

Delta Natural Gas Company, Inc.
Pipe Replacement Program Filing
Program Year Ended: December 31, 2020
Rates Effective: May 1, 2021

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
1 Total annual expenditures under the PRP (Schedule II)	\$ 1,574,788	\$ 1,730,104	\$ 3,796,271	\$ 2,961,542	\$ 1,843,366	\$ 1,758,827	\$ 3,190,348	\$ 2,479,950	\$ 3,889,747	\$ 6,201,678	\$ 5,998,720	
2 Less:												
3 Accumulated depreciation	(311,251)	(377,815)	(772,029)	(511,433)	(339,209)	(240,465)	(383,943)	(233,519)	(256,470)	(269,443)	(89,335)	
4 Accumulated deferred income taxes	(469,021)	(513,329)	(1,134,693)	(930,061)	(570,930)	(559,066)	(1,032,724)	(837,138)	(771,298)	(1,403,594)	(1,149,907)	
5 Net PRP Rate Base, as of December 31, 2020	794,516	838,960	1,889,549	1,520,048	933,227	959,296	1,773,681	1,409,293	2,861,979	4,528,641	4,759,478	
6 WACOC, per case no 2010-00116	7.97025%	7.97025%	7.97025%	7.97025%	7.97025%	7.97025%	7.97025%	7.97025%	7.97025%	7.97025%	7.97025%	
7 Allowed Return	63,325	66,867	150,602	121,152	74,381	76,458	141,367	112,324	228,107	360,944	379,342	
8 Tax expansion factor, w PSC (per Case No. 2010-00116)	1.60658	1.60658	1.60658	1.60658	1.60658	1.60658	1.60658	1.60658	1.33245	1.33245	1.33245	
9 Return, grossed up for income taxes	\$ 101,737	\$ 107,427	\$ 241,954	\$ 194,641	\$ 119,499	\$ 122,836	\$ 227,118	\$ 180,458	\$ 303,941	\$ 480,940	\$ 505,454	\$ 2,586,005
10 Cost of Service Items (Schedule III)												\$ 1,386,759
12 Current Year PRP Adjustment												\$ 3,972,764
13 Balancing Adjustment												
14 Prior Year PRP Adjustment												3,370,447
15 Less: Actual Collections of Prior Year PRP Adjustment May 2020 through February 2021												(2,814,894)
16 Less: Estimated Collections March 2021 and April 2021												(571,448) A
17 Total PRP Adjustment												\$ 3,956,869

	Calculated Net Revenue		# of Customers		Monthly PRP Rate
	@ Approved Rates per Case No. 2010-00116	Class Allocation	Allocated PRP Adjustment	for the 12 months ended October 31, 2020	
18 Residential	\$ 14,846,218	54.3%	\$ 2,149,473	365,361	\$ 5.88
19 Small Non-Residential	3,991,286	14.6%	577,868	51,464	\$ 11.23
18 Large Non-Residential	7,008,122	25.6%	1,014,654	12,123	\$ 83.70
19 Interruptible	1,484,119	5.4%	214,874	334	\$ 643.34
20	\$ 27,329,745	100.0%	\$ 3,956,869	429,282	

A Based on average monthly PRP billings for the six-months ended February 2021.

Calendar Year 2010
PRP Worksheet

	A		Book Depreciation Reserve			Book Net Book Value	COR Rate	COR Depr
	2010 Investment	Book Depr Year 11	Depreciation					
			Beginning	Expense	Ending			
1 Distribution Mains	816,750	3.10%	(240,531)	(25,319)	(265,850)	550,900	0.01%	\$ (82)
2 Transmission Mains	23,974	2.33%	(5,310)	(559)	(5,869)	18,105	0.02%	(5)
3 Services	118,268	2.69%	(30,220)	(3,181)	(33,401)	84,867	0.42%	(497)
4 Gathering Lines	-	2.25%	-	-	-	-	0.00%	-
5 Storage Lines	-	2.05%	-	-	-	-	0.00%	-
6 Cost of Removal	615,796	various	(5,547)	(584)	(6,131)	609,665	0.00%	-
	1,574,788		(281,608)	(29,643)	(311,251)	1,263,537		\$ (584)

	Book Investment	Qualifying Tax		Tax Expense	Tax Additions	50% Bonus Depreciation	Depreciable Base	MACRS YEAR 11	Tax Depreciation Reserve					Tax Net Book Value					
		Expense Percentage	Tax Expense						Tax Additions	50% Bonus Depreciation	Depreciable Base	Tax Life	YEAR 11		Beginning	Tax Expense	Bonus Depr	MACRS Depr	Ending
7 Distribution Mains	816,750	94.5%	(771,829)	44,921	(22,461)	22,461	15	5.905%	(810,464)	-	-	(1,326)	(811,790)	4,960					
8 Transmission Mains	23,974	100.0%	(23,974)	-	-	-	15	5.905%	(23,974)	-	-	-	(23,974)	-					
9 Services	118,268	0.0%	-	118,268	(59,134)	59,134	20	4.462%	(92,617)	-	-	(2,639)	(95,256)	23,012					
10 Gathering Lines	-	0.0%	-	-	-	-	7	0.000%	-	-	-	-	-	-					
11 Storage Lines	-	0.0%	-	-	-	-	15	5.905%	-	-	-	-	-	-					
12 Cost of Removal	615,796	NA	-	-	-	-	NA	NA	-	-	-	-	-	NA					
	1,574,788		(795,803)	163,189	(81,595)	81,595			(927,055)	-	-	(3,965)	(931,020)	27,972					

	Net Book Value		Cumulative		
	Book	Tax	Timing Difference	Statutory Rate	Deferred Income Taxes
13 Distribution Mains	550,900	4,960	(545,940)	37.96%	(207,239)
14 Transmission Mains	18,105	-	(18,105)	37.96%	(6,873)
15 Services	84,867	23,012	(61,855)	37.96%	(23,480)
16 Gathering Lines	-	-	-	37.96%	-
17 Storage Lines	-	-	-	37.96%	-
18 Cost of Removal	609,665	NA	(609,665)	37.96%	(231,429)
	1,263,537	27,972	(1,235,565)		(469,021)

A Depreciation rate for lines 1-5 exclude cost of removal rate. Provision for cost of removal on PRP assets is reflected on line 6.

Calendar Year 2011
PRP Worksheet

	A		Book Depreciation Reserve			Book Net Book Value	COR Rate	COR Depr
	2011 Investment	Book Depr Year 10	A					
			Beginning	Expense	Ending			
1 Distribution Mains	828,951	3.10%	(218,425)	(25,697)	(244,122)	584,829	0.01%	\$ (83)
2 Transmission Mains	88,312	2.33%	(17,493)	(2,058)	(19,551)	68,761	0.02%	(18)
3 Services	383,075	2.69%	(87,592)	(10,305)	(97,897)	285,178	0.42%	(1,609)
4 Gathering Lines	-	2.25%	-	-	-	-	0.00%	-
5 Storage Lines	-	2.05%	-	-	-	-	0.00%	-
6 Cost of Removal	429,766	various	(14,535)	(1,710)	(16,245)	413,521	0.00%	-
	1,730,104		(338,045)	(39,770)	(377,815)	1,352,289		\$ (1,710)

	Qualifying Tax		100%			MACRS YEAR	Tax Depreciation Reserve				Tax Net Book Value				
	Book Investment	Expense Percentage	Tax Expense	Tax Additions	Bonus Depreciation		Depreciable Base	Tax Life	10	Beginning		Tax Expense	Bonus Depr	MACRS Depr	Ending
8 Transmission Mains	88,312	94.0%	(82,981)	5,331	(5,331)	-	15	5.905%	(88,312)	-	-	-	(88,312)	-	
9 Services	383,075	100.0%	(383,075)	-	-	-	20	4.461%	(383,075)	-	-	-	(383,075)	-	
10 Gathering Lines	-	0.0%	-	-	-	-	7	0.000%	-	-	-	-	-	-	
11 Storage Lines	-	0.0%	-	-	-	-	15	5.905%	-	-	-	-	-	-	
12 Cost of Removal	429,766	NA	-	-	-	-	NA	NA	-	-	-	-	-	NA	
	1,730,104		(1,054,611)	245,727	(245,727)	-			(1,300,338)	-	-	-	(1,300,338)	-	

	Net Book Value		Cumulative		
	Book	Tax	Timing Difference	Statutory Rate	Deferred Income Taxes
14 Transmission Mains	68,761	-	(68,761)	37.96%	(26,102)
15 Services	285,178	-	(285,178)	37.96%	(108,254)
16 Gathering Lines	-	-	-	37.96%	-
17 Storage Lines	-	-	-	37.96%	-
18 Cost of Removal	413,521	NA	(413,521)	37.96%	(156,973)
	1,352,289	-	(1,352,289)		(513,329)

A Depreciation rate for lines 1-5 exclude cost of removal rate. Provision for cost of removal on PRP assets is reflected on line 6.

Calendar Year 2012
PRP Worksheet

	A		Book Depreciation Reserve			Book Net Book Value	COR Rate	COR Depr
	2012 Investment	Book Depr Year 9	A		Ending			
			Beginning	Expense				
1 Distribution Mains	2,164,531	3.10%	(503,250)	(67,100)	(570,350)	1,594,181	0.01%	\$ (216)
2 Transmission Mains	31,604	2.33%	(5,520)	(736)	(6,256)	25,348	0.02%	(6)
3 Services	732,128	2.69%	(147,705)	(19,694)	(167,399)	564,729	0.42%	(3,075)
4 Gathering Lines	-	2.25%	-	-	-	-	0.00%	-
5 Storage Lines	-	2.05%	-	-	-	-	0.00%	-
6 Cost of Removal	868,008	various	(24,727)	(3,297)	(28,024)	839,984	0.00%	-
	3,796,271		(681,202)	(90,827)	(772,029)	3,024,242		\$ (3,297)

	Qualifying Tax		50%			MACRS YEAR	Tax Depreciation Reserve				Tax Net Book Value			
	Book Investment	Expense Percentage	Tax Expense	Tax Additions	Bonus Depreciation		Depreciable Base	Tax Life	9	Beginning		Expense	Bonus Depr	MACRS Depr
7 Distribution Mains	2,164,531	93.0%	(2,013,014)	151,517	(75,759)	15	5.905%	(2,130,981)	-	-	-	(4,474)	(2,135,455)	29,076
8 Transmission Mains	31,604	1.3%	(416)	31,188	(15,594)	15	5.905%	(24,698)	-	-	-	(921)	(25,619)	5,985
9 Services	732,128	100.0%	(732,128)	-	-	20	4.462%	(732,128)	-	-	-	-	(732,128)	-
10 Gathering Lines	-	0.0%	-	-	-	7	0.000%	-	-	-	-	-	-	-
11 Storage Lines	-	0.0%	-	-	-	15	5.905%	-	-	-	-	-	-	-
12 Cost of Removal	868,008	NA	-	-	-	NA	NA	-	-	-	-	-	-	NA
	3,796,271		(2,745,558)	182,705	(91,353)			(2,887,807)	-	-	-	(5,395)	(2,893,202)	35,061

	Net Book Value		Cumulative Timing Difference	Statutory Rate	Deferred Income Taxes
	Book	Tax			
13 Distribution Mains	1,594,181	29,076	(1,565,105)	37.96%	(594,114)
14 Transmission Mains	25,348	5,985	(19,363)	37.96%	(7,350)
15 Services	564,729	-	(564,729)	37.96%	(214,371)
16 Gathering Lines	-	-	-	37.96%	-
17 Storage Lines	-	-	-	37.96%	-
18 Cost of Removal	839,984	NA	(839,984)	37.96%	(318,858)
	3,024,242	35,061	(2,989,181)		(1,134,693)

A Depreciation rate for lines 1-5 exclude cost of removal rate. Provision for cost of removal on PRP assets is reflected on line 6.

Calendar Year 2013
PRP Worksheet

	A Book Depr		Book Depreciation Reserve			Book Net Book Value	COR Rate	COR Depr
	2013 Investment	Year 8	Beginning	Expense	Ending			
1 Distribution Mains	1,672,265	3.10%	(336,960)	(51,840)	(388,800)	1,283,465	0.01%	\$ (167)
2 Transmission Mains	-	2.33%	-	-	-	-	0.02%	-
3 Services	520,370	2.69%	(90,987)	(13,998)	(104,985)	415,385	0.42%	(2,186)
4 Gathering Lines	-	2.25%	-	-	-	-	0.00%	-
5 Storage Lines	-	2.05%	-	-	-	-	0.00%	-
6 Cost of Removal	768,907	various	(15,295)	(2,353)	(17,648)	751,259	0.00%	-
	2,961,542		(443,242)	(68,191)	(511,433)	2,450,109		\$ (2,353)

	Book Investment	Qualifying Tax Expense Percentage	Tax Expense	Tax Additions	50% Bonus Depreciation	Depreciable Base	MACRS YEAR	Tax Depreciation Reserve				Tax Net Book Value		
								Beginning	Expense	Bonus Depr	MACRS Depr		Ending	
7 Distribution Mains	1,672,265	100.0%	(1,672,265)	-	-	-	15	5.905%	(1,672,265)	-	-	-	(1,672,265)	-
8 Transmission Mains	-	0.0%	-	-	-	-	15	5.905%	-	-	-	-	-	-
9 Services	520,370	100.0%	(520,370)	-	-	-	20	4.522%	(520,370)	-	-	-	(520,370)	-
10 Gathering Lines	-	0.0%	-	-	-	-	7	4.462%	-	-	-	-	-	-
11 Storage Lines	-	0.0%	-	-	-	-	15	5.905%	-	-	-	-	-	-
12 Cost of Removal	768,907	NA	-	-	-	-	NA	NA	-	-	-	-	-	NA
	2,961,542		(2,192,635)	-	-	-			(2,192,635)	-	-	-	(2,192,635)	-

	Net Book Value		Cumulative Timing Difference	Statutory Rate	Deferred Income Taxes
	Book	Tax			
13 Distribution Mains	1,283,465	-	(1,283,465)	37.96%	(487,203)
14 Transmission Mains	-	-	-	37.96%	-
15 Services	415,385	-	(415,385)	37.96%	(157,680)
16 Gathering Lines	-	-	-	37.96%	-
17 Storage Lines	-	-	-	37.96%	-
18 Cost of Removal	751,259	NA	(751,259)	37.96%	(285,178)
	2,450,109	-	(2,450,109)		(930,061)

A Depreciation rate for lines 1-5 exclude cost of removal rate. Provision for cost of removal on PRP assets is reflected on line 6.

Calendar Year 2014
PRP Worksheet

	A		Book Depreciation Reserve			Book Net Book Value	COR Rate	COR Depr
	2014 Investment	Book Depr Year 7	A					
			Beginning	Expense	Ending			
1 Distribution Mains	1,281,613	3.10%	(218,515)	(39,730)	(258,245)	1,023,368	0.01%	\$ (128)
2 Transmission Mains	500	2.33%	(66)	(12)	(78)	422	0.02%	-
3 Services	396,014	2.69%	(58,591)	(10,653)	(69,244)	326,770	0.42%	(1,663)
4 Gathering Lines	-	2.25%	-	-	-	-	0.00%	-
5 Storage Lines	-	2.05%	-	-	-	-	0.00%	-
6 Cost of Removal	165,239	various	(9,851)	(1,791)	(11,642)	153,597	0.00%	-
	1,843,366		(287,023)	(52,186)	(339,209)	1,504,157		\$ (1,791)

	Qualifying Tax		50%				MACRS					Tax Net Book Value		
	Book Investment	Expense Percentage	Tax Expense	Tax Additions	Bonus Depreciation	Depreciable Base	Tax Life	YEAR 7	Tax Depreciation Reserve				Ending	
									Beginning	Expense	Bonus Depr			MACRS Depr
7 Distribution Mains	1,281,613	100.0%	(1,281,613)	-	-	-	15	5.905%	(1,281,613)	-	-	-	(1,281,613)	-
8 Transmission Mains	500	0.0%	-	500	(250)	250	15	5.905%	(360)	-	-	(15)	(375)	125
9 Services	396,014	100.0%	(396,014)	-	-	-	20	4.888%	(396,014)	-	-	-	(396,014)	-
10 Gathering Lines	-	0.0%	-	-	-	-	7	8.925%	-	-	-	-	-	-
11 Storage Lines	-	0.0%	-	-	-	-	15	5.905%	-	-	-	-	-	-
12 Cost of Removal	165,239	NA	-	-	-	-	NA	NA	-	-	-	-	-	NA
	1,843,366		(1,677,627)	500	(250)	250			(1,677,987)	-	-	(15)	(1,678,002)	125

	Net Book Value		Cumulative Timing Difference	Statutory Rate	Deferred Income Taxes
	Book	Tax			
	13 Distribution Mains	1,023,368	-	(1,023,368)	37.96%
14 Transmission Mains	422	125	(297)	37.96%	(113)
15 Services	326,770	-	(326,770)	37.96%	(124,042)
16 Gathering Lines	-	-	-	37.96%	-
17 Storage Lines	-	-	-	37.96%	-
18 Cost of Removal	153,597	NA	(153,597)	37.96%	(58,305)
	1,504,157	125	(1,504,032)		(570,930)

A Depreciation rate for lines 1-5 exclude cost of removal rate. Provision for cost of removal on PRP assets is reflected on line 6.

Calendar Year 2015
PRP Worksheet

	A		Book Depreciation Reserve			Book Net Book Value	COR Rate	COR Depr
	2015 Investment	Book Depr Year 6	Depreciation					
			Beginning	Expense	Ending			
1 Distribution Mains	1,201,977	3.10%	(167,675)	(37,261)	(204,936)	997,041	0.01%	\$ (120)
2 Transmission Mains	87,414	2.33%	(9,166)	(2,037)	(11,203)	76,211	0.02%	(17)
3 Services	137,797	2.69%	(16,681)	(3,707)	(20,388)	117,409	0.42%	(579)
4 Gathering Lines	-	2.25%	-	-	-	-	0.00%	-
5 Storage Lines	-	2.05%	-	-	-	-	0.00%	-
6 Cost of Removal	331,639	various	(3,222)	(716)	(3,938)	327,701	0.00%	-
	1,758,827		(196,744)	(43,721)	(240,465)	1,518,362		\$ (716)

	Qualifying Tax			50% Bonus Depreciation			MACRS YEAR 6	Tax Depreciation Reserve					Tax Net Book Value	
	Book Investment	Expense Percentage	Tax Expense	Tax Additions	50% Bonus Depreciation	Depreciable Base		Tax Life	Beginning	Expense	Bonus Depr	MACRS		
												Depr		Ending
7 Distribution Mains	1,201,977	91.9%	(1,104,617)	97,360	(48,680)	48,680	15	6.233%	(1,171,635)	-	-	(3,034)	(1,174,669)	27,308
8 Transmission Mains	87,414	25.5%	(22,254)	65,160	(32,580)	32,580	15	6.233%	(67,107)	-	-	(2,031)	(69,138)	18,276
9 Services	137,797	100.0%	(137,797)	-	-	-	20	5.285%	(137,797)	-	-	-	(137,797)	-
10 Gathering Lines	-	0.0%	-	-	-	-	7	8.925%	-	-	-	-	-	-
11 Storage Lines	-	0.0%	-	-	-	-	15	6.233%	-	-	-	-	-	-
12 Cost of Removal	331,639	NA	-	-	-	-	NA	NA	-	-	-	-	-	NA
	1,758,827		(1,264,668)	162,520	(81,260)	81,260			(1,376,539)	-	-	(5,065)	(1,381,604)	45,584

	Net Book Value		Cumulative		
	Book	Tax	Timing Difference	Statutory Rate	Deferred Income Taxes
13 Distribution Mains	997,041	27,308	(969,733)	37.96%	(368,111)
14 Transmission Mains	76,211	18,276	(57,935)	37.96%	(21,992)
15 Services	117,409	-	(117,409)	37.96%	(44,568)
16 Gathering Lines	-	-	-	37.96%	-
17 Storage Lines	-	-	-	37.96%	-
18 Cost of Removal	327,701	NA	(327,701)	37.96%	(124,395)
	1,518,362	45,584	(1,472,778)		(559,066)

A Depreciation rate for lines 1-5 exclude cost of removal rate. Provision for cost of removal on PRP assets is reflected on line 6.

Calendar Year 2016
PRP Worksheet

	A		Book Depreciation Reserve			Book Net Book Value	COR Rate	COR Depr
	2016	Book Depr Year	Depreciation					
	Investment	5	Beginning	Expense	Ending			
1 Distribution Mains	2,328,216	3.10%	(252,612)	(72,175)	(324,787)	2,003,429	0.01%	\$ (233)
2 Transmission Mains	219,764	2.33%	(17,923)	(5,121)	(23,044)	196,720	0.02%	(44)
3 Services	249,152	2.69%	(23,457)	(6,702)	(30,159)	218,993	0.42%	(1,046)
4 Gathering Lines	-	2.25%	-	-	-	-	0.00%	-
5 Storage Lines	-	2.05%	-	-	-	-	0.00%	-
6 Cost of Removal	393,216	various	(4,630)	(1,323)	(5,953)	387,263	0.00%	-
	3,190,348		(298,622)	(85,321)	(383,943)	2,806,405		\$ (1,323)

	Book Investment	Qualifying Tax Expense Percentage	Tax Expense	Tax Additions	50% Bonus Depreciation	Depreciable Base	MACRS YEAR	Tax Depreciation Reserve				Tax Net Book Value			
								Tax Life	5	Beginning	Tax Expense		Bonus Depr	MACRS Depr	Ending
7 Distribution Mains	2,328,216	96.9%	(2,256,041)	72,175	(36,088)	36,087	15	6.925%	(2,303,223)	-	-	(2,499)	(2,305,722)	22,494	
8 Transmission Mains	219,764	7.5%	(16,483)	203,281	(101,641)	101,640	15	6.925%	(149,373)	-	-	(7,039)	(156,412)	63,352	
9 Services	249,152	100.0%	(249,152)	-	-	-	20	5.713%	(249,152)	-	-	-	(249,152)	-	
10 Gathering Lines	-	0.0%	-	-	-	-	7	8.925%	-	-	-	-	-	-	
11 Storage Lines	-	0.0%	-	-	-	-	15	6.925%	-	-	-	-	-	-	
12 Cost of Removal	393,216	NA	-	-	-	-	NA	NA	-	-	-	-	-	NA	
	3,190,348		(2,521,676)	275,456	(137,729)	137,727			(2,701,748)	-	-	(9,538)	(2,711,286)	85,846	

	Net Book Value		Cumulative		
	Book	Tax	Timing Difference	Statutory Rate	Deferred Income Taxes
13 Distribution Mains	2,003,429	22,494	(1,980,935)	37.96%	(751,963)
14 Transmission Mains	196,720	63,352	(133,368)	37.96%	(50,626)
15 Services	218,993	-	(218,993)	37.96%	(83,130)
16 Gathering Lines	-	-	-	37.96%	-
17 Storage Lines	-	-	-	37.96%	-
18 Cost of Removal	387,263	NA	(387,263)	37.96%	(147,005)
	2,806,405	85,846	(2,720,559)		(1,032,724)

A Depreciation rate for lines 1-5 exclude cost of removal rate. Provision for cost of removal on PRP assets is reflected on line 6.

Calendar Year 2017
PRP Worksheet

	A		Book Depreciation Reserve			Book Net Book Value	COR Rate	COR Depr
	2017 Investment	Book Depr Year 4	Depreciation					
			Beginning	Expense	Ending			
1 Distribution Mains	1,891,971	3.10%	(146,628)	(58,651)	(205,279)	1,686,692	0.01%	\$ (189)
2 Transmission Mains	90,359	2.33%	(5,263)	(2,105)	(7,368)	82,991	0.02%	(18)
3 Services	185,093	2.69%	(12,448)	(4,979)	(17,427)	167,666	0.42%	(777)
4 Gathering Lines	-	2.25%	-	-	-	-	0.00%	-
5 Storage Lines	-	2.05%	-	-	-	-	0.00%	-
6 Cost of Removal	312,527	various	(2,461)	(984)	(3,445)	309,082	0.00%	-
	2,479,950		(166,800)	(66,719)	(233,519)	2,246,431		\$ (984)

	Book Investment	Qualifying Tax		Tax Expense	Tax Additions	50% Bonus Depreciation	Depreciable Base	MACRS YEAR 4	Tax Depreciation Reserve					Tax Net Book Value				
		Expense Percentage	Expense						Tax Additions	50% Bonus Depreciation	Depreciable Base	Tax Life	7.695%		Tax Depreciation Reserve			Tax Net Book Value
															Beginning	Expense	Bonus Depr	
7 Distribution Mains	1,891,971	98.5%	(1,863,591)	28,380	(14,190)	14,190	15	7.695%	(1,881,052)	-	-	(1,092)	(1,882,144)	9,827				
8 Transmission Mains	90,359	0.0%	-	90,359	(45,180)	45,179	15	7.695%	(55,594)	-	-	(3,477)	(59,071)	31,288				
9 Services	185,093	100.0%	(185,093)	-	-	-	20	6.177%	(185,093)	-	-	-	(185,093)	-				
10 Gathering Lines	-	0.0%	-	-	-	-	7	12.495%	-	-	-	-	-	-				
11 Storage Lines	-	0.0%	-	-	-	-	15	7.695%	-	-	-	-	-	-				
12 Cost of Removal	312,527	NA	-	-	-	-	NA	NA	-	-	-	-	-	NA				
	2,479,950		(2,048,684)	118,739	(59,370)	59,369			(2,121,739)	-	-	(4,569)	(2,126,308)	41,115				

	Net Book Value		Cumulative Timing Difference	B	
	Book	Tax		Statutory Rate	Deferred Income Taxes
13 Distribution Mains	1,686,692	9,827	(1,676,865)	37.96%	(636,538)
14 Transmission Mains	82,991	31,288	(51,703)	37.96%	(19,626)
15 Services	167,666	-	(167,666)	37.96%	(63,646)
16 Gathering Lines	-	-	-	37.96%	-
17 Storage Lines	-	-	-	37.96%	-
18 Cost of Removal	309,082	NA	(309,082)	37.96%	(117,328)
	2,246,431	41,115	(2,205,316)		(837,138)

A Depreciation rate for lines 1-5 exclude cost of removal rate. Provision for cost of removal on PRP assets is reflected on line 6.

B In December, 2017, tax law was enacted to reduce the federal corporate income tax rate to 21%.

Delta remeasured its deferred income taxes using the 21% federal rate as of December 31, 2017, including deferred taxes on PRP assets.

The reduction in deferred taxes is being returned to customers through Case No. 2018-00040.

PRP assets for years subsequent to 2017 have been measured at the reduced tax rate.

Calendar Year 2018
PRP Worksheet

	A		Book Depreciation Reserve			Book Net Book Value	COR Rate	COR Depr
	2018 Investment	Book Depr Year 3	Depreciation					
			Beginning	Expense	Ending			
1 Distribution Mains	2,669,534	3.10%	(124,134)	(82,756)	(206,890)	2,462,644	0.01%	\$ (267)
2 Transmission Mains	611,904	2.33%	(21,386)	(14,257)	(35,643)	576,261	0.02%	(122)
3 Services	166,771	2.69%	(6,729)	(4,486)	(11,215)	155,556	0.42%	(700)
4 Gathering Lines	-	2.25%	-	-	-	-	0.00%	-
5 Storage Lines	-	2.05%	-	-	-	-	0.00%	-
6 Cost of Removal	441,538	various	(1,633)	(1,089)	(2,722)	438,816	0.00%	-
	<u>3,889,747</u>		<u>(153,882)</u>	<u>(102,588)</u>	<u>(256,470)</u>	<u>3,633,277</u>		\$ (1,089)

	Book Investment	Qualifying Tax Expense Percentage	Tax Expense	Tax Additions	0% Bonus Depreciation	Depreciable Base	MACRS YEAR	Tax Depreciation Reserve					Tax Net Book Value		
								Tax Life	3	Beginning	Expense	Bonus Depr		MACRS Depr	Ending
7 Distribution Mains	2,669,534	77.7%	(2,074,228)	595,306	-	595,306	15	8.550%	(2,160,547)	-	-	(50,899)	(2,211,446)	458,088	
8 Transmission Mains	611,904	82.2%	(502,983)	108,921	-	108,921	15	8.550%	(518,776)	-	-	(9,313)	(528,089)	83,815	
9 Services	166,771	100.0%	(166,771)	-	-	-	20	6.677%	(166,771)	-	-	-	(166,771)	-	
10 Gathering Lines	-	0.0%	-	-	-	-	7	17.492%	-	-	-	-	-	-	
11 Storage Lines	-	0.0%	-	-	-	-	15	8.550%	-	-	-	-	-	-	
12 Cost of Removal	441,538	NA	-	-	-	-	NA	NA	-	-	-	-	-	NA	
	<u>3,889,747</u>		<u>(2,743,982)</u>	<u>704,227</u>	<u>-</u>	<u>704,227</u>			<u>(2,846,094)</u>	<u>-</u>	<u>-</u>	<u>(60,212)</u>	<u>(2,906,306)</u>	<u>541,903</u>	

	Net Book Value		Cumulative Timing Difference	B Statutory Rate	Deferred Income Taxes
	Book	Tax			
	13 Distribution Mains	2,462,644	458,088	(2,004,556)	24.95%
14 Transmission Mains	576,261	83,815	(492,446)	24.95%	(122,865)
15 Services	155,556	-	(155,556)	24.95%	(38,811)
16 Gathering Lines	-	-	-	24.95%	-
17 Storage Lines	-	-	-	24.95%	-
18 Cost of Removal	438,816	NA	(438,816)	24.95%	(109,485)
	<u>3,633,277</u>	<u>541,903</u>	<u>(3,091,374)</u>		<u>(771,298)</u>

- A Depreciation rate for lines 1-5 exclude cost of removal rate. Provision for cost of removal on PRP assets is reflected on line 6.
- B In December, 2017, tax law was enacted to reduce the federal corporate income tax rate to 21%. (See effective tax rate calculation below.)
Delta remeasured its deferred income taxes using the 21% federal rate as of December 31, 2017, including deferred taxes on PRP assets.
The reduction in deferred taxes is being returned to customers through Case No. 2018-00040.
PRP assets for years subsequent to 2017 have been measured at the reduced tax rate.

Effective Tax Rate Calculation

Statutory federal income tax rate	21.00%
State income taxes, net of federal benefit	3.95%
Effective income tax rate	<u>24.95%</u>

Calendar Year 2019
PRP Worksheet

	A		Book Depreciation Reserve			Book Net Book Value	COR Rate	COR Depr
	Book Depr		Depreciation					
	2019 Investment	Year 2	Beginning	Expense	Ending			
1 Distribution Mains	5,352,350	3.10%	(82,961)	(165,923)	(248,884)	5,103,466	0.01%	\$ (535)
2 Transmission Mains	197,537	2.33%	(2,301)	(4,603)	(6,904)	190,633	0.02%	(40)
3 Services	274,211	2.69%	(3,688)	(7,376)	(11,064)	263,147	0.42%	(1,152)
4 Gathering Lines	-	2.25%	-	-	-	-	0.00%	-
5 Storage Lines	-	2.05%	-	-	-	-	0.00%	-
6 Cost of Removal	377,580	various	(864)	(1,727)	(2,591)	374,989	0.00%	-
	6,201,678		(89,814)	(179,629)	(269,443)	5,932,235		\$ (1,727)

	Qualifying Tax		Tax Expense	Tax Additions	0% Bonus Depreciation	Depreciable Base	MACRS YEAR 2	Tax Depreciation Reserve				Tax Net Book Value		
	Book Investment	Expense Percentage						MACRS Beginning	Tax Expense	Bonus Depr	MACRS Depr		Ending	
7 Distribution Mains	5,352,350	93.3%	(4,993,743)	358,607	-	358,607	15	9.500%	(5,011,673)	-	-	(34,068)	(5,045,741)	306,609
8 Transmission Mains	197,537	100.0%	(197,537)	-	-	-	15	9.500%	(197,537)	-	-	-	(197,537)	-
9 Services	274,211	100.0%	(274,211)	-	-	-	20	7.219%	(274,211)	-	-	-	(274,211)	-
10 Gathering Lines	-	0.0%	-	-	-	-	7	24.490%	-	-	-	-	-	-
11 Storage Lines	-	0.0%	-	-	-	-	15	9.500%	-	-	-	-	-	-
12 Cost of Removal	377,580	NA	-	-	-	-	NA	NA	-	-	-	-	-	NA
	6,201,678		(5,465,491)	358,607	-	358,607			(5,483,421)	-	-	(34,068)	(5,517,489)	306,609

	Net Book Value		Cumulative		
	Book	Tax	Timing Difference	Statutory Rate	Deferred Income Taxes
13 Distribution Mains	5,103,466	306,609	(4,796,857)	24.95%	(1,196,816)
14 Transmission Mains	190,633	-	(190,633)	24.95%	(47,563)
15 Services	263,147	-	(263,147)	24.95%	(65,655)
16 Gathering Lines	-	-	-	24.95%	-
17 Storage Lines	-	-	-	24.95%	-
18 Cost of Removal	374,989	NA	(374,989)	24.95%	(93,560)
	5,932,235	306,609	(5,625,626)		(1,403,594)

A Depreciation rate for lines 1-5 exclude cost of removal rate. Provision for cost of removal on PRP assets is reflected on line 6.

Calendar Year 2020
PRP Worksheet

	A		Book Depreciation Reserve			Book Net Book Value	COR Rate	COR Depr
	Book Depr		B					
	2020 Investment	Year 1	Beginning	Expense	Ending			
1 Distribution Mains	5,358,074	3.10%	-	(83,050)	(83,050)	5,275,024	0.01%	\$ (268)
2 Transmission Mains	-	2.33%	-	-	-	-	0.02%	-
3 Services	386,910	2.69%	-	(5,204)	(5,204)	381,706	0.42%	(813)
4 Gathering Lines	-	2.25%	-	-	-	-	0.00%	-
5 Storage Lines	-	2.05%	-	-	-	-	0.00%	-
6 Cost of Removal	253,736	various	-	(1,081)	(1,081)	252,655	0.00%	-
	5,998,720		-	(89,335)	(89,335)	5,909,385		\$ (1,081)

	Book Investment	Qualifying Tax		Tax Additions	0% Bonus Depreciation	Depreciable Base	MACRS YEAR 1	Tax Depreciation Reserve				Tax Net Book Value		
		Expense Percentage	Expense					Tax	Tax	Bonus Depr	MACRS Depr		Ending	
7 Distribution Mains	5,358,074	74.5%	(3,989,086)	1,368,988	-	1,368,988	15	5.000%	-	(3,989,086)	-	(68,449)	(4,057,535)	1,300,539
8 Transmission Mains	-	0.0%	-	-	-	-	15	5.000%	-	-	-	-	-	-
9 Services	386,910	100.0%	(386,910)	-	-	-	20	3.750%	-	(386,910)	-	-	(386,910)	-
10 Gathering Lines	-	0.0%	-	-	-	-	7	14.286%	-	-	-	-	-	-
11 Storage Lines	-	0.0%	-	-	-	-	15	5.000%	-	-	-	-	-	-
12 Cost of Removal	253,736	NA	-	-	-	-	NA	NA	-	-	-	-	-	NA
	5,998,720		(4,375,996)	1,368,988	-	1,368,988			-	(4,375,996)	-	(68,449)	(4,444,445)	1,300,539

	Net Book Value		Cumulative		
	Book	Tax	Timing Difference	Statutory Rate	Deferred Income Taxes
13 Distribution Mains	5,275,024	1,300,539	(3,974,485)	24.95%	(991,634)
14 Transmission Mains	-	-	-	24.95%	-
15 Services	381,706	-	(381,706)	24.95%	(95,236)
16 Gathering Lines	-	-	-	24.95%	-
17 Storage Lines	-	-	-	24.95%	-
18 Cost of Removal	252,655	NA	(252,655)	24.95%	(63,037)
	5,909,385	1,300,539	(4,608,846)		(1,149,907)

A Depreciation rate for lines 1-5 exclude cost of removal rate. Provision for cost of removal on PRP assets is reflected on line 6.

B Year 1 for PRP assets assumes a half year of depreciation expense.

DELTA NATURAL GAS
Cost of Removal and Replacement Projects for 2020

Schedule IV

<u>DISTRICT BRANCH</u>	<u>PLANT CLASSIFICATION</u>	<u>SIZE AND PIPE INSTALLED</u>	<u>FOOTAGE</u>	<u>TOTAL COST</u>
Cost of Removal		(A)	-	\$ 253,736
Barbourville	Distribution Mains	2" PLASTIC	(B)	\$ (4,879)
Barbourville	Services	5	(C)	\$ 7,224
				<u>\$ 2,345</u>
Berea	Distribution Mains	2" PLASTIC	3,895	\$ 259,385
Berea	Distribution Mains	4" PLASTIC	6,181	\$ 376,238
Berea	Services	66	(C)	\$ 58,345
			<u>10,076</u>	<u>\$ 693,968</u>
Corbin	Distribution Mains	2" PLASTIC	16,175	\$ 812,916
Corbin	Distribution Mains	4" PLASTIC	18,656	\$ 1,225,531
Corbin	Services	98	(C)	\$ 126,607
			<u>34,831</u>	<u>\$ 2,165,054</u>
London	Distribution Mains	2" PLASTIC	6	\$ 1,851
London	Distribution Mains	4" PLASTIC	162	\$ 10,399
London	Services	7	(C)	\$ 10,072
			<u>168</u>	<u>\$ 22,321</u>
Manchester	Distribution Mains	UNDER 2" PLASTIC	(D)	\$ 131
Manchester	Distribution Mains	2" PLASTIC	1,023	\$ 101,015
Manchester	Distribution Mains	4" PLASTIC	1,673	\$ 148,484
Manchester	Transmission Mains	8" STEEL	880	\$ -
Manchester	Services	7	(C)	\$ 10,331
			<u>3,576</u>	<u>\$ 259,960</u>
Middlesboro	Distribution Mains	UNDER 2" PLASTIC	281	\$ 21,399
Middlesboro	Distribution Mains	2" PLASTIC	10,079	\$ 806,935
Middlesboro	Distribution Mains	4" PLASTIC	(D)	\$ 47,556
Middlesboro	Distribution Mains	6" PLASTIC	(D)	\$ 14,000
Middlesboro	Services	19	(C)	\$ 41,383
			<u>10,360</u>	<u>\$ 931,273</u>
Nicholasville	Distribution Mains	2" PLASTIC	6,646	\$ 516,483
Nicholasville	Services	46	(C)	\$ 67,462
			<u>6,646</u>	<u>\$ 583,945</u>
Owingsville	Distribution Mains	UNDER 2" PLASTIC	82	\$ 1,499
Owingsville	Distribution Mains	2" PLASTIC	5,463	\$ 312,155
Owingsville	Distribution Mains	3" PLASTIC	35	\$ 4,962
Owingsville	Distribution Mains	4" PLASTIC	4,927	\$ 176,430
Owingsville	Services	34	(C)	\$ 29,917
			<u>10,507</u>	<u>\$ 524,963</u>
Stanton	Distribution Mains	2" PLASTIC	8,040	\$ 385,067
Stanton	Services	34	(C)	\$ 26,798
			<u>8,040</u>	<u>\$ 411,865</u>
Williamsburg	Distribution Mains	2" PLASTIC	4,379	\$ 140,066
Williamsburg	Distribution Mains	6" PLASTIC	(D)	\$ 452
Williamsburg	Services	7	(C)	\$ 8,772
			<u>4,379</u>	<u>\$ 149,290</u>
	Total		<u>88,583</u>	<u>\$ 5,998,720</u>

(A) Represents cost of removal incurred. No pipe installed.

(B) Charges relating to footage reported in prior year.

(C) Delta does not track the footage of each individual service line.

(D) These projects are not yet complete. Footages will be reported in next year's filing when projects are closed to plant.

**Delta Natural Gas Company, Inc.
2021 Supplemental Data as Requested by
Case No. 2019-00074, Appendix B**

1. Provide a list of the remaining items to be replaced and an estimate of the associated costs eligible to be recovered through the PRP, inclusive of all types of pipe authorized to be replaced through the PRP. The information should include:
 - a. The amount of pipe remaining to be replaced through the PRP. Pipe should be categorized by material (i.e. bare steel, coated steel, plastic, etc.), age, size, and location.
 - b. The estimated remaining cost per year of the PRP broken down by pipe, services, and any other eligible PRP activities.

Response:

- 1.a. See attached Schedule VI. This schedule does not include inactive services to be removed, active services to be replaced, and mandatory relocations being recovered through the PRP.
 - 1.b. See attached Schedule VII.
2. Using the information provided in Item 1, provide a chart showing by year and customer class, the estimated PRP surcharges for each remaining year of the PRP.

Response:

See attached Schedule VIII.

3. Provide a list showing each project that was replaced under the PRP for the program year. The list should include the size of the pipe, length replaced, length installed, number of services, pipe material, and cost.

Response:

See attached Schedule IV included with the historical data in this filing.

4. Provide the same information as requested in Item 3 above but as an estimate for the next PRP program year.

Response:

See attached Schedule IX.

**Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced**

District Location	Total	Unknown Year	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	
Owingsville																	
1/2" Vintage Plastic	38	38															
3/4" Vintage Plastic	3,251	5													307	663	
1" Bare Steel	168	168															
1" Unprotected Coated Steel	268									42	127	45					
1" Vintage Plastic	4,590	2154															
1 1/4" Vintage Plastic	726	497															
1 1/2" Vintage Plastic	3,211	3211															
2" Bare Steel	231	158															
2" Unprotected Coated Steel	1,144																
2" Vintage Plastic	138,938	21451								794		73			13099	57038	
3" Vintage Plastic	23,935	19961															
4" Bare Steel	210																
4" Unprotected Coated Steel	360																
Owingsville Total	177,070	47,643	-	-	-	-	-	-	-	836	127	118	-	-	13,406	57,701	
Berea																	
3/4" Vintage Plastic	3,306													450	634	680	
1" Unprotected Coated Steel	23	23															
1" Vintage Plastic	3,752													40			
1 1/4" Vintage Plastic	1,140																
2" Vintage Plastic	167,485	932										269		27716	16296	21952	
4" Vintage Plastic	11,608																
Berea Total	187,314	955	-	-	-	-	-	-	-	-	-	269	-	28,206	16,930	22,632	
Nicholasville																	
3/4" Vintage Plastic	967															244	
1" Vintage Plastic	993																
1 1/4" Vintage Plastic	513																
2" Bare Steel	101	101															
2" Vintage Plastic	75,211	6											651	6,984	2,178	3,081	
6" Bare Steel	1,793																
Nicholasville Total	79,578	107	-	-	-	-	-	-	-	-	-	-	651	6,984	2,178	3,325	
Stanton																	
3/4" Vintage Plastic	3,866														867	434	794
1" Unprotected Coated Steel	327	272														55	
1" Vintage Plastic	5,310											90				32	
1 1/4" Vintage Plastic	500																
2" Bare Steel	12	12															
2" Unprotected Coated Steel	1,274	44								238	487	144	145		40	113	
2" Vintage Plastic	149,284											870		10857	29986	29610	
3" Unprotected Coated Steel	222																
3" Vintage Plastic	4,906																
Stanton Total	165,701	328	-	-	-	-	-	-	238	-	487	1,104	145	11,724	30,460	30,604	
London																	
1" Bare Steel	189																
1" Unprotected Coated Steel	191	191															
3" Unprotected Coated Steel	300	300															
4" Unprotected Coated Steel	264	264															
8" Unprotected Coated Steel	4,013	4013															

Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced

District Location	Total	Unknown Year	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
London Total	4,957	4,768	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Williamsburg																
2" Bare Steel	666	666														
2" Unprotected Coated Steel	941	941														
6" Coated Steel (Exposed or Shallow Depth)	14,683	14683														
Williamsburg Total	16,290	15,290	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barbourville																
3/4" Vintage Plastic	160	160														
1" Bare Steel	303	303														
1" Unprotected Coated Steel	34	34														
2" Vintage Plastic	1,754	1754														
Barbourville Total	2,251	2,251	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middlesboro																
3/4" Bare Steel	103	103														
1" Bare Steel	1,420	1003														
1" Unprotected Coated Steel	221	221														
2" Bare Steel	7,502	6405														
2" Unprotected Coated Steel	1,013	1006														
4" Bare Steel	628	628														
4" Unprotected Coated Steel	1,718	1623														
6" Bare Steel	3,414	3300														
6" Coated Steel (Exposed)	4,700	4700														
Middlesboro Total	20,719	18,989	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corbin																
3/4" Vintage Plastic	3,251	2696														
1" Bare Steel	372	181														
1" Vintage Plastic	1,252	1122														
1 1/4" Vintage Plastic	715															
1 1/4" Unprotected Coated Steel	386	386														
2" Bare Steel	1,930	1837														
2" Unprotected Coated Steel	74	74														
2" Vintage Plastic	59,042	42011														
4" Bare Steel	170	170														
4" Unprotected Coated Steel	1,130	948														
4" Vintage Plastic	314															
6" Unprotected Coated Steel	493	493														
8" Unprotected Coated Steel	1,966	1966														
Corbin Total	71,095	51,884	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manchester																
3/4" Vintage Plastic	266	67														
1" Bare Steel	75	75														
1" Vintage Plastic	39	34														
1 1/4" Bare Steel	258	187														
2" Vintage Plastic	5,843	5421														
3" Bare Steel	635	635														
4" Vintage Plastic	770															
Manchester Total	7,886	6,419	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced

District Location	Total	Unknown Year	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
DOT Transmission																
1" Bare Steel	65	65														
3" Bare Steel	214															
Dot Transmission Total	279	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Systems total																
1/2" Vintage Plastic	38	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4" Bare Steel	103	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4" Vintage Plastic	15,067	2928	0	0	0	0	0	0	0	0	0	0	0	1317	1375	2381
1" Bare Steel	2,592	1795	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1" Unprotected Coated Steel	1,064	741	0	0	0	0	0	0	0	42	127	45	0	0	0	55
1" Vintage Plastic	15,936	3310	0	0	0	0	0	0	0	0	0	90	0	40	0	32
1 1/4" Bare Steel	258	187	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 1/4" Unprotected Coated Steel	386	386														
1 1/4" Vintage Plastic	3,594	497	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 1/2" Vintage Plastic	3,211	3211	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2" Bare Steel	10,442	9179	0	0	0	0	0	0	0	0	0	73	0	0	0	0
2" Unprotected Coated Steel	4,446	2065	0	0	0	0	0	0	238	794	487	144	145	0	40	113
2" Vintage Plastic	597,557	71575	0	0	0	0	0	0	0	0	0	1139	651	45557	61559	111681
3" Bare Steel	849	635	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3" Unprotected Coated Steel	522	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3" Vintage Plastic	28,841	19961	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4" Bare Steel	1,008	798	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4" Unprotected Coated Steel	3,472	2835	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4" Vintage Plastic	12,692	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6" Bare Steel	5,207	3300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6" Coated Steel (Exposed or Shallow Depth)	19,383	19383	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6" Unprotected Coated Steel	493	493	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8" Unprotected Coated Steel	5,979	5979	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Systems Total	733,140	149,699	-	-	-	-	-	-	238	836	614	1,491	796	46,914	62,974	114,262
Delta Total System																
Bare Steel	20,459															
Unprotected Coated Steel	16,362															
Coated Steel (Exposed or Shallow Depth)	19,383															
Aldyl-A / Vintage Plastic	676,936															
Total PRP Eligible Footage	733,140															

Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced

District Location	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Owingsville																	
1/2" Vintage Plastic																	
3/4" Vintage Plastic	707	200	168			60	110		52		446	446	87				
1" Bare Steel																	
1" Unprotected Coated Steel			54														
1" Vintage Plastic	76	295	355	139	197	551	48	32		338	317		88				
1 1/4" Vintage Plastic			45		98		86										
1 1/2" Vintage Plastic																	
2" Bare Steel																	
2" Unprotected Coated Steel	53	205							52				40				
2" Vintage Plastic	12126	5318	4514	1087	2511	750	1098	333	3421	750	7535	4082	3825				
3" Vintage Plastic	3974																
4" Bare Steel																	210
4" Unprotected Coated Steel		360															
Owingsville Total	16,936	6,378	5,136	1,226	2,806	1,361	1,342	365	3,525	1,088	8,298	4,568	4,000	210	-	-	-
Berea																	
3/4" Vintage Plastic	331	536	35	48	113				75	69		271	64				
1" Unprotected Coated Steel																	
1" Vintage Plastic	173	141	578	224	306	1385	53	145	128	412		167					
1 1/4" Vintage Plastic		594	44	30	243	103	26		75				25				
2" Vintage Plastic	8304	12281	17603	9503	9815	5960	1745	5331		10386	6530	8072	4790				
4" Vintage Plastic												9283	2325				
Berea Total	8,808	13,552	18,260	9,805	10,477	7,448	1,824	5,476	278	10,867	6,530	17,793	7,204	-	-	-	-
Nicholasville																	
3/4" Vintage Plastic	75		168								480						
1" Vintage Plastic		94	133				65	150	25	270		157	99				
1 1/4" Vintage Plastic							95	252		166							
2" Bare Steel																	
2" Vintage Plastic	3,868	7,298	8,074	12,642	5,356	2,500	446	1,938	1,077	8,798	2,941	3,119	4,238				
6" Bare Steel						1793											
Nicholasville Total	3,943	7,392	8,375	12,642	5,356	4,293	606	2,340	1,102	9,234	3,421	3,276	4,337	-	-	-	-
Stanton																	
3/4" Vintage Plastic	77	20	66	513	210	452	41	29			185	150	28				
1" Unprotected Coated Steel																	
1" Vintage Plastic	1051	272	595	578	311	473	131	136	174	367	831	124	145				
1 1/4" Vintage Plastic				48		350	102										
2" Bare Steel																	
2" Unprotected Coated Steel									63								
2" Vintage Plastic	12996	6251	6101	5413	4191	8640	2212	2107	7741	4638	9580	2887	5204				
3" Unprotected Coated Steel											60						
3" Vintage Plastic								2166			2740						
Stanton Total	14,124	6,543	6,762	6,552	4,712	9,915	2,486	4,438	7,978	5,005	13,396	3,161	5,377	-	-	-	-
London																	
1" Bare Steel																	
1" Unprotected Coated Steel																	
3" Unprotected Coated Steel																	
4" Unprotected Coated Steel																	
8" Unprotected Coated Steel																	

Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced

District Location	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
London Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Williamsburg																	
2" Bare Steel																	
2" Unprotected Coated Steel																	
6" Coated Steel (Exposed or Shallow Depth)																	
Williamsburg Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barbourville																	
3/4" Vintage Plastic																	
1" Bare Steel																	
1" Unprotected Coated Steel																	
2" Vintage Plastic																	
Barbourville Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middlesboro																	
3/4" Bare Steel																	
1" Bare Steel																	
1" Unprotected Coated Steel																	
2" Bare Steel											254	35		206	602		
2" Unprotected Coated Steel																	
4" Bare Steel																	
4" Unprotected Coated Steel																	
6" Bare Steel																	
6" Coated Steel (Exposed)																	
Middlesboro Total	-	-	-	-	-	-	-	-	-	-	254	35	-	206	602	-	-
Corbin																	
3/4" Vintage Plastic				130									348				
1" Bare Steel															60		
1" Vintage Plastic													130				
1 1/4" Vintage Plastic													715				
1 1/4" Unprotected Coated Steel																	
2" Bare Steel																93	
2" Unprotected Coated Steel																	
2" Vintage Plastic				814									13794				
4" Bare Steel																	
4" Unprotected Coated Steel																	
4" Vintage Plastic													314				
6" Unprotected Coated Steel																	
8" Unprotected Coated Steel																	
Corbin Total	-	-	-	944	-	-	-	-	-	-	-	-	15,301	-	153	-	-
Manchester																	
3/4" Vintage Plastic													199				
1" Bare Steel																	
1" Vintage Plastic																	
1 1/4" Bare Steel																	
2" Vintage Plastic													150				
3" Bare Steel																	
4" Vintage Plastic													770				
Manchester Total	-	-	-	-	-	-	-	-	-	-	-	-	1,119	-	-	-	-

Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced

District Location	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
DOT Transmission																	
1" Bare Steel																	
3" Bare Steel																	
Dot Transmission Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Systems total																	
1/2" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4" Vintage Plastic	1190	756	437	691	323	512	151	29	127	69	1111	867	726	0	0	0	0
1" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0
1" Unprotected Coated Steel	0	0	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1" Vintage Plastic	1300	802	1661	941	814	2409	297	463	327	1387	1148	448	462	0	0	0	0
1 1/4" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 1/4" Unprotected Coated Steel																	
1 1/4" Vintage Plastic	0	594	89	78	341	453	309	252	75	166	0	0	740	0	0	0	0
1 1/2" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2" Bare Steel	0	0	0	0	0	0	0	0	0	0	254	35	0	206	695	0	0
2" Unprotected Coated Steel	53	205	0	0	0	0	0	0	115	0	0	40	0	0	0	0	0
2" Vintage Plastic	37294	31148	36292	29459	21873	17850	5501	9709	12239	24572	26586	18160	32001	0	0	0	0
3" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0
3" Vintage Plastic	3974	0	0	0	0	0	0	2166	0	0	2740	0	0	0	0	0	0
4" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	210	0	0	0
4" Unprotected Coated Steel	0	360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	9283	3409	0	0	0	0
6" Bare Steel	0	0	0	0	0	1793	0	0	0	0	0	0	0	0	0	0	0
6" Coated Steel (Exposed or Shallow Depth)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Systems Total	43,811	33,865	38,533	31,169	23,351	23,017	6,258	12,619	12,883	26,194	31,899	28,833	37,338	416	755	-	-
Delta Total System																	
Bare Steel																	
Unprotected Coated Steel																	
Coated Steel (Exposed or Shallow Depth)																	
Aldyl-A / Vintage Plastic																	
Total PRP Eligible Footage																	

**Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced**

District Location	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Owingsville																	
1/2" Vintage Plastic																	
3/4" Vintage Plastic																	
1" Bare Steel																	
1" Unprotected Coated Steel																	
1" Vintage Plastic																	
1 1/4" Vintage Plastic																	
1 1/2" Vintage Plastic																	
2" Bare Steel																	
2" Unprotected Coated Steel																	
2" Vintage Plastic																	
3" Vintage Plastic																	
4" Bare Steel																	
4" Unprotected Coated Steel																	
Owingsville Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berea																	
3/4" Vintage Plastic																	
1" Unprotected Coated Steel																	
1" Vintage Plastic																	
1 1/4" Vintage Plastic																	
2" Vintage Plastic																	
4" Vintage Plastic																	
Berea Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nicholasville																	
3/4" Vintage Plastic																	
1" Vintage Plastic																	
1 1/4" Vintage Plastic																	
2" Bare Steel																	
2" Vintage Plastic																	
6" Bare Steel																	
Nicholasville Total	-	-	-	-		16	-	-	-	-	-	-	-	-	-	-	-
Stanton																	
3/4" Vintage Plastic																	
1" Unprotected Coated Steel																	
1" Vintage Plastic																	
1 1/4" Vintage Plastic																	
2" Bare Steel																	
2" Unprotected Coated Steel																	
2" Vintage Plastic																	
3" Unprotected Coated Steel																	
3" Vintage Plastic																	
Stanton Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
London																	
1" Bare Steel																	
1" Unprotected Coated Steel																	
3" Unprotected Coated Steel																	
4" Unprotected Coated Steel																	
8" Unprotected Coated Steel																	
London Total		189															

Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced

District Location	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
London Total	-	189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Williamsburg																	
2" Bare Steel																	
2" Unprotected Coated Steel																	
6" Coated Steel (Exposed or Shallow Depth)																	
Williamsburg Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barbourville																	
3/4" Vintage Plastic																	
1" Bare Steel																	
1" Unprotected Coated Steel																	
2" Vintage Plastic																	
Barbourville Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middlesboro																	
3/4" Bare Steel																	
1" Bare Steel	72	118		111		16			55		45						
1" Unprotected Coated Steel																	
2" Bare Steel																	
2" Unprotected Coated Steel								7									
4" Bare Steel																	
4" Unprotected Coated Steel					95												
6" Bare Steel																	
6" Coated Steel (Exposed)																	
Middlesboro Total	72	118	-	111	95	16	-	7	55	-	45	-	-	-	-	-	-
Corbin																	
3/4" Vintage Plastic					49	28											
1" Bare Steel		101															
1" Vintage Plastic																	
1 1/4" Vintage Plastic																	
1 1/4" Unprotected Coated Steel																	
2" Bare Steel																	
2" Unprotected Coated Steel																	
2" Vintage Plastic	71				2127				225								
4" Bare Steel																	
4" Unprotected Coated Steel			182														
4" Vintage Plastic																	
6" Unprotected Coated Steel																	
8" Unprotected Coated Steel																	
Corbin Total	71	101	182	-	2,176	28	-	-	225	-	-	-	-	-	-	-	-
Manchester																	
3/4" Vintage Plastic																	
1" Bare Steel																	
1" Vintage Plastic									5								
1 1/4" Bare Steel																	
2" Vintage Plastic		170		44		58											
3" Bare Steel																	
4" Vintage Plastic																	
Manchester Total	-	170	-	44	-	58	-	-	5	-	-	-	-	-	-	-	-

Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced

District Location	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
DOT Transmission																	
1" Bare Steel																	
3" Bare Steel																	
Dot Transmission Total	-	-	-	-	-	-	-	-	-	-	214	-	-	-	-	-	-
Systems total																	
1/2" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4" Vintage Plastic	0	0	0	0	49	28	0	0	0	0	0	0	0	0	0	0	0
1" Bare Steel	72	408	0	111	0	16	0	0	55	0	45	0	0	0	0	0	0
1" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1" Vintage Plastic	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
1 1/4" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 1/4" Unprotected Coated Steel																	
1 1/4" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 1/2" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2" Unprotected Coated Steel	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0
2" Vintage Plastic	71	170	0	44	2143	58	0	0	225	0	0	0	0	0	0	0	0
3" Bare Steel	0	0	0	0	0	0	0	0	0	0	214	0	0	0	0	0	0
3" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4" Unprotected Coated Steel	0	0	182	0	95	0	0	0	0	0	0	0	0	0	0	0	0
4" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6" Coated Steel (Exposed or Shallow Depth)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Systems Total	143	578	182	155	2,287	102	-	7	285	-	259	-	-	-	-	-	-
Delta Total System																	
Bare Steel																	
Unprotected Coated Steel																	
Coated Steel (Exposed or Shallow Depth)																	
Aldyl-A / Vintage Plastic																	
Total PRP Eligible Footage																	

Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced

District Location	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Owingsville																	
1/2" Vintage Plastic																	
3/4" Vintage Plastic																	
1" Bare Steel																	
1" Unprotected Coated Steel																	
1" Vintage Plastic																	
1 1/4" Vintage Plastic																	
1 1/2" Vintage Plastic																	
2" Bare Steel																	
2" Unprotected Coated Steel																	
2" Vintage Plastic																	
3" Vintage Plastic																	
4" Bare Steel																	
4" Unprotected Coated Steel																	
Owingsville Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berea																	
3/4" Vintage Plastic																	
1" Unprotected Coated Steel																	
1" Vintage Plastic																	
1 1/4" Vintage Plastic																	
2" Vintage Plastic																	
4" Vintage Plastic																	
Berea Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nicholasville																	
3/4" Vintage Plastic																	
1" Vintage Plastic																	
1 1/4" Vintage Plastic																	
2" Bare Steel																	
2" Vintage Plastic																	
6" Bare Steel																	
Nicholasville Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stanton																	
3/4" Vintage Plastic																	
1" Unprotected Coated Steel																	
1" Vintage Plastic																	
1 1/4" Vintage Plastic																	
2" Bare Steel																	
2" Unprotected Coated Steel																	
2" Vintage Plastic																	
3" Unprotected Coated Steel																	
3" Vintage Plastic																	
Stanton Total	162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
London																	
1" Bare Steel																	
1" Unprotected Coated Steel																	
3" Unprotected Coated Steel																	
4" Unprotected Coated Steel																	
8" Unprotected Coated Steel																	

Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced

District Location	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
London Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Williamsburg																	
2" Bare Steel																	
2" Unprotected Coated Steel																	
6" Coated Steel (Exposed or Shallow Depth)																	
Williamsburg Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barbourville																	
3/4" Vintage Plastic																	
1" Bare Steel																	
1" Unprotected Coated Steel																	
2" Vintage Plastic																	
Barbourville Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middlesboro																	
3/4" Bare Steel																	
1" Bare Steel																	
1" Unprotected Coated Steel																	
2" Bare Steel																	
2" Unprotected Coated Steel																	
4" Bare Steel																	
4" Unprotected Coated Steel																	
6" Bare Steel																	114
6" Coated Steel (Exposed)																	
Middlesboro Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114
Corbin																	
3/4" Vintage Plastic																	
1" Bare Steel																	30
1" Vintage Plastic																	
1 1/4" Vintage Plastic																	
1 1/4" Unprotected Coated Steel																	
2" Bare Steel																	
2" Unprotected Coated Steel																	
2" Vintage Plastic																	
4" Bare Steel																	
4" Unprotected Coated Steel																	
4" Vintage Plastic																	
6" Unprotected Coated Steel																	
8" Unprotected Coated Steel																	
Corbin Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
Manchester																	
3/4" Vintage Plastic																	
1" Bare Steel																	
1" Vintage Plastic																	
1 1/4" Bare Steel																	71
2" Vintage Plastic																	
3" Bare Steel																	
4" Vintage Plastic																	
Manchester Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71

Delta Natural Gas Company, Inc.
Pipe Remaining to be Replaced

District Location	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
DOT Transmission																	
1" Bare Steel																	
3" Bare Steel																	
Dot Transmission Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Systems total																	
1/2" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1" Bare Steel	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0
1" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 1/4" Bare Steel	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 1/4" Unprotected Coated Steel																	
1 1/4" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 1/2" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3" Unprotected Coated Steel	162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4" Bare Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4" Vintage Plastic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6" Bare Steel	0	0	0	0	0	114	0	0	0	0	0	0	0	0	0	0	0
6" Coated Steel (Exposed or Shallow Depth)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8" Unprotected Coated Steel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Systems Total	162	71	-	-	-	114	-	-	-	-	30	-	-	-	-	-	-
Delta Total System																	
Bare Steel																	
Unprotected Coated Steel																	
Coated Steel (Exposed or Shallow Depth)																	
Aldyl-A / Vintage Plastic																	
Total PRP Eligible Footage																	

	Estimate Range		
	Low	High	
Main replacements & retirements (unprotected & Aldyl A)	\$ 3,301,000	\$ 7,723,000	{1}
Main & service relocations	446,000	1,527,000	{2}
Service line removals	24,000	243,000	{3}
Service line replacements	228,000	623,000	{4}
	<u>3,999,000</u>	<u>10,116,000</u>	

- {1} The average cost per foot, net of relocations, has been \$56.72, but has been as high \$95.38 per foot. Delta used these prices in estimating the high and low estimates, escalated annually for inflation.
- {2} Performed as needed. Mandatory relocations have averaged \$446,000 per year with a range of \$32,000 - \$1,527,000 per year.
- {3} Delta has spent an average of \$243,000 per year over the last five years removing services that have been inactive for five years or longer. There are 2,300 inactive services remaining in Delta's system.
- {4} Delta has approximately 9,015 bare steel and Aldyl-A services and will need to average approximately 700 per year over the remaining life of the PRP to replace the remaining services. The average cost to replace a service has been \$877. Delta estimates an average cost of \$228,000-623,000 per year.

Delta Natural Gas Company, Inc.
 Estimated Future PRP Surcharges

Schedule VIII

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
PRP Adjustment		4,872,493	5,695,714	6,495,415	7,271,769	8,024,643	8,754,154	9,460,160	10,142,661	10,801,785	11,437,619	12,050,041	12,640,060	13,207,135	
Class Allocation															
Residential	54.3%	2,646,863	3,094,058	3,528,476	3,950,211	4,359,192	4,755,481	5,139,001	5,509,753	5,867,806	6,213,208	6,545,891	6,866,405	7,174,454	
Small Non-Residential	14.6%	711,588	831,813	948,602	1,061,982	1,171,934	1,278,473	1,381,579	1,481,253	1,577,512	1,670,371	1,759,810	1,845,978	1,928,794	
Large Non-Residential	25.6%	1,249,445	1,460,543	1,665,609	1,864,688	2,057,746	2,244,813	2,425,853	2,600,866	2,769,884	2,932,930	3,089,972	3,241,270	3,386,684	
Interruptible	5.4%	264,597	309,301	352,728	394,887	435,772	475,387	513,726	550,789	586,582	621,110	654,367	686,408	717,202	
Number of Customers															
Residential	365,361	365,361	365,361	365,361	365,361	365,361	365,361	365,361	365,361	365,361	365,361	365,361	365,361	365,361	
Small Non-Residential	51,464	51,464	51,464	51,464	51,464	51,464	51,464	51,464	51,464	51,464	51,464	51,464	51,464	51,464	
Large Non-Residential	12,123	12,123	12,123	12,123	12,123	12,123	12,123	12,123	12,123	12,123	12,123	12,123	12,123	12,123	
Interruptible	334	334	334	334	334	334	334	334	334	334	334	334	334	334	
Monthly PRP Rate															
	Currently Effective	Proposed													
Residential	\$ 5.10	\$ 5.88	\$ 7.24	\$ 8.47	\$ 9.66	\$ 10.81	\$ 11.93	\$ 13.02	\$ 14.07	\$ 15.08	\$ 16.06	\$ 17.01	\$ 17.92	\$ 18.79	\$ 19.64
Small Non-Residential	9.77	11.23	13.83	16.16	18.43	20.64	22.77	24.84	26.85	28.78	30.65	32.46	34.19	35.87	37.48
Large Non-Residential	71.52	83.70	103.06	120.48	137.39	153.81	169.74	185.17	200.10	214.54	228.48	241.93	254.89	267.37	279.36
Interruptible	549.64	643.34	792.21	926.05	1,056.07	1,182.30	1,304.71	1,423.31	1,538.10	1,649.07	1,756.23	1,859.61	1,959.18	2,055.11	2,147.31

<u>DISTRICT</u>	<u>PIPE SIZE AND TYPE TO BE REPLACED</u>	<u>ESTIMATED FOOTAGE</u>	<u>ESTIMATE RANGE</u>		
			<u>Low</u>	<u>High</u>	
Berea	2" Aldyl-A	38,419	\$ 2,179,126	\$ 3,664,404	
Berea	1-1/4" Aldyl-A	781	\$ 44,298	\$ 74,492	
Berea	1" Aldyl-A	681	\$ 38,626	\$ 64,954	
Berea	3/4" Aldyl-A	1,578	\$ 89,504	\$ 150,510	
		<u>41,459</u>	<u>2,351,554</u>	<u>3,954,359</u>	
Nicholasville	2" Aldyl-A	26,167	\$ 1,484,192	\$ 2,495,808	
Nicholasville	3/4" Aldyl-A	158	\$ 8,962	\$ 15,070	
		<u>26,325</u>	<u>\$ 1,493,154</u>	<u>\$ 2,510,879</u>	
Stanton	4" Coated Steel	1,326	\$ 75,211	\$ 126,474	{2}
Stanton	1" Coated Steel	29	\$ 1,645	\$ 2,766	{2}
Stanton	2" Plastic	4,381	\$ 248,490	\$ 417,860	{2}
Stanton	3/4" Plastic	1,349	\$ 76,515	\$ 128,668	{2}
		<u>7,085</u>	<u>\$ 401,861</u>	<u>\$ 675,767</u>	
Corbin	2" Aldyl-A	15,885	\$ 900,997	\$ 1,515,111	
Corbin	1-1/4" Aldyl-A	137	\$ 7,771	\$ 13,067	
Corbin	1" Aldyl-A	453	\$ 25,694	\$ 43,207	
Corbin	1" Unprotected Coated	343	\$ 19,455	\$ 32,715	
Corbin	3/4" Aldyl-A	1,690	\$ 95,857	\$ 161,192	
		<u>18,508</u>	<u>\$ 1,049,774</u>	<u>\$ 1,765,293</u>	
Total 2021 PRP Estimate		<u>93,377</u>	<u>\$ 5,296,343</u>	<u>\$ 8,906,298</u>	

{1} To calculate the estimate range, Delta utilized the average and highest cost per foot experienced under the PRP, net of relocations, of \$56.72 and 95.38.

{2} This pipe is only being replaced due to a KYTC Roadway Project

CLASSIFICATION OF SERVICE – RATE SCHEDULES
 RESIDENTIAL

APPLICABILITY

Applicable within all areas served by Delta. See Tariff Sheet No. 17.

AVAILABILITY

Available for use by residential customers.

CHARACTER OF SERVICE

Firm - within the reasonable limits of the Company's capability to provide such service.

RATES

	<u>Base Rate</u>	+	<u>Gas Cost Recovery Rate (GCR) **</u>	=	<u>Total Rate</u>
Customer Charge *	\$ 21.00000				\$ 21.00000
All Mcf ***	\$ 4.31850		\$ 3.60990		\$ 7.92840 / per 1.0 Mcf

* The customer charge includes \$0.30 collected under Delta's Energy Assistance Program Tariff Rider as set forth on Sheet No. 38 of this tariff.

** The "Gas Cost Recovery Rate (GCR)" as shown above, is an adjustment per Mcf determined in accordance with the "Gas Cost Adjustment Clause" as set forth on Sheets No. 13 and 14 of this tariff.

*** Residential rates are subject to the "Conservation/Efficiency Program Cost Recovery Component (CEPRC)" of .09180/Mcf. The CEPRC is an adjustment determined in accordance with the Conservation/Efficiency Program Cost Recovery as set forth on Sheets 39 – 42 of this tariff.

Residential rates are subject to a Pipe Replacement Program charge of \$5.88, as determined in accordance with the Pipe Replacement Program Rider as set forth on Sheet 43 of this tariff. (1)

Residential rates are also subject to a Tax Cuts and Jobs Act Surcredit. Pursuant to the December 21, 2018 Order in Case No. 2018-00040, the surcredit is (\$3.83), subject to future change.

DATE OF ISSUE: February 26, 2021

DATE EFFECTIVE: May 1, 2021

ISSUED BY: John B. Brown, President



Issued by Authority of an Order of the Public Service Commission of KY in
 Case No. 2021-00098 dated _____

CLASSIFICATION OF SERVICE – RATE SCHEDULES
 SMALL NON-RESIDENTIAL*

APPLICABILITY

Applicable within all areas served by Delta. See Tariff Sheet No. 17.

AVAILABILITY

Available for use by small non-residential customers.

CHARACTER OF SERVICE

Firm - within the reasonable limits of the Company's capability to provide such service.

RATES

	Base Rate	+	Gas Cost Recovery Rate (GCR) **	=	Total Rate
Customer Charge*	\$ 31.20000				\$ 31.20000
All Mcf***	\$ 4.31850		\$ 3.60990		\$ 7.92840 / per 1.0 Mcf

TERMS AND CONDITIONS

For a customer that is utilizing transportation service and has under deliveries of transportation gas to Delta's system, and/or requests to revert to the Small Non-Residential or Interruptible Service rate schedule, Delta may require a written contract providing for a continuance of service under the Small Non-Residential or Interruptible Service rate schedule for a minimum term of twelve months beginning with the date service reverts to the Small Non-Residential or Interruptible Service rate schedule.

* Meter no larger than AL425

** The "Gas Cost Recovery Rate (GCR)" as shown above, is an adjustment per Mcf determined in accordance with the "Gas Cost Adjustment Clause" as set forth on Sheets No. 13 and 14 of this tariff.

Small Non-Residential rates are subject to a Pipe Replacement Program charge of \$11.23 as determined in accordance with the Pipe Replacement Program Rider as set forth on Sheet 43 of this tariff. (l)

Small Non-Residential rates are also subject to a Tax Cuts and Jobs Act Surcredit. Pursuant to the December 21, 2018 Order in Case No. 2018-00040, the surcredit is (\$7.29), subject to future change.

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ISSUED BY: John B. Brown, President



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 Case No. 2021-00098 dated _____

**CLASSIFICATION OF SERVICE – RATE SCHEDULES
 LARGE NON-RESIDENTIAL***

APPLICABILITY

Applicable within all areas served by Delta. See Tariff Sheet No. 17.

AVAILABILITY

Available for use by large non-residential customers.

CHARACTER OF SERVICE

Firm - within the reasonable limits of the Company's capability to provide such service.

RATES

	<u>Base Rate</u>	+	Gas Cost Recovery Rate (GCR) **	=	<u>Total Rate</u>
Customer Charge	\$ 131.00000				\$ 131.00000
1 - 200 Mcf	\$ 4.31850		\$ 3.60990		\$ 7.92840 / per 1.0 Mcf
201 - 1,000 Mcf	\$ 2.66960		\$ 3.60990		\$ 6.27950 / per 1.0 Mcf
1,001 - 5,000 Mcf	\$ 1.87350		\$ 3.60990		\$ 5.48340 / per 1.0 Mcf
5,001 - 10,000 Mcf	\$ 1.47350		\$ 3.60990		\$ 5.08340 / per 1.0 Mcf
Over 10,000 Mcf	\$ 1.27350		\$ 3.60990		\$ 4.88340 / per 1.0 Mcf

TERMS AND CONDITIONS

For a customer that is utilizing transportation service and has under deliveries of transportation gas to Delta's system, and/or requests to revert to the Large Non-Residential or Interruptible Service rate schedule, Delta may require a written contract providing for a continuance of service under the Large Non-Residential or Interruptible Service rate schedule for a minimum term of twelve months beginning with the date service reverts to the Large Non-Residential or Interruptible Service rate schedule.

* Meter larger than AL425

** The "Gas Cost Recovery Rate (GCR)" as shown above, is an adjustment per Mcf determined in accordance with the "Gas Cost Adjustment Clause" as set forth on Sheets No. 13 and 14 of this tariff.

Large Non-Residential rates are subject to a Pipe Replacement Program charge of \$83.70, as determined in accordance with the Pipe Replacement Program Rider as set forth on Sheet 43 of this tariff. (I)

Large Non-Residential rates are also subject to a Tax Cuts and Jobs Act Surcredit. Pursuant to the December 21, 2018 Order in Case No. 2018-00040, the surcredit is (\$54.58), subject to future change.

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ISSUED BY: John B. Brown, President



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**CLASSIFICATION OF SERVICE – RATE SCHEDULES
 INTERRUPTIBLE SERVICE**

APPLICABILITY

Applicable within all areas served by Delta. See Tariff Sheet No. 17.

AVAILABILITY

Available for use by interruptible customers.

CHARACTER OF SERVICE

Interruptible - within the reasonable limits of the Company's capability to provide such service.

RATES

	Base Rate	+	Gas Cost Recovery Rate (GCR) **	=	Total Rate
Customer Charge	\$ 250.00000				\$ 250.00000
1 - 1,000 Mcf	\$ 1.60000		\$ 3.60990		\$ 5.20990 / per 1.0 Mcf
1,001 - 5,000 Mcf	\$ 1.20000		\$ 3.60990		\$ 4.80990 / per 1.0 Mcf
5,001 - 10,000 Mcf	\$ 0.80000		\$ 3.60990		\$ 4.40990 / per 1.0 Mcf
Over 10,000 Mcf	\$ 0.60000		\$ 3.60990		\$ 4.20990 / per 1.0 Mcf

Special Conditions - All customers having a connected load in excess of 2,500,000 Btu input per hour may be required to enter into an Interruptible Sales Agreement. Determinations of those customers so required shall be based on peak day use as well as annual volume and shall be at the sole discretion of the Company. In order to provide a fair opportunity to compete with other motor fuels, the customer charge and Pipe Replacement Program charge may be waived by Delta at its sole discretion for compressed natural gas fueling station customers.

Any customer required to enter into an Interruptible Agreement shall be permitted to purchase or transport gas under the Interruptible Rate Schedule as set forth on Sheet No. 5. Gas requirements, minimum charges and other specific information shall be set forth in the Agreement.

Interruptible rates are also subject to a Pipe Replacement Program charge of \$643.34, as determined in accordance with the Pipe Replacement Program Rider as set forth on Sheet 43 of this tariff. (i)

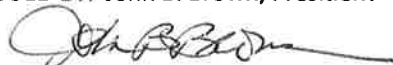
** The "Gas Cost Recovery Rate (GCR)" as shown above, is an adjustment per Mcf determined in accordance with the "Gas Cost Adjustment Clause" as set forth on Sheets No. 13 and 14 of this tariff.

Interruptible rates are also subject to a Tax Cuts and Jobs Act Surcredit. Pursuant to the December 21, 2018 Order in Case No. 2018-00040, the surcredit is (\$370.49), subject to future change.

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