,755	137,829	30,648	6,460	7,837
1/22/2018	Mon	11	344,560	131,075	213,485	73,712	16,336	808	3,900	86,751	47,070	-	(18,847)	3,755	73,651	30,599	18,248	8,576
1/23/2018	Tue	28	527,693	221,489	306,203	78,658	17,112	814	6,258	193,050	37,001	-	(30,445)	3,755	153,495	30,513	28,994	8,487
1/24/2018	Wed	38	691,526	296,368	395,158	85,117	19,835	807	7,885	248,660	38,544	13,535	(22,980)	3,755	234,041	30,492	21,028	10,808
1/25/2018	Thu	39	708,290	301,015	407,275	85,076	19,929	821	8,002	260,910	37,093	12,430	(20,741)	3,755	240,071	30,361	19,246	11,336
1/26/2018	Fri	20	499,810	205,391	294,419	75,216	17,022	848	4,978	172,492	36,791	1,309	(17,992)	3,755	148,116	30,370	17,125	9,780
1/27/2018	Sat	22	419,531	170,797	248,734	67,279	16,139	822	4,928	137,510	36,164	(10)	(17,853)	3,755	114,055	30,411	17,707	8,624
1/28/2018	Sun	28	498,528	201,423	297,105	66,605	16,151	814	5,426	185,539	36,290	-	(17,474)	3,755	142,584	30,277	17,612	10,950
1/29/2018	Mon	34	593,859	241,139	352,720	81,399	16,208	845	6,545	217,375	36,594	2,124	(12,125)	3,755	188,031	30,272	12,499	10,337
1/30/2018	Tue	52	835,626	347,558	488,068	85,007	29,418	21,313	9,339	274,874	37,195	22,065	5,101	3,755	306,770	30,148	(4,258)	14,898
1/31/2018	Wed	33	615,079	248,851	366,227	83,555	17,219	5,801	6,573	193,469	37,094	24,830	(6,069)	3,755	202,955	30,172	5,837	9,887
2/1/2018	Thu	37	610,141	249,486	360,655	70,380	24,074	10,138	7,267	203,160	47,052	7,827	(12,027)	2,784	196,135	27,077	13,339	12,935
2/2/2018	Fri	52	876,988	380,955	496,033	79,060	28,831	10,151	9,570	310,035	47,047	24,516	(15,961)	2,784	320,815	27,074	16,449	16,617
2/3/2018	Sat	37	698,638	302,638	396,000	77,837	23,852	9,890	7,448	235,696	47,315	15,446	(24,268)	2,784	240,213	26,994	23,725	11,707
2/4/2018	Sun	40	649,141	269,713	379,428	73,244	23,923	7,398	7,429	231,244	46,239	11,076	(23,909)	2,784	208,231	26,953	23,011	11,518
2/5/2018	Mon	46	738,322	308,415	429,907	73,449	24,040	10,443	8,300	265,746	48,123	14,643	(17,621)	2,784	251,000	26,848	18,268	12,299
2/6/2018	Tue	38	699,506	292,705	406,801	81,025	19,193	7,649	7,607	247,361	46,564	12,827	(18,209)	2,784	233,460	26,853	17,847	14,546
2/7/2018	Wed	41	739,052	312,380	426,673	73,542	19,315	7,542	8,294	269,891	46,416	14,762	(15,874)	2,784	255,345	26,834	16,051	14,149
2/8/2018	Thu	45	789,001	331,347	457,654	78,417	23,894	10,615	8,964	286,247	49,205	15,923	(18,395)	2,784	270,341	26,887	20,252	13,867
2/9/2018	Fri	33	618,757	260,082	358,675	74,887	17,331	850	6,446	231,091	38,487	10,838	(24,040)	2,784	198,334	26,735	24,341	10,673
2/10/2018	Sat	25	481,540	200,596	280,944	68,557	9,602	734	5,370	170,939	45,176	1,506	(23,724)	2,784	138,830	26,777	24,340	10,650
2/11/2018	Sun	24	483,379	199,539	283,840	72,634	9,653	731	5,652	160,227	47,897	7,867	(23,606)	2,784	138,597	26,741	23,771	10,431
2/12/2018	Mon	39	647,448	269,908	377,540	72,522	24,665	930	7,304	220,660	45,501	21,827	(18,653)	2,784	209,733	26,781	19,677	13,717
2/13/2018	Tue	30	530,029	215,162	314,868	71,284	12,395	726	5,499	187,698	46,204	17,298	(29,020)	2,784	147,304	26,737	29,393	11,728
2/14/2018	Wed	14	386,621	152,172	234,449	71,126	11,494	671	4,057	114,704	45,887	11,777	(28,052)	2,784	86,082	26,670	27,989	11,431
2/15/2018	Thu	10	292,667	117,477	175,189	68,693	9,965	731	2,823	75,868	49,757	-	(35,432)	2,784	44,862	26,496	34,931	11,189

All Values in MCF			Total PNG / PED	PED	PNG	DETI	TETCO	TGP	NFG	AVC	Local Production SS/Transp.	Dice Storage	Net Exchange	CPA Exchange	Equitrans	Local Production	Net Exchange	Peoples Ptwp
Date	Day	Actual HDD																
2/16/2018	Fri	29	572,059	237,254	334,804	63,435	16,146	990	6,706	208,326	47,637	15,059	(26,279)	2,784	168,270	26,477	26,863	15,644
2/17/2018	Sat	34	593,320	254,088	339,232	54,436	16,178	934	6,543	216,527	45,467	18,884	(22,521)	2,784	187,481	26,518	23,477	16,612
2/18/2018	Sun	26	543,860	232,581	311,279	55,532	11,489	981	5,487	198,018	45,793	18,794	(27,599)	2,784	161,775	26,509	28,242	16,055
2/19/2018	Mon	9	363,669	139,202	224,466	52,442	11,520	643	3,525	121,869	45,334	13,464	(27,115)	2,784	71,220	26,352	26,781	14,850
2/20/2018	Tue	0	237,556	92,592	144,964	52,514	5,573	730	1,648	47,209	48,696	1,868	(16,059)	2,784	39,359	26,349	15,057	11,827
2/21/2018	Wed	10	352,052	148,543	203,509	52,724	8,844	687	4,307	100,009	49,001	5,325	(20,172)	2,784	89,187	26,400	19,468	13,488
2/22/2018	Thu	23	497,769	213,268	284,501	47,110	11,430	706	4,959	185,264	46,804	13,401	(27,957)	2,784	143,761	26,254	27,928	15,326
2/23/2018	Fri	11	338,447	145,427	193,020	41,800	11,312	768	3,239	114,605	46,832	1,661	(29,982)	2,784	74,508	26,269	29,482	15,168
2/24/2018	Sat	12	370,651	159,976	210,675	40,290	11,361	703	3,764	139,202	46,583	-	(34,012)	2,784	82,294	26,294	33,578	17,810
2/25/2018	Sun	19	397,956	169,831	228,125	41,254	11,350	736	4,113	153,233	46,733	1,148	(33,226)	2,784	92,735	26,272	33,108	17,716
2/26/2018	Mon	25	480,970	201,661	279,309	42,824	11,512	705	4,763	185,283	46,762	12,626	(27,950)	2,784	129,566	26,141	28,231	17,723
2/27/2018	Tue	18	428,954	179,349	249,605	46,076	11,480	739	4,334	149,861	46,672	16,078	(28,420)	2,784	108,602	26,208	28,685	15,855
2/28/2018	Wed	11	330,160	137,993	192,167	40,772	11,075	722	3,296	98,711	47,105	12,942	(25,240)	2,784	71,208	26,155	24,837	15,794
3/1/2018	Thu	22	464,773	195,543	269,230	64,662	11,519	626	4,909	147,431	45,830	9,247	(17,805)	2,810	136,386	26,611	18,028	14,469
3/2/2018	Fri	33	612,400	261,504	350,897	64,980	15,578	834	6,557	219,262	43,566	8,430	(11,122)	2,810	209,217	26,549	12,215	13,522
3/3/2018	Sat	32	578,620	247,862	330,758	66,863	15,228	727	6,280	207,639	43,259	523	(12,572)	2,810	192,144	26,467	13,355	15,896
3/4/2018	Sun	33	582,829	253,073	329,756	66,172	15,275	735	6,416	205,939	43,970	1,471	(13,033)	2,810	196,475	26,560	14,132	15,905
3/5/2018	Mon	30	558,546	235,982	322,564	65,329	15,314	731	6,013	203,229	44,023	9,836	(24,722)	2,810	168,738	26,556	25,504	15,184
3/6/2018	Tue	25	532,859	221,484	311,376	61,746	15,350	739	5,854	197,617	38,663	10,285	(23,689)	2,810	155,024	26,479	24,435	15,546
3/7/2018	Wed	34	605,859	262,305	343,554	64,009	20,140	879	6,521	219,247	37,799	12,410	(20,261)	2,810	197,954	26,499	21,141	16,712
3/8/2018	Thu	37	660,545	288,855	371,689	62,648	20,229	874	7,329	238,423	38,658	14,974	(14,256)	2,810	230,628	26,494	15,527	16,207
3/9/2018	Fri	41	693,419	301,855	391,564	49,987	28,236	18,394	7,223	251,249	41,792	14,895	(23,023)	2,810	233,383	26,301	24,317	17,855
3/10/2018	Sat	36	568,967	246,329	322,638	55,975	25,949	15,342	6,592	194,161	41,396	1,017	(20,605)	2,810	181,385	25,877	21,794	17,273
3/11/2018	Sun	32	569,157	243,065	326,092	52,484	27,419	15,375	6,290	195,766	41,114	5,023	(20,190)	2,810	178,610	26,481	20,955	17,019
3/12/2018	Mon	31	598,749	262,462	336,287	54,988	27,263	15,272	6,179	205,939	41,826	1,438	(19,429)	2,810	199,461	26,350	20,336	16,316
3/13/2018	Tue	37	654,845	276,483	378,362	51,704	24,577	15,419	6,917	252,403	39,504	5,948	(20,921)	2,810	211,814	26,326	22,556	15,786
3/14/2018	Wed	36	707,044	301,581	405,463	52,183	24,458	10,465	7,453	264,151	41,937	8,476	(6,471)	2,810	250,789	26,394	8,186	16,212
3/15/2018	Thu	33	616,047	264,363	351,685	55,472	25,348	10,412	7,096	220,554	41,256	8,902	(20,166)	2,810	198,612	26,307	22,025	17,419
3/16/2018	Fri	37	651,284	274,986	376,297	55,937	25,308	10,441	7,627	240,852	44,858	8,308	(19,845)	2,810	209,589	26,256	20,088	19,053
3/17/2018	Sat	36	629,304	270,547	358,757	56,984	25,306	9,007	6,207	224,051	47,566	6,839	(20,014)	2,810	206,079	26,200	20,078	18,190
3/18/2018	Sun	24	486,475	210,679	275,795	57,745	25,264	10,376	5,085	157,152	43,472	3,847	(29,957)	2,810	141,486	26,243	26,116	16,833
3/19/2018	Mon	21	431,110	180,939	250,172	52,844	16,620	6,379	5,067	155,545	39,161	169	(28,424)	2,810	119,216	19,940	24,617	17,166
3/20/2018	Tue	34	594,418	240,365	354,053	56,629	20,364	8,608	6,235	234,539	39,117	9,276	(23,526)	2,810	191,252	19,609	20,216	9,288
3/21/2018	Wed	38	629,230	258,584	370,646	59,624	25,281	9,996	6,556	245,338	39,037	8,152	(26,150)	2,810	206,448	19,714	22,871	9,552
3/22/2018	Thu	36	585,223	242,325	342,898	61,603	25,353	11,020	6,462	215,486	40,197	3,892	(23,926)	2,810	192,972	19,961	20,339	9,054
3/23/2018	Fri	35	570,543	239,787	330,756	60,029	25,216	11,013	6,405	209,662	40,918	2,085	(27,383)	2,810	186,477	20,166	24,160	8,984
3/24/2018	Sat	33	537,996	224,608	313,388	60,306	20,515	7,483	6,184	198,656	50,274	-	(32,841)	2,810	166,996	20,288	29,551	7,773
3/25/2018	Sun	31	540,603	225,549	315,054	56,282	20,593	7,493	5,716	217,145	40,947	-	(35,933)	2,810	164,686	20,273	32,455	8,134
3/26/2018	Mon	22	446,247	181,176	265,072	59,030	20,551	7,452	4,477	168,275	41,615	-	(39,140)	2,810	116,899	20,439	35,648	8,190
3/27/2018	Tue	21	429,918	171,650	258,268	57,606	11,059	782	4,517	150,413	40,135	0	(9,055)	2,810	136,334	20,335	7,034	7,946
3/28/2018	Wed	11	316,165	130,459	185,706	49,852	11,094	578	3,158	91,874	39,989	3,510	(17,159)	2,810	89,640	20,147	14,050	6,622
3/29/2018	Thu	16	290,000	122,145	167,855	49,716	8,303	656	3,601	74,912	37,536	5,005	(14,685)	2,810	85,666	19,911	10,327	6,241
3/30/2018	Fri	32	495,800	214,270	281,531	57,301	8,217	649	6,093	167,968	39,440	5,767	(6,715)	2,810	183,109	19,284	3,985	7,892
3/31/2018	Sat	20	345,190	154,636	190,553	48,192	8,114	598	3,956	105,318	40,260	335	(19,031)	2,810	115,447	17,427	15,567	6,196

Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service

COS 12. Please provide a copy of the load duration curve used by the Company for capacity planning purposes. Please also identify the numerical data points shown for each day on the curve.

* * * * *

Peoples does not use a load duration curve for capacity planning purposes. Refer to page 2 of this response for Peoples' design day requirements and supply, which is used for capacity planning purposes.

Peoples Natural Gas
Peak Day Design
Design Day: 74 HDDs
(All Volumes in MMcf @ 14.73 Psia)

Exhibit 17, COS-12
Page 2 of 2
Respondent: Joseph A. Gregorini

<u>REQUIREMENTS</u>	<u>Total DD</u>
<u>Peoples Supplied Customers</u>	
Residential	562.4
Small General Service	84.4
Medium General Service	42.7
Large General Service	2.3
Subtotal	691.9
<u>P-1 NGS Supplied Customers (Standby)</u>	
Priority One - Residential	119.8
Priority One - Small General Service	7.8
Priority One - Medium General Service	20.9
Priority One - Large General Service	2.6
	151.1
<u>Balancing</u>	
Residential	0.0
Small General Service	22.3
Medium General Service	65.1
Large General Service	37.0
Subtotal	124.4
<u>NP-1 NGS Supplied Customers</u>	
Residential	0.0
Small General Service	22.9
Medium General Service	74.2
Large General Service	156.5
Subtotal	253.6
Company Use	9.0
Unaccounted	52.2
	61.1
<u>TOTAL REQUIREMENTS</u>	1,282.1

Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service

COS 13. Please provide the following for the Company's ten largest transportation customers during peak month of the most recent heating season:

- a. actual consumption;
- b. volume delivered to the Company on their behalf, if applicable;
- c. daily nomination.

* * * * *

- a.) The actual consumption is provided on page 2 of 3.
- b.) Most of the customers shown on page 2 of 3 were served from Non-Priority One Pools. As such, supply nominations for these customers were part of an aggregate monthly nomination submitted by the Pool Operator.
- c.) Refer to page 3 of 3.

**Peoples Natural Gas Company LLC
Ten Largest Accounts - Usage In Mcf
Peak Month - January 2018**

Account	Amount	Nominations
A	1,247,881	Direct
B	235,851	In Pool
C	199,102	Direct
D	175,223	In Pool
E	169,504	In Pool
F	134,970	In Pool
G	113,907	In Pool
H	110,129	In Pool
I	108,915	In Pool
J	93,697	In Pool

**Peoples Natural Gas Company LLC
Daily Nomination Accounts (dth)
Peak Month - January 2018**

<u>Gas Day</u>	<u>Customer A</u>	<u>Customer C</u>
1	34,000	154
2	34,000	3,833
3	34,000	-
4	34,000	1,917
5	34,000	18,343
6	44,000	19,739
7	44,000	7,618
8	44,000	-
9	44,000	-
10	44,000	-
11	44,000	-
12	44,000	3,312
13	50,000	48,687
14	50,000	56,534
15	50,000	22,684
16	50,000	8,145
17	50,000	45,419
18	50,000	19,483
19	50,000	1,533
20	50,000	-
21	50,000	-
22	50,000	-
23	50,000	-
24	50,000	-
25	50,000	-
26	50,000	-
27	50,000	-
28	50,000	-
29	50,000	-
30	50,000	-
31	24,000	-

**Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service**

- COS 14. Please provide a summary identifying the salient features of each of the following. Salient features include contract party, effective term and applicable contract quantities (daily, annual, seasonal. etc.).
- a. All firm transportation agreements by type greater than one month in length. Indicate whether the capacity is available at the Company's citygate to meet design day requirements or is upstream capacity.
 - b. All firm storage, gathering and exchange agreements. Indicate if each agreement provides design day capacity at the citygate or requires separate transportation (identify) service to effectuate delivery. Include on-system storage and peak shaving facilities used by the Company and identify all ratcheting provisions applicable to the Company's contractual and on-system storage arrangements.

* * * * *

Refer to pages 2-3.

TRANSPORTATION CAPACITY

PIPELINE	SERVICE	DEMAND (DthD)	EXPIRATION DATE	CITYGATE CAPACITY	UPSTREAM CAPACITY	DOWNSTREAM PIPELINE
Dominion Transmission	FT	40,000	3/31/2034	YES	NO	N/A
Dominion Transmission	FTNN	40,000	3/31/2034	YES	NO	N/A
Equitrans	FTS	62,000-Summer 251,700-Winter	3/31/2034	NO	YES	Equitrans-AVC
Equitrans	FTS	62,000-Summer 251,700-Winter	12/31/2033	YES	NO	N/A
Equitrans	FTS	62,000-Summer 200,000-Winter	12/31/2033	YES	NO	N/A
Equitrans	NOFT	79,545	3/31/2034	YES	NO	N/A
Equitrans	FTS	164,935	3/31/2034	YES	NO	N/A
Equitrans	FTS	76,142-Summer 137,010-Winter	3/31/2034	YES	NO	N/A
Equitrans	FTS	26,915-Summer 50,536-Winter	3/31/2034	YES	NO	N/A
Texas Eastern	FT-1 (M3)	15,650	4/30/2019	YES	NO	N/A
National Fuel Gas	EFT	15,476	3/31/2019	YES	NO	N/A

STORAGE CAPACITY

PIPELINE	SERVICE	STORAGE DEMAND (DthD)	STORAGE CAPACITY (Dth)	EXPIRATION DATE	CONNECTING PIPELINE TRANSPORTATION
Dominion Transmission	GSS	40,000	2,480,000	3/31/2034	DTI
Dominion Transmission	GSS	40,000	4,600,000	3/31/2034	DTI
Equitrans	GSS	200,000	8,600,000	12/31/2033	Equitrans
Equitrans	60SS	137,010	7,473,296	3/31/2034	Equitrans
Equitrans	115SS	50,536	5,283,357	3/31/2034	Equitrans
National Fuel Gas	ESS	9,793	748,611	3/31/2019	National Fuel Gas

Interstate Pipeline Storage Ratchets

DTI-GSS:

SCQ Level

100% to 35%
<35% to 16%
<16% to 10%
<10% to 0%

MDQ

100% of MDQ
92% of MDQ
70% of MDQ
63% of MDQ

NFG-ESS:

SCQ Level

100% to 30%
<30% to 20%
<20% to 10%
<10% to 0%

MDQ

100% of MDQ
90% of MDQ
80% of MDQ
70% of MDQ

EQT-GSS:

SCQ Level

100% to 90%
<90% to 73%
<73% to 60%
<60% to 21%
<21%

MDQ

100% of MDQ
80% of MDQ
65% of MDQ
35% of MDQ
25% of MDQ

EQT-60SS and EQT-115SS:

SCQ Level

100% to 35%
<35% to 16%
<16% to 10%
<10% to 0%

MDQ

100% of MDQ %
92% of MDQ
70% of MDQ
63% of MDQ

On-System Storage Ratchets:

Peoples does not have on-system storage ratchets but does plan storage withdrawals to maintain winter season deliverability of:

32,000 Mcf at January 31
21,000 Mcf at February 28
15,000 Mcf at March 31

Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service

- COS 15. For the most recent annual period available, please identify the applicable monthly volumes and revenues under each rate schedule which were:
- a. Sold under a negotiated or market-based rate.
 - b. Transported under a negotiated or market-based rate.
 - c. Transported at full margin transportation rates.

* * * * *

Refer to page 2 of this response for Peoples Division and page 3 of this response for Equitable Division.

Peoples Natural Gas Company LLC
Peoples Division
Standard Data Request
Cost of Service
For the Twelve Months Ended September 30, 2018

COS 15 For the most recent annual period available, please identify the applicable monthly volumes and revenues under each rate schedule which were:

		Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	TTM Total
a. Sold under a negotiated or market-based rate.														
Volume Mcf		0	0	0	0	0	0	0	0	0	0	0	0	0
Revenue \$		0	0	0	0	0	0	0	0	0	0	0	0	0
b. Transported under a negotiated or market-based rate.														
Volume Mcf														
Commercial	SGS	1,794	3,234	6,508	13,211	7,152	7,370	7,118	4,533	1,428	883	1,347	850	55,427
Commercial	MGS	48,319	66,405	128,170	237,609	154,786	137,257	155,285	103,729	29,713	16,491	32,961	26,055	1,136,778
Commercial	LGS	55,312	99,386	151,226	218,358	229,629	159,286	211,812	124,467	69,097	62,382	67,725	46,561	1,495,239
Industrial	SGS	2	1	293	446	591	315	93,625	(93,077)	6	11	6	40	2,259
Industrial	MGS	4,447	6,872	17,653	16,725	16,512	12,283	13,831	8,781	5,971	5,770	8,562	1,070	118,477
Industrial	LGS	1,003,990	1,158,009	1,349,075	1,489,707	1,661,316	1,343,649	1,428,368	1,375,003	1,131,511	1,040,467	1,002,600	974,353	14,958,047
Total Transport Negotiated Volume		1,113,865	1,333,906	1,652,924	1,976,056	2,069,986	1,660,159	1,910,038	1,523,436	1,237,726	1,126,004	1,113,200	1,048,928	17,766,227
Revenue \$														
Commercial	SGS	7,554	10,538	19,500	37,210	20,356	21,830	21,035	14,676	6,063	4,062	6,575	4,117	173,516
Commercial	MGS	129,582	169,121	317,101	575,888	371,694	337,723	374,560	259,216	86,356	51,629	96,248	75,811	2,844,929
Commercial	LGS	68,460	105,444	158,083	217,143	221,241	164,264	198,831	142,056	83,246	74,081	82,739	57,599	1,573,186
Industrial	SGS	82	82	712	879	1,112	704	43,393	(42,135)	143	146	191	159	5,466
Industrial	MGS	7,592	11,702	28,349	21,043	22,417	17,124	20,857	14,306	11,263	11,042	13,910	1,246	180,851
Industrial	LGS	735,344	846,884	918,420	1,065,686	1,253,316	932,163	1,049,489	978,259	833,757	768,029	799,574	727,400	10,908,322
Total Transport Negotiated Revenue		948,613	1,143,771	1,442,166	1,917,849	1,890,136	1,473,807	1,708,165	1,366,378	1,020,827	908,990	999,236	866,332	15,686,271
c. Transported at full margin transportation rates.														
Volume Mcf														
Residential		179,238	620,147	1,012,540	1,768,090	1,214,465	1,025,131	974,313	455,418	174,916	119,875	120,855	101,161	7,766,150
Commercial	SGS	50,297	158,403	278,407	551,666	374,458	330,412	305,721	143,098	52,360	39,422	43,248	34,194	2,361,684
Commercial	MGS	181,332	426,561	662,627	1,128,928	837,351	717,332	722,541	368,060	184,265	146,944	160,012	117,484	5,653,436
Commercial	LGS	94,918	131,126	193,873	259,095	264,236	196,550	245,619	158,649	133,934	114,358	144,125	71,066	2,007,549
Industrial	SGS	73	204	993	900	1,557	864	2,165	(618)	3,695	(3,433)	85	126	6,610
Industrial	MGS	38,311	52,015	56,602	77,263	75,494	67,431	70,575	67,382	48,983	50,704	66,472	7,126	678,356
Industrial	LGS	173,115	208,698	249,139	278,706	282,498	235,229	275,430	215,041	265,255	231,301	252,219	150,753	2,817,384
Total Transport Full Margin Volume		717,284	1,597,152	2,454,182	4,064,648	3,050,058	2,572,947	2,596,362	1,407,030	863,408	699,171	787,018	481,909	21,291,168
Revenue \$														
Residential		2,197,546	4,533,309	6,693,738	10,898,013	7,748,577	6,739,518	6,507,214	3,723,165	2,103,870	1,726,923	1,840,838	1,510,657	56,223,368
Commercial	SGS	297,522	650,304	1,061,745	2,001,896	1,383,940	1,243,891	1,166,782	625,557	309,404	255,372	291,289	227,804	9,515,507
Commercial	MGS	662,229	1,455,603	2,203,791	3,704,690	2,764,006	2,382,220	2,410,531	1,286,550	693,084	555,939	612,623	456,969	19,188,235
Commercial	LGS	284,074	390,388	542,235	755,053	770,518	576,552	709,198	469,081	392,373	325,030	416,833	207,478	5,838,812
Industrial	SGS	10,384	10,793	12,320	13,456	14,646	12,550	13,769	11,256	20,702	541	10,590	10,501	141,507
Industrial	MGS	90,411	128,835	138,184	187,635	183,381	164,093	171,812	164,081	120,117	120,380	163,813	61,325	1,694,068
Industrial	LGS	366,091	443,873	526,038	585,461	593,046	495,532	578,230	454,583	558,705	471,808	542,645	290,701	5,906,712
Total Transport Full Margin Revenue		3,908,256	7,613,105	11,178,050	18,146,204	13,458,114	11,614,356	11,557,537	6,734,271	4,198,255	3,455,994	3,878,632	2,765,435	98,508,208

Peoples Natural Gas Company LLC
Equitable Division
Standard Data Request
Cost of Service
For the Twelve Months Ended September 30, 2018

COS 15 For the most recent annual period available, please identify the applicable monthly volumes and revenues under each rate schedule which were:

		Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	TTM Total
a. Sold under a negotiated or market-based rate.														
Volume Mcf		0	0	0	0	0	0	0	0	0	0	0	0	0
Revenue \$		0	0	0	0	0	0	0	0	0	0	0	0	0
b. Transported under a negotiated or market-based rate.														
Volume Mcf														
Commercial	SGS	2,293	7,481	14,343	19,391	15,516	12,750	11,747	5,341	2,700	274	1,836	1,142	94,813
Commercial	LGS	145,203	200,848	318,623	397,695	455,357	305,916	340,718	254,251	144,512	140,118	144,874	134,873	2,982,988
Industrial	SGS	2	17	18	33	30	19	20	10	1	2	1	2	155
Industrial	LGS	811,043	829,571	1,114,414	1,276,914	1,797,327	1,339,240	1,446,570	1,291,230	1,233,801	1,138,813	1,225,074	1,090,417	14,594,414
Total Transport Negotiated Volume		958,540	1,037,917	1,447,398	1,694,033	2,268,230	1,657,925	1,799,055	1,550,832	1,381,014	1,279,207	1,371,785	1,226,434	17,672,369
Revenue \$														
Commercial	SGS	15,512	27,877	50,224	64,989	51,646	45,152	41,976	24,741	16,080	6,162	14,658	9,321	368,336
Commercial	LGS	244,757	366,382	539,474	669,686	739,213	525,097	572,249	402,115	257,705	225,723	49,451	212,119	4,803,971
Industrial	SGS	107	148	146	183	175	148	150	126	107	104	101	102	1,595
Industrial	LGS	385,216	346,325	456,295	448,801	896,527	447,260	484,174	433,373	453,360	440,293	516,790	458,156	5,766,571
Total Transport Negotiated Revenue		645,592	740,732	1,046,138	1,183,658	1,687,561	1,017,656	1,098,549	860,355	727,252	672,282	581,000	679,697	10,940,474
c. Transported at full margin transportation rates.														
Volume Mcf														
Residential		36,755	123,996	242,837	453,674	312,617	250,248	249,295	108,649	35,117	31,268	31,280	28,692	1,904,426
Commercial	SGS	18,486	60,954	151,423	260,012	214,851	162,985	159,674	66,282	24,713	21,618	25,113	19,151	1,185,263
Commercial	LGS	164,446	334,120	602,985	885,583	821,515	615,778	632,181	360,081	165,243	143,900	148,253	121,265	4,995,350
Industrial	SGS	102	549	1,407	2,716	2,711	1,891	1,973	628	97	37	51	14	12,175
Industrial	LGS	15,573	39,432	65,260	60,129	76,381	53,057	60,225	36,366	23,703	24,689	38,959	6,238	500,011
Total Transport Full Margin Volume		235,361	559,051	1,063,912	1,662,114	1,428,075	1,083,959	1,103,349	572,006	248,873	221,512	243,655	175,360	8,597,225
Revenue \$														
Residential		455,068	899,758	1,553,432	2,716,460	1,919,809	1,597,615	1,597,975	871,636	469,448	445,889	479,528	418,615	13,425,230
Commercial	SGS	114,626	269,655	604,536	1,002,858	833,158	652,344	640,593	306,915	155,340	145,598	172,662	131,151	5,029,437
Commercial	LGS	684,968	1,265,415	2,143,543	3,082,800	2,832,876	2,188,985	2,242,379	1,353,205	723,563	638,801	699,551	542,286	18,398,372
Industrial	SGS	42,273	43,735	46,201	50,192	50,340	47,866	48,031	43,883	42,475	42,248	42,721	41,697	541,661
Industrial	LGS	12,954	90,775	177,445	155,579	207,595	136,110	158,356	82,927	43,940	45,107	93,110	(14,106)	1,189,791
Total Transport Full Margin Revenue		1,309,888	2,569,337	4,525,157	7,007,889	5,843,777	4,622,920	4,687,333	2,658,566	1,434,765	1,317,644	1,487,571	1,119,644	38,584,490

**Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service**

COS 16. Please provide the following for each curtailment during the last three years:

- a. Dates of curtailment.
- b. Type of curtailment (from service, interruptible service, both).
- c. Whether curtailment was related to amount of capacity on the Company's system, other capacity or supply related.
- d. Rate schedule that curtailed volumes would have been billed under.
- e. Curtailed volumes by rate schedule.
- f. Actual volumes moved by rate schedule.

* * * * *

During the last three years, Peoples' has not curtailed any of its services or customers.

**Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service**

COS 17. Please identify the Company's design day planning criteria and the probability of design day occurrence. Include any available documentation supporting the Company's claimed probability of occurrence.

* * * * *

Peoples' design day planning criteria is based on Peoples being able to meet customer demands under design weather conditions that include a weekday occurrence of -9 degrees F mean temperature and an average wind speed of 15.8 mph. The probability of occurrence of a -9 degree F design day is one-in-eighteen years, based upon a design day study conducted in 1994 after the coldest day on record of January 19, 1994.

**Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service**

COS 18. For each customer class contained in the cost of service study, please provide monthly throughput by class.

* * * * *

Refer to Exhibit No. 19, RR-6.

Peoples Natural Gas Company LLC
§ 53.53 IV.III.COS.19

Response to Standard Data Requests
COST OF SERVICE INTERROGATORIES

19. Please provide all workpapers showing the development of each allocation factor reflected in the Company's cost of service study. Include a description of each allocation factor, all calculations performed to develop the allocators and all supporting documentation, studies or other information relied upon to determine the allocators.

* * * * *

Refer to the attached workpaper for calculations and supporting documentation for the external allocation factors used in the cost of service study. All other allocation factor calculations are contained in the cost of service study results presented in Exhibit 11, Schedule No. 1, in Items 53.53 IV-B-1(A) and 53.53 IV-B-1 (B). Additionally, allocation factors are further described in Exhibit 11, Schedule No. 3 (53.53 IV-B-3).

Peoples Natural Gas Company LLC

Lead Schedule

COS-19.1

Peoples Natural Gas LLC
External Allocator Values Workpapers
COS-19 Lead Schedule

Schedule	Allocation Factor	Description
COS-19.1	Lead Schedule	
COS-19.2	Cust_Avg	Average number of test year customers
COS-19.2	Revenues	Revenues
COS-19.2	Sales_Firm	Firm Sales Volumes
COS-19.2	THRUPUT	Total sales and transportation volume delivered to customers
COS-19.2	Transport-Thru	Total transportation volume
COS-19.3	Collections	Special study on Account Receivables amount
COS-19.4	ConnectionFee	Connection Fee Revenue
COS-19.5	Cust_Deposit	Customer Deposit Special Study
COS-19.6	CUST-902	Meter reading special Study
COS-19.7	CUST-903	Customer Accounts special Study
COS-19.8	CUST-908	Customer assistance special study
COS-19.9	CUST-912	Demonstrating and Selling Expense special study
COS-19.10	DesignDay	Maximum Estimated Volume of Gas Delivered to Customers on the Company's Peak day (Mcf)
COS-19.11	GatherVolumes	Gathering related delivered volumes
COS-19.12	Gas_Revenue	Energy related gas revenue
COS-19.13	Meter_Invest	Meter investment
COS-19.13	M&R Equipment	Industrial Meter & Regulator equipment
COS-19.14	Service_Invest	Services investment
COS-19.15	Winter6	Excess sales volumes in six winter months (December through May) over average sales volumes for rest of year
COS-19.16	Write-offs	Write-offs

COS-19.2

Cust_Avg_Revenues, Sales_Firm, THRUPUT, and Transport-Thru Allocators

Peoples Natural Gas Company LLC

Peoples Natural Gas Company LLC
Peoples Division

Supplemental Data Request - Cost of Service
Monthly Customers, Volume and Sales for Twelve Months Ended October 31, 2020

Salsthroughput by customer classification for each month of the (COS Period) (actual "Per booms" or forecasted and weather normalized) and adjusted for classes that will be moved or combined.

Table with columns: Line No., Period, Residential Sales, Commercial SGS Sales, Commercial MGS Transport, Commercial LGS Transport, Total Residential, Total Commercial SGS, Total Commercial MGS, Total Commercial LGS, Total Revenue. Rows include monthly data for 2019 and 2020, and total averages.

Table with columns: Line No., Period, Residential Sales, Commercial SGS Sales, Commercial MGS Transport, Commercial LGS Transport, Total Residential, Total Commercial SGS, Total Commercial MGS, Total Commercial LGS, Total Revenue. Rows include monthly data for 2019 and 2020, and total averages.

Table with columns: Line No., Period, Residential Sales, Commercial SGS Sales, Commercial MGS Transport, Commercial LGS Transport, Total Residential, Total Commercial SGS, Total Commercial MGS, Total Commercial LGS, Total Revenue. Rows include monthly data for 2019 and 2020, and total averages.

Table with columns: Line No., Period, Residential Sales, Commercial SGS Sales, Commercial MGS Transport, Commercial LGS Transport, Total Residential, Total Commercial SGS, Total Commercial MGS, Total Commercial LGS, Total Revenue. Rows include monthly data for 2019 and 2020, and total averages.

COS-19.2

Cust_Avg_Revenues, Sales_Firm, THRU PUT, and Transport-Thru Allocators

Peoples Natural Gas Company LLC

Peoples Natural Gas Company LLC

Peoples Division

Supplemental Data Request - Cost of Service

Monthly Customers, Volume and Sales for Twelve Months Ended October 31, 2020

Sales through by customer classification for each month of the (COS Period) (actual "Per booms" or forecasted and weather normalized) and adjusted for classes that will be moved or combined.

Line No.	Period	Industrial SGS Sales				Industrial SGS Transport				Total Industrial SGS			
		Customers	Volume (Mcf)	\$ Rate/Cust	\$ Rate/Cust	Customers	Volume (Mcf)	\$ Rate/Cust	\$ Rate/Cust	Customers	Volume (Mcf)	\$ Rate/Cust	\$ Rate/Cust
1	November 2019	7	241	22.22	1.845	23	1,335	22.79	2.67	3,558	4,082	1,576	22.66
2	December	8	350	22.22	1.70	23	1,796	22.79	2.67	4,788	5,312	31	2,147
3	January 2020	8	743	22.22	4.766	23	2,166	22.79	2.67	6,298	7,774	31	2,909
4	February	8	563	22.22	3.783	23	1,259	22.79	2.67	3,355	3,879	31	1,821
5	March	8	552	22.22	3.440	23	1,477	22.79	2.67	3,956	4,460	31	1,928
6	April	8	298	22.22	2.086	23	791	22.79	2.67	2,109	2,634	31	1,090
7	May	9	150	22.22	1.152	23	167	22.79	2.67	446	466	32	317
8	June	9	125	22.22	0.805	23	144	22.79	2.67	384	384	32	269
9	July	9	51	22.22	0.328	23	58	22.79	2.67	138	138	32	129
10	August	9	53	22.22	0.344	23	78	22.79	2.67	208	208	32	129
11	September	9	51	22.22	0.328	23	58	22.79	2.67	138	138	32	129
12	October	9	59	22.22	0.381	23	158	22.79	2.67	416	416	32	215
13	Total or Average	8	3,350	266.59	2.155	23	9,809	273.49	2.67	26,143	32,436	31	13,159

Line No.	Period	Industrial MGS Sales				Industrial MGS Transport				Total Industrial MGS			
		Customers	Volume (Mcf)	\$ Rate/Cust	\$ Rate/Cust	Customers	Volume (Mcf)	\$ Rate/Cust	\$ Rate/Cust	Customers	Volume (Mcf)	\$ Rate/Cust	\$ Rate/Cust
14	November 2019	25	15,713	69.76	1.744	83	76,114	72.24	2.26	5,996	172,279	178,275	91,827
15	December	27	20,648	69.76	5.98	81	84,220	72.24	2.26	5,851	190,625	196,477	106
16	January 2020	25	23,462	69.76	1.884	81	89,541	72.24	2.26	5,851	202,671	208,522	106
17	February	25	17,098	69.76	1.744	81	72,430	72.24	2.26	5,851	184,000	189,851	106
18	March	25	18,773	69.76	1.744	81	81,293	72.24	2.26	5,851	184,000	189,851	106
19	April	24	12,594	69.76	5.98	80	73,993	72.24	2.26	5,779	167,478	173,257	104
20	May	26	6,207	69.76	1.814	80	48,876	72.24	2.26	5,707	123,429	129,136	105
21	June	26	5,411	69.76	1.814	79	54,763	72.24	2.26	5,707	123,952	129,659	105
22	July	26	6,114	69.76	1.814	79	54,763	72.24	2.26	5,707	123,952	129,659	105
23	August	26	5,310	69.76	1.814	79	59,477	72.24	2.26	5,707	140,628	146,335	105
24	September	26	6,114	69.76	1.814	79	59,477	72.24	2.26	5,707	140,628	146,335	105
25	October	26	9,775	69.76	1.814	79	58,339	72.24	2.26	5,707	134,022	140,729	105
26	Total or Average	26	148,197	837.11	5.98	80	821,866	866.87	2.26	69,422	1,860,238	1,929,659	106

Line No.	Period	Industrial LGS Sales				Industrial LGS Transport				Total Industrial LGS			
		Customers	Volume (Mcf)	\$ Rate/Cust	\$ Rate/Cust	Customers	Volume (Mcf)	\$ Rate/Cust	\$ Rate/Cust	Customers	Volume (Mcf)	\$ Rate/Cust	\$ Rate/Cust
27	November 2019	2	4,598	499.52	6.05	999	27,832	1,096.76	1.09	17,353	1,769,549	1,886,903	109
28	December	2	2,743	499.52	6.05	999	16,602	1,096.76	1.09	17,353	1,948,425	2,065,778	109
29	January 2020	2	2,125	499.52	6.05	999	13,862	1,096.76	1.09	16,256	2,117,756	2,234,013	108
30	February	2	1,814	499.52	6.05	999	10,729	1,096.76	1.09	16,256	1,941,604	2,058,700	108
31	March	2	1,814	499.52	6.05	999	10,729	1,096.76	1.09	16,256	1,941,604	2,058,700	108
32	April	2	1,465	499.52	6.05	999	8,869	1,096.76	1.09	17,135	1,866,317	2,033,671	110
33	May	2	1,015	499.52	6.05	999	6,145	1,096.76	1.09	18,450	1,693,698	1,812,448	110
34	June	2	1,043	499.52	6.05	999	6,145	1,096.76	1.09	18,450	1,693,698	1,812,448	110
35	July	2	701	499.52	6.05	999	4,243	1,096.76	1.09	19,547	1,401,265	1,520,811	111
36	August	2	676	499.52	6.05	999	4,092	1,096.76	1.09	19,547	1,303,158	1,422,704	111
37	September	1	829	499.52	6.05	500	5,018	1,096.76	1.09	18,450	1,332,955	1,451,385	107
38	October	2	3,804	499.52	6.05	500	23,026	1,096.76	1.09	16,256	1,516,990	1,633,246	107
39	Total or Average	2	21,990	5,994.22	171.01	10,989	133,033	1,161.10	1.09	118,450	1,501,980	1,620,430	109

Line No.	Period	Total Sales				Overall Total						
		Customers	Volume (Mcf)	\$ Rate/Cust	\$ Rate/Cust	Customers	Volume (Mcf)	\$ Rate/Cust	\$ Rate/Cust			
27	November 2019	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
28	December	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
29	January 2020	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
30	February	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
31	March	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
32	April	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
33	May	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
34	June	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
35	July	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
36	August	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
37	September	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
38	October	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93
39	Total or Average	275,350	1,425	14.25	7.83	3,923,192	14,25	14.25	7.83	14,761,663	14,93	14.93

COS-19.2

Cust_Avg_Revenues, Sales_Firm, THRUPUT, and Transport-Thru Allocators

Peoples Natural Gas Company LLC

Peoples Natural Gas Company LLC

Equitable Division

Supplemental Data Request - Cost of Service

Monthly Customers, Volume and Sales for Twelve Months Ended October 31, 2020

Sales through by customer classification for each month of the (COS Period) (actual "Per booms" or forecasted and weather-normalized) and adjusted for classes that will be moved or combined.

Table with columns: Line No., Period, Residential Sales, Commercial SGS Sales, Commercial MGS Sales, Total Residential, Total Commercial SGS, Total Commercial MGS, Total Revenue, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost, Total Revenue, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost.

Table with columns: Line No., Period, Residential Sales, Commercial SGS Sales, Commercial MGS Sales, Total Residential, Total Commercial SGS, Total Commercial MGS, Total Revenue, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost, Total Revenue, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost.

Table with columns: Line No., Period, Residential Sales, Commercial SGS Sales, Commercial MGS Sales, Total Residential, Total Commercial SGS, Total Commercial MGS, Total Revenue, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost, Total Revenue, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost.

Table with columns: Line No., Period, Residential Sales, Commercial SGS Sales, Commercial MGS Sales, Total Residential, Total Commercial SGS, Total Commercial MGS, Total Revenue, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost, Total Revenue, Volume (Mcf), Rate/Mcf, Cost, Rate/Cost.

Peoples Natural Gas Company LLC

Cust_Avg_Revenues, Sales_Firm, THRU PUT, and Transport-Thru Allocators

COS-19.2

Peoples Natural Gas Company LLC
Equitable Division

Monthly Customers, Volume and Sales for Twelve Months Ended October 31, 2020

Sales through by customer classification for each month of the (COS Period) (actual "per booms" or forecasted and weather normalized) and adjusted for classes that will be moved or combined.

Table with columns: Line No., Period, Industrial SFG Sales, Industrial SFG Transport, Industrial LGS Transport, Total Industrial SFG, Total Industrial LGS, and Total Revenue. Rows include monthly data for 2019 and 2020, and total averages.

Table with columns: Line No., Period, Industrial SFG Sales, Industrial SFG Transport, Industrial LGS Transport, Total Industrial SFG, Total Industrial LGS, and Total Revenue. Rows include monthly data for 2019 and 2020, and total averages.

Use % of Low Income Population to project revenue

Projected Number of Residential Turn On Orders	Projected Number of Commercial Turn On Orders
Total Turn On Orders	19,692
Residential Percentage	95.50%
Residential Turn Ons	18,806
Reduction for low income waivers	26.3%
Billable Residential Turn Ons	13,860
Residential Turn On Fee Revenue	\$762,300
Commercial Turn On Fee Revenue	\$101,890

Projected Number of Residential Transfer Fees	Projected Number of Commercial Transfer Fees
Total Transfer Orders	70,696
Residential Percentage	59.99%
Residential Transfer Fees	42,409
Reduction for low income waivers	26.3%
Billable Residential Transfer Fee	31,255
Residential Transfer Fee Revenue	\$937,650
Total Residential Connection Fee Revenue	\$1,699,950
Commercial Transfer Fee Revenue	\$848,611
Total Commercial Connection Fee Revenue	\$950,501

TOTAL CONNECTION FEE REVENUE

\$2,650,451

All billable turn on fees are calculated at the rate of \$55 per residential customer and \$115 per commercial customer.

All billable transfer fees are calculated at the rate of \$30 per customer.

26.3 % comes from 2014 Universal Service and Energy Conservation Plan, Needs Analysis Attachment A

	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
COMBINED								
Residential Customers	224,811	0	0	0	23,133	0	0	0
Commercial Customers	0	12,232	607	3	0	3,838	1,275	40
Residential connection fee	\$1,541,346	\$0	\$0	\$0	\$158,604	\$0	\$0	\$0
Commercial connection fee	\$0	\$646,087	\$32,050	\$158	\$0	\$202,735	\$67,361	\$2,108
Connect_Fee	\$1,541,346	\$646,087	\$32,050	\$158	\$158,604	\$202,735	\$67,361	\$2,108

COS-19.5

Cust_Deposit Allocation Factor

Peoples Natural Gas Company LLC

**Peoples Natural Gas Company
Security Deposits by Class**

12 months ended September, 2018

	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
PNG								
Deposits by Class	\$ (13,090,597)	\$ (8,129,672)	\$ (2,507,549)	\$ (1,655,175)	\$ (274,340)	\$ (255,622)	\$ (193,840)	\$ (74,400)
3rd party suppliers	\$ (137,417)				\$ (39,451)	\$ (14,081)	\$ (39,694)	\$ (44,192)
Deposits Allocator	\$ (13,228,015)	\$ (8,129,672)	\$ (2,507,549)	\$ (1,655,175)	\$ (313,791)	\$ (269,703)	\$ (233,534)	\$ (118,592)
Transport peak day (allocate 3rd party suppliers deposits)					93,127	33,239	93,699	104,318

PED

Deposits by Class	\$ (9,595,019)	\$ (6,782,007)	\$ (1,511,064)	\$ (59,265)	\$ (748,399)	\$ (85,060)	\$ (3,000)	\$ (300,516)
3rd party suppliers	\$ (24,757)				\$ (3,224)	\$ (2,389)	\$ (8,046)	\$ (11,098)
Deposits Allocator	\$ (9,619,777)	\$ (6,782,007)	\$ (1,511,064)	\$ (59,265)	\$ (748,399)	\$ (88,284)	\$ (11,046)	\$ (311,614)
Transport peak day (allocate 3rd party suppliers deposits)					26,661	19,756	66,530	91,767

COS-19.6

CUST-902 Allocation Factor

Peoples Natural Gas Company LLC

Peoples Natural Gas Company
Account No. 902 - Meter Reading Expense

	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
PNG								
Total Customers	255,910	17,634	869	5	77,143	7,550	2,127	161
Residential Customers	255,910	0	0	0	77,143	0	0	0
Commercial Customers	0	17,626	843	3	0	7,527	2,047	54
Industrial Customers	0	8	26	2	0	23	80	107
GM&R Accounts	0	17	38	6	0	46	192	140
Manual Accounts (Res, small/med Comm, ex.GM&R)	255,910	17,609	805		77,143	7,481	1,855	

Allocator

GM&R Reads	\$ 177,561	\$ 6,875.94	\$ 15,370	\$ 2,427	\$ -	\$ 18,605	\$ 77,658	\$ 56,625
Manual Accounts	\$ 1,761,115	\$ 85,952.88	\$ 3,930	\$ -	\$ 376,542	\$ 36,517	\$ 9,055	\$ -
Meter Reading Other	\$ 173,096	\$ 8,446	\$ 416	\$ 2	\$ 36,948	\$ 3,616	\$ 1,019	\$ 77
Meter Reading Support Activities	\$ 1,409,326	\$ 67,588	\$ 13,157	\$ 1,621	\$ 275,950	\$ 39,200	\$ 58,549	\$ 37,841
Acct 902 Allocator	\$ 3,521,098	\$ 168,863	\$ 32,873	\$ 4,050	\$ 689,440	\$ 97,938	\$ 146,281	\$ 94,544

PED

	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
Total Customers	224,811	12,253	628	3	23,133	3,866	1,329	66
Residential Customers	224,811	0	0	0	23,133	0	0	0
Commercial Customers	0	12,232	607	3	0	3,838	1,275	40
Industrial Customers	0	20	21	0	0	28	54	26
GM&R Accounts	0	1	0	1	0	0	0	0
Manual Accounts (Res, small/med Comm, ex.GM&R)	224,811	12,231	607		23,133	3,838	1,275	

Allocator

GM&R Reads	\$ 20,485	\$ 10,242	\$ -	\$ 10,242	\$ -	\$ -	\$ -	\$ -
Manual Accounts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Meter Reading Other	\$ 438,910	\$ 20,211	\$ 1,035	\$ 5	\$ 38,158	\$ 6,377	\$ 2,193	\$ 109
Meter Reading Support Activities	\$ 603,583	\$ 487,212	\$ 1,360	\$ 13,463	\$ 50,134	\$ 8,379	\$ 2,881	\$ 143
Acct 902 Allocator	\$ 1,062,977	\$ 858,035	\$ 2,396	\$ 23,711	\$ 88,291	\$ 14,756	\$ 5,074	\$ 252

Peoples Natural Gas Company
Account 903 -Customer Records and Collections Expense

Item	RES - Sales		SGS - Sales		MGS - Sales		LGS - Sales		RES - Transport		SGS - Transport		MGS - Transport		LGS - Transport	
PNG																
Customers	361,400	255,910	17,634	869	5	77,143	7,550	2,127	161							
Dunning Statistics	21,599	15,834	670	10	0	4,773	287	24	1							
Item																
Allocator																
Customers	\$ 3,851,363	\$ 2,727,181	\$ 187,927	\$ 9,258	\$ 52	\$ 822,098	\$ 80,461	\$ 22,670	\$ 1,716							
Call Center	\$ 2,261,738	\$ 1,601,555	\$ 110,361	\$ 5,437	\$ 30	\$ 482,783	\$ 47,252	\$ 13,313	\$ 1,008							
Collections	\$ 788,280	\$ 577,877	\$ 24,467	\$ 358	\$ 1	\$ 174,199	\$ 10,476	\$ 877	\$ 25							
Customer Relations and LIHEAP	\$ 26,140	\$ 20,086				\$ 6,055										
FMS	\$ 1,067,776	\$ 782,798	\$ 33,143	\$ 485		\$ 235,971	\$ 14,190	\$ 1,188								
Transportation	\$ 99,756	\$ 782,798				\$ 88,473	\$ 8,659	\$ 2,440	\$ 185							
Records and Collections Support Activities	\$ 93,273	\$ 65,786	\$ 4,101	\$ 179	\$ 1	\$ 20,850	\$ 1,856	\$ 467	\$ 34							
903 Allocator	\$ 8,188,327	\$ 5,775,283	\$ 359,999	\$ 15,718	\$ 83	\$ 1,830,429	\$ 162,893	\$ 40,955	\$ 2,967							
Item																
Allocator																
Customers	\$ 1,890,213	\$ 1,596,989	\$ 87,039	\$ 4,459	\$ 21	\$ 164,330	\$ 27,464	\$ 9,443	\$ 468							
Call Center	\$ 1,585,406	\$ 1,339,466	\$ 73,004	\$ 3,740	\$ 18	\$ 137,831	\$ 23,035	\$ 7,920	\$ 393							
Collections	\$ 433,980	\$ 377,005	\$ 12,692	\$ -	\$ 65	\$ 38,794	\$ 4,005	\$ -	\$ 1,419							
Customer Relations and LIHEAP	\$ 361,166	\$ 327,470				\$ 33,697										
FMS	\$ 620,946	\$ 541,276	\$ 18,223	\$ -		\$ 55,697	\$ 5,750	\$ -								
Transportation	\$ 74,784	\$ 74,784				\$ 60,926	\$ 10,183	\$ 3,501	\$ 174							
Records and Collections Support Activities	\$ 78,479	\$ 66,086	\$ 3,017	\$ 130	\$ 2	\$ 7,763	\$ 1,113	\$ 330	\$ 39							
903 Allocator	\$ 5,044,975	\$ 4,248,292	\$ 193,975	\$ 8,328	\$ 105	\$ 499,037	\$ 71,550	\$ 21,194	\$ 2,493							

Peoples Natural Gas Company LLC

CUST-908 Allocation Factor

COS-19.8

	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
PNG								
Residential Customers	333,053	255,910	0	0	0	77,143	0	0
Supplier Choice Rider Collected	150,151				\$ 140,368	\$ 9,783		
Residential Programs	5,142,840	3,951,635	-	-	1,191,205	-	-	-
Supplier Choice	206,498	-	-	-	193,045	13,454	-	-
908 factor	5,349,339	3,951,635	-	-	1,384,250	13,454	-	-
PED								
Residential Customers	247,943	224,811	0	0	0	23,133	0	0
Supplier Choice Rider Collected	208,386				\$ 192,949	\$ 15,437		
Residential Programs	4,025,282	3,649,726	-	-	-	375,555	-	-
Supplier Choice	148,361	-	-	-	-	137,371	10,990	-
908 factor	4,173,643	3,649,726	-	-	-	512,927	10,990	-

ACCOUNT 908			
Sum of FERC Amount(2017 - 2018)	Column Labels	Grand Total	
	P100001	PPP5000	
COMMUNITY PARTNERSHIP		33,767.06	33,767.06
CUSTOMER RELATIONS	433,996.16	280,746.41	280,746.41
EMERGENCY		433,996.16	433,996.16
EMERGENCY FURNACE	9,910.32	374,034.01	374,034.01
SUPPLIER CHOICE RDR		39,816.64	49,726.96
TECHNICAL SUPPORT		33,419.59	33,419.59
WEATHERIZATION	561,647.49	690,966.26	1,252,613.75
CAP CONTRACTOR SERVICES - DEF	595,261.52	863,677.01	1,458,938.53
SUPPLIER CHOICE DEFERRAL	138,451.02	166,681.85	305,132.87
UNIVERSAL SERVICE RIDER DEFERRAL	2,334,376.57	2,716,189.89	5,050,566.46
WEATHERIZATION LIURP NON RECOVERABLE	100,000.00	150,000.00	250,000.00
RIDER - UNRECOV EXP		40.00	40.00
Grand Total	4,173,643.08	5,349,338.72	9,522,981.80

ALL BUT YELLOW HIGHLIGHTS ARE RESIDENTIAL

Peoples Natural Gas Company LLC

DesignDay Allocation Factor

COS-19.10

Peoples Natural Gas
Peak Day Design (All Volumes in MMcf @ 14.73 Psia)
Design Day: 74 HDDs

REQUIREMENTS	Total DD	Percentages		Allocations (MCF)	
		Peoples	Equitable	Peoples	Equitable
<u>Peoples Supplied Customers</u>					
Residential	562.4	53%	47%	300.0	262.5
Small General Service	84.4	58%	42%	49.3	35.2
Medium General Service	42.7	58%	42%	24.8	17.9
Large General Service	2.3	40%	60%	0.9	1.4
Subtotal	691.9			375.0	316.9
<u>P-1 NGS Supplied Customers (Standby)</u>					
Priority One - Residential	119.8	78%	22%	93.1	26.7
Priority One - Small General Service	7.8	63%	37%	4.9	2.9
Priority One - Medium General Service	20.9	59%	41%	12.3	8.6
Priority One - Large General Service	2.6	49%	51%	1.3	1.3
Subtotal	151.1			111.6	39.5
<u>Balancing</u>					
Residential	0.0			0.0	0.0
Small General Service	22.3	63%	37%	14.0	8.3
Medium General Service	65.1	58%	42%	38.1	27.1
Large General Service	37.0	53%	47%	19.7	17.3
Subtotal	124.4			71.7	52.7
<u>NP-1 NGS Supplied Customers</u>					
Residential	0.0			0.0	0.0
Small General Service	22.9	63%	37%	14.4	8.5
Medium General Service	74.2	58%	42%	43.4	30.9
Large General Service	156.5	53%	47%	83.3	73.1
Subtotal	253.6			141.1	112.6
Company Use	9.0			5.1	3.8
Unaccounted	52.2			29.9	22.3
	61.1			35.0	26.1
TOTAL REQUIREMENTS	1,282.1			734.4	547.8
				699.355895	521.6450409
				57%	43%

PNG

	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
Peoples Supplied	299.96	49.27	24.81	0.93				
P-1 NGS Standby					93.13	4.92	12.29	1.28
Balancing					-	13.95	38.05	19.70
P-1 NGS					-	14.37	43.35	83.34
TOTAL	299.96	49.27	24.81	0.93	93.13	33.24	93.70	104.32

PED

	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
Peoples Supplied	262.48	35.15	17.91	1.39				
P-1 NGS Standby					26.66	2.91	8.56	1.34
Balancing					-	8.30	27.10	17.29
P-1 NGS					-	8.55	30.87	73.14
TOTAL	262.48	35.15	17.91	1.39	26.66	19.76	66.53	91.77

Combined

	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
Peoples Supplied	562.44	84.42	42.72	2.32	-	-	-	-
P-1 NGS Standby	-	-	-	-	119.79	7.83	20.85	2.62
Balancing	-	-	-	-	-	22.25	65.15	36.98
P-1 NGS	-	-	-	-	-	22.92	74.22	156.48
TOTAL	562.44	84.42	42.72	2.32	119.79	53.00	160.23	196.08

Gathering Allocator	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
PNG	5,461,529	871,144	486,101	16,767	625,206	1,314,817	4,481,178	14,223,059
PED	1,040,701	137,061	76,414	5,090	342,656	648,926	2,538,459	9,735,819
Combined	6,502,230	1,008,205	562,514	21,856	967,862	1,963,742	7,019,638	23,958,877

TIME DEC 2020

Mcf
1,259,265
13,265,859
517,369
12,748,491

EGC Gathering
System Supply
Transport
P1 - 4% of Local
NP1 - 96% of Local

SYSTEM SUPPLY

RS	SGS	MGS	LGS	Total
19,155,419	2,522,776	1,406,495	93,680	23,178,370

Throughput - Sales
Transport - P1
Transport - NP1

TRANSPORT

RS	SGS	MGS	LGS
1,947,758	272,903	591,026	129,192
-	1,133,814	4,593,409	18,326,757
			24,053,981
			26,994,859

EGC Allocation to Rate Class

System Supply Gathering	1,040,701	137,061	76,414	5,090	1,259,265
Transport Gathering - P1					342,655.68
Transport Gathering - NP1					600,916
					22,728
					9,713,091
					12,748,491

TIME DEC 2020

Mcf
6,835,540
20,644,260
805,126
19,839,134

PNG Gathering
System Supply
Transport
P1 - 4% of Local
NP1 - 96% of Local

SYSTEM SUPPLY

RS	SGS	MGS	LGS	Total
22,085,640	3,522,781	1,965,721	67,802	27,641,944

Throughput - Sales
Transport - P1
Transport - NP1

TRANSPORT

RS	SGS	MGS	LGS
6,864,117	447,166	1,180,646	347,519
-	1,918,792	6,586,760	21,372,441
			29,877,993
			38,717,441

PNG Allocation to Rate Class

System Supply Gathering	5,461,529	871,144	486,101	16,767	6,835,540
Transport Gathering - P1					625,206
Transport Gathering - NP1					1,274,087
					107,537
					4,373,641
					14,191,405
					805,126
					19,839,134

Peoples Natural Gas Company LLC

Meter_Invest and M|R Equipment Allocation Factors

COS-19.13

Meters -Allocator		RES	SGS	MGS	LGS
PNG	\$ 82,666,073	\$ 69,316,464	\$ 9,163,078	\$ 3,887,502	\$ 299,029
PED	\$ 52,651,290	\$ 43,727,581	\$ 6,323,673	\$ 2,505,833	\$ 94,203
Combined	\$ 135,317,363	\$ 113,044,045	\$ 15,486,750	\$ 6,393,335	\$ 393,232

Meters - Current Pricing		RES	SGS	MGS	LGS
PNG	\$ 50,964,073	\$ 40,063,844	\$ 6,972,613	\$ 3,628,587	\$ 299,029
PED	\$ 37,212,290	\$ 29,374,610	\$ 5,352,305	\$ 2,391,172	\$ 94,203

Proforma adjustment for ERT investment (RES, SGS, and MGS only)		RES	SGS	MGS	LGS
PNG	\$ 31,702,000	\$ 29,252,620	\$ 2,190,465	\$ 258,915	
PED	\$ 15,439,000	\$ 14,352,971	\$ 971,368	\$ 114,661	

Meter Count - RES, SGS, MGS		RES	SGS	MGS	LGS
PNG	378,100	348,887	26,125	3,088	
PED	275,222	255,862	17,316	2,044	

Industrial M&R		RES	SGS	MGS	LGS
Unit cost - PNG		\$ 363.83	\$ 1,297.57	\$ 1,803.19	
Unit cost - PED		\$ 392.32	\$ 1,280.47	\$ 1,366.91	
Unit cost - Combined		\$ 374.95	\$ 1,290.81	\$ 1,675.11	

Weighting Factor - Industrial M&R		1.00	3.44	4.47	
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Industrial M&R Allocator		RES	SGS	MGS	LGS
PNG		31.08	364.06	488.08	
PED		48.25	257.62	116.16	
Combined		79.33	621.68	604.24	
<i>Percentage</i>					
PNG		3.52%	41.22%	55.26%	
PED		11.43%	61.04%	27.52%	
Combined		6.08%	47.63%	46.29%	

Customers		RES	SGS	MGS	LGS
PNG	361,400	333,053	25,185	2,996	166
PED	266,088	247,943	16,119	1,957	69
Combined	627,488	580,997	41,304	4,953	235

Industrial Customers		RES	SGS	MGS	LGS
PNG	246	-	31	106	109
PED	149	-	48	75	26
Combined	395	-	79	181	135

Peoples Natural Gas Company LLC

Meter_Invest and M|R Equipment Allocation Factors

COS-19.13

Count of Device	K&S	Rate				Current Meter	
Business Area		LGS	MGS	SGS	RS	Pricing w/ERT	
EGCP		315			4	35	\$113
		327			1	10	\$113
		328		5	2098	63935	\$113
		329		12	4602	81554	\$113
		331			496	14730	\$113
		334				2	\$113
		337			291	11140	\$113
		340				1	\$113
		341		1	133	2959	\$113
		343				3	\$113
		344		3	2273	64334	\$113
		345		1	582	12759	\$113
		355			14	331	\$113
		391		6	867	528	\$203
		392			42	22	\$203
		393		3	323	219	\$203
		520		1	44	23	\$203
		521		28	1375	785	\$203
		522				1	\$203
		540		10	68	5	\$736
		546		4	70	6	\$736
		547		11	136	13	\$736
		555		18	191	39	\$736
		568		247	2179	244	\$846
		579		1			\$846
		701		4			\$2,502
		703	7	50	3	1	\$2,570
		704		2	1		\$849
		706		4	3	1	\$849
		712	5				\$853
		713	15	8	7	1	\$853
		716	1				\$853
		720	1				\$853
		721			4	3	\$853
		726	12	4			\$853
		729	2	1		1	\$853
		730	1				\$853
		732	1				\$853
		737			1	1	\$853
		743		2			\$853
		745	1				\$853
		746		4	17	1	\$998
		748		175	468	37	\$866
		749				1	\$866
		750		46	34		\$882
		751		1			\$1,003
		752		58	12		\$1,114
		753		570	639	32	\$1,019
		754	1	48	7	1	\$1,489
		755		291	98	2	\$1,247

Peoples Natural Gas Company LLC

Meter_Invest and M|R Equipment Allocation Factors

COS-19.13

Count of Device Business Area	K&S	Rate				Current Meter Pricing w/ERT	
		LGS	MGS	SGS	RS		
		756		16	3	\$1,767	
		757		184	30	5	\$1,533
		758	4	139	19	1	\$1,818
		767	10	23	4		\$1,818
		776	1	1			\$1,818
		777		1			\$1,818
		780			1		\$1,818
		789			3		\$1,818
		801		1			\$920
		804	3	7	3	2	\$3,883
		811				1	\$3,883
		830		1			\$3,883
		832		3			\$3,883
		836		1			\$3,883
		847		1			\$3,883
		850		2	1		\$1,086
		852		4	1		\$1,233
		858		11	12		\$1,086
		859		6			\$1,086
		860		6			\$1,700
		862			4	1	\$1,700
		926		1	1		\$846
		927		1			\$846
		928	1				\$846
		929	2				\$846
		3291		3	103	2049	\$113
		5211		3	23	32	\$203
		5551		5	5	3	\$736
		5681		5	19	8	\$846
		7071			1		\$849
EGCP Total			68	2044	17316	255862	
PNGC							
		315				2	\$113
		320			1	26	\$113
		321				1	\$113
		323			4	124	\$113
		328		4	2897	66975	\$113
		329		14	5206	94304	\$113
		330			76	1397	\$113
		331			419	9778	\$113
		332			233	5013	\$113
		334			2	19	\$113
		335			121	2854	\$113
		336			1	3	\$113
		337			15	303	\$113
		338			7	221	\$113
		340				2	\$113
		341				7	\$113
		343			1	2	\$113
		344		1	588	10600	\$113
		345		2	3181	59580	\$113
		347			10	412	\$113

Peoples Natural Gas Company LLC

Meter_Invest and M|R Equipment Allocation Factors

COS-19.13

Count of Device	Business Area	Rate				Current Meter Pricing w/ERT	
		K&S	LGS	MGS	SGS		RS
355					5	104	\$113
391				6	311	140	\$203
392					126	23	\$203
393				13	304	107	\$203
394					7	1	\$203
520				9	595	237	\$203
521				65	2037	835	\$203
525				1	144	56	\$203
540				22	95	6	\$736
544				16	152	17	\$736
546					2		\$736
547				28	176	13	\$736
549				31	172	11	\$736
550				5	45	6	\$736
555				104	612	95	\$736
560					1		\$736
565				28	78	4	\$846
566				40	103	7	\$846
567				2	1		\$846
568				145	435	40	\$846
569				4	17	1	\$846
579				4	50	5	\$846
630					2		\$530
684						1	\$530
701		20		29	1	1	\$2,502
702		2		1			\$2,502
703		1		1			\$2,502
704				15	41	13	\$849
706				462	306	20	\$849
707		3		115	18	2	\$849
708				2	3		\$849
711				31	64	9	\$853
712		1					\$853
713		12		3	1	2	\$853
715				1			\$853
716				1			\$853
726		2					\$853
729		4				1	\$853
730		9				7	\$853
732		3				2	\$853
734		3				3	\$853
735				1	5	2	\$853
737					1		\$853
738		1					\$853
740		1					\$853
743		3		90	5	2	\$853
746				5	9	4	\$998
748		1		106	201	13	\$866
749				107	125	11	\$866
750		3		99	70	8	\$882
751				1	1	1	\$1,003

Peoples Natural Gas Company LLC

Meter_Invest and M|R Equipment Allocation Factors

COS-19.13

Count of Device Business Area	K&S	Rate				Current Meter Pricing w/ERT	
		LGS	MGS	SGS	RS		
		752	8	370	118	10	\$1,114
		753		17	11	1	\$1,019
		754	2	59	6	2	\$1,489
		755		15	1	1	\$1,247
		756	18	62	5	3	\$1,767
		757		4	1	1	\$1,533
		758		3	1		\$1,818
		764			1	2	\$1,818
		767	11	1		1	\$1,818
		768		2			\$1,818
		770			1	1	\$1,818
		771			2		\$1,818
		772	2	2	2	1	\$1,818
		774		2	2	1	\$1,818
		776	1		1		\$1,818
		777		1			\$1,818
		779	1	5			\$1,818
		780		71	206	9	\$1,818
		785		1			\$1,818
		788	1	1			\$1,818
		789	6				\$1,818
		801		4	1	15	\$920
		802				1	\$1,537
		803				3	\$1,537
		804	9	4	1	4	\$3,883
		808		2			\$3,883
		810	2				\$3,883
		811	1				\$3,883
		826	1	18	37	2	\$3,883
		828			2		\$3,883
		830		85	68	3	\$3,883
		831		4			\$3,883
		832		73	21	2	\$3,883
		833		2			\$3,883
		834		5			\$3,883
		836		29	1		\$3,883
		838	2	6			\$3,883
		839	1				\$3,883
		842				2	\$3,883
		843				3	\$3,883
		844				2	\$3,883
		845	2			1	\$3,883
		850		18	19	1	\$1,086
		852		12	1		\$1,233
		853		2			\$1,250
		854		4			\$1,700
		856		1			\$1,700
		858		3	5		\$1,086
		859		11	1		\$1,086
		860			1		\$1,700
		862		2	6		\$1,700

Peoples Natural Gas Company LLC

Meter_Invest and M|R Equipment Allocation Factors

COS-19.13

Count of Device	Business Area	K&S	Rate				Current Meter Pricing w/ERT	
			LGS	MGS	SGS	RS		
			869			2	\$1,700	
			3281		2	842	19065	\$113
			3291		5	987	17215	\$113
			3301			355	7764	\$113
			3311			260	5842	\$113
			3321	1	1	1022	24938	\$113
			3341				2	\$113
			3351			426	11183	\$113
			3371			171	4219	\$113
			3381				4	\$113
			3441			120	2559	\$113
			3451			120	1948	\$113
			3911		6	347	154	\$203
			3921		11	446	163	\$203
			3931		1	30	6	\$203
			5201		2	138	56	\$203
			5211		13	427	150	\$203
			5401		15	140	17	\$736
			5441		33	166	20	\$736
			5461		2	7		\$736
			5471		1	1		\$736
			5491		1	26	2	\$736
			5501		9	64	7	\$736
			5551		7	41	8	\$736
			5651		36	132	5	\$846
			5661			2		\$846
			5671		4	10		\$846
			5681		25	58	8	\$846
			5691			1		\$846
			5791		1	2		\$846
			7011	2	6		1	\$2,502
			7021	1	1			\$2,502
			7041			2		\$849
			7061		110	65	5	\$849
			7071	2	51	9		\$849
			7111			2		\$853
			7121	1	1			\$853
			7131	1	1			\$853
			7181		2			\$853
			7201		1			\$853
			7301	2				\$853
			7351			3		\$853
			7431	4	62	2		\$853
			7481		5	16	1	\$866
			7491		1	3	1	\$866
			7521	3	118	29		\$1,114
			7621		1			\$1,818
			7671	4	2	1	2	\$1,818
			7701		1	4	6	\$1,818
			7721	3	1		1	\$1,818
			7741		3		8	\$1,818

Peoples Natural Gas Company LLC

Meter_Invest and M|R Equipment Allocation Factors

COS-19.13

Count of Device	K&S	Rate				Current Meter	
Business Area		LGS	MGS	SGS	RS	Pricing w/ERT	
		7761	3	2			\$1,818
		7771		4	1		\$1,818
		7791		8			\$1,818
		7801		17	42	19	\$1,818
		7861	1				\$1,818
		7881	4			1	\$1,818
		7891	1				\$1,818
PNGC Total			170	3088	26125	348887	

Typical Service Cost by Class	RES	SGS	MGS	LGS	LGS>200,000
Full install cost per service	\$ 2,262.71	\$ 2,262.71	\$ 2,444.39	\$ 2,444.39	\$ 4,781.48
Full install %	25%	25%	75%	75%	75%
DDB install cost per service	\$ 1,363.75	\$ 1,363.75	\$ 1,545.43	\$ 1,545.43	\$ 2,755.97
DDB install %	75%	75%	25%	25%	25%
weighted cost per service	\$ 1,588.49	\$ 1,588.49	\$ 2,219.65	\$ 2,219.65	\$ 4,275.10
PNG					
Number of Services	320,350	18,614	2,993	110	21
Service Investment	\$ 508,872,691	\$ 29,568,148	\$ 6,643,423	\$ 244,162	\$ 89,777
PED					
Number of Services	226,842	12,561	1,952	42	13
Service Investment	\$ 360,336,192	\$ 19,953,020	\$ 4,332,764	\$ 93,225	\$ 55,576

Service_Invest Allocator	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
PNG								
Number of customers	255,910	17,634	869	5	77,143	7,550	2,127	161
Service_Invest Allocator (PNG)	\$ 391,005,569	\$ 20,703,764	\$ 1,926,388	\$ 8,148	\$ 117,867,122	\$ 8,864,384	\$ 4,717,035	\$ 325,791
PED								
Number of customers	224,811	12,253	628	3	23,133	3,866	1,329	66
Service_Invest Allocator (PED)	\$ 326,717,122	\$ 15,167,202	\$ 1,389,600	\$ 5,002	\$ 33,619,070	\$ 4,785,818	\$ 2,943,164	\$ 143,800
Combined								
Service_Invest Allocator (combined)	\$ 717,722,691	\$ 35,870,966	\$ 3,315,988	\$ 13,150	\$ 151,486,192	\$ 13,650,202	\$ 7,660,200	\$ 469,591

Peoples Natural Gas Company LLC
Winter6 Storage Utilization Allocation Factor

PNG	Throughput, December - May												
	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
Winter6 Allocation Factor	34.8%	5.6%	3.0%	0.1%	10.8%	3.8%	11.9%	29.9%					
Winter Volumes	16,131,509	2,606,140	1,391,374	47,095	5,013,600	1,752,992	5,393,863	12,351,619					

Winter Volumes

Month	Throughput, December - May												
	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
December	3,497,960	562,645	294,643	10,317	1,087,150	378,975	1,131,642	2,265,440	9,228,772				
January	3,924,246	640,686	332,726	11,980	1,219,638	431,546	1,271,849	2,440,633	10,273,304				
February	3,368,822	549,415	283,188	7,536	1,047,014	369,482	1,089,665	1,940,308	8,655,429				
March	2,811,775	455,816	244,155	9,457	873,887	306,701	942,791	2,261,105	7,905,687				
April	1,603,708	255,385	146,454	5,631	498,425	171,468	585,482	1,882,825	5,149,377				
May	924,999	142,193	90,207	2,174	287,485	94,821	372,435	1,561,309	3,475,623				
Total Winter 6 Volumes	16,131,509	2,606,140	1,391,374	47,095	5,013,600	1,752,992	5,393,863	12,351,619	44,688,192				

Storage Withdrawals - Winter Utilization

Month	Throughput Percentage by Rate Class												
	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
December	10.4%	37.9%	6.1%	3.2%	0.1%	11.8%	4.1%	12.3%	24.5%	100.0%			
January	24.1%	38.2%	6.2%	3.2%	0.1%	11.9%	4.2%	12.4%	23.8%	100.0%			
February	17.8%	38.9%	6.3%	3.3%	0.1%	12.1%	4.3%	12.6%	22.4%	100.0%			
March	13.1%	35.6%	5.8%	3.1%	0.1%	11.1%	3.9%	11.9%	28.6%	100.0%			
April	19.9%	31.1%	5.0%	2.8%	0.1%	9.7%	3.3%	11.4%	36.6%	100.0%			
May	14.7%	26.6%	4.1%	2.6%	0.1%	8.3%	2.7%	10.7%	44.9%	100.0%			
100.0%		36.1%	5.8%	3.1%	0.1%	11.2%	3.9%	12.1%	27.6%	100.0%			

Peoples Natural Gas Company LLC
 Winter6 Storage Utilization Allocation Factor

Month	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	Total
December	3,059,418	401,420	210,032	13,869	311,087	224,734	773,647	1,689,930	6,684,137				
January	3,433,879	457,082	240,133	18,005	349,163	256,496	903,105	2,323,436	7,981,299				
February	2,946,598	391,849	207,723	11,935	299,615	219,786	762,026	1,700,127	6,539,659				
March	2,452,435	325,370	175,008	13,852	249,368	182,290	632,737	1,879,408	5,910,468				
April	1,387,564	183,275	107,545	9,704	141,090	102,421	380,874	1,611,439	3,923,912				
May	787,885	102,752	65,734	3,106	80,114	56,748	223,839	1,439,387	2,759,565				
Total Winter 6 Volumes	14,067,780	1,861,748	1,006,174	70,471	1,430,437	1,042,475	3,676,227	10,643,727	33,799,040				

Winter Volumes

Month	Throughput, December - May											
	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
December	3,059,418	401,420	210,032	13,869	311,087	224,734	773,647	1,689,930	6,684,137			
January	3,433,879	457,082	240,133	18,005	349,163	256,496	903,105	2,323,436	7,981,299			
February	2,946,598	391,849	207,723	11,935	299,615	219,786	762,026	1,700,127	6,539,659			
March	2,452,435	325,370	175,008	13,852	249,368	182,290	632,737	1,879,408	5,910,468			
April	1,387,564	183,275	107,545	9,704	141,090	102,421	380,874	1,611,439	3,923,912			
May	787,885	102,752	65,734	3,106	80,114	56,748	223,839	1,439,387	2,759,565			
Total Winter 6 Volumes	14,067,780	1,861,748	1,006,174	70,471	1,430,437	1,042,475	3,676,227	10,643,727	33,799,040			

Storage Withdrawals - Winter Utilization

Month	Throughput Percentage by Rate Class											
	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
December	10.4%	45.8%	6.0%	3.1%	4.7%	3.4%	11.6%	25.3%	100.0%			
January	24.1%	43.0%	5.7%	3.0%	4.4%	3.2%	11.3%	29.1%	100.0%			
February	17.8%	45.1%	6.0%	3.2%	4.6%	3.4%	11.7%	26.0%	100.0%			
March	13.1%	41.5%	5.5%	3.0%	4.2%	3.1%	10.7%	31.8%	100.0%			
April	19.9%	35.4%	4.7%	2.7%	3.6%	2.6%	9.7%	41.1%	100.0%			
May	14.7%	28.6%	3.7%	2.4%	2.9%	2.1%	8.1%	52.2%	100.0%			
100.0%	41.6%	5.5%	3.0%	0.2%	4.2%	3.1%	10.9%	31.5%	100.0%			

Peoples Natural Gas Company LLC
 Winter6 Storage Utilization Allocation Factor

Combined	RES - Sales	SGS - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	Total
Winter6 Allocation Factor	37.0%	5.5%	5.5%	3.0%	3.0%	0.1%	7.9%	3.4%	11.3%	31.8%				
Winter Volumes	30,199,289	4,467,888	2,397,548	117,566	6,444,037	2,795,467	9,070,090	22,995,347						

Winter Volumes

Month	Throughput, December - May													Total
	RES - Sales	SGS - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	
December	6,557,378	964,065	504,675	24,186	1,398,237	603,709	1,905,288	3,955,370	15,912,909					
January	7,358,125	1,097,768	572,858	29,985	1,568,801	688,042	2,174,954	4,764,069	18,254,602					
February	6,315,420	941,264	490,912	19,471	1,346,630	589,267	1,851,691	3,640,434	15,195,088					
March	5,264,210	781,186	419,163	23,309	1,123,255	488,991	1,575,528	4,140,513	13,816,155					
April	2,991,272	438,660	253,999	15,335	639,515	273,889	966,355	3,494,265	9,073,289					
May	1,712,884	244,946	155,941	5,280	367,599	151,568	596,274	3,000,696	6,235,188					
Total Winter 6 Volumes	30,199,289	4,467,888	2,397,548	117,566	6,444,037	2,795,467	9,070,090	22,995,347	78,487,231					

Storage Withdrawals - Winter Utilization

Month	Throughput Percentage by Rate Class													Total
	RES - Sales	SGS - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport	
December	10.4%	41.2%	6.1%	3.2%	0.2%	3.8%	12.0%	24.9%	100.0%					
January	24.1%	40.3%	6.0%	3.1%	0.2%	3.8%	11.9%	26.1%	100.0%					
February	17.8%	41.6%	6.2%	3.2%	0.1%	3.9%	12.2%	24.0%	100.0%					
March	13.1%	38.1%	5.7%	3.0%	0.2%	3.5%	11.4%	30.0%	100.0%					
April	19.9%	33.0%	4.8%	2.8%	0.2%	3.0%	10.7%	38.5%	100.0%					
May	14.7%	27.5%	3.9%	2.5%	0.1%	2.4%	9.6%	48.1%	100.0%					
100.0%		38.5%	5.7%	3.1%	0.1%	3.6%	11.6%	29.3%	100.0%					

Peoples Natural Gas Company LLC

Write-offs Allocation Factor

COS-19.16

Peoples Natural Gas
Charge-off Summary

	RES - Sales	SGS - Sales	MGS - Sales	LGS - Sales	RES - Transport	SGS - Transport	MGS - Transport	LGS - Transport
PNG_Write-Offs	6,276,807	163,057	17,201	-	263,820	11,862	130	-
PED_Write-Offs	4,623,224	85,577	-	-	20,081	2,084	-	1,635
Combined_Write-Offs	10,900,032	248,634	17,201	-	283,901	13,946	130	1,635

3-year Average (2016-2018) Charge-Offs

	PNG	PED	Combined
Residential			
TOTAL NET CHARGE-OFFS			
Sales RS	6,276,807	4,623,224	10,900,032
Transport RS	263,820	20,081	283,901
Commercial			
TOTAL NET CHARGE-OFFS BY GROUP RATE			
Sales			
LGS	(11)	(4,250)	(4,261)
MGS	15,414	-	15,414
SGS	163,056	85,577	248,633
Transport			
LGS	-	1,635	1,635
MGS	(23)	-	(23)
SGS	11,862	2,084	13,946
Industrial			
TOTAL NET CHARGE-OFFS BY GROUP RATE			
Sales			
LGS	-	-	-
MGS	1,788	-	1,788
SGS	1	-	1
Transport			
LGS	-	-	-
MGS	153	-	153
SGS	0	-	0

**Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service**

COS 20. Please provide all workpapers, calculations and supporting documentation for the functionalization and classification performed for the Company's cost of service study.

* * * * *

Refer to the attached workpaper for calculations and supporting documentation for the distribution mains classification factor. All other functionalization and classification factor calculations are contained in the cost of service study results presented in Exhibit 11, Schedule No. 1, in Items 53.53 IV-B-1(A) and 53.53 IV-B-1 (B). Additionally, functionalization and classification factors are further described in Exhibit 11, Schedule No. 3 (53.53 IV-B-3).

Peoples Natural Gas Company LLC

Combined Divisions

Minimum System Study Summary - 2018 September

Type	Installed Footage (Feet)	Minimum Cost per Foot (2018\$)	Minimum System Cost (2018\$)	Total Adjusted Cost (2018\$)	Customer Component (%)
Steel	29,358,206	27.30	801,528,602	2,744,889,477	29.20
Plastic	24,007,841	25.88	621,295,984	1,397,073,749	44.47
Total	53,366,046		1,422,824,586	4,141,963,226	34.35

Adjusted Minimum System

Minimum System Cost	\$ 1,422,824,586
	x
Minimum System Serving Design Day Demand (%)	3.22%
	=
Minimum System Serving Design Day Demand (Total)	\$ 45,882,205
Remaining Customer Portion	\$ 1,376,942,381
	/
Total Plastic & Steel Cost	\$ 4,141,963,226
	=
	33.24%

Line No.	Description	Amount
1	2 Inch Main	2.00
2	Pipe Diameter Squared	4.00
3	Constant	0.372
4	PSIG	26.37
5	Cubic Feet of Capacity per Thousand Feet	30.74
6	Feet in Mile (1,000s)	5.280
7	Cubic Feet of Capacity per Mile	162.32
8	Hours in Day	24
9	Cubic Feet of Capacity per Mile per Day	3,895.63
10	Total Design Day (CCF)	12,210,009
11	Total Customers	627,488
12	Therms Per Customer on Design Day	19.46
13	Customers Per Mile	62.08
14	Capacity (therms) Required on Design Day per Mile	1,208.05
15	Cubic Feet of Capacity per Mile	3,895.63
16	Therms of Capacity per Mile	38.96
17	Portion of Required Capacity Met by 2-In. Main Capacity	3.22%
18	Miles of Main	10,107.21
19	Total Customers	627,487.74
20	Customers Per Mile	62.08

Peoples Natural Gas Company LLC

PEOPLES DIVISION

Minimum System Study Summary - 2018 September

Type	Installed Footage (Feet)	Minimum Cost per Foot (2018\$)	Minimum System Cost (2018\$)	Total Adjusted Cost (2018\$)	Customer Component (%)
Steel	21,136,721	26.68	563,968,863	1,547,495,218	36.44
Plastic	13,862,216	20.41	282,862,150	730,435,206	38.73
Total	34,998,936		846,831,014	2,277,930,424	37.18

Adjusted Minimum System

Minimum System Cost	\$ 846,831,014
	x
Minimum System Serving Design Day Demand (%)	3.83%
	=
Minimum System Serving Design Day Demand (Total)	\$ 32,431,670
Remaining Customer Portion	\$ 814,399,343
	/
Total Plastic & Steel Cost	\$ 2,277,930,424
	=
	35.75%

Line No.	Description	Amount
1	2 Inch Main	2.00
2	Pipe Diameter Squared	4.00
3	Constant	0.372
4	PSIG	27.51
5	Cubic Feet of Capacity per Thousand Feet	31.89
6	Feet in Mile (1,000s)	5.280
7	Cubic Feet of Capacity per Mile	168.36
8	Hours in Day	24
9	Cubic Feet of Capacity per Mile per Day	4,040.64
10	Total Design Day (CCF)	6,993,559
11	Total Customers	361,400
12	Therms Per Customer on Design Day	19.35
13	Customers Per Mile	54.52
14	Capacity (therms) Required on Design Day per Mile	1,055.06
15	Cubic Feet of Capacity per Mile	4,040.64
16	Therms of Capacity per Mile	40.41
17	Portion of Required Capacity Met by 2-In. Main Capacity	3.83%
18	Miles of Main	6,628.59
19	Total Customers	361,399.62
20	Customers Per Mile	54.52

Peoples Natural Gas Company LLC

EQUITABLE DIVISION

Minimum System Study Summary - 2018 September

Type	Installed Footage (Feet)	Minimum Cost per Foot (2018\$)	Minimum System Cost (2018\$)	Total Adjusted Cost (2018\$)	Customer Component (%)
Steel	8,221,485	30.29	249,040,855	1,197,394,258	20.80
Plastic	10,145,625	34.53	350,306,319	666,638,544	52.55
Total	18,367,110		599,347,173	1,864,032,802	32.15

Adjusted Minimum System

Minimum System Cost	\$ 599,347,173
	x
Minimum System Serving Design Day Demand (%)	2.38%
	=
Minimum System Serving Design Day Demand (Total)	\$ 14,248,975
Remaining Customer Portion	\$ 585,098,198
	/
Total Plastic & Steel Cost	\$ 1,864,032,802
	=
	31.39%

Line No.	Description	Amount
1	2 Inch Main	2.00
2	Pipe Diameter Squared	4.00 Line 1 squared
3	Constant	0.372
4	PSIG	23.76
5	Cubic Feet of Capacity per Thousand Feet	28.13 Multiply lines 2, 3, 4
6	Feet in Mile (1,000s)	5,280
7	Cubic Feet of Capacity per Mile	148.55 Line 5 * Line 6
8	Hours in Day	24
9	Cubic Feet of Capacity per Mile per Day	3,565.11 Line 7 * Line 8
10	Total Design Day (CCF)	5,216,450 *Design Day from Company
11	Total Customers	266,088
12	Therms Per Customer on Design Day	19.60 Line 10 / Line 11
13	Customers Per Mile	76.49 Line 20
14	Capacity (therms) Required on Design Day per Mile	1,499.57 Line 12 * Line 13
15	Cubic Feet of Capacity per Mile	3,565.11 Line 9
16	Therms of Capacity per Mile	35.65 Line 15 / 100
17	Portion of Required Capacity Met by 2-In. Main Capacity	2.38% Line 16 / Line 14
18	Miles of Main	3,478.62
19	Total Customers	266,088.12
20	Customers Per Mile	76.49

Peoples Natural Gas Company LLC

Miscellaneous Intangible Plant Allocation Factors

Account 303			<u>Peoples</u>	<u>Peoples</u>	<u>EGC</u>	<u>EGC</u>	<u>Combined</u>	<u>Combined</u>
<u>Funcionalization</u>	<u>Classification</u>	<u>Class Allocation</u>	<u>Plant</u>	<u>%</u>	<u>Plant</u>	<u>%</u>	<u>Plant</u>	<u>%</u>
Revenue Requirement	Revenue Requirement	Revenue Requirement	39,887,657	54.7%	4,683,610	17.2%	44,571,267	44.5%
T&D Mains	T&D Mains	T&D Mains	-	0.0%	5,845,747	21.5%	5,845,747	5.8%
Plant	Plant	Plant	16,468,671	22.6%	2,192,835	8.0%	18,661,506	18.6%
Plant/O&M	Plant/O&M	Plant/O&M	4,371,940	6.0%	1,117,174	4.1%	5,489,114	5.5%
Distribution	Customer	Customer Count	7,852,424	10.8%	12,318,465	45.2%	20,170,889	20.1%
Distribution	Customer	Meter Reading	2,109,841	2.9%	391,516	1.4%	2,501,356	2.5%
Labor	Labor	Labor	2,228,420	3.1%	697,275	2.6%	2,925,695	2.9%
Gathering	Commodity	GatherVolumes	59,000	0.1%	-	0.0%	59,000	0.1%
			<u>72,977,953</u>	<u>100.0%</u>	<u>27,246,621</u>	<u>100.0%</u>	<u>100,224,575</u>	<u>100.0%</u>

Account 303 Proforma Adjustments					
	Revenue Requirement		5,197,500		7,012,500
	T&D Mains		-	-	-
	Plant		4,347,000	1,518,000	5,865,000
	Plant/O&M		3,465,000	1,210,000	4,675,000
	Customer Count		3,874,500	1,353,000	5,227,500
	Meter Reading		-	-	-
	Labor		4,219,268	1,473,395	5,692,663
	GatherVolumes		-	-	-

FPFTY Account 303 - Allocation Factor

<u>Funcionalization</u>	<u>Classification</u>	<u>Class Allocation</u>	<u>PNG</u>		<u>PED</u>		<u>Combined</u>	
Revenue Requirement	Revenue Requirement	Revenue Requirement	45,085,157	47.9%	6,498,610	18.8%	51,583,767	40.1%
T&D Mains	T&D Mains	T&D Mains	-	0.0%	5,845,747	16.9%	5,845,747	4.5%
Plant	Plant	Plant	20,815,671	22.1%	3,710,835	10.7%	24,526,506	19.1%
Plant/O&M	Plant/O&M	Plant/O&M	7,836,940	8.3%	2,327,174	6.7%	10,164,114	7.9%
Distribution	Customer	Customer Count	11,726,924	12.5%	13,671,465	39.5%	25,398,389	19.7%
Distribution	Customer	Meter Reading	2,109,841	2.2%	391,516	1.1%	2,501,356	1.9%
Labor	Labor	Labor	6,447,688	6.9%	2,170,670	6.3%	8,618,358	6.7%
Gathering	Commodity	GatherVolumes	59,000	0.1%	-	0.0%	59,000	0.0%
			<u>94,081,221</u>	<u>100.0%</u>	<u>34,616,016</u>	<u>100.0%</u>	<u>128,697,238</u>	<u>100.0%</u>

Peoples Natural Gas Company LLC
Standard Data Request
Cost of Service

COS 21. If not provided elsewhere, please provide a detailed proof of revenues at both present and proposed rates.

* * * * *

Refer to the respective attachment per division for the proof of revenues at present rates.

Refer to Exhibit 3, Schedule 15, Attachment E for the proof of revenues at proposed rates.

Peoples Natural Gas Company LLC
Peoples Division
Historic Test Year Rate Proof
For the 12 Months Ended September 30, 2018

Line No.	Description	Bills (1) <i>(Ex.3, Sch 15, Atch F)</i>	Volumes (2) Mcf <i>(Ex.3, Sch 15, Atch G)</i>	Base Rate (3) \$/Mcf	Revenue (4)=(1 or 2 x 3) \$	Average Rate (5)=(4 / 2) \$/Mcf
1 Residential Sales						
2	Customer Charge					
3	Service Charge	2,814,019		13.95	39,255,565	
4	DSIC Rider	2,814,019		0.6975	1,962,778	<i>Ex.3, Sch 15, Atch N</i>
5	Supplier Choice Rider	2,814,019		0.0538	151,394	<i>Ex.3, Sch 15, Atch N</i>
6	TCJA Rider	2,814,019		(0.1698)	(477,922)	<i>Ex.3, Sch 15, Atch N</i>
7	Subtotal - Customer Charge				40,891,815	
8	Delivery Charge					
9	Base Rate Delivery		21,879,263	3.1330	68,547,730	
10	Universal Service Rider		21,879,263	0.4387	9,599,305	<i>Ex.3, Sch 15, Atch N</i>
11	Rider GPC - Gas Procurement Charge		21,879,263	0.1055	2,308,262	<i>Ex.3, Sch 15, Atch N</i>
12	DSIC Rider		21,879,263	0.1893	4,142,247	<i>Ex.3, Sch 15, Atch N</i>
13	TCJA Rider		21,879,263	(0.0073)	(159,148)	<i>Ex.3, Sch 15, Atch N</i>
14	Subtotal - Delivery				84,438,396	
15	STAS		21,879,263	(0.0072)	(157,660)	
16	Subtotal Customer Charge and Delivery Revenue				125,172,552	
17	Gas Cost		21,879,263	4.8618	106,372,742	<i>Ex.3, Sch 15, Atch M</i>
18	Merchant Function Charge		21,879,263	0.1094	2,393,790	<i>Ex.3, Sch 15, Atch N</i>
19	Total Residential Sales	2,814,019	21,879,263		233,939,084	10.692275
20 Residential CAP Sales						
21	Customer Charge					
22	Service Charge	221,135		13.95	3,084,833	
23	DSIC Rider	221,135		0.6975	154,242	<i>Ex.3, Sch 15, Atch N</i>
24	Supplier Choice Rider	221,135		-	-	<i>Ex.3, Sch 15, Atch N</i>
25	TCJA Rider	221,135		(0.1653)	(36,561)	<i>Ex.3, Sch 15, Atch N</i>
26	Subtotal - Customer Charge				3,202,514	
27	Delivery Charge					
28	Base Rate Delivery		2,212,099	3.1330	6,930,505	
29	Cap Credit		2,212,099	(2.7592)	(6,103,614)	<i>Ex.3, Sch 15, Atch N</i>
30	Rider GPC - Gas Procurement Charge		2,212,099	0.1055	233,376	<i>Ex.3, Sch 15, Atch N</i>
31	DSIC Rider		2,212,099	0.1893	418,773	<i>Ex.3, Sch 15, Atch N</i>
32	TCJA Rider		2,212,099	(0.0062)	(13,678)	<i>Ex.3, Sch 15, Atch N</i>
33	Subtotal - Delivery				1,465,363	
34	STAS		2,212,099	(0.0072)	(15,940)	
35	Subtotal Customer Charge and Delivery Revenue				4,651,936	
36	Gas Cost		2,212,099	4.8540	10,737,579	<i>Ex.3, Sch 15, Atch M</i>
37	Merchant Function Charge		2,212,099	0.1092	241,606	<i>Ex.3, Sch 15, Atch N</i>
38	Total Residential CAP Sales	221,135	2,212,099		15,631,121	7.066195
39 Commercial SGS Sales						
40	Customer Charge (0 - 499 Mcf/Yr)					
41	Service Charge	195,591		14.88	2,910,394	
42	DSIC Rider	195,591		0.7956	155,618	<i>Ex.3, Sch 15, Atch N</i>
43	Supplier Choice Rider	195,591		0.0538	10,523	<i>Ex.3, Sch 15, Atch N</i>
44	TCJA Rider	195,591		(0.1872)	(36,607)	<i>Ex.3, Sch 15, Atch N</i>
45	Subtotal - Customer Charge (0 - 499 Mcf/Yr)				3,039,928	
46	Customer Charge (500 - 999 Mcf/Yr)					
47	Service Charge	16,538		27.00	446,526	
48	DSIC Rider	16,538		0.7956	13,158	<i>Ex.3, Sch 15, Atch N</i>
49	Supplier Choice Rider	16,538		0.0538	890	<i>Ex.3, Sch 15, Atch N</i>
50	TCJA Rider	16,538		(0.1872)	(3,095)	<i>Ex.3, Sch 15, Atch N</i>
51	Subtotal - Customer Charge (500 - 999 Mcf/Yr)				457,479	
52	Delivery Charge					
53	Base Rate Delivery		3,764,793	2.1939	8,259,579	
54	Rider GPC - Gas Procurement Charge		3,764,793	0.1055	397,186	<i>Ex.3, Sch 15, Atch M</i>
55	DSIC Rider		3,764,793	0.1164	438,052	<i>Ex.3, Sch 15, Atch M</i>
56	TCJA Rider		3,764,793	(0.0047)	(17,634)	<i>Ex.3, Sch 15, Atch N</i>
57	Subtotal - Delivery				9,077,183	
58	STAS		3,764,793	(0.0050)	(18,997)	
59	Subtotal Customer Charge and Delivery Revenue				12,555,592	
60	Gas Cost		3,764,793	4.8317	18,190,199	<i>Ex.3, Sch 15, Atch M</i>
61	Merchant Function Charge		3,764,793	0.0285	107,439	<i>Ex.3, Sch 15, Atch N</i>
62	Total Commercial SGS Sales	212,129	3,764,793		30,853,230	8.195200

Peoples Natural Gas Company LLC
Peoples Division
Historic Test Year Rate Proof
For the 12 Months Ended September 30, 2018

Line No.	Description	Bills (1) <i>(Ex. 3, Sch 15, Atch F)</i>	Volumes (2) Mcf <i>(Ex. 3, Sch 15, Atch G)</i>	Base Rate (3) \$/Mcf	Revenue (4)=[(1 or 2) x 3] \$	Average Rate (5)=[4 / 2] \$/Mcf
1 Industrial SGS Sales						
2	Customer Charge (0 - 499 Mcf/Yr)					
3	Service Charge	83		20.00	1,660	
4	DSIC Rider	83		1.1282	94	<i>Ex. 3, Sch 15, Atch N</i>
5	Supplier Choice Rider	83		0.0538	4	<i>Ex. 3, Sch 15, Atch N</i>
6	TCJA Rider	83		(0.2371)	(20)	<i>Ex. 3, Sch 15, Atch N</i>
7	Subtotal - Customer Charge (0 - 499 Mcf/Yr)				1,738	
8	Customer Charge (500 - 999 Mcf/Yr)					
9	Service Charge	48		27.00	1,296	
10	DSIC Rider	48		1.1282	54	<i>Ex. 3, Sch 15, Atch N</i>
11	Supplier Choice Rider	48		0.0538	3	<i>Ex. 3, Sch 15, Atch N</i>
12	TCJA Rider	48		(0.2371)	(11)	<i>Ex. 3, Sch 15, Atch N</i>
13	Subtotal - Customer Charge (500 - 999 Mcf/Yr)				1,341	
14	Delivery Charge					
15	Base Rate Delivery		5,162	1.7623	9,096	
16	Rider GPC - Gas Procurement Charge		5,162	0.1055	545	<i>Ex. 3, Sch 15, Atch N</i>
17	DSIC Rider		5,162	0.0947	489	<i>Ex. 3, Sch 15, Atch N</i>
18	TCJA Rider		5,162	(0.0027)	(14)	<i>Ex. 3, Sch 15, Atch N</i>
19	Subtotal - Delivery				10,116	
20	STAS		5,162	(0.0041)	(21)	
21	Subtotal Customer Charge and Delivery Revenue				13,175	
22	Gas Cost		5,162	4.8090	24,822	<i>Ex. 3, Sch 15, Atch M</i>
23	Merchant Function Charge		5,162	0.0285	147	<i>Ex. 3, Sch 15, Atch N</i>
24	Total Industrial SGS Sales	131	5,162		38,144	7.389927
25 Commercial MGS Sales						
26	Customer Charge (1000 - 2499 Mcf/Yr)					
27	Service Charge	7,903		50.00	395,150	
28	DSIC Rider	7,903		2.7602	21,814	<i>Ex. 3, Sch 15, Atch N</i>
29	TCJA Rider	7,903		(0.6415)	(5,069)	<i>Ex. 3, Sch 15, Atch N</i>
30	Subtotal - Customer Charge (1000 - 2499 Mcf/Yr)				411,895	
31	Customer Charge (2500 - 24999 Mcf/Yr)					
32	Service Charge	1,887		77.00	145,299	
33	DSIC Rider	1,887		2.7602	5,209	<i>Ex. 3, Sch 15, Atch N</i>
34	TCJA Rider	1,887		(0.6415)	(1,210)	<i>Ex. 3, Sch 15, Atch N</i>
35	Subtotal - Customer Charge (2500 - 24999 Mcf/Yr)				149,297	
36	Delivery Charge					
37	Base Rate Delivery		1,832,036	2.1904	4,012,893	
38	Rider GPC - Gas Procurement Charge		1,832,036	0.1055	193,280	<i>Ex. 3, Sch 15, Atch N</i>
39	DSIC Rider		1,832,036	0.1162	212,817	<i>Ex. 3, Sch 15, Atch N</i>
40	TCJA Rider		1,832,036	(0.0075)	(13,804)	<i>Ex. 3, Sch 15, Atch N</i>
41	Subtotal - Delivery				4,405,186	
42	STAS		1,832,036	(0.0050)	(9,230)	
43	Subtotal Customer Charge and Delivery Revenue				4,957,148	
44	Gas Cost		1,832,036	4.6810	8,575,829	<i>Ex. 3, Sch 15, Atch M</i>
45	Merchant Function Charge		1,832,036	0.0287	52,639	<i>Ex. 3, Sch 15, Atch N</i>
46	Total Commercial MGS Sales	9,790	1,832,036		13,585,616	7.415582
47 Industrial MGS Sales						
48	Customer Charge (1000 - 2499 Mcf/Yr)					
49	Service Charge	89		50.00	4,450	
50	DSIC Rider	89		3.4441	307	<i>Ex. 3, Sch 15, Atch N</i>
51	TCJA Rider	89		(0.8944)	(80)	<i>Ex. 3, Sch 15, Atch N</i>
52	Subtotal - Customer Charge (1000 - 2499 Mcf/Yr)				4,677	
53	Customer Charge (2500 - 24999 Mcf/Yr)					
54	Service Charge	207		77.00	15,939	
55	DSIC Rider	207		3.4441	713	<i>Ex. 3, Sch 15, Atch N</i>
56	TCJA Rider	207		(0.8944)	(185)	<i>Ex. 3, Sch 15, Atch N</i>
57	Subtotal - Customer Charge (2500 - 24999 Mcf/Yr)				16,467	
58	Delivery Charge					
59	Base Rate Delivery		133,434	1.5243	203,393	
60	Rider GPC - Gas Procurement Charge		133,434	0.1055	14,077	<i>Ex. 3, Sch 15, Atch N</i>
61	DSIC Rider		133,434	0.0829	11,057	<i>Ex. 3, Sch 15, Atch N</i>
62	TCJA Rider		133,434	(0.0096)	(1,284)	<i>Ex. 3, Sch 15, Atch N</i>
63	Subtotal - Delivery				227,242	
64	STAS		133,434	(0.0035)	(468)	
65	Subtotal Customer Charge and Delivery Revenue				247,918	
66	Gas Cost		133,434	4.6712	623,290	<i>Ex. 3, Sch 15, Atch M</i>
67	Merchant Function Charge		133,434	0.0288	3,846	<i>Ex. 3, Sch 15, Atch N</i>
68	Total Industrial MGS Sales	296	133,434		875,055	6.557977

Peoples Natural Gas Company LLC
Peoples Division
Historic Test Year Rate Proof
For the 12 Months Ended September 30, 2018

Line No.	Description	Bills (1)	Volumes (2) Mcf	Base Rate (3) \$/Mcf	Revenue (4)=(1 or 2) x (3) \$	Average Rate (5)=(4 / 2) \$/Mcf
		(Ex 3, Sch 15, Ach F)	(Ex 3, Sch 15, Ach G)			
1	Commercial LGS Sales					
2	Customer Charge (25000 - 49999 Mcf/Yr)					
3	Service Charge	42		443.00	18,606	
4	DSIC Rider	42		24,355.4	1,023	Ex 3, Sch 15, Ach N
5	TCJA Rider	42		(3,286.2)	(138)	Ex 3, Sch 15, Ach N
6	Subtotal - Customer Charge (25000 - 49999 Mcf/Yr)				19,491	
7	Customer Charge (50000 - 99999 Mcf/Yr)					
8	Service Charge	32		545.00	17,440	
9	DSIC Rider	32		24,355.4	779	Ex 3, Sch 15, Ach N
10	TCJA Rider	32		(3,286.2)	(105)	Ex 3, Sch 15, Ach N
11	Subtotal - Customer Charge (50000 - 99999 Mcf/Yr)				18,114	
12	Delivery Charge					
13	Base Rate Delivery		116,673	2,391.3	279,001	
14	Rider GPC - Gas Procurement Charge		116,673	0.1055	12,309	Ex 3, Sch 15, Ach N
15	DSIC Rider		116,673	0.1263	14,730	Ex 3, Sch 15, Ach N
16	TCJA Rider		116,673	(0.0045)	(528)	Ex 3, Sch 15, Ach N
17	Subtotal - Delivery				305,512	
18	STAS		116,673	(0.0055)	(642)	
19	Subtotal Customer Charge and Delivery Revenue				342,476	
20	Gas Cost		116,673	4,353.5	507,941	Ex 3, Sch 15, Ach M
21	Merchant Function Charge			116,673	3,366	Ex 3, Sch 15, Ach N
22	Total Commercial LGS Sales	74			853,782	7,3177
23	Industrial LGS Sales					
24	Customer Charge (25000 - 49999 Mcf/Yr)					
25	Service Charge	5		443.00	2,215	
26	DSIC Rider	5		24,700.0	124	Ex 3, Sch 15, Ach N
27	TCJA Rider	5		(2,628.6)	(13)	Ex 3, Sch 15, Ach N
28	Subtotal - Customer Charge (25000 - 49999 Mcf/Yr)				2,325	
29	Customer Charge (50000 - 99999 Mcf/Yr)					
30	Service Charge	5		545.00	2,725	
31	DSIC Rider	5		24,700.0	124	Ex 3, Sch 15, Ach N
32	TCJA Rider	5		(2,628.6)	(13)	Ex 3, Sch 15, Ach N
33	Subtotal - Customer Charge (50000 - 99999 Mcf/Yr)				2,835	
34	Delivery Charge					
35	Base Rate Delivery		22,825	1,753.3	40,065	
36	Rider GPC - Gas Procurement Charge		22,825	0.1055	2,408	Ex 3, Sch 15, Ach N
37	DSIC Rider		22,825	0.0944	2,155	Ex 3, Sch 15, Ach N
38	TCJA Rider		22,825	(0.0027)	(63)	Ex 3, Sch 15, Ach N
39	Subtotal - Delivery				44,565	
40	STAS		22,825	(0.0040)	(92)	
41	Subtotal Customer Charge and Delivery Revenue				49,634	
42	Gas Cost		22,825	4,213.9	96,183	Ex 3, Sch 15, Ach M
43	Merchant Function Charge			22,825	688	Ex 3, Sch 15, Ach N
44	Total Industrial LGS Sales	10	22,825	0,0301	146,505	6,4186
45	Tariff Sales Summary by Rate Class					
46	Residential Sales					
47	Base Rate Revenue				117,818,634	
48	STAS				(173,600)	
49	Supplier Choice Rider				151,394	
50	Universal Services Program				3,495,691	
51	Merchant Function Charge				2,635,396	
52	Gas Procurement Charge				2,541,639	
53	DSIC				6,678,040	
54	TCJA				(687,309)	
55	Gas Cost				117,110,321	
56	Total Residential Sales	3,035,154	24,091,361		249,570,205	
57	SGS Sales					
58	Base Rate Revenue				11,628,551	
59	STAS				(19,018)	
60	Supplier Choice Rider				11,420	
61	Merchant Function Charge				107,586	
62	Gas Procurement Charge				397,730	
63	DSIC				607,465	
64	TCJA				(57,381)	
65	Gas Cost				18,215,021	
66	Total SGS Sales	212,260	3,769,954		30,891,374	
67	MGS Sales					
68	Base Rate Revenue				4,777,123	
69	STAS				(9,697)	
70	Merchant Function Charge				56,485	
71	Gas Procurement Charge				207,357	
72	DSIC				251,915	
73	TCJA				(21,633)	
74	Gas Cost				9,199,120	
75	Total MGS Sales	10,086	1,965,470		14,460,670	
76	LGS Sales					
77	Base Rate Revenue				360,052	
78	STAS				(734)	
79	Merchant Function Charge				4,054	
80	Gas Procurement Charge				14,717	
81	DSIC				18,934	
82	TCJA				(860)	
83	Gas Cost				604,124	
84	Total LGS Sales	84	139,498		1,000,287	
85	Commercial & Industrial Sales (Total SGS, MGS, LGS)					
86	Base Rate Revenue				16,765,726	
87	STAS				(29,449)	
88	Supplier Choice Rider				11,420	
89	Merchant Function Charge				168,125	
90	Gas Procurement Charge				619,804	
91	DSIC				878,315	
92	TCJA				(79,874)	
93	Gas Cost				28,018,264	
94	Commercial & Industrial Sales (Total SGS, MGS, LGS)	222,430	5,874,923		46,352,331	
95	Total Tariff Sales					
96	Base Rate Revenue				134,584,360	
97	STAS				(203,049)	
98	Supplier Choice Rider				162,814	
99	Universal Services Program				3,495,691	
100	Merchant Function Charge				2,803,521	
101	Gas Procurement Charge				3,161,443	
102	DSIC				7,556,355	
103	TCJA				(767,183)	
104	Gas Cost				145,128,586	
105	Total Tariff Sales	3,257,584	29,966,284		295,922,537	

Peoples Natural Gas Company LLC
Peoples Division
Historic Test Year Rate Proof
For the 12 Months Ended September 30, 2018

Line No.	Description	Bills	Volumes	Base Rate	Revenue	Average Rate
		(1) <i>(Ex 3, Sch 15, Atch F)</i>	(2) Mcf <i>(Ex 3, Sch 15, Atch G)</i>	(3) \$/Mcf	(4)=(1 or 2) x 3 \$	(5)=(4 / 2) \$/Mcf
1 Residential Transport						
2	Customer Charge					
3	Service Charge	950,272		13.95	13,256,294	
4	DSIC Rider	950,272		0.6975	662,815	<i>Ex 3, Sch 15, Atch M</i>
5	Supplier Choice Rider	950,272		0.0538	51,125	<i>Ex 3, Sch 15, Atch M</i>
6	TCJA Rider	950,272		(0.1636)	(155,432)	<i>Ex 3, Sch 15, Atch M</i>
7	Subtotal - Customer Charge				13,814,802	
8	Delivery Charge:					
9	Base Rate Delivery		7,766,150	3.1330	24,331,348	
10	Universal Service Rider		7,766,150	0.4386	3,405,856	
11	DSIC Rider		7,766,150	0.1799	1,397,342	<i>Ex 3, Sch 15, Atch M</i>
12	TCJA Rider		7,766,150	(0.0067)	(51,660)	<i>Ex 3, Sch 15, Atch M</i>
13	Subtotal - Delivery				29,082,886	
14	STAS		7,766,150	(0.0072)	(55,962)	
15	Subtotal Customer Charge and Delivery Revenue				42,841,726	
16	Gas Cost		7,766,150	1.6977	13,184,509	<i>Ex 3, Sch 15, Atch N</i>
17	Merchant Function Charge		7,766,150	0.0273	212,016	<i>Ex 3, Sch 15, Atch M</i>
18	Total Residential Transport	950,272	7,766,150		56,238,250	7.241458
19 Commercial SGS Transport						
20	Customer Charge (0 - 499 Mcf/Yr)					
21	Service Charge	74,078		14.88	1,102,281	
22	DSIC Rider	74,078		0.8488	62,878	<i>Ex 3, Sch 15, Atch M</i>
23	Supplier Choice Rider	74,078		0.0538	3,985	<i>Ex 3, Sch 15, Atch M</i>
24	TCJA Rider	74,078		(0.1941)	(14,382)	<i>Ex 3, Sch 15, Atch M</i>
25	Subtotal - Customer Charge (0 - 499 Mcf/Yr)				1,154,762	
26	Customer Charge (500 - 999 Mcf/Yr)					
27	Service Charge	15,492		27.00	418,284	
28	DSIC Rider	15,492		0.8488	13,150	<i>Ex 3, Sch 15, Atch M</i>
29	Supplier Choice Rider	15,492		0.0538	833	<i>Ex 3, Sch 15, Atch M</i>
30	TCJA Rider	15,492		(0.1941)	(3,008)	<i>Ex 3, Sch 15, Atch M</i>
31	Subtotal - Customer Charge (500 - 999 Mcf/Yr)				429,260	
32	Delivery Charge:					
33	Base Rate Delivery		2,361,684	2.1939	5,181,297	
34	Negotiated Delivery		55,427	1.2014	66,591	
35	DSIC Rider		2,417,110	0.1097	265,157	<i>Ex 3, Sch 15, Atch M</i>
36	TCJA Rider		2,417,110	(0.0053)	(12,690)	<i>Ex 3, Sch 15, Atch M</i>
37	Subtotal - Delivery				5,500,355	
38	STAS		2,417,110	(0.0050)	(12,197)	
39	Subtotal Customer Charge and Delivery Revenue				7,072,181	
40	Gas Cost		2,417,110	1.1500	2,779,567	<i>Ex 3, Sch 15, Atch N</i>
41	Total Commercial SGS Transport	89,570	2,417,110		9,851,747	4.075837
42 Industrial SGS Transport						
43	Customer Charge (0 - 499 Mcf/Yr)					
44	Service Charge	164		20.00	3,280	
45	DSIC Rider	164		1.1350	186	<i>Ex 3, Sch 15, Atch M</i>
46	Supplier Choice Rider	164		0.0538	9	<i>Ex 3, Sch 15, Atch M</i>
47	TCJA Rider	164		(0.2798)	(46)	<i>Ex 3, Sch 15, Atch M</i>
48	Subtotal - Customer Charge (0 - 499 Mcf/Yr)				3,429	
49	Customer Charge (500 - 999 Mcf/Yr)					
50	Service Charge	103		27.00	2,781	
51	DSIC Rider	103		1.1350	117	<i>Ex 3, Sch 15, Atch M</i>
52	Supplier Choice Rider	103		0.0538	6	<i>Ex 3, Sch 15, Atch M</i>
53	TCJA Rider	103		(0.2798)	(29)	<i>Ex 3, Sch 15, Atch M</i>
54	Subtotal - Customer Charge (500 - 999 Mcf/Yr)				2,875	
55	Delivery Charge:					
56	Base Rate Delivery		6,610	1.7623	11,649	
57	Negotiated Delivery		2,259	0.8789	1,986	
58	DSIC Rider		8,869	0.0881	781	<i>Ex 3, Sch 15, Atch M</i>
59	TCJA Rider		8,869	0.0303	269	<i>Ex 3, Sch 15, Atch M</i>
60	Subtotal - Delivery				14,685	
61	STAS		8,869	(0.0041)	(36)	
62	Subtotal Customer Charge and Delivery Revenue				20,952	
63	Gas Cost		8,869	0.9490	8,416	<i>Ex 3, Sch 15, Atch N</i>
64	Total Industrial SGS Transport	267	8,869		29,369	3.311404

Peoples Natural Gas Company LLC
Peoples Division
Historic Test Year Rate Proof
For the 12 Months Ended September 30, 2018

Line No.	Description	Bills (1)	Volumes (2) Mcf	Base Rate (3) \$/Mcf	Revenue (4)=(1 or 2) x 3 \$	Average Rate (5)=(4 / 2) \$/Mcf
		(Ex 3, Sch 15, Atch F)	(Ex 3, Sch 15, Atch G)			
1	Commercial MGS Transport					
2	Customer Charge (1000 - 2499 Mcf/Yr)					
3	Service Charge	13,750		50.00	687,500	
4	DSIC Rider	13,750		3.0390	41,786	Ex 3, Sch 15, Atch M
5	TCJA Rider	13,750		(0.7477)	(10,280)	Ex 3, Sch 15, Atch M
6	Subtotal - Customer Charge (1000 - 2499 Mcf/Yr)				719,006	
7	Customer Charge (2500 - 24999 Mcf/Yr)					
8	Service Charge	9,138		77.00	703,626	
9	DSIC Rider	9,138		3.0390	27,770	Ex 3, Sch 15, Atch M
10	TCJA Rider	9,138		(0.7477)	(6,832)	Ex 3, Sch 15, Atch M
11	Subtotal - Customer Charge (2500 - 24999 Mcf/Yr)				724,564	
12	Delivery Charge:					
13	Base Rate Delivery		5,653,436	2.1904	12,383,286	
14	Negotiated Delivery		1,136,778	1.2699	1,443,641	
15	DSIC Rider		6,790,214	0.1095	743,528	Ex 3, Sch 15, Atch M
16	TCJA Rider		6,790,214	(0.0078)	(52,794)	Ex 3, Sch 15, Atch M
17	Subtotal - Delivery				14,517,662	
18	STAS		6,790,214	(0.0050)	(34,209)	
19	Subtotal Customer Charge and Delivery Revenue				15,927,023	
20	Gas Cost		6,790,214	0.9755	6,624,065	Ex 3, Sch 15, Atch N
21	Total Commercial MGS Transport	22,888	6,790,214		22,551,088	3.321116
22	Industrial MGS Transport					
23	Customer Charge (1000 - 2499 Mcf/Yr)					
24	Service Charge	153		50.00	7,650	
25	DSIC Rider	153		3.6362	556	Ex 3, Sch 15, Atch M
26	TCJA Rider	153		(0.8599)	(132)	Ex 3, Sch 15, Atch M
27	Subtotal - Customer Charge (1000 - 2499 Mcf/Yr)				8,075	
28	Customer Charge (2500 - 24999 Mcf/Yr)					
29	Service Charge	813		77.00	62,601	
30	DSIC Rider	813		3.6362	2,956	Ex 3, Sch 15, Atch M
31	TCJA Rider	813		(0.8599)	(699)	Ex 3, Sch 15, Atch M
32	Subtotal - Customer Charge (2500 - 24999 Mcf/Yr)				64,858	
33	Delivery Charge:					
34	Base Rate Delivery		678,356	1.5243	1,034,018	
35	Negotiated Delivery		118,477	0.6682	79,161	
36	DSIC Rider		796,832	0.0762	60,719	Ex 3, Sch 15, Atch N
37	TCJA Rider		796,832	(0.0129)	(10,268)	Ex 3, Sch 15, Atch N
38	Subtotal - Delivery				1,163,629	
39	STAS		796,832	(0.0035)	(2,794)	
40	Subtotal Customer Charge and Delivery Revenue				1,233,768	
41	Gas Cost		796,832	0.8068	642,860	Ex 3, Sch 15, Atch M
42	Total Industrial MGS Transport	966	796,832		1,876,628	2.355111
43	Commercial LGS Transport					
44	Customer Charge (25000 - 49999 Mcf/Yr)					
45	Service Charge	389		443.00	172,327	
46	DSIC Rider	389		26.7320	10,399	Ex 3, Sch 15, Atch N
47	TCJA Rider	389		(5.5821)	(2,171)	Ex 3, Sch 15, Atch N
48	Subtotal - Customer Charge (25000 - 49999 Mcf/Yr)				180,554	
49	Customer Charge (50000 - 99999 Mcf/Yr)					
50	Service Charge	169		545.00	92,105	
51	DSIC Rider	169		26.7320	4,518	Ex 3, Sch 15, Atch N
52	TCJA Rider	169		(5.5821)	(943)	Ex 3, Sch 15, Atch N
53	Subtotal - Customer Charge (50000 - 99999 Mcf/Yr)				95,679	
54	Customer Charge (100000 - 199999 Mcf/Yr)					
55	Service Charge	68		793.00	53,924	
56	DSIC Rider	68		26.7320	1,818	Ex 3, Sch 15, Atch N
57	TCJA Rider	68		(5.5821)	(380)	Ex 3, Sch 15, Atch N
58	Subtotal - Customer Charge (100000 - 199999 Mcf/Yr)				55,362	
59	Customer Charge (>200000 Mcf/Year)					
60	Service Charge	24		1,215.00	29,160	
61	DSIC Rider	24		26.7320	642	Ex 3, Sch 15, Atch N
62	TCJA Rider	24		(5.5821)	(134)	Ex 3, Sch 15, Atch N
63	Subtotal - Customer Charge (>200000 Mcf/Year)				29,668	
64	Delivery Charge:					
65	Base Rate Delivery		2,007,549	2.3913	4,800,651	
66	Negotiated Delivery		1,495,239	0.6520	974,884	
67	DSIC Rider		3,502,788	0.1196	418,933	Ex 3, Sch 15, Atch N
68	TCJA Rider		3,502,788	(0.0167)	(58,367)	Ex 3, Sch 15, Atch N
69	Subtotal - Delivery				6,136,102	
70	STAS		3,502,788	(0.0055)	(19,265)	
71	Subtotal Customer Charge and Delivery Revenue				6,478,100	
72	Gas Cost		3,502,788	0.3334	1,167,993	Ex 3, Sch 15, Atch M
73	Total Commercial LGS Transport	650	3,502,788		7,646,093	2.182859

Peoples Natural Gas Company LLC
Peoples Division
Historic Test Year Rate Proof
For the 12 Months Ended September 30, 2018

Line No.	Description	Bills (1)	Volumes (2) Mcf	Base Rate (3) \$/Mcf	Revenue (4)=(1 or 2) x 3 \$	Average Rate (5)=(4 / 2) \$/Mcf
		(Ex 3, Sch 15, Atch F)	(Ex 3, Sch 15, Atch G)			
1	Commercial MGS Transport					
2	Customer Charge (1000 - 2499 Mcf/Yr)					
3	Service Charge	13,750		50.00	687,500	
4	DSIC Rider	13,750		3.0390	41,786	Ex 3, Sch 15, Atch M
5	TCJA Rider	13,750		(0.7477)	(10,280)	Ex 3, Sch 15, Atch M
6	Subtotal - Customer Charge (1000 - 2499 Mcf/Yr)				719,006	
7	Customer Charge (2500 - 24999 Mcf/Yr)					
8	Service Charge	9,138		77.00	703,626	
9	DSIC Rider	9,138		3.0390	27,770	Ex 3, Sch 15, Atch M
10	TCJA Rider	9,138		(0.7477)	(6,832)	Ex 3, Sch 15, Atch M
11	Subtotal - Customer Charge (2500 - 24999 Mcf/Yr)				724,564	
12	Delivery Charge:					
13	Base Rate Delivery		5,653,436	2.1904	12,383,286	
14	Negotiated Delivery		1,136,778	1.2699	1,443,641	
15	DSIC Rider		6,790,214	0.1095	743,528	Ex 3, Sch 15, Atch M
16	TCJA Rider		6,790,214	(0.0078)	(52,794)	Ex 3, Sch 15, Atch M
17	Subtotal - Delivery				14,517,662	
18	STAS		6,790,214	(0.0050)	(34,209)	
19	Subtotal Customer Charge and Delivery Revenue				15,927,023	
20	Gas Cost		6,790,214	0.9755	6,624,065	Ex 3, Sch 15, Atch N
21	Total Commercial MGS Transport	22,888	6,790,214		22,551,088	3.321116
22	Industrial MGS Transport					
23	Customer Charge (1000 - 2499 Mcf/Yr)					
24	Service Charge	153		50.00	7,650	
25	DSIC Rider	153		3.6362	556	Ex 3, Sch 15, Atch M
26	TCJA Rider	153		(0.8599)	(132)	Ex 3, Sch 15, Atch M
27	Subtotal - Customer Charge (1000 - 2499 Mcf/Yr)				8,075	
28	Customer Charge (2500 - 24999 Mcf/Yr)					
29	Service Charge	813		77.00	62,601	
30	DSIC Rider	813		3.6362	2,956	Ex 3, Sch 15, Atch M
31	TCJA Rider	813		(0.8599)	(699)	Ex 3, Sch 15, Atch M
32	Subtotal - Customer Charge (2500 - 24999 Mcf/Yr)				64,858	
33	Delivery Charge:					
34	Base Rate Delivery		678,356	1.5243	1,034,018	
35	Negotiated Delivery		118,477	0.6682	79,161	
36	DSIC Rider		796,832	0.0762	60,719	Ex 3, Sch 15, Atch N
37	TCJA Rider		796,832	(0.0129)	(10,268)	Ex 3, Sch 15, Atch N
38	Subtotal - Delivery				1,163,629	
39	STAS		796,832	(0.0035)	(2,794)	
40	Subtotal Customer Charge and Delivery Revenue				1,233,768	
41	Gas Cost		796,832	0.8068	642,860	Ex 3, Sch 15, Atch M
42	Total Industrial MGS Transport	966	796,832		1,876,628	2.355111
43	Commercial LGS Transport					
44	Customer Charge (25000 - 49999 Mcf/Yr)					
45	Service Charge	389		443.00	172,327	
46	DSIC Rider	389		26.7320	10,399	Ex 3, Sch 15, Atch N
47	TCJA Rider	389		(5.5821)	(2,171)	Ex 3, Sch 15, Atch N
48	Subtotal - Customer Charge (25000 - 49999 Mcf/Yr)				180,554	
49	Customer Charge (50000 - 99999 Mcf/Yr)					
50	Service Charge	169		545.00	92,105	
51	DSIC Rider	169		26.7320	4,518	Ex 3, Sch 15, Atch N
52	TCJA Rider	169		(5.5821)	(943)	Ex 3, Sch 15, Atch N
53	Subtotal - Customer Charge (50000 - 99999 Mcf/Yr)				95,679	
54	Customer Charge (100000 - 199999 Mcf/Yr)					
55	Service Charge	68		793.00	53,924	
56	DSIC Rider	68		26.7320	1,818	Ex 3, Sch 15, Atch N
57	TCJA Rider	68		(5.5821)	(380)	Ex 3, Sch 15, Atch N
58	Subtotal - Customer Charge (100000 - 199999 Mcf/Yr)				55,362	
59	Customer Charge (>200000 Mcf/Year)					
60	Service Charge	24		1,215.00	29,160	
61	DSIC Rider	24		26.7320	642	Ex 3, Sch 15, Atch N
62	TCJA Rider	24		(5.5821)	(134)	Ex 3, Sch 15, Atch N
63	Subtotal - Customer Charge (>200000 Mcf/Year)				29,668	
64	Delivery Charge:					
65	Base Rate Delivery		2,007,549	2.3913	4,800,651	
66	Negotiated Delivery		1,495,239	0.6520	974,884	
67	DSIC Rider		3,502,788	0.1196	418,933	Ex 3, Sch 15, Atch N
68	TCJA Rider		3,502,788	(0.0167)	(58,367)	Ex 3, Sch 15, Atch N
69	Subtotal - Delivery				6,136,102	
70	STAS		3,502,788	(0.0055)	(19,265)	
71	Subtotal Customer Charge and Delivery Revenue				6,478,100	
72	Gas Cost		3,502,788	0.3334	1,167,993	Ex 3, Sch 15, Atch M
73	Total Commercial LGS Transport	650	3,502,788		7,646,093	2.182859

Peoples Natural Gas Company LLC
Peoples Division
Historic Test Year Rate Proof
For the 12 Months Ended September 30, 2018

Line No.	Description	FERC I/S	Unbilled	Cycle 22 Estimates	Manual Billing Adjustments	Lost / Damaged / Theft Gas	Reclass to Imbalance / NGPV	Customer Mapping	Off-System	All Other (9=10- (1+2+3+4+5+ 6+7+8))	HTY Revenue Proof
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(10)	
		(Ex 3, Sch 15, Atch C)	(Ex 3, Sch 15, Atch K)	(Ex 3, Sch 15, Atch K)							pg. 6
1	Distribution Revenue										
2	Residential Sales Volumes (Mcf)	24,207,337	11,726		452	(10,254)	23	(117,797)		(126)	24,091,361
3	Residential Sales Revenue \$	252,122,130	(267,670)		27	(90,867)	596	(977,069)		(1,216,943)	249,570,205
4	Commercial & Industrial Volumes (Mcf)	5,742,560	12,836	1,104			(2,575)	117,797		3,201	5,874,923
5	Commercial and Industrial Sales \$	45,636,820	29,651	(2,266)			(16,147)	977,069		(272,796)	46,352,331
6	Transportation Volumes (Mcf)	39,096,622	7,766	(46,993)	3					0	39,057,398
7	Revs from Transp of Gas of Others thru Distri Fac. \$	114,374,072	9,957	(170,293)					(19,257)	2,765,272	116,959,751
8	Total Distribution Volumes (Mcf)	69,046,519	32,328	(45,889)	455	(10,254)	(2,552)	-	-	3,074	69,023,682
9	Total Distribution Revenue \$	412,133,023	(228,062)	(172,559)	27	(90,867)	(15,551)	-	(19,257)	1,275,533	412,882,287
10	Other Miscellaneous Revenue										
11	Sales for Resale	7,575,909									7,575,909
12	Forfeited Discounts	2,847,679									2,847,679
13	Miscellaneous Service Revenues	1,721,197									1,721,197
14	Revs from Transp of Gas of Others thru Gath Fac.	-									-
15	Rent from Gas Property	659									659
16	Other Gas Revenues	10,889,057									10,889,057
17	Provision for Rate Refunds	(7,693,336)									(7,693,336)
18	Other Miscellaneous Revenue Total	15,341,165	-	-	-	-	-	-	-	-	15,341,165
19	Total Revenue	427,474,188	(228,062)	(172,559)	27	(90,867)	(15,551)	-	(19,257)	1,275,533	428,223,452

Peoples Natural Gas Company LLC
Equitable Division
Historic Test Year Rate Proof
For the 12 Months Ended September 30, 2018

Line No.	Description	Bills (1) <i>(Ex 3, Sch 15, Atch F)</i>	Volumes (2) Mcf <i>(Ex 3, Sch 15, Atch G)</i>	Base Rate (3) \$/Mcf	Revenue (4)=(1 or 2 x 3) \$	Average Rate (5)=(4 / 2) \$/Mcf
1 Residential Sales						
2	Customer Charge					
3	Service Charge	2,545,948		13.25	33,733,804	
4	DSIC Rider	2,545,948		0.1754	446,487	<i>Ex 3, Sch 15, Atch N</i>
5	Supplier Choice Rider	2,545,948		0.0468	119,150	<i>Ex 3, Sch 15, Atch N</i>
6	TCJA Rider	2,545,948		(0.2346)	(597,373)	<i>Ex 3, Sch 15, Atch N</i>
7	Subtotal - Customer Charge				33,702,068	
8	Delivery Charge					
9	Base Rate Delivery		19,289,772	3.1687	61,123,499	
10	Universal Service Rider		19,289,772	0.4777	9,214,792	<i>Ex 3, Sch 15, Atch N</i>
11	Rider GPC - Gas Procurement Charge		19,289,772	0.1055	2,035,071	<i>Ex 3, Sch 15, Atch N</i>
12	DSIC Rider		19,289,772	0.0114	219,835	<i>Ex 3, Sch 15, Atch N</i>
13	TCJA Rider		19,289,772	(0.0101)	(194,086)	<i>Ex 3, Sch 15, Atch N</i>
14	Subtotal - Delivery				72,399,112	
15	STAS		19,289,772	(0.0304)	(586,786)	
16	Subtotal Customer Charge and Delivery Revenue				105,514,395	
17	Gas Cost		19,289,772	4.8547	93,646,517	<i>Ex 3, Sch 15, Atch M</i>
18	Merchant Function Charge		19,289,772	0.1092	2,107,068	<i>Ex 3, Sch 15, Atch N</i>
19	Total Residential Sales	2,545,948	19,289,772		201,267,979	10.433922
20 Residential CAP Sales						
21	Customer Charge					
22	Service Charge	162,815		13.25	2,157,299	
23	DSIC Rider	162,815		0.1789	29,127	<i>Ex 3, Sch 15, Atch N</i>
24	Supplier Choice Rider	162,815		-	-	<i>Ex 3, Sch 15, Atch N</i>
25	TCJA Rider	162,815		(0.2390)	(38,918)	<i>Ex 3, Sch 15, Atch N</i>
26	Subtotal - Customer Charge				2,147,507	
27	Delivery Charge					
28	Base Rate Delivery		1,686,062	3.1687	5,342,623	
29	Cap Credit		1,686,062	(3.0441)	(5,132,568)	<i>Ex 3, Sch 15, Atch N</i>
30	Rider GPC - Gas Procurement Charge		1,686,062	0.1055	177,879	<i>Ex 3, Sch 15, Atch N</i>
31	DSIC Rider		1,686,062	0.0105	17,663	<i>Ex 3, Sch 15, Atch N</i>
32	TCJA Rider		1,686,062	(0.0089)	(14,992)	<i>Ex 3, Sch 15, Atch N</i>
33	Subtotal - Delivery				390,605	
34	STAS		1,686,062	(0.0304)	(51,289)	
35	Subtotal Customer Charge and Delivery Revenue				2,486,823	
36	Gas Cost		1,686,062	4.8557	8,187,016	<i>Ex 3, Sch 15, Atch M</i>
37	Merchant Function Charge		1,686,062	0.1093	184,231	<i>Ex 3, Sch 15, Atch N</i>
38	Total Residential CAP Sales	162,815	1,686,062		10,858,069	6.439901
39 Commercial SGS Sales						
40	Customer Charge (0 - 499 Mcf/Yr)					
41	Service Charge	139,342		17.00	2,368,814	
42	DSIC Rider	139,342		0.2504	34,884	<i>Ex 3, Sch 15, Atch N</i>
43	Supplier Choice Rider	139,342		0.0468	6,521	<i>Ex 3, Sch 15, Atch N</i>
44	TCJA Rider	139,342		(0.1795)	(25,013)	<i>Ex 3, Sch 15, Atch N</i>
45	Subtotal - Customer Charge (0 - 499 Mcf/Yr)				2,385,206	
46	Customer Charge (500 - 1000 Mcf/Yr)					
47	Service Charge	13,854		28.00	387,912	
48	DSIC Rider	13,854		0.2504	3,468	<i>Ex 3, Sch 15, Atch N</i>
49	Supplier Choice Rider	13,854		0.0468	648	<i>Ex 3, Sch 15, Atch N</i>
50	TCJA Rider	13,854		(0.1795)	(2,487)	<i>Ex 3, Sch 15, Atch N</i>
51	Subtotal - Customer Charge (500 - 1000 Mcf/Yr)				389,542	
52	Delivery Charge					
53	Base Rate Delivery		2,824,921	2.5910	7,319,371	
54	Rider GPC - Gas Procurement Charge		2,824,921	0.1055	298,029	<i>Ex 3, Sch 15, Atch M</i>
55	DSIC Rider		2,824,921	0.0081	22,903	<i>Ex 3, Sch 15, Atch M</i>
56	TCJA Rider		2,824,921	(0.0086)	(24,321)	<i>Ex 3, Sch 15, Atch N</i>
57	Subtotal - Delivery				7,615,983	
58	STAS		2,824,921	(0.0249)	(70,266)	
59	Subtotal Customer Charge and Delivery Revenue				10,320,465	
60	Gas Cost		2,824,921	4.8288	13,640,979	<i>Ex 3, Sch 15, Atch M</i>
61	Merchant Function Charge		2,824,921	0.0277	78,374	<i>Ex 3, Sch 15, Atch N</i>
62	Total Commercial SGS Sales	153,196	2,824,921		24,039,818	8.509907

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Line No.	Description	Bills (1) <i>(Ex 3, Sch 15, Atch F)</i>	Volumes (2) Mcf <i>(Ex 3, Sch 15, Atch G)</i>	Base Rate (3) \$/Mcf	Revenue (4)=((1 or 2) x 3) \$	Average Rate (5)=(4 / 2) \$/Mcf
1 Industrial SGS Sales						
2	Customer Charge (0 - 499 Mcf/Yr)					
3	Service Charge	231		17.00	3,927	
4	DSIC Rider	231		0.3334	77	<i>Ex 3, Sch 15, Atch N</i>
5	Supplier Choice Rider	231		0.0468	11	<i>Ex 3, Sch 15, Atch N</i>
6	TCJA Rider	231		(0.2925)	(68)	<i>Ex 3, Sch 15, Atch N</i>
7	Subtotal - Customer Charge (0 - 499 Mcf/Yr)				3,947	
8	Customer Charge (500 - 1000 Mcf/Yr)					
9	Service Charge	19		28.00	532	
10	DSIC Rider	19		0.3334	6	<i>Ex 3, Sch 15, Atch N</i>
11	Supplier Choice Rider	19		0.0468	1	<i>Ex 3, Sch 15, Atch N</i>
12	TCJA Rider	19		(0.2925)	(6)	<i>Ex 3, Sch 15, Atch N</i>
13	Subtotal - Customer Charge (500 - 1000 Mcf/Yr)				534	
14	Delivery Charge					
15	Base Rate Delivery		5,476	2.5910	14,188	
16	Rider GPC - Gas Procurement Charge		5,476	0.1055	578	<i>Ex 3, Sch 15, Atch N</i>
17	DSIC Rider		5,476	0.0029	16	<i>Ex 3, Sch 15, Atch N</i>
18	TCJA Rider		5,476	(0.0021)	(12)	<i>Ex 3, Sch 15, Atch N</i>
19	Subtotal - Delivery				14,770	
20	STAS		5,476	(0.0249)	(136)	
21	Subtotal Customer Charge and Delivery Revenue				19,115	
22	Gas Cost		5,476	4.8444	26,528	<i>Ex 3, Sch 15, Atch M</i>
23	Merchant Function Charge		5,476	0.0279	153	<i>Ex 3, Sch 15, Atch N</i>
24	Total Industrial SGS Sales	250	5,476		45,796	8.362997
25 Commercial MGS Sales						
26	Customer Charge (1001 - 4999 Mcf/Yr)					
27	Service Charge	6,619		150.00	992,850	
28	DSIC Rider	6,619		2.1108	13,971	<i>Ex 3, Sch 15, Atch N</i>
29	TCJA Rider	6,619		(2.8229)	(18,685)	<i>Ex 3, Sch 15, Atch N</i>
30	Subtotal - Customer Charge (1001 - 4999 Mcf/Yr)				988,136	
31	Customer Charge (5000 - 25000 Mcf/Yr)					
32	Service Charge	488		300.00	146,400	
33	DSIC Rider	488		2.1108	1,030	<i>Ex 3, Sch 15, Atch N</i>
34	TCJA Rider	488		(2.8229)	(1,378)	<i>Ex 3, Sch 15, Atch N</i>
35	Subtotal - Customer Charge (5000 - 25000 Mcf/Yr)				146,052	
36	Delivery Charge					
37	Base Rate Delivery		1,316,705	2.4950	3,285,180	
38	Rider GPC - Gas Procurement Charge		1,316,705	0.1055	138,912	<i>Ex 3, Sch 15, Atch N</i>
39	DSIC Rider		1,316,705	0.0110	14,518	<i>Ex 3, Sch 15, Atch N</i>
40	TCJA Rider		1,316,705	(0.0123)	(16,132)	<i>Ex 3, Sch 15, Atch N</i>
41	Subtotal - Delivery				3,422,478	
42	STAS		1,316,705	(0.0240)	(31,538)	
43	Subtotal Customer Charge and Delivery Revenue				4,525,129	
44	Gas Cost		1,316,705	4.6728	6,152,739	<i>Ex 3, Sch 15, Atch M</i>
45	Merchant Function Charge		1,316,705	0.0279	36,695	<i>Ex 3, Sch 15, Atch N</i>
46	Total Commercial MGS Sales	7,107	1,316,705		10,714,563	8.137404
47 Industrial MGS Sales						
48	Customer Charge (1001 - 4999 Mcf/Yr)					
49	Service Charge	213		150.00	31,950	
50	DSIC Rider	213		2.3105	492	<i>Ex 3, Sch 15, Atch N</i>
51	TCJA Rider	213		(3.0985)	(660)	<i>Ex 3, Sch 15, Atch N</i>
52	Subtotal - Customer Charge (1001 - 4999 Mcf/Yr)				31,782	
53	Customer Charge (5000 - 25000 Mcf/Yr)					
54	Service Charge	51		300.00	15,300	
55	DSIC Rider	51		2.3105	118	<i>Ex 3, Sch 15, Atch N</i>
56	TCJA Rider	51		(3.0985)	(158)	<i>Ex 3, Sch 15, Atch N</i>
57	Subtotal - Customer Charge (5000 - 25000 Mcf/Yr)				15,260	
58	Delivery Charge					
59	Base Rate Delivery		105,574	2.4950	263,407	
60	Rider GPC - Gas Procurement Charge		105,574	0.1055	11,138	<i>Ex 3, Sch 15, Atch N</i>
61	DSIC Rider		105,574	0.0189	1,992	<i>Ex 3, Sch 15, Atch N</i>
62	TCJA Rider		105,574	(0.0226)	(2,384)	<i>Ex 3, Sch 15, Atch N</i>
63	Subtotal - Delivery				274,153	
64	STAS		105,574	(0.0240)	(2,529)	
65	Subtotal Customer Charge and Delivery Revenue				318,666	
66	Gas Cost		105,574	4.7098	497,235	<i>Ex 3, Sch 15, Atch M</i>
67	Merchant Function Charge		105,574	0.0281	2,967	<i>Ex 3, Sch 15, Atch N</i>
68	Total Industrial MGS Sales	264	105,574		818,868	7.756336

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Line No.	Description	Bills	Volumes	Base Rate	Revenue	Average Rate
		(1) <small>(Ex. 3, Sch 15, Atch F)</small>	(2) Mcf <small>(Ex. 3, Sch 15, Atch G)</small>	(3) \$/Mcf	(4)=((1 or 2) x 3) \$	(5)=(4 / 2) \$/Mcf
1 Commercial LGS Sales						
2	Customer Charge (>25000 Mcf/Yr)					
3	Service Charge	53		1,600.00	84,800	
4	DSIC Rider	53		21,2528	1,126	<i>Ex. 3, Sch 15, Atch N</i>
5	TCJA Rider	53		(28,1609)	(1,493)	<i>Ex. 3, Sch 15, Atch N</i>
6	Subtotal - Customer Charge (>25000 Mcf/Yr)				84,434	
7	Delivery Charge					
8	Base Rate Delivery		132,883	2,4950	331,543	
9	Rider GPC - Gas Procurement Charge		132,883	0.1055	14,019	<i>Ex. 3, Sch 15, Atch N</i>
10	DSIC Rider		132,883	0.0058	764	<i>Ex. 3, Sch 15, Atch N</i>
11	TCJA Rider		132,883	(0.0038)	(502)	<i>Ex. 3, Sch 15, Atch N</i>
12	Subtotal - Delivery				345,824	
13	STAS		132,883	(0.0240)	(3,183)	
14	Subtotal Customer Charge and Delivery Revenue				427,075	
15	Gas Cost		132,883	4,2945	570,665	<i>Ex. 3, Sch 15, Atch M</i>
16	Merchant Function Charge		132,883	0.0274	3,635	<i>Ex. 3, Sch 15, Atch N</i>
17	Total Commercial LGS Sales	53	132,883		1,001,375	7.5358
18 Industrial LGS Sales						
19	Customer Charge (>25000 Mcf/Yr)					
20	Service Charge	-		1,600.00	-	
21	DSIC Rider	-			-	<i>Ex. 3, Sch 15, Atch N</i>
22	TCJA Rider	-			-	<i>Ex. 3, Sch 15, Atch N</i>
23	Subtotal - Customer Charge (>25000 Mcf/Yr)				-	
24	Delivery Charge					
25	Base Rate Delivery		-	2,4950	-	
26	Rider GPC - Gas Procurement Charge		-		-	<i>Ex. 3, Sch 15, Atch N</i>
27	DSIC Rider		-		-	<i>Ex. 3, Sch 15, Atch N</i>
28	TCJA Rider		-		-	<i>Ex. 3, Sch 15, Atch N</i>
29	Subtotal - Delivery				-	
30	STAS		-	(0.0240)	-	
31	Subtotal Customer Charge and Delivery Revenue				-	
32	Gas Cost		-		-	<i>Ex. 3, Sch 15, Atch M</i>
33	Merchant Function Charge		-		-	<i>Ex. 3, Sch 15, Atch N</i>
34	Total Industrial LGS Sales	-	-		-	-
35 Tariff Sales Summary by Rate Class						
Residential Sales						
37	Base Rate Revenue				102,357,225	
38	STAS				(638,075)	
39	Supplier Choice Rider				119,150	
40	Universal Services Program				4,082,224	
41	Merchant Function Charge				2,291,298	
42	Gas Procurement Charge				2,212,950	
43	DSIC				713,112	
44	TCJA				(845,369)	
45	Gas Cost				101,833,533	
46	Total Residential Sales	2,708,763	20,975,833		212,126,049	
SGS Sales						
48	Base Rate Revenue				10,094,745	
49	STAS				(70,402)	
50	Supplier Choice Rider				7,181	
51	Merchant Function Charge				78,526	
52	Gas Procurement Charge				298,607	
53	DSIC				61,356	
54	TCJA				(51,906)	
55	Gas Cost				13,667,507	
56	Total SGS Sales	153,446	2,830,397		24,085,613	
MGS Sales						
58	Base Rate Revenue				4,735,087	
59	STAS				(34,066)	
60	Merchant Function Charge				39,662	
61	Gas Procurement Charge				150,050	
62	DSIC				32,121	
63	TCJA				(39,397)	
64	Gas Cost				6,649,974	
65	Total MGS Sales	7,371	1,422,279		11,533,431	
LGS Sales						
67	Base Rate Revenue				416,343	
68	STAS				(3,183)	
69	Merchant Function Charge				3,635	
70	Gas Procurement Charge				14,019	
71	DSIC				1,891	
72	TCJA				(1,995)	
73	Gas Cost				570,665	
74	Total LGS Sales	53	132,883		1,001,375	
Commercial & Industrial Sales (Total SGS, MGS, LGS)						
76	Base Rate Revenue				15,246,174	
77	STAS				(107,651)	
78	Supplier Choice Rider				7,181	
79	Merchant Function Charge				121,823	
80	Gas Procurement Charge				462,677	
81	DSIC				95,367	
82	TCJA				(93,298)	
83	Gas Cost				20,888,146	
84	Commercial & Industrial Sales (Total SGS, MGS, LGS)	160,870	4,385,560		36,620,420	
Total Tariff Sales						
86	Base Rate Revenue				117,603,400	
87	STAS				(745,726)	
88	Supplier Choice Rider				126,332	
89	Universal Services Program				4,082,224	
90	Merchant Function Charge				2,413,122	
91	Gas Procurement Charge				2,675,627	
92	DSIC				808,479	
93	TCJA				(938,667)	
94	Gas Cost				122,721,679	
95	Total Tariff Sales	2,869,633	25,361,393		248,746,469	

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Line No.	Description	Bills (1) <i>(Ex 3, Sch 15, Atch F)</i>	Volumes (2) Mcf <i>(Ex 3, Sch 15, Atch G)</i>	Base Rate (3) \$/Mcf	Revenue (4)=((1 or 2) x 3) \$	Average Rate (5)=(4 / 2) \$/Mcf
1 Residential Transport						
2	Customer Charge					
3	Service Charge	248,979		13.25	3,298,972	
4	DSIC Rider	248,979		0.1900	47,298	<i>Ex 3, Sch 15, Atch M</i>
5	Supplier Choice Rider	248,979		0.0468	11,652	<i>Ex 3, Sch 15, Atch M</i>
6	TCJA Rider	248,979		(0.2551)	(63,503)	<i>Ex 3, Sch 15, Atch M</i>
7	Subtotal - Customer Charge				3,294,418	
8	Delivery Charge:					
9	Base Rate Delivery		1,904,426	3.1687	6,034,556	
10	Universal Service Rider		1,904,426	0.4772	908,872	
11	DSIC Rider		1,904,426	0.0115	21,946	<i>Ex 3, Sch 15, Atch M</i>
12	TCJA Rider		1,904,426	(0.0109)	(20,748)	<i>Ex 3, Sch 15, Atch M</i>
13	Subtotal - Delivery				6,944,626	
14	STAS		1,904,426	(0.0304)	(57,932)	
15	Subtotal Customer Charge and Delivery Revenue				10,181,113	
16	Gas Cost		1,904,426	1.6980	3,233,627	<i>Ex 3, Sch 15, Atch N</i>
17	Merchant Function Charge		1,904,426	0.0273	51,991	<i>Ex 3, Sch 15, Atch M</i>
18	Total Residential Transport	248,979	1,904,426		13,466,731	7.071279
19 Commercial SGS Transport						
20	Customer Charge (0 - 499 Mcf/Yr)					
21	Service Charge	30,430		17.00	517,310	
22	DSIC Rider	30,430		0.2971	9,041	<i>Ex 3, Sch 15, Atch M</i>
23	Supplier Choice Rider	30,430		0.0468	1,424	<i>Ex 3, Sch 15, Atch M</i>
24	TCJA Rider	30,430		(0.3051)	(9,284)	<i>Ex 3, Sch 15, Atch M</i>
25	Subtotal - Customer Charge (0 - 499 Mcf/Yr)				518,491	
26	Customer Charge (500 - 1000 Mcf/Yr)					
27	Service Charge	10,263		28.00	287,364	
28	DSIC Rider	10,263		0.2971	3,049	<i>Ex 3, Sch 15, Atch M</i>
29	Supplier Choice Rider	10,263		0.0468	480	<i>Ex 3, Sch 15, Atch M</i>
30	TCJA Rider	10,263		(0.3051)	(3,131)	<i>Ex 3, Sch 15, Atch M</i>
31	Subtotal - Customer Charge (500 - 1000 Mcf/Yr)				287,762	
32	Delivery Charge:					
33	Base Rate Delivery		1,185,263	2.5910	3,071,016	
34	Negotiated Delivery		94,813	1.9671	186,508	
35	DSIC Rider		1,280,076	0.0090	11,475	<i>Ex 3, Sch 15, Atch M</i>
36	TCJA Rider		1,280,076	(0.0100)	(12,852)	<i>Ex 3, Sch 15, Atch M</i>
37	Subtotal - Delivery				3,256,147	
38	STAS		1,280,076	(0.0249)	(31,840)	
39	Subtotal Customer Charge and Delivery Revenue				4,030,560	
40	Gas Cost		1,280,076	1.1503	1,472,408	<i>Ex 3, Sch 15, Atch N</i>
41	Total Commercial SGS Transport	40,693	1,280,076		5,502,968	4.298940
42 Industrial SGS Transport						
43	Customer Charge (0 - 499 Mcf/Yr)					
44	Service Charge	234		17.00	3,978	
45	DSIC Rider	234		0.2771	65	<i>Ex 3, Sch 15, Atch M</i>
46	Supplier Choice Rider	234		0.0468	11	<i>Ex 3, Sch 15, Atch M</i>
47	TCJA Rider	234		(0.3710)	(87)	<i>Ex 3, Sch 15, Atch M</i>
48	Subtotal - Customer Charge (0 - 499 Mcf/Yr)				3,967	
49	Customer Charge (500 - 1000 Mcf/Yr)					
50	Service Charge	77		28.00	2,156	
51	DSIC Rider	77		0.2771	21	<i>Ex 3, Sch 15, Atch M</i>
52	Supplier Choice Rider	77		0.0468	4	<i>Ex 3, Sch 15, Atch M</i>
53	TCJA Rider	77		(0.3710)	(29)	<i>Ex 3, Sch 15, Atch M</i>
54	Subtotal - Customer Charge (500 - 1000 Mcf/Yr)				2,152	
55	Delivery Charge:					
56	Base Rate Delivery		12,175	2.5910	31,545	
57	Negotiated Delivery		155	1.5109	233	
58	DSIC Rider		12,330	0.0032	39	<i>Ex 3, Sch 15, Atch M</i>
59	TCJA Rider		12,330	(0.0016)	(20)	<i>Ex 3, Sch 15, Atch M</i>
60	Subtotal - Delivery				31,798	
61	STAS		12,330	(0.0249)	(307)	
62	Subtotal Customer Charge and Delivery Revenue				37,611	
63	Gas Cost		12,330	0.9737	12,005	<i>Ex 3, Sch 15, Atch N</i>
64	Total Industrial SGS Transport	311	12,330		49,616	4.024166

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Line No.	Description	Bills (1) <i>(Ex 3, Sch 15, Arch F)</i>	Volumes (2) Mcf <i>(Ex 3, Sch 15, Arch G)</i>	Base Rate (3) \$/Mcf	Revenue (4)=(1 or 2) x 3 \$	Average Rate (5)=(4 / 2) \$/Mcf
1 Commercial MGS Transport						
2	Customer Charge (1001 - 4999 Mcf/Yr)					
3	Service Charge	11,827		150.00	1,774,050	
4	DSIC Rider	11,827		2.3678	28,003	<i>Ex 3, Sch 15, Arch M</i>
5	TCJA Rider	11,827		(3.1699)	(37,490)	<i>Ex 3, Sch 15, Arch M</i>
6	Subtotal - Customer Charge (1001 - 4999 Mcf/Yr)				1,764,563	
7	Customer Charge (5000 - 25000 Mcf/Yr)					
8	Service Charge	2,390		300.00	717,000	
9	DSIC Rider	2,390		2.3678	5,659	<i>Ex 3, Sch 15, Arch M</i>
10	TCJA Rider	2,390		(3.1699)	(7,576)	<i>Ex 3, Sch 15, Arch M</i>
11	Subtotal - Customer Charge (5000 - 25000 Mcf/Yr)				715,083	
12	Delivery Charge:					
13	Base Rate Delivery		3,923,579	2.4950	9,789,329	
14	Negotiated Delivery		713,723	1.8331	1,308,359	
15	DSIC Rider		4,637,302	0.0098	45,642	<i>Ex 3, Sch 15, Arch M</i>
16	TCJA Rider		4,637,302	(0.0113)	(52,267)	<i>Ex 3, Sch 15, Arch M</i>
17	Subtotal - Delivery				11,091,063	
18	STAS		4,637,302	(0.0240)	(111,073)	
19	Subtotal Customer Charge and Delivery Revenue				13,459,636	
20	Gas Cost		4,637,302	0.8709	4,038,785	<i>Ex 3, Sch 15, Arch N</i>
21	Total Commercial MGS Transport	14,217	4,637,302		17,498,421	3.773406
22 Industrial MGS Transport						
23	Customer Charge (1001 - 4999 Mcf/Yr)					
24	Service Charge	377		150.00	56,550	
25	DSIC Rider	377		2.8168	1,062	<i>Ex 3, Sch 15, Arch M</i>
26	TCJA Rider	377		(3.7803)	(1,425)	<i>Ex 3, Sch 15, Arch M</i>
27	Subtotal - Customer Charge (1001 - 4999 Mcf/Yr)				56,187	
28	Customer Charge (5000 - 25000 Mcf/Yr)					
29	Service Charge	238		300.00	71,400	
30	DSIC Rider	238		2.8168	670	<i>Ex 3, Sch 15, Arch M</i>
31	TCJA Rider	238		(3.7803)	(900)	<i>Ex 3, Sch 15, Arch M</i>
32	Subtotal - Customer Charge (5000 - 25000 Mcf/Yr)				71,171	
33	Delivery Charge:					
34	Base Rate Delivery		282,825	2.4950	705,648	
35	Negotiated Delivery		175,074	1.8811	329,322	
36	DSIC Rider		457,898	0.0320	14,630	<i>Ex 3, Sch 15, Arch N</i>
37	TCJA Rider		457,898	(0.0438)	(20,038)	<i>Ex 3, Sch 15, Arch N</i>
38	Subtotal - Delivery				1,029,562	
39	STAS		457,898	(0.0240)	(10,968)	
40	Subtotal Customer Charge and Delivery Revenue				1,145,952	
41	Gas Cost		457,898	0.8100	370,894	<i>Ex 3, Sch 15, Arch M</i>
42	Total Industrial MGS Transport	615	457,898		1,516,846	3.312626
43 Commercial LGS Transport						
44	Customer Charge (>25000 Mcf/Yr)					
45	Service Charge	611		1,600.00	977,600	
46	DSIC Rider	611		21.4751	13,121	<i>Ex 3, Sch 15, Arch N</i>
47	TCJA Rider	611		(28.7494)	(17,566)	<i>Ex 3, Sch 15, Arch N</i>
48	Subtotal - Customer Charge (>25000 Mcf/Yr)				973,155	
49	Delivery Charge:					
50	Base Rate Delivery		1,071,772	2.4950	2,674,070	
51	Negotiated Delivery		2,269,266	0.9908	2,248,312	
52	DSIC Rider		3,341,037	0.0226	75,424	<i>Ex 3, Sch 15, Arch N</i>
53	TCJA Rider		3,341,037	(0.0290)	(96,890)	<i>Ex 3, Sch 15, Arch N</i>
54	Subtotal - Delivery				4,900,916	
55	STAS		3,341,037	(0.0240)	(80,025)	
56	Subtotal Customer Charge and Delivery Revenue				5,794,047	
57	Gas Cost		3,341,037	0.2381	795,413	<i>Ex 3, Sch 15, Arch M</i>
58	Total Commercial LGS Transport	611	3,341,037		6,589,461	1.972280

Peoples Natural Gas Company LLC
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Historic Test Year Rate Proof
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Line No.	Description	Bills (1) <small>(Ex 3, Sch 15, Atch F)</small>	Volumes (2) Mcf <small>(Ex 3, Sch 15, Atch G)</small>	Base Rate (3) \$/Mcf	Revenue (4)=(1 or 2) x 3) \$	Average Rate (5)=(4 / 2) \$/Mcf
1	Industrial LGS Transport					
2	Customer Charge (>25000 Mcf/Yr)					
3	Service Charge	349		1,600.00	558,400	
4	DSIC Rider	349		21.3786	7,461	<i>Ex 3, Sch 15, Atch N</i>
5	TCJA Rider	349		(26.6464)	(9,300)	<i>Ex 3, Sch 15, Atch N</i>
6	Subtotal - Customer Charge (>25000 Mcf/Yr)				556,562	
7	Delivery Charge:					
8	Base Rate Delivery		217,186	2,4950	541,879	
9	Negotiated Delivery		14,419,340	0.3116	4,493,277	
10	DSIC Rider		14,636,526	0.0316	462,015	<i>Ex 3, Sch 15, Atch N</i>
11	TCJA Rider		14,636,526	(0.0417)	(610,791)	<i>Ex 3, Sch 15, Atch N</i>
12	Subtotal - Delivery				4,886,380	
13	STAS		14,636,526	(0.0240)	(350,574)	
14	Subtotal Customer Charge and Delivery Revenue				5,092,367	
15	Gas Cost		14,636,526	0.0552	807,410	<i>Ex 3, Sch 15, Atch M</i>
16	Total Industrial LGS Transport	349	14,636,526		5,899,777	0.403086
17	Transport Summary by Rate Class					
18	Residential Transport					
19	Base Rate Revenue				9,333,528	
20	STAS				(57,932)	
21	Supplier Choice Rider				11,652	
22	Rider USP				908,872	
23	Merchant Function Charge				51,991	
24	DSIC				69,244	
25	TCJA				(84,251)	
26	Gas Cost				3,233,627	
27	Total Residential Transport	248,979	1,904,426		13,466,731	
28	SGS Transport					
29	Base Rate Revenue				4,100,110	
30	STAS				(32,147)	
31	Supplier Choice Rider				1,919	
32	DSIC				23,691	
33	TCJA				(25,403)	
34	Gas Cost				1,484,413	
35	Total SGS Transport	41,004	1,292,405		5,552,584	
36	MGS Transport					
37	Base Rate Revenue				14,751,658	
38	STAS				(122,040)	
39	DSIC				95,667	
40	TCJA				(119,697)	
41	Gas Cost				4,409,679	
42	Total MGS Transport	14,832	5,095,200		19,015,267	
43	LGS Transport					
44	Base Rate Revenue				11,493,538	
45	STAS				(430,599)	
46	DSIC				558,022	
47	TCJA				(734,547)	
48	Gas Cost				1,602,823	
49	Total LGS Transport	960	17,977,563		12,489,238	
50	Transport					
51	Base Rate Revenue				39,678,834	
52	STAS				(642,717)	
53	Supplier Choice Rider				13,571	
54	Rider USP				908,872	
55	Merchant Function Charge				51,991	
56	DSIC				746,624	
57	TCJA				(963,898)	
58	Gas Cost				10,730,542	
59	Total Transport	305,775	26,269,594		50,523,819	
60	Residential Sales Revenue	2,708,763	20,975,833		212,126,049	
61	Commercial and Industrial Sales	160,870	4,385,560		36,620,420	
62	Sales for Resale				2,227,021	
63	Forfeited Discounts				1,990,844	
64	Miscellaneous Service Revenues				1,533,284	
65	Revs from Transp of Gas of Others thru Gath Fac.				8,555,849	
66	Revs from Transp of Gas of Others thru Distri Fac.	305,775	26,269,594		50,523,819	
67	Rent from Gas Property				173,982	
68	Other Gas Revenues				2,696,486	
69	Provision for Rate Refunds				(5,508,759)	
70	Total Revenue	3,175,408	51,630,987		310,938,994	

Peoples Natural Gas Company LLC
Equitable Division
Historic Test Year Rate Proof
For the 12 Months Ended September 30, 2018

Line No.	Description	Bills (1) <small>(Ex 3, Sch 15, Atch F)</small>	Volumes (2) Mcf <small>(Ex 3, Sch 15, Atch G)</small>	Base Rate (3) \$/Mcf	Revenue (4)=(1 or 2) x 3 \$	Average Rate (5)=(4 / 2) \$/Mcf
1	Industrial LGS Transport					
2	Customer Charge (>25000 Mcf/Yr)					
3	Service Charge	349		1,600.00	558,400	
4	DSIC Rider	349		21.3786	7,461	<i>Ex 3, Sch 15, Atch N</i>
5	TCJA Rider	349		(26.6464)	(9,300)	<i>Ex 3, Sch 15, Atch N</i>
6	Subtotal - Customer Charge (>25000 Mcf/Yr)				556,562	
7	Delivery Charge:					
8	Base Rate Delivery		217,186	2,4950	541,879	
9	Negotiated Delivery		14,419,340	0.3116	4,493,277	
10	DSIC Rider		14,636,526	0.0316	462,015	<i>Ex 3, Sch 15, Atch N</i>
11	TCJA Rider		14,636,526	(0.0417)	(610,791)	<i>Ex 3, Sch 15, Atch N</i>
12	Subtotal - Delivery				4,886,380	
13	STAS		14,636,526	(0.0240)	(350,574)	
14	Subtotal Customer Charge and Delivery Revenue				5,092,367	
15	Gas Cost		14,636,526	0.0552	807,410	<i>Ex 3, Sch 15, Atch M</i>
16	Total Industrial LGS Transport	349	14,636,526		5,899,777	0.403086
17	Transport Summary by Rate Class					
18	Residential Transport					
19	Base Rate Revenue				9,333,528	
20	STAS				(57,932)	
21	Supplier Choice Rider				11,652	
22	Rider USP				908,872	
23	Merchant Function Charge				51,991	
24	DSIC				69,244	
25	TCJA				(84,251)	
26	Gas Cost				3,233,627	
27	Total Residential Transport	248,979	1,904,426		13,466,731	
28	SGS Transport					
29	Base Rate Revenue				4,100,110	
30	STAS				(32,147)	
31	Supplier Choice Rider				1,919	
32	DSIC				23,691	
33	TCJA				(25,403)	
34	Gas Cost				1,484,413	
35	Total SGS Transport	41,004	1,292,405		5,552,584	
36	MGS Transport					
37	Base Rate Revenue				14,751,658	
38	STAS				(122,040)	
39	DSIC				95,667	
40	TCJA				(119,697)	
41	Gas Cost				4,409,679	
42	Total MGS Transport	14,832	5,095,200		19,015,267	
43	LGS Transport					
44	Base Rate Revenue				11,493,538	
45	STAS				(430,599)	
46	DSIC				558,022	
47	TCJA				(734,547)	
48	Gas Cost				1,602,823	
49	Total LGS Transport	960	17,977,563		12,489,238	
50	Transport					
51	Base Rate Revenue				39,678,834	
52	STAS				(642,717)	
53	Supplier Choice Rider				13,571	
54	Rider USP				908,872	
55	Merchant Function Charge				51,991	
56	DSIC				746,624	
57	TCJA				(963,898)	
58	Gas Cost				10,730,542	
59	Total Transport	305,775	26,269,594		50,523,819	
60	Residential Sales Revenue	2,708,763	20,975,833		212,126,049	
61	Commercial and Industrial Sales	160,870	4,385,560		36,620,420	
62	Sales for Resale				2,227,021	
63	Forfeited Discounts				1,990,844	
64	Miscellaneous Service Revenues				1,533,284	
65	Revs from Transp of Gas of Others thru Gath Fac.				8,555,849	
66	Revs from Transp of Gas of Others thru Distri Fac.	305,775	26,269,594		50,523,819	
67	Rent from Gas Property				173,982	
68	Other Gas Revenues				2,696,486	
69	Provision for Rate Refunds				(5,508,759)	
70	Total Revenue	3,175,408	51,630,987		310,938,994	

Peoples Natural Gas Company LLC
Equitable Division
Historic Test Year Rate Proof
For the 12 Months Ended September 30, 2018

Line No.	Description	FERC I/S	Unbilled	Cycle 22	Manual Billing Adjustments	Lost / Damaged / Theft Gas	Reclass to Imbalance / NGPV	Customer Mapping	All Other (8-9- (1+2+3+4+5+6+7))	HTY Revenue Proof
		(1)	(2)	(3)	(4)	(5)	(6)	(7)		(9)
		<i>(Ex 3, Sch 15, Atch C)</i>	<i>(Ex 3, Sch 15, Atch K)</i>	<i>(Ex 3, Sch 15, Atch K)</i>						<i>Pg. 6</i>
1	Distribution Revenue									
2	Residential Sales Volumes (Mcf)	21,613,894	13,069	71	122	(11,634)	268	(696,756)	56,799	20,975,833
3	Residential Sales Revenue \$	219,138,696	(190,899)	655		(99,831)	2,193	(5,902,567)	(822,198)	212,126,049
4	Commercial & Industrial Volumes (Mcf)	3,669,062	10,704	(1,171)	(58)		9,643	696,756	623	4,385,560
5	Commercial and Industrial Sales \$	30,796,977	36,926	(14,758)			83,356	5,902,567	(184,648)	36,620,420
6	Transportation Volumes (Mcf)	26,639,384	(9,599)	(360,239)					48	26,269,594
7	Revs from Transp of Gas of Others thru Distri Fac. \$	49,858,460	(99,714)	(233,783)					998,856	50,523,819
8	Total Distribution Volumes (Mcf)	51,922,341	14,174	(361,339)	64	(11,634)	9,911	-	57,470	51,630,987
9	Total Distribution Revenue \$	299,794,133	(253,687)	(247,886)	-	(99,831)	85,548	-	(7,990)	299,270,288
10	Other Miscellaneous Revenue									
11	Sales for Resale	2,227,021								2,227,021
12	Forfeited Discounts	1,990,844								1,990,844
13	Miscellaneous Service Revenues	1,533,284								1,533,284
14	Revs from Transp of Gas of Others thru Gath Fac.	8,555,849								8,555,849
15	Rent from Gas Property	173,982								173,982
16	Other Gas Revenues	2,696,486								2,696,486
17	Provision for Rate Refunds	(5,508,759)								(5,508,759)
18	Other Miscellaneous Revenue Total	11,668,706	-	-	-	-	-	-	-	11,668,706
19	Total Revenue	311,462,840	(253,687)	(247,886)	-	(99,831)	85,548	-	(7,990)	310,938,994