

Rate Case 2015
Financial Feasibility - 55/30 year Horizon
Parameters and Results

Line No.	<u>Col. 1</u> Description	<u>Col. 2</u>	<u>Col. 3</u> Year 0	<u>Col. 4</u> Year 1	<u>Col. 5</u> Year 2	<u>Col. 6</u> Year 3	<u>Col. 7</u> Year 4	<u>Col. 8</u> Year 5-55
FEASIBILITY PARAMETERS								
1.	Discount Rate	6.41%						
2.	CCA Rate	6.00%						
3.	Tax Rate	26.90%						
4.	Municipal Tax rate	0.75%						
5.	Capital Tax Rate	0.00%						
6.	Customer Revenue Horizon							
7.	Residential (Years)	55						
8.	Commercial (Years)	30						
9.	Customer Additions							
10.	Residential			756	0	0	0	0
11.	Commercial			60	0	0	0	0
12.	Total Annual Volumes							
13.	Residential (m ³)			616,720	1,233,439	1,233,439	1,233,439	1,233,439
14.	Commercial (m ³)			322,816	645,631	645,631	645,631	645,631
15.	Capital Costs							
16.	Mains (Dollars)		2,002,999	0	0	0	0	0
17.	Services (Dollars)		1,408,019	0	0	0	0	0
18.	Meters (Dollars)		134,370	0	0	0	0	0
19.	Stations (Dollars)		83,334	0	0	0	0	0
20.	Annual Revenues (Dollars)			432,587	865,173	865,173	865,173	865,173
21.	Annual O&M (Dollars)			41,921	83,843	83,843	83,843	83,843
FEASIBILITY RESULTS								
22.	Net Present Value (Dollars)	546,507						
23.	Profitability Index	1.150						
24.	IRR	7.57%						
25.	Levelized Rate Impact (55 years)	-0.075%						
26.	Cross-Over Year	Year 9						

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DCF Analysis

	<u>Col. 1</u>	<u>Col. 2</u>	<u>Col. 3</u>	<u>Col. 4</u>	<u>Col. 5</u>	<u>Col. 6</u>	<u>Col. 7</u>	<u>Col. 8</u>	<u>Col. 9</u>	<u>Col. 10</u>	<u>Col. 11</u>	<u>Col. 12</u>
Line No.	Description	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
	Discount factors to project outset	0.00	0.50	1.50	2.50	3.50	4.50	5.50	6.50	7.50	8.50	9.50
<u>INCREMENTAL CAPITAL INVESTMENT</u>												
1.	Investment In Mains	2,002,999	-	-	-	-	-	-	-	-	-	-
2.	Investment in Services	1,408,019	-	-	-	-	-	-	-	-	-	-
3.	Investment in Stations	83,334	-	-	-	-	-	-	-	-	-	-
4.	Investment in Meters	134,370	-	-	-	-	-	-	-	-	-	-
5.	Contribution In Aid Of Construction	-	-	-	-	-	-	-	-	-	-	-
6.	Net Investment Capital	3,628,722	-	-	-	-	-	-	-	-	-	-
7.	Working Capital	12,699	-	-	-	-	-	-	-	-	-	-
8.	Total Investments	3,641,421	-	-	-	-	-	-	-	-	-	-
9.	PV Of Net Investment At Project Outset	(3,628,722)	(12,310)	-	-	-	-	-	-	-	-	-
10.	ACCUMULATED PV OF TOTAL INVESTMENT	(3,628,722)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)
<u>CCA TAX SHIELD</u>												
11.	CCA Tax Shield		29,284	56,811	53,402	50,198	47,186	44,355	41,693	39,192	36,840	34,630
12.	PV Of CCA Tax Shield At Project Outset		28,389	51,759	45,725	40,394	35,685	31,525	27,849	24,603	21,734	19,200
13.	ACCUMULATED PV OF CCA TAX SHIELD		28,389	80,148	125,873	166,267	201,951	233,476	261,325	285,928	307,662	326,863
<u>INCREMENTAL OPERATING CASHFLOWS (BEFORE TAXES)</u>												
14.	Gas Distribution Revenue		432,587	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173
15.	Gas Costs		(207,779)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)
16.	O&M		(41,921)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)
17.	Net Operating Cash (Before Taxes)		182,886	365,772	365,772	365,772	365,772	365,772	365,772	365,772	365,772	365,772
18.	PV of Net Operating Cash (Before Taxes) At Project Outset		177,296	333,248	313,188	294,336	276,618	259,968	244,319	229,612	215,791	202,801
19.	ACCUMULATED PV OF NET OPERATING CASH (BEFORE TAXES)		177,296	510,544	823,732	1,118,068	1,394,687	1,654,654	1,898,973	2,128,585	2,344,376	2,547,177
<u>TAXES</u>												
20.	Income Tax (Before Interest Tax Shield)		(41,879)	(91,192)	(91,419)	(91,647)	(91,875)	(92,103)	(92,331)	(92,558)	(92,786)	(93,014)
21.	Municipal Tax		(27,201)	(26,770)	(25,923)	(25,076)	(24,229)	(23,382)	(22,535)	(21,688)	(20,842)	(19,995)
22.	Capital Tax		-	-	-	-	-	-	-	-	-	-
23.	Federal Tax		-	-	-	-	-	-	-	-	-	-
24.	Total Taxes		(69,080)	(117,962)	(117,342)	(116,723)	(116,104)	(115,485)	(114,866)	(114,247)	(113,628)	(113,009)
25.	PV of Total Taxes At Project Outset		(66,969)	(107,473)	(100,473)	(93,927)	(87,805)	(82,080)	(76,725)	(71,718)	(67,036)	(62,657)
26.	ACCUMULATED PV OF TOTAL TAXES		(66,969)	(174,441)	(274,914)	(368,841)	(456,646)	(538,726)	(615,451)	(687,169)	(754,205)	(816,863)
<u>ACCUMULATED NPV AND PI</u>												
27.	Net Present Value		(3,490,006)	(3,224,782)	(2,966,342)	(2,725,539)	(2,501,041)	(2,291,628)	(2,096,185)	(1,913,689)	(1,743,199)	(1,583,855)
28.	Profitability Index		0.038	0.114	0.185	0.251	0.313	0.371	0.424	0.474	0.521	0.565

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	<u>Col. 1</u>	<u>Col. 13</u>	<u>Col. 14</u>	<u>Col. 15</u>	<u>Col. 16</u>	<u>Col. 17</u>	<u>Col. 18</u>	<u>Col. 19</u>	<u>Col. 20</u>	<u>Col. 21</u>	<u>Col. 22</u>	<u>Col. 23</u>
Line No.	Description	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	Year 21
	Discount factors to project outset	10.50	11.50	12.50	13.50	14.50	15.50	16.50	17.50	18.50	19.50	20.50
<u>INCREMENTAL CAPITAL INVESTMENT</u>												
1.	Investment In Mains	-	-	-	-	-	-	-	-	-	-	-
2.	Investment in Services	-	-	-	-	-	-	-	-	-	-	-
3.	Investment in Stations											
4.	Investment in Meters											
5.	Contribution In Aid Of Construction	-	-	-	-	-	-	-	-	-	-	-
6.	Net Investment Capital	-	-	-	-	-	-	-	-	-	-	-
7.	Working Capital	-	-	-	-	-	-	-	-	-	-	-
8.	Total Investments	-	-	-	-	-	-	-	-	-	-	-
9.	PV Of Net Investment At Project Outset	-	-	-	-	-	-	-	-	-	-	-
10.	ACCUMULATED PV OF TOTAL INVESTMENT	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)
<u>CCA TAX SHIELD</u>												
11.	CCA Tax Shield	32,552	30,599	28,763	27,037	25,415	23,890	22,457	21,109	19,843	34,860	17,533
12.	PV Of CCA Tax Shield At Project Outset	16,962	14,985	13,238	11,694	10,331	9,127	8,063	7,123	6,292	10,389	4,911
13.	ACCUMULATED PV OF CCA TAX SHIELD	343,825	358,809	372,047	383,741	394,072	403,199	411,261	418,384	424,676	435,065	439,976
<u>INCREMENTAL OPERATING CASHFLOWS (BEFORE TAXES)</u>												
14.	Gas Distribution Revenue	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173
15.	Gas Costs	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)
16.	O&M	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)
17.	Net Operating Cash (Before Taxes)	365,772	365,772	365,772	365,772	365,772	365,772	365,772	365,772	365,772	365,772	365,772
18.	PV of Net Operating Cash (Before Taxes) At Project Outset	190,594	179,121	168,339	158,206	148,683	139,733	131,322	123,417	115,988	109,006	102,444
19.	ACCUMULATED PV OF NET OPERATING CASH (BEFORE TAXES)	2,737,771	2,916,892	3,085,231	3,243,437	3,392,120	3,531,853	3,663,174	3,786,591	3,902,579	4,011,585	4,114,029
<u>TAXES</u>												
20.	Income Tax (Before Interest Tax Shield)	(93,242)	(93,470)	(93,698)	(93,925)	(94,153)	(94,381)	(94,609)	(94,837)	(95,065)	(95,292)	(95,520)
21.	Municipal Tax	(19,148)	(18,301)	(17,454)	(16,607)	(15,760)	(14,913)	(14,066)	(13,219)	(12,372)	(11,525)	(10,678)
22.	Capital Tax	-	-	-	-	-	-	-	-	-	-	-
23.	Federal Tax	-	-	-	-	-	-	-	-	-	-	-
24.	Total Taxes	(112,390)	(111,771)	(111,151)	(110,532)	(109,913)	(109,294)	(108,675)	(108,056)	(107,437)	(106,818)	(106,199)
25.	PV of Total Taxes At Project Outset	(58,563)	(54,735)	(51,155)	(47,808)	(44,679)	(41,753)	(39,017)	(36,460)	(34,069)	(31,833)	(29,744)
26.	ACCUMULATED PV OF TOTAL TAXES	(875,426)	(930,161)	(981,316)	(1,029,124)	(1,073,802)	(1,115,555)	(1,154,572)	(1,191,032)	(1,225,100)	(1,256,934)	(1,286,678)
<u>ACCUMULATED NPV AND PI</u>												
27.	Net Present Value	(1,434,862)	(1,295,491)	(1,165,070)	(1,042,978)	(928,643)	(821,536)	(721,169)	(627,089)	(538,878)	(451,316)	(373,705)
28.	Profitability Index	0.606	0.644	0.680	0.714	0.745	0.774	0.802	0.828	0.852	0.876	0.897

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	<u>Col. 1</u>	<u>Col. 24</u>	<u>Col. 25</u>	<u>Col. 26</u>	<u>Col. 27</u>	<u>Col. 28</u>	<u>Col. 29</u>	<u>Col. 30</u>	<u>Col. 31</u>	<u>Col. 32</u>	<u>Col. 33</u>	<u>Col. 34</u>
<u>Line No.</u>	<u>Description</u>	<u>Year 22</u>	<u>Year 23</u>	<u>Year 24</u>	<u>Year 25</u>	<u>Year 26</u>	<u>Year 27</u>	<u>Year 28</u>	<u>Year 29</u>	<u>Year 30</u>	<u>Year 31</u>	<u>Year 32</u>
	Discount factors to project outset	21.50	22.50	23.50	24.50	25.50	26.50	27.50	28.50	29.50	30.50	31.50
<u>INCREMENTAL CAPITAL INVESTMENT</u>												
1.	Investment In Mains	-	-	-	-	-	-	-	-	-	-	-
2.	Investment in Services	-	-	-	-	-	-	-	-	-	-	-
3.	Investment in Stations											
4.	Investment in Meters											
5.	Contribution In Aid Of Construction	-	-	-	-	-	-	-	-	-	-	-
6.	Net Investment Capital	-	-	-	-	-	-	-	-	-	-	-
7.	Working Capital	-	-	-	-	-	-	-	-	(3,509)	-	-
8.	Total Investments	-	-	-	-	-	-	-	-	(3,509)	-	-
9.	PV Of Net Investment At Project Outset	-	-	-	-	-	-	-	-	-	528	-
10.	ACCUMULATED PV OF TOTAL INVESTMENT	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,641,032)	(3,640,504)	(3,640,504)
<u>CCA TAX SHIELD</u>												
11.	CCA Tax Shield	16,481	15,492	14,563	13,689	12,868	12,096	11,370	10,688	10,046	9,444	8,877
12.	PV Of CCA Tax Shield At Project Outset	4,338	3,832	3,386	2,991	2,642	2,334	2,062	1,822	1,609	1,422	1,256
13.	ACCUMULATED PV OF CCA TAX SHIELD	444,314	448,146	451,532	454,523	457,165	459,499	461,561	463,383	464,992	466,414	467,669
<u>INCREMENTAL OPERATING CASHFLOWS (BEFORE TAXES)</u>												
14.	Gas Distribution Revenue	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	622,157	622,157
15.	Gas Costs	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(415,559)	(276,167)	(276,167)
16.	O&M	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(83,843)	(70,053)	(70,053)
17.	Net Operating Cash (Before Taxes)	365,772	365,772	365,772	365,772	365,772	365,772	365,772	365,772	365,772	275,938	275,938
18.	PV of Net Operating Cash (Before Taxes) At Project Outset	96,278	90,482	85,036	79,917	75,107	70,586	66,337	62,344	58,591	41,540	39,040
19.	ACCUMULATED PV OF NET OPERATING CASH (BEFORE TAXES)	4,210,307	4,300,789	4,385,825	4,465,742	4,540,849	4,611,435	4,677,771	4,740,115	4,798,706	4,840,246	4,879,285
<u>TAXES</u>												
20.	Income Tax (Before Interest Tax Shield)	(95,748)	(95,928)	(96,027)	(96,126)	(96,226)	(96,325)	(96,425)	(96,524)	(96,624)	(72,634)	(72,734)
21.	Municipal Tax	(9,831)	(9,164)	(8,794)	(8,425)	(8,055)	(7,686)	(7,316)	(6,946)	(6,577)	(5,921)	(5,551)
22.	Capital Tax	-	-	-	-	-	-	-	-	-	-	-
23.	Federal Tax	-	-	-	-	-	-	-	-	-	-	-
24.	Total Taxes	(105,579)	(105,092)	(104,821)	(104,551)	(104,281)	(104,011)	(103,741)	(103,470)	(103,200)	(78,556)	(78,285)
25.	PV of Total Taxes At Project Outset	(27,790)	(25,997)	(24,369)	(22,843)	(21,413)	(20,072)	(18,814)	(17,636)	(16,531)	(11,826)	(11,076)
26.	ACCUMULATED PV OF TOTAL TAXES	(1,314,468)	(1,340,465)	(1,364,834)	(1,387,677)	(1,409,090)	(1,429,162)	(1,447,976)	(1,465,612)	(1,482,143)	(1,493,969)	(1,505,045)
<u>ACCUMULATED NPV AND PI</u>												
27.	Net Present Value	(300,880)	(232,562)	(168,510)	(108,445)	(52,109)	739	50,323	96,853	140,522	171,658	201,406
28.	Profitability Index	0.917	0.936	0.954	0.970	0.986	1.000	1.014	1.027	1.039	1.047	1.055

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	<u>Col. 1</u>	<u>Col. 35</u>	<u>Col. 36</u>	<u>Col. 37</u>	<u>Col. 38</u>	<u>Col. 39</u>	<u>Col. 40</u>	<u>Col. 41</u>	<u>Col. 42</u>	<u>Col. 43</u>	<u>Col. 44</u>	<u>Col. 45</u>
<u>Line No.</u>	<u>Description</u>	<u>Year 33</u>	<u>Year 34</u>	<u>Year 35</u>	<u>Year 36</u>	<u>Year 37</u>	<u>Year 38</u>	<u>Year 39</u>	<u>Year 40</u>	<u>Year 41</u>	<u>Year 42</u>	<u>Year 43</u>
	Discount factors to project outset	32.50	33.50	34.50	35.50	36.50	37.50	38.50	39.50	40.50	41.50	42.50
<u>INCREMENTAL CAPITAL INVESTMENT</u>												
1.	Investment In Mains	-	-	-	-	-	-	-	-	-	-	-
2.	Investment in Services	-	-	-	-	-	-	-	-	-	-	-
3.	Investment in Stations											
4.	Investment in Meters											
5.	Contribution In Aid Of Construction	-	-	-	-	-	-	-	-	-	-	-
6.	Net Investment Capital	-	-	-	-	-	-	-	-	-	-	-
7.	Working Capital	-	-	-	-	-	-	-	-	-	-	-
8.	Total Investments	-	-	-	-	-	-	-	-	-	-	-
9.	PV Of Net Investment At Project Outset	-	-	-	-	-	-	-	-	-	-	-
10.	ACCUMULATED PV OF TOTAL INVESTMENT	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)
<u>CCA TAX SHIELD</u>												
11.	CCA Tax Shield	8,344	7,844	7,373	6,931	6,515	6,124	5,757	5,411	5,086	4,781	4,494
12.	PV Of CCA Tax Shield At Project Outset	1,109	980	866	765	676	597	527	466	412	364	321
13.	ACCUMULATED PV OF CCA TAX SHIELD	468,779	469,759	470,625	471,390	472,066	472,663	473,190	473,656	474,068	474,431	474,752
<u>INCREMENTAL OPERATING CASHFLOWS (BEFORE TAXES)</u>												
14.	Gas Distribution Revenue	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157
15.	Gas Costs	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)
16.	O&M	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)
17.	Net Operating Cash (Before Taxes)	275,938	275,938	275,938	275,938	275,938	275,938	275,938	275,938	275,938	275,938	275,938
18.	PV of Net Operating Cash (Before Taxes) At Project Outset	36,690	34,481	32,406	30,455	28,622	26,899	25,280	23,758	22,328	20,984	19,721
19.	ACCUMULATED PV OF NET OPERATING CASH (BEFORE TAXES)	4,915,975	4,950,456	4,982,862	5,013,317	5,041,938	5,068,837	5,094,117	5,117,875	5,140,203	5,161,187	5,180,907
<u>TAXES</u>												
20.	Income Tax (Before Interest Tax Shield)	(72,833)	(72,933)	(73,032)	(73,132)	(73,231)	(73,330)	(73,430)	(73,529)	(73,629)	(73,728)	(73,825)
21.	Municipal Tax	(5,182)	(4,812)	(4,443)	(4,073)	(3,703)	(3,334)	(2,964)	(2,595)	(2,225)	(1,855)	(1,495)
22.	Capital Tax	-	-	-	-	-	-	-	-	-	-	-
23.	Federal Tax	-	-	-	-	-	-	-	-	-	-	-
24.	Total Taxes	(78,015)	(77,745)	(77,475)	(77,205)	(76,934)	(76,664)	(76,394)	(76,124)	(75,854)	(75,583)	(75,320)
25.	PV of Total Taxes At Project Outset	(10,373)	(9,715)	(9,098)	(8,521)	(7,980)	(7,473)	(6,999)	(6,554)	(6,138)	(5,748)	(5,383)
26.	ACCUMULATED PV OF TOTAL TAXES	(1,515,418)	(1,525,133)	(1,534,232)	(1,542,753)	(1,550,733)	(1,558,206)	(1,565,205)	(1,571,759)	(1,577,897)	(1,583,645)	(1,589,027)
<u>ACCUMULATED NPV AND PI</u>												
27.	Net Present Value	228,832	254,578	278,751	301,450	322,767	342,790	361,598	379,268	395,869	411,469	426,128
28.	Profitability Index	1.063	1.070	1.077	1.083	1.089	1.094	1.099	1.104	1.109	1.113	1.117

Rate Case 2015
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	<u>Col. 1</u>	<u>Col. 46</u>	<u>Col. 47</u>	<u>Col. 48</u>	<u>Col. 49</u>	<u>Col. 50</u>	<u>Col. 51</u>	<u>Col. 52</u>	<u>Col. 53</u>	<u>Col. 54</u>	<u>Col. 55</u>	<u>Col. 56</u>	<u>Col. 57</u>
<u>Line No.</u>	<u>Description</u>	<u>Year 44</u>	<u>Year 45</u>	<u>Year 46</u>	<u>Year 47</u>	<u>Year 48</u>	<u>Year 49</u>	<u>Year 50</u>	<u>Year 51</u>	<u>Year 52</u>	<u>Year 53</u>	<u>Year 54</u>	<u>Year 55</u>
	Discount factors to project outset	43.50	44.50	45.50	46.50	47.50	48.50	49.50	50.50	51.50	52.50	53.50	54.50
<u>INCREMENTAL CAPITAL INVESTMENT</u>													
1.	Investment In Mains	-	-	-	-	-	-	-	-	-	-	-	-
2.	Investment in Services	-	-	-	-	-	-	-	-	-	-	-	-
3.	Investment in Stations												
4.	Investment in Meters												
5.	Contribution In Aid Of Construction	-	-	-	-	-	-	-	-	-	-	-	-
6.	Net Investment Capital	-	-	-	-	-	-	-	-	-	-	-	-
7.	Working Capital	-	-	-	-	-	-	-	-	-	-	-	-
8.	Total Investments	-	-	-	-	-	-	-	-	-	-	-	-
9.	PV Of Net Investment At Project Outset	-	-	-	-	-	-	-	-	-	-	-	-
10.	ACCUMULATED PV OF TOTAL INVESTMENT	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)	(3,640,504)
<u>CCA TAX SHIELD</u>													
11.	CCA Tax Shield	4,225	3,971	3,733	3,509	3,298	3,101	2,915	2,740	2,575	2,421	2,276	18,347
12.	PV Of CCA Tax Shield At Project Outset	284	251	221	196	173	153	135	119	105	93	82	622
13.	ACCUMULATED PV OF CCA TAX SHIELD	475,036	475,287	475,508	475,704	475,877	476,029	476,164	476,283	476,389	476,482	476,564	477,186
<u>INCREMENTAL OPERATING CASHFLOWS (BEFORE TAXES)</u>													
14.	Gas Distribution Revenue	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157
15.	Gas Costs	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)	(276,167)
16.	O&M	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)	(70,053)
17.	Net Operating Cash (Before Taxes)	275,938	275,938	275,938	275,938	275,938	275,938	275,938	275,938	275,938	275,938	275,938	275,938
18.	PV of Net Operating Cash (Before Taxes) At Project Outset	18,534	17,418	16,370	15,384	14,458	13,588	12,770	12,001	11,279	10,600	9,962	9,362
19.	ACCUMULATED PV OF NET OPERATING CASH (BEFORE TAXES)	5,199,441	5,216,859	5,233,229	5,248,613	5,263,071	5,276,659	5,289,429	5,301,430	5,312,709	5,323,309	5,333,271	5,342,633
<u>TAXES</u>													
20.	Income Tax (Before Interest Tax Shield)	(73,921)	(74,016)	(74,071)	(74,076)	(74,080)	(74,080)	(74,080)	(74,080)	(74,080)	(74,080)	(74,080)	(74,080)
21.	Municipal Tax	(1,140)	(785)	(582)	(561)	(546)	(546)	(546)	(546)	(546)	(546)	(546)	(546)
22.	Capital Tax	-	-	-	-	-	-	-	-	-	-	-	-
23.	Federal Tax	-	-	-	-	-	-	-	-	-	-	-	-
24.	Total Taxes	(75,061)	(74,801)	(74,653)	(74,637)	(74,627)	(74,627)	(74,627)	(74,627)	(74,627)	(74,627)	(74,627)	(74,627)
25.	PV of Total Taxes At Project Outset	(5,042)	(4,722)	(4,429)	(4,161)	(3,910)	(3,675)	(3,454)	(3,246)	(3,050)	(2,867)	(2,694)	(2,532)
26.	ACCUMULATED PV OF TOTAL TAXES	(1,594,069)	(1,598,791)	(1,603,219)	(1,607,381)	(1,611,291)	(1,614,966)	(1,618,419)	(1,621,665)	(1,624,715)	(1,627,582)	(1,630,276)	(1,632,808)
<u>ACCUMULATED NPV AND PI</u>													
27.	Net Present Value	439,904	452,851	465,013	476,432	487,153	497,218	506,670	515,544	523,878	531,704	539,054	546,507
28.	Profitability Index	1.121	1.124	1.128	1.131	1.134	1.137	1.139	1.142	1.144	1.146	1.148	1.150

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Dollars	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
	1	2	3	4	5	6	7	8	9	10	
REVENUE											
A. Effective Project Revenue	432,587	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	
B. Year "0" Revenue (2014 Rate Case)	54,681,500										
C. Total Revenue (year "0" + projected revenue)	54,681,500	55,114,087	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	
REVENUE REQUIREMENT											
D. Effective Project Revenue Requirement	472,440	912,014	905,936	899,578	892,957	886,088	878,988	871,669	864,144	856,427	
E. Year "0" Revenue Requirement	54,681,500										
F. Total Revenue Requirement (year "0" + project rev.req.)	54,681,500	55,153,940	55,593,514	55,587,436	55,581,078	55,574,457	55,567,588	55,560,488	55,553,169	55,545,644	
(D - A) DEFICIENCY or RATE IMPACT	39,853	46,841	40,763	34,405	27,783	20,915	13,814	6,495	(1,029)	(8,747)	
(D - A) / C % Rate Impact vs Yr 0	0.072%	0.08%	0.07%	0.06%	0.050%	0.04%	0.02%	0.01%	0.00%	-0.02%	
LEVELIZED RATE IMPACT CALCULATION											
L. Rate Impact (D -A)		39,853	46,841	40,763	34,405	27,783	20,915	13,814	6,495	(1,029)	(8,747)
M. \$ Levelized Impact (55 yrs.)	Disc. Rate of 7.423%	(41,538)									
N. Levelized Revenue		55,492,091									
O. % Levelized Impact		-0.075%	(41,255)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)

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Dollars	Year 11 11	Year 12 12	Year 13 13	Year 14 14	Year 15 15	Year 16 16	Year 17 17	Year 18 18	Year 19 19	Year 20 20	Year 21 21
REVENUE											
A. Effective Project Revenue	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173
B. Year "0" Revenue (2014 Rate Case)											
C. Total Revenue (year "0" + projected revenue)	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673
REVENUE REQUIREMENT											
D. Effective Project Revenue Requirement	848,528	840,458	832,228	823,848	815,326	806,670	797,890	788,992	779,983	770,870	761,660
E. Year "0" Revenue Requirement											
F. Total Revenue Requirement (year "0" + project rev.req.)	55,530,028	55,521,958	55,513,728	55,505,348	55,496,826	55,488,170	55,479,390	55,470,492	55,461,483	55,452,370	55,443,160
(D - A) DEFICIENCY or RATE IMPACT	(16,646)	(24,715)	(32,945)	(41,326)	(49,848)	(58,503)	(67,283)	(76,182)	(85,190)	(94,303)	(103,513)
(D - A) / C % Rate Impact vs Yr 0	-0.03%	-0.04%	-0.06%	-0.07%	-0.09%	-0.11%	-0.12%	-0.14%	-0.15%	-0.17%	-0.19%
LEVELIZED RATE IMPACT CALCULATION											
L. Rate Impact (D -A)	(16,646)	(24,715)	(32,945)	(41,326)	(49,848)	(58,503)	(67,283)	(76,182)	(85,190)	(94,303)	(103,513)
M. \$ Levelized Impact (55 yrs.)											
N. Levelized Revenue											
O. % Levelized Impact	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)

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Dollars	Year 22 22	Year 23 23	Year 24 24	Year 25 25	Year 26 26	Year 27 27	Year 28 28	Year 29 29	Year 30 30	Year 31 31	Year 32 32	Year 33 33
REVENUE												
A. Effective Project Revenue	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	865,173	622,157	622,157	622,157
B. Year "0" Revenue (2014 Rate Case)												
C. Total Revenue (year "0" + projected revenue)	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,546,673	55,303,657	55,303,657	55,303,657
REVENUE REQUIREMENT												
D. Effective Project Revenue Requirement	752,358	711,453	651,980	648,487	644,923	641,292	637,597	633,842	630,032	472,547	468,481	464,522
E. Year "0" Revenue Requirement												
F. Total Revenue Requirement (year "0" + project rev.req.)	55,433,858	55,392,953	55,333,480	55,329,987	55,326,423	55,322,792	55,319,097	55,315,342	55,311,532	55,154,047	55,149,981	55,146,022
(D - A) DEFICIENCY or RATE IMPACT	(112,816)	(153,721)	(213,194)	(216,686)	(220,250)	(223,882)	(227,577)	(231,331)	(235,142)	(149,610)	(153,676)	(157,635)
(D - A) / C % Rate Impact vs Yr 0	-0.20%	-0.28%	-0.38%	-0.39%	-0.40%	-0.40%	-0.41%	-0.42%	-0.42%	-0.27%	-0.28%	-0.29%
LEVELIZED RATE IMPACT CALCULATION												
L. Rate Impact (D -A)	(112,816)	(153,721)	(213,194)	(216,686)	(220,250)	(223,882)	(227,577)	(231,331)	(235,142)	(149,610)	(153,676)	(157,635)
M. \$ Levelized Impact (55 yrs.)												
N. Levelized Revenue												
O. % Levelized Impact	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,579)	(41,397)	(41,397)	(41,397)

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Dollars	Year 34 34	Year 35 35	Year 36 36	Year 37 37	Year 38 38	Year 39 39	Year 40 40	Year 41 41	Year 42 42	Year 43 43	Year 44 44
REVENUE											
A. Effective Project Revenue	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157
B. Year "0" Revenue (2014 Rate Case)											
C. Total Revenue (year "0" + projected revenue)	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657
REVENUE REQUIREMENT											
D. Effective Project Revenue Requirement	460,519	456,475	452,393	448,274	444,121	439,936	435,721	431,477	427,207	421,288	416,121
E. Year "0" Revenue Requirement											
F. Total Revenue Requirement (year "0" + project rev.req.)	55,142,019	55,137,975	55,133,893	55,129,774	55,125,621	55,121,436	55,117,221	55,112,977	55,108,707	55,102,788	55,097,621
(D - A) DEFICIENCY or RATE IMPACT	(161,638)	(165,682)	(169,765)	(173,883)	(178,036)	(182,221)	(186,437)	(190,680)	(194,950)	(200,869)	(206,037)
(D - A) / C % Rate Impact vs Yr 0	-0.29%	-0.30%	-0.31%	-0.31%	-0.32%	-0.33%	-0.34%	-0.34%	-0.35%	-0.36%	-0.37%
LEVELIZED RATE IMPACT CALCULATION											
L. Rate Impact (D - A)	(161,638)	(165,682)	(169,765)	(173,883)	(178,036)	(182,221)	(186,437)	(190,680)	(194,950)	(200,869)	(206,037)
M. \$ Levelized Impact (55 yrs.)											
N. Levelized Revenue											
O. % Levelized Impact	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)

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Dollars	Year 45 45	Year 46 46	Year 47 47	Year 48 48	Year 49 49	Year 50 50	Year 51 51	Year 52 52	Year 53 53	Year 54 54	Year 55 55
REVENUE											
A. Effective Project Revenue	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157	622,157
B. Year "0" Revenue (2014 Rate Case)											
C. Total Revenue (year "0" + projected revenue)	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657	55,303,657
REVENUE REQUIREMENT											
D. Effective Project Revenue Requirement	411,967	381,155	346,974	345,753	343,330	343,584	343,823	344,048	344,260	344,458	344,645
E. Year "0" Revenue Requirement											
F. Total Revenue Requirement (year "0" + project rev.req.)	55,093,467	55,062,655	55,028,474	55,027,253	55,024,830	55,025,084	55,025,323	55,025,548	55,025,760	55,025,958	55,026,145
(D - A) DEFICIENCY or RATE IMPACT	(210,190)	(241,002)	(275,183)	(276,405)	(278,828)	(278,573)	(278,334)	(278,109)	(277,898)	(277,699)	(277,512)
(D - A) / C % Rate Impact vs Yr 0	-0.38%	-0.44%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%
LEVELIZED RATE IMPACT CALCULATION											
L. Rate Impact (D -A)	(210,190)	(241,002)	(275,183)	(276,405)	(278,828)	(278,573)	(278,334)	(278,109)	(277,898)	(277,699)	(277,512)
M. \$ Levelized Impact (55 yrs.)											
N. Levelized Revenue											
O. % Levelized Impact	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)	(41,397)

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