Appendix A

## Qualifications

## 1 Present Occupation

2

## 3 Q. What is your present occupation?

- 4 A. I am a consulting economist and President of Ben Johnson Associates,
- 5 Inc.®, a firm of economic and analytic consultants specializing in the area
- 6 of public utility regulation.
- 7

## 8 Educational Background

9

## 10 Q. What is your educational background?

11 A. I graduated with honors from the University of South Florida with a

12 Bachelor of Arts degree in Economics in March 1974. I earned a Master

13 of Science degree in Economics at Florida State University in September

14 1977. The title of my Master's Thesis is a "A Critique of Economic Theory

15 as Applied to the Regulated Firm." Finally, I graduated from Florida State

- 16 University in April 1982 with the Ph.D. degree in Economics. The title of
- 17 my doctoral dissertation is "Executive Compensation, Size, Profit, and

18 Cost in the Electric Utility Industry."

- 1 Clients
- 2

3	Q.	What types of clients have employed your firm?
4	А	Much of our work is performed on behalf of public agencies at every level
5		of government involved in utility regulation. These agencies include state
6		regulatory commissions, public counsels, attorneys general, and local
7		governments, among others. We have also worked for a wide variety of
8		different private organizations and firms, both regulated and unregulated.
9		The diversity of our clientele is illustrated below.
10		
11	<u>Regu</u>	latory Commissions
12		
13		Alaska Public Utilities Commission
14		Arizona Corporation Commission
15		Arkansas Public Service Commission
16		Connecticut Department of Public Utility Control
17		District of Columbia Public Service Commission
18		Idaho Public Utilities Commission
19		Idaho State Tax Commission
20		Iowa Department of Revenue and Finance
21		Kansas State Corporation Commission
22		Maine Public Utilities Commission
23		Minnesota Department of Public Service

Appendix A, Direct Testimony of Ben Johnson, Ph.D.	
On Behalf of the New Hampshire Office of Consumer Advocat	e
Docket No. DG 17-048	

1	Missouri Public Service Commission
2	National Association of State Utility Consumer Advocates
3	Nevada Public Service Commission
4	New Hampshire Public Utilities Commission
5	North Carolina Utilities Commission—Public Staff
6	Oklahoma Corporation Commission
7	Ontario Ministry of Culture and Communications
8	Staff of the Delaware Public Service Commission
9	Staff of the Georgia Public Service Commission
10	Texas Public Utilities Commission
11	Virginia State Corporation Commission
12	Washington Utilities and Transportation Commission
13	West Virginia Public Service Commission—Division of Consumer Advocate
14	Wisconsin Public Service Commission
15	Wyoming Public Service Commission
16	
17	Public Counsels
18	
19	Arizona Residential Utility Consumers Office
20	Colorado Office of Consumer Counsel
21	Colorado Office of Consumer Services
22	Connecticut Consumer Counsel
23	District of Columbia Office of People's Counsel
24	Florida Public Counsel
25	Georgia Consumers' Utility Counsel

	Appendix A, Direct Testimony of Ben Johnson, Ph.D. On Behalf of the New Hampshire Office of Consumer Advocate Docket No. DG 17-048
1	Hawaii Division of Consumer Advocacy
2	Illinois Small Business Utility Advocate Office
3	Indiana Office of the Utility Consumer Counselor
4	Iowa Consumer Advocate
5	Maryland Office of People's Counsel
6	Minnesota Office of Consumer Services
7	Missouri Public Counsel
8	New Hampshire Office of Consumer Advocate
9	New York State Department of State – Utility Intervention Unit
10	Ohio Consumer Counsel
11	Pennsylvania Office of Consumer Advocate
12	Utah Department of Business Regulation-Committee of Consumer Services
13	
14	Attorneys General
15	
16	Arkansas Attorney General
17	Florida Attorney General—Antitrust Division
18	Idaho Attorney General
19	Kentucky Attorney General
20	Michigan Attorney General
21	Minnesota Attorney General
22	Nevada Attorney General's Office of Advocate for Customers of Public Utilities
23	South Carolina Attorney General
24	Utah Attorney General
25	Virginia Attorney General
26	Washington Attorney General
	4

- Local Governments 1
- 2

3	City of Austin, TX
4	City of Corpus Christi, TX
5	City of Dallas, TX
6	City of El Paso, TX
7	City of Galveston, TX
8	City of Norfolk, VA
9	City of Phoenix, AZ
10	City of Richmond, VA
11	City of San Antonio, TX
12	City of Tucson, AZ
13	County of Augusta, VA
14	County of Henrico, VA
15	County of York, VA
16	Town of Ashland, VA
17	Town of Blacksburg, VA
18	Town of Pecos City, TX
19	
20	Other Government Agencies
21	
22	Canada—Department of Communications
23	Hillsborough County Property Appraiser
24	Provincial Governments of Canada
25	Sarasota County Property Appraiser
	5

	Appendix A, Direct Testimony of Ben Johnson, Ph.D. On Behalf of the New Hampshire Office of Consumer Advocate Docket No. DG 17-048
1	State of Florida—Department of General Services
2	United States Department of Justice—Antitrust Division
3	Utah State Tax Commission
4	
5	Regulated Firms
6	
7	Alabama Power Company
8	Americall LDC, Inc.
9	BC Rail
10	CommuniGroup
11	Florida Association of Concerned Telephone Companies, Inc.
12	LDDS Communications, Inc.
13	Louisiana/Mississippi Resellers Association
14	Madison County Telephone Company
15	Montana Power Company
16	Mountain View Telephone Company
17	Nevada Power Company
18	Network I, Inc.
19	North Carolina Long Distance Association
20	Northern Lights Public Utility
21	Otter Tail Power Company
22	Pan-Alberta Gas, Ltd.
23	Resort Village Utility, Inc.
24	South Carolina Long Distance Association
25	Stanton Telephone

	Appendix A, Direct Testimony of Ben Johnson, Ph.D. On Behalf of the New Hampshire Office of Consumer Advocate Docket No. DG 17-048
1	Teleconnect Company
2	Tennessee Resellers' Association
3	Westel Telecommunications
4	Yelcot Telephone Company, Inc.
5	
6	Other Private Organizations
7	
8	AARP
9	Arizona Center for Law in the Public Interest
10	Black United Fund of New Jersey
11	Clark Canyon, LLC
12	Clearwater Paper Company
13	Coalition of Boise Water Customers
14	Colorado Energy Advocacy Office
15	East Maine Medical Center
16	Georgia Legal Services Program
17	Harris Corporation
18	Helca Mining Company
19	Idaho Small Timber Companies
20	Independent Energy Producers of Idaho
21	Interstate Securities Corporation
22	J.R. Simplot Company
23	Merrill Trust Company
24	MICRON Semiconductor, Inc.
25	Native American Rights Fund

	On Beh	ix A, Direct Testimony of Ben Johnson, Ph.D. alf of the New Hampshire Office of Consumer Advocate No. DG 17-048
1		North Carolina Sustainable Energy Association
2		Skokomish Indian Tribe
3		South Carolina Solar Business Alliance
4		Tamarack Energy Partnership
5		Twin Falls Canal Company
6		World Center for Birds of Prey
7		
8	Prior	Experience
9		
10	Q.	Before becoming a consultant, what was your employment
11		experience?
12	A.	From August 1975 to September 1977, I held the position of Senior Utility
13		Analyst with Office of Public Counsel in Florida. From September 1974
14		until August 1975, I held the position of Economic Analyst with the same
15		office. Prior to that time, I was employed by the law firm of Holland and
16		Knight as a corporate legal assistant.
17		
18	Q.	In how many formal utility regulatory proceedings have you been
19		involved?
20	A.	I have been actively involved in more than 400 different formal regulatory
21		proceedings concerning electric, telephone, natural gas, railroad, and
22		water and sewer utilities.
23		

1	Q.	Have you done any independent research and analysis in the field of
2		regulatory economics?
3	A.	Yes, I have undertaken extensive research and analysis of various aspects
4		of utility regulation. Initially I prepare reports for the internal use of the
5		Florida Public Counsel, but in the subsequent years I've prepared reports
6		for use by the staff of the Florida Legislature and for submission to the
7		Arizona Corporation Commission, the Florida Public Service
8		Commission, the Canadian Department of Communications, and the
9		Provincial Governments of Canada, among others. In addition, as I already
10		mentioned, my Master's thesis concerned the theory of the regulated firm.
11		
12	Q.	Have you testified previously as an expert witness in the area of public
12 13	Q.	Have you testified previously as an expert witness in the area of public utility regulation?
	<b>Q.</b> A.	
13		utility regulation?
13 14		<b>utility regulation?</b> Yes. I have provided expert testimony on more than 300 occasions in
13 14 15		<b>utility regulation?</b> Yes. I have provided expert testimony on more than 300 occasions in proceedings before state courts, federal courts, and regulatory
13 14 15 16		<ul><li>utility regulation?</li><li>Yes. I have provided expert testimony on more than 300 occasions in</li><li>proceedings before state courts, federal courts, and regulatory</li><li>commissions throughout the United States and in Canada. I have presented</li></ul>
13 14 15 16 17		<ul> <li>utility regulation?</li> <li>Yes. I have provided expert testimony on more than 300 occasions in</li> <li>proceedings before state courts, federal courts, and regulatory</li> <li>commissions throughout the United States and in Canada. I have presented</li> <li>or have pending expert testimony before 35 state commissions, the</li> </ul>
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> </ol>		<ul> <li>utility regulation?</li> <li>Yes. I have provided expert testimony on more than 300 occasions in</li> <li>proceedings before state courts, federal courts, and regulatory</li> <li>commissions throughout the United States and in Canada. I have presented</li> <li>or have pending expert testimony before 35 state commissions, the</li> <li>Interstate Commerce Commission, the Federal Communications</li> </ul>

## 1 Q. What types of companies have you analyzed?

2	A.	My work has involved more than 425 different telephone companies,
3		covering the entire spectrum from AT&T Communications to Stanton
4		Telephone, and approximately 60 electric utilities. I have also worked on
5		consulting engagements involving more than 35 other regulated firms,
6		including water, sewer, natural gas, and railroad companies.
7		
8	Teach	ing and Publications
9		
10	Q.	Have you ever lectured on the subject of regulatory economics?
11	A.	Yes, I have lectured to undergraduate classes in economics at Florida State
12		University on various subjects related to public utility regulation and
13		economic theory. I have also addressed conferences and seminars
14		sponsored by such institutions as the National Association of Regulatory
15		Utility Commissioners (NARUC), the Marquette University College of
16		Business Administration, the Utah Division of Public Utilities and the
17		University of Utah, the Competitive Telecommunications Association
18		(COMPTEL), the International Association of Assessing Officers (IAAO),
19		the Michigan State University Institute of Public Utilities, the National
20		Association of State Utility Consumer Advocates (NASUCA), the Rural
21		Electrification Administration (REA) and North Carolina State University.

1	Q.	Have you published any articles concerning public utility regulation?
2	A.	Yes, I have authored or co-authored the following articles and comments:
3		
4		"Attrition: A Problem for Public Utilities—Comment." Public Utilities
5		Fortnightly, March 2, 1978, pp. 32-33.
6		
7		"The Attrition Problem: Underlying Causes and Regulatory Solutions."
8		Public Utilities Fortnightly, March 2, 1978, pp. 17-20.
9		
10		"The Dilemma in Mixing Competition with Regulation." Public Utilities
11		Fortnightly, February 15, 1979, pp. 15-19.
12		
13		"Cost Allocations: Limits, Problems, and Alternatives." Public Utilities
14		Fortnightly, December 4, 1980, pp. 33-36.
15		
16		"AT&T is Wrong." The New York Times, February 13, 1982, p. 19.
17		
18		"Deregulation and Divestiture in a Changing Telecommunications
19		Industry," with Sharon D. Thomas. Public Utilities Fortnightly, October
20		14, 1982, pp. 17-22.
21		

1	"Is the Debt-Equity Spread Always Positive?" Public Utilities Fortnightly,
2	November 25, 1982, pp. 7-8.
3	
4	"Working Capital: An Evaluation of Alternative Approaches." Electric
5	Rate-Making, December 1982/January 1983, pp. 36-39.
6	
7	"The Staggers Rail Act of 1980: Deregulation Gone Awry," with Sharon
8	D. Thomas. West Virginia Law Review, Coal Issue 1983, pp. 725-738.
9	
10	"Bypassing the FCC: An Alternative Approach to Access Charges." Public
11	Utilities Fortnightly, March 7, 1985, pp. 18-23.
12	
13	"On the Results of the Telephone Network's Demise-Comment," with
14	Sharon D. Thomas. Public Utilities Fortnightly, May 1, 1986, pp. 6-7.
15	
16	"Universal Local Access Service Tariffs: An Alternative Approach to
17	Access Charges." In Public Utility Regulation in an Environment of
18	Change, edited by Patrick C. Mann and Harry M. Trebing, pp. 63-75.
19	Proceedings of the Institute of Public Utilities Seventeenth Annual
20	Conference. East Lansing, Michigan: Michigan State University Public
21	Utilities Institute, 1987.

1		
2		With E. Ray Canterbery. Review of The Economics of
3		Telecommunications: Theory and Policy by John T. Wenders. Southern
4		Economic Journal 54.2 (October 1987).
5		
6		"The Marginal Costs of Subscriber Loops," A Paper Published in the
7		Proceedings of the Symposia on Marginal Cost Techniques for Telephone
8		Services. The National Regulatory Research Institute, July 15-19, 1990
9		and August 12-16, 1990.
10		
11		With E. Ray Canterbery and Don Reading. "Cost Savings from Nuclear
12		Regulatory Reform: An Econometric Model." Southern Economic
13		Journal, January 1996.
14		
15	Profes	ssional Memberships
16		
17	Q.	Do you belong to any professional societies?
18	A.	Yes. I am a member of the American Economic Association.

### Illustrative Revision of Marginal Cost Study

			Resid	lential	Commercial	and	Industrial: Lov	v Lo	ad Factor	Com	mer	cial and Indust	ial:	High Load F	act	or
Annual Revenue Responsibility	Company Total	N	lon Heat	Heat	Low Annual	Me	edium Annual	Hi	igh Annual	Low Annual	М	ledium Annual	Н	ligh Annual	н	igh Annual
	Total		R-1	R-3, R-4	G-41		G-42		G-43	G-51		G-52		G-53		G-54
Total Customer Marginal Costs	\$ 12,679,781	\$	414,200	\$ 10,146,365	\$ 1,271,010	\$	482,000	\$	24,068	\$ 187,960	\$	80,208	\$	27,563	\$	46,406
Total Capacity-Related Marginal Costs	\$ 44,284,977	\$	162,422	\$ 19,100,858	\$ 7,508,326	\$	10,418,024	\$	2,739,844	\$ 759,955	\$	1,166,727	\$	1,385,386	\$	1,043,435
Total	\$ 56,964,759	\$	576,623	\$ 29,247,224	\$ 8,779,336	\$	10,900,023	\$	2,763,913	\$ 947,915	\$	1,246,936	\$	1,412,950	\$	1,089,841
MC-based share of revenue responsibility	100.0%		1.0%	51.3%	15.4%	, D	19.1%		4.9%	1.7%	þ	2.2%		2.5%		1.9%
			5.4		 0.44				0.40	0.54		0.50		0.50		
Unit Marginal Costs		-	R-1	R-3, R-4	G-41		G-42		G-43	G-51		G-52		G-53		G-54
Customer-Related Unit Marginal Costs Monthly Average per Bill			\$11.37	\$11.11	\$12.44		\$23.44		\$39.66	\$12.52		\$21.67		\$68.43		\$140.80
Capacity-Related Unit Marginal Costs Annual Average per Therm		\$	0.2372	\$ 0.3353	\$ 0.3527	\$	0.3100	\$	0.2856	\$ 0.2021	\$	0.1632	\$	0.1402	\$	0.0605

Docket No. DG 17-048 Exhibit\_\_\_\_(OCA-2) Schedule 2 Page 1 of 16

## COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES RATE R-1 : RESIDENTIAL NON-HEATING

Present Rates	Winter	Summer	Proposed Rates	Winter	Summer
Cost of Gas	\$0.7162	\$0.4368	Cost of Gas	\$0.7051	\$0.4404
LDAC	\$0.0640		LDAC	\$0.0665	
Customer charge	\$15.27		Customer charge	\$11.50	
Sales rate			Sales rate		
First Block Size	0	0	First Block Size	0	0
Block 1	\$0.2018	\$0.2018	Block 1	\$0.6324	\$0.6324
Block 2	\$0.2018	\$0.2018	Block 2	\$0.6324	\$0.6324

1						First Block	Size	0	0		First Block	Size	0	0								
8						Block 1		\$0.2018	\$0.2018		Block 1		\$0.6324	\$0.6324								
9						Block 2		\$0.2018	\$0.2018		Block 2		\$0.6324	\$0.6324								
10																						
11																						
12		[			thly Bills at	Present Ra	tes			Mont	hly Bills at I	Proposed R	ates				Monthly Bill			Unit C	osts	
13		e per	-	Winter		_	Summer		_	Winter		_	Summer		Win	er	Sumr	ner	Curi	rent	Prop	osed
		onth	Base	COG /		Base	COG /		Base	COG /		Base	COG /									
14	(th	erms)	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
15		~	\$15.27	¢0.00	¢45.07	\$15.27	¢0.00	¢15.07	\$11.50	\$0.00	¢11 50	\$11.50	\$0.00	¢11 50	¢0.77	04 70/	¢0.77	-24.7%	¢0,0000	\$0.0000	\$0.0000	\$0.0000
16 17		0 2	\$15.27	\$0.00 \$1.56	\$15.27 \$17.23	\$15.27	\$0.00 \$1.00	\$15.27 \$16.68	\$12.77	\$0.00 \$1.54	\$11.50 \$14.31	\$11.50	\$0.00 \$1.01	\$11.50 \$13.78	-\$3.77 -\$2.93	-24.7% -17.0%	-\$3.77 -\$2.90	-24.7% -17.4%	\$0.0000 \$8.6170	\$0.0000 \$8.3376	\$0.0000	\$0.0000 \$6.8897
18		4	\$16.08	\$3.12	\$19.20	\$16.08	\$2.00	\$18.08	\$14.03	\$3.09	\$17.12	\$14.03	\$2.03	\$16.06	-\$2.08	-10.8%	-\$2.02	-11.2%	\$4.7995	\$4.5201	\$4.2792	\$4.0145
19		6	\$16.48	\$4.68	\$21.16	\$16.48	\$3.00	\$19.49	\$15.30	\$4.63	\$19.92	\$15.30	\$3.04	\$18.34	-\$1.24	-5.8%	-\$1.15	-5.9%	\$3.5270	\$3.2476	\$3.3208	\$3.0561
20		8	\$16.88	\$6.24	\$23.13	\$16.88	\$4.01	\$20.89	\$16.56	\$6.17	\$22.73	\$16.56	\$4.06	\$20.62	-\$0.39	-1.7%	-\$0.28	-1.3%	\$2.8908	\$2.6114	\$2.8416	\$2.5769
21		10	\$17.29	\$7.80	\$25.09	\$17.29	\$5.01	\$22.30	\$17.82	\$7.72	\$25.54	\$17.82	\$5.07	\$22.89	\$0.45	1.8%	\$0.60	2.7%	\$2.5090	\$2.2296	\$2.5541	\$2.2894
22		15	\$18.30	\$11.70	\$30.00	\$18.30	\$7.51	\$25.81	\$20.99	\$11.57	\$32.56	\$20.99	\$7.60	\$28.59	\$2.56	8.5%	\$2.78	10.8%	\$2,0000	\$1.7206	\$2,1707	\$1.9060
23		20	\$19.31	\$15.60	\$34.91	\$19.31	\$10.02	\$29.32	\$24.15	\$15.43	\$39.58	\$24.15	\$10.14	\$34.29	\$4.67	13.4%	\$4.96	16.9%	\$1.7455	\$1.4661	\$1.9790	\$1.7143
24	:	25	\$20.32	\$19.51	\$39.82	\$20.32	\$12.52	\$32.84	\$27.31	\$19.29	\$46.60	\$27.31	\$12.67	\$39.98	\$6.78	17.0%	\$7.15	21.8%	\$1.5928	\$1.3134	\$1.8640	\$1.5993
25		30	\$21.32	\$23.41	\$44.73	\$21.32	\$15.02	\$36.35	\$30.47	\$23.15	\$53.62	\$30.47	\$15.21	\$45.68	\$8.89	19.9%	\$9.33	25.7%	\$1.4910	\$1.2116	\$1.7873	\$1.5226
26		35	\$22.33	\$27.31	\$49.64	\$22.33	\$17.53	\$39.86	\$33.63	\$27.01	\$60.64	\$33.63	\$17.74	\$51.38	\$11.00	22.2%	\$11.51	28.9%	\$1.4183	\$1.1389	\$1.7326	\$1.4679
27		40	\$23.34	\$31.21	\$54.55	\$23.34	\$20.03	\$43.37	\$36.80	\$30.86	\$67.66	\$36.80	\$20.28	\$57.07	\$13.11	24.0%	\$13.70	31.6%	\$1.3638	\$1.0844	\$1.6915	\$1.4268
28		45	\$24.35	\$35.11	\$59.46	\$24.35	\$22.54	\$46.89	\$39.96	\$34.72	\$74.68	\$39.96	\$22.81	\$62.77	\$15.22	25.6%	\$15.88	33.9%	\$1.3213	\$1.0419	\$1.6596	\$1.3949
29		50	\$25.36	\$39.01	\$64.37	\$25.36	\$25.04	\$50.40	\$43.12	\$38.58	\$81.70	\$43.12	\$25.35	\$68.47	\$17.33	26.9%	\$18.07	35.8%	\$1.2874	\$1.0080	\$1.6340	\$1.3693
30		60	\$27.38	\$46.81	\$74.19	\$27.38	\$30.05	\$57.43	\$49.44	\$46.30	\$95.74	\$49.44	\$30.41	\$79.86	\$21.55	29.0%	\$22.43	39.1%	\$1.2365	\$0.9571	\$1.5957	\$1.3310
31		70	\$29.40	\$54.61	\$84.01	\$29.40	\$35.06	\$64.45	\$55.77	\$54.01	\$109.78	\$55.77	\$35.48	\$91.25	\$25.77	30.7%	\$26.80	41.6%	\$1.2001	\$0.9207	\$1.5683	\$1.3036
32		80	\$31.41	\$62.42	\$93.83	\$31.41	\$40.06	\$71.48	\$62.09	\$61.73	\$123.82	\$62.09	\$40.55	\$102.64	\$29.99	32.0%	\$31.17	43.6%	\$1.1729	\$0.8935	\$1.5477	\$1.2830
33		90	\$33.43	\$70.22	\$103.65	\$33.43	\$45.07	\$78.50	\$68.41	\$69.45	\$137.86	\$68.41	\$45.62	\$114.04	\$34.21	33.0%	\$35.53	45.3%	\$1.1517	\$0.8723	\$1.5318	\$1.2671
34		00	\$35.45	\$78.02	\$113.47	\$35.45	\$50.08	\$85.53	\$74.74	\$77.16	\$151.90	\$74.74	\$50.69	\$125.43	\$38.43	33.9%	\$39.90	46.6%	\$1.1347	\$0.8553	\$1.5190	\$1.2543
35	2	200	\$55.63	\$156.04	\$211.67	\$55.63	\$100.16	\$155.79	\$137.98	\$154.32	\$292.30	\$137.98	\$101.38	\$239.36	\$80.63	38.1%	\$83.57	53.6%	\$1.0584	\$0.7790	\$1.4615	\$1.1968
36	E-dimente d Dill	<b>.</b>	411																			
37	Estimated Bill Winter -	Percen	itiles																			
38	25%	8	\$16.88	\$6.24	\$23.13				\$16.56	\$6.17	\$22.73				-\$0.39	-1.7%			\$2.8908		\$2.8416	
00	Winter -	Ŭ	¢10.00	ψ0. <b>2</b> 4	φ20.10				<b></b> • • • • • • •	ψ0.17	Ψ22.70				φ0.00	1.1 /0			φ2.0000		φ2.0410	
39		20	\$19.31	\$15.60	\$34.91				\$24.15	\$15.43	\$39.58				\$4.67	13.4%			\$1,7455		\$1.9790	
	Winter -																					
40	75%	30	\$21.32	\$23.41	\$44.73				\$30.47	\$23.15	\$53.62				\$8.89	19.9%			\$1.4910		\$1.7873	
	Summer -																					
41	25%	5				\$16.28	\$2.50	\$18.78				\$14.66	\$2.53	\$17.20			-\$1.59	-8.4%		\$3.7566		\$3.4395
	Summer -																					
42		11				\$17.49	\$5.51	\$23.00				\$18.46	\$5.58	\$24.03			\$1.03	4.5%		\$2.0908		\$2.1848
	Summer -																					
43	75%	20				\$19.31	\$10.02	\$29.32				\$24.15	\$10.14	\$34.29			\$4.96	16.9%		\$1.4661		\$1.7143

Estimated Bill Percentiles per 2010 MCS

Docket No. DG 17-048 Exhibit\_\_\_\_(OCA-2) Schedule 2 Page 2 of 16

# COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES RATE R-3 : RESIDENTIAL HEATING

Present Rates	Winter	Summer
Cost of Gas	\$0.7162	\$0.4368
LDAC	\$0.0640	
Customer charge	\$22.10	
Sales rate		
First Block Size	100	20
Block 1	\$0.3495	\$0.3495
Block 2	\$0.2892	\$0.2892

11																					
12			Mor	nthly Bills at	Present Ra	ates			Mon	hly Bills at P	roposed Ra	ates		Ch	ange in l	Monthly Bi			Unit C	Costs	
13	Use per		Winter			Summer			Winter			Summer		Win	ter	Sumr	ner	Curi	rent	Prop	osed
	Month	Base	COG/		Base	COG /		Base	COG /		Base	COG/									
14	(therms)	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
15																					
16	0	\$22.10	\$0.00	\$22.10	\$22.10	\$0.00	\$22.10	\$12.75	\$0.00	\$12.75	\$12.75	\$0.00	\$12.75	-\$9.35	-42.3%	-\$9.35		\$0.0000	\$0.0000	\$0.0000	\$0.0000
17	10	\$25.60	\$7.80	\$33.40	\$25.60	\$5.01	\$30.60	\$19.28	\$7.72	\$27.00	\$19.28	\$5.07	\$24.35	-\$6.40	-19.2%	-\$6.25		\$3.3397	\$3.0603	\$2.6996	\$2.4349
18	25	\$30.84	\$19.51	\$50.34	\$30.54	\$12.52	\$43.06	\$29.08	\$19.29	\$48.37	\$29.08	\$12.67	\$41.76	-\$1.97	-3.9%	-\$1.30	-3.0%	\$2.0137	\$1.7222	\$1.9349	\$1.6702
19	50	\$39.58	\$39.01	\$78.59	\$37.77	\$25.04	\$62.81	\$45.42	\$38.58	\$84.00	\$45.42	\$25.35	\$70.77	\$5.42	6.9%	\$7.96	12.7%	\$1.5717	\$1.2561	\$1.6800	\$1.4153
20	75	\$48.31	\$58.52	\$106.83	\$45.00	\$37.56	\$82.56	\$61.76	\$57.87	\$119.63	\$61.76	\$38.02	\$99.78	\$12.80	12.0%	\$17.22	20.9%	\$1.4244	\$1.1007	\$1.5951	\$1.3304
21	100	\$57.05	\$78.02	\$135.07	\$52.23	\$50.08	\$102.31	\$78.10	\$77.16	\$155.26	\$78.10	\$50.69	\$128.79	\$20.19	14.9%		25.9%	\$1.3507	\$1.0231	\$1.5526	\$1.2879
22	125	\$64.28	\$97.53	\$161.81	\$59.46	\$62.60	\$122.06	\$94.43	\$96.45	\$190.89	\$94.43	\$63.36	\$157.80	\$29.08	18.0%	\$35.74	29.3%	\$1.2944	\$0.9764	\$1.5271	\$1.2624
23	150	\$71.51	\$117.03	\$188.54	\$66.69	\$75.12	\$141.81	\$110.77	\$115.74	\$226.51	\$110.77	\$76.04	\$186.81	\$37.97	20.1%		31.7%	\$1.2569	\$0.9454	\$1.5101	\$1.2454
24	175	\$78.74	\$136.54	\$215.28	\$73.92	\$87.64	\$161.56	\$127.11	\$135.03	\$262.14	\$127.11	\$88.71	\$215.82	\$46.87	21.8%		33.6%		\$0.9232	\$1.4980	\$1.2333
25	200	\$85.97	\$156.04	\$242.01	\$81.15	\$100.16	\$181.31	\$143.45	\$154.32	\$297.77	\$143.45	\$101.38	\$244.83	\$55.76	23.0%		35.0%	\$1.2101	\$0.9065	\$1.4888	\$1.2241
26	225	\$93.20	\$175.55	\$268.75	\$88.38	\$112.68	\$201.06	\$159.78	\$173.61	\$333.40	\$159.78	\$114.06	\$273.84	\$64.65	24.1%	\$72.78	36.2%	\$1.1944	\$0.8936	\$1.4818	\$1.2171
27	250	\$100.43	\$195.05	\$295.48	\$95.61	\$125.20	\$220.81	\$176.12	\$192.90	\$369.03	\$176.12	\$126.73	\$302.85	\$73.55	24.9%		37.2%	\$1.1819	\$0.8832	\$1.4761	\$1.2114
28	275	\$107.66	\$214.56	\$322.22	\$102.84	\$137.72	\$240.56	\$192.46	\$212.19	\$404.65	\$192.46	\$139.40	\$331.86	\$82.44	25.6%	\$91.30	38.0%	\$1.1717	\$0.8747	\$1.4715	\$1.2068
29	300	\$114.89	\$234.06	\$348.95	\$110.07	\$150.24	\$260.31	\$208.80	\$231.48	\$440.28	\$208.80	\$152.07	\$360.87	\$91.33	-	\$100.57	38.6%	\$1.1632	\$0.8677	\$1.4676	\$1.2029
30	350	\$129.35	\$273.07	\$402.42	\$124.53	\$175.28	\$299.81	\$241.47	\$270.07	\$511.54	\$241.47	\$177.42		\$109.12		\$119.09	39.7%	\$1.1498	\$0.8566	\$1.4615	\$1.1968
31	400	\$143.81	\$312.08	\$455.89	\$138.99	\$200.32	\$339.31	\$274.15	\$308.65	\$582.79	\$274.15	\$202.77		\$126.90			40.6%	\$1.1397	\$0.8483	\$1.4570	\$1.1923
32	450	\$158.27	\$351.09	\$509.36	\$153.45	\$225.36	\$378.81	\$306.82	\$347.23	\$654.05	\$306.82	\$228.11		\$144.69		\$156.13		\$1.1319	\$0.8418	\$1.4534	\$1.1887
33 34	500 750	\$172.73	\$390.10 \$585.15	\$562.83 \$830.18	\$167.91 \$240.21	\$250.40	\$418.31	\$339.50 \$502.88	\$385.81	\$725.31	\$339.50 \$502.88	\$253.46 \$380.19	\$592.96 \$883.06	\$162.48		\$174.65 \$267.26		\$1.1257 \$1.1069	\$0.8366 \$0.8211	\$1.4506 \$1.4421	\$1.1859 \$1.1774
	1.000	\$245.03 \$317.33		\$030.10		\$375.60	\$615.81			\$1,081.59	\$666.25						43.4%				
35 36	1,000	\$317.33	\$700.20	\$1,097.55	\$312.51	\$500.80	\$813.31	\$666.25	\$771.61	\$1,437.87	φ000.20J	\$506.91	\$1,173.17	\$ <u>3</u> 40.34	31.0%	\$359.86	44.2%	\$1.0975	\$0.8133	\$1.4379	\$1.1732
37 Estimated Bill P	orcontiloc																				
38 Winter - 25%	60	\$43.07	\$46.81	\$89.88				\$51.96	\$46.30	\$98.25				\$8.37	9.3%			\$1.4980		\$1.6375	
39 Winter - 50%	100	\$57.05	\$78.02	\$135.07				\$78.10	\$77.16	\$155.26				\$20.19	14.9%			\$1.3507		\$1.5526	
40 Winter - 75%	175	\$78.74	\$136.54	\$215.28				\$127.11	\$135.03	\$262.14				\$46.87	21.8%			\$1.2301		\$1.4980	
41 Summer - 25%	12	φ, <u></u> ., <del>,</del>	ψ100.0 <del>1</del>	φ210.20	\$26.29	\$6.01	\$32.30	Ψ'21.11	ψ100.00	Ψ202.14	\$20.59	\$6.08	\$26.67	φ-+0.0 <i>1</i>	21.070	-\$5.63	-17 4%	ψ1.2001	\$2.6920	ψ1 <del>1</del> 000	\$2.2225
42 Summer - 50%	20				\$29.09	\$10.02	\$39.11				\$25.82	\$10.14	\$35.95			-\$3.15	-8.1%		\$1.9553		\$2.2223 \$1.7977
43 Summer - 75%	30				\$31.98	\$15.02	\$47.01				\$32.35	\$15.21	\$47.56			\$0.55	1.2%		\$1.5669		\$1.5853
-10 Cainoi 1070	50				φ01.00	ψ10.0Z	Ψ-71.01				\$52.00	ψ10.21	ψ-11.00			ψ0.00	1.2.70		ψ1.0000		ψ1.0000

Estimated Bill Percentiles per 2010 MCS

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# COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES RATE R-4 : LOW INCOME RESIDENTIAL HEATING

Present Rates	Winter	Summer	Proposed Rates	Winter	Sum
Cost of Gas	\$0.7162	\$0.4368	Cost of Gas	\$0.7051	\$0.4
LDAC	\$0.0640		LDAC	\$0.0665	
Customer charge	\$8.84		Customer charge	\$5.10	
Sales rate			Sales rate		
First Block Size	100	20	First Block Size	100	
Block 1	\$0.1398	\$0.1398	Block 1	\$0.2614	\$0.2
Block 2	\$0.1156	\$0.1156	Block 2	\$0.2614	\$0.2

11																					
12			Мо	nthly Bills at	Present Ra	ates			Mont	nly Bills at P	roposed Ra	ates		С	hange in	Monthly Bi			Unit (	Costs	
13	Use pe		Winter			Summer			Winter			Summer		Win	iter	Sum	ner	Cur	rent	Prop	osed
	Month	Base	COG /		Base	COG /		Base	COG /		Base	COG /									
14	(therms	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
15																					
16	0	\$8.84	+	\$8.84	\$8.84	\$0.00	\$8.84	\$5.10	\$0.00	\$5.10	\$5.10	\$0.00	\$5.10	-\$3.74	-42.3%	-\$3.74	-42.3%	\$0.0000	\$0.0000	\$0.0000	\$0.0000
17	10	\$10.24		\$18.04	\$10.24	\$5.01	\$15.25	\$7.71	\$7.72	\$15.43	\$7.71	\$5.07	\$12.78	-\$2.61	-14.5%	-\$2.46	-16.2%	\$1.8040	\$1.5246	\$1.5428	\$1.2781
18	25	\$12.34	\$19.51	\$31.84	\$12.21	\$12.52	\$24.73	\$11.63	\$19.29	\$30.92	\$11.63	\$12.67	\$24.31	-\$0.92	-2.9%	-\$0.43	-1.7%	\$1.2736	\$0.9894	\$1.2369	\$0.9722
19	50	\$15.83		\$54.84	\$15.10	\$25.04	\$40.14	\$18.17	\$38.58	\$56.75	\$18.17	\$25.35	\$43.51	\$1.91	3.5%	\$3.37	8.4%	\$1.0968	\$0.8029	\$1.1350	\$0.8703
20	75	\$19.33	+	\$77.84	\$17.99	\$37.56	\$55.55	\$24.70	\$57.87	\$82.57	\$24.70	\$38.02	\$62.72	\$4.73	6.1%	\$7.17	12.9%	\$1.0379	\$0.7407	\$1.1010	\$0.8363
21	100	\$22.82	\$78.02	\$100.84	\$20.88	\$50.08	\$70.96	\$31.24	\$77.16	\$108.40	\$31.24	\$50.69	\$81.93	\$7.56	7.5%	\$10.97	15.5%	\$1.0084	\$0.7096	\$1.0840	\$0.8193
22	125	\$25.71	\$97.53	\$123.24	\$23.77	\$62.60	\$86.37	\$37.77	\$96.45	\$134.23	\$37.77	\$63.36		\$10.99	8.9%	\$14.76	17.1%	\$0.9859	\$0.6910	\$1.0738	\$0.8091
23	150	\$28.60		\$145.63	\$26.66	\$75.12	\$101.78	\$44.31	\$115.74	\$160.05	\$44.31	\$76.04		\$14.42	9.9%	\$18.56	18.2%	\$0.9709	\$0.6786	\$1.0670	\$0.8023
24	175	\$31.49		\$168.03	\$29.55	\$87.64	\$117.19	\$50.84	\$135.03	\$185.88	\$50.84	\$88.71	\$139.55	\$17.85	10.6%	\$22.36	19.1%	\$0.9601	\$0.6697	\$1.0621	\$0.7974
25	200	\$34.38		\$190.42	\$32.44	\$100.16	\$132.60	\$57.38	\$154.32	\$211.70	\$57.38	\$101.38		\$21.28	11.2%	\$26.16	19.7%	\$0.9521	\$0.6630	\$1.0585	\$0.7938
26	225	\$37.27	\$175.55	\$212.82	\$35.33	\$112.68	\$148.01	\$63.91	\$173.61	\$237.53	\$63.91	\$114.06		\$24.71	11.6%	\$29.96	20.2%	\$0.9458	\$0.6578	\$1.0557	\$0.7910
27	250	\$40.16	+	\$235.21	\$38.22	\$125.20	\$163.42	\$70.45	\$192.90	\$263.35	\$70.45	\$126.73		\$28.14	12.0%	\$33.75	20.7%	\$0.9408	\$0.6537	\$1.0534	\$0.7887
28	275	\$43.05		\$257.61	\$41.11	\$137.72	\$178.83	\$76.98	\$212.19	\$289.18	\$76.98	\$139.40		\$31.57	12.3%	\$37.55	21.0%	\$0.9367	\$0.6503	\$1.0516	\$0.7869
29	300	\$45.94		\$280.00	\$44.00	\$150.24	\$194.24	\$83.52	\$231.48	\$315.00	\$83.52	\$152.07	\$235.59	\$35.00	12.5%	\$41.35	21.3%	\$0.9333	\$0.6475	\$1.0500	\$0.7853
30	350	\$51.72	\$273.07	\$324.79	\$49.78	\$175.28	\$225.06	\$96.59	\$270.07	\$366.65	\$96.59	\$177.42	\$274.01	\$41.86	12.9%	\$48.95	21.7%	\$0.9280	\$0.6430	\$1.0476	\$0.7829
31	400	\$57.50 \$63.28		\$369.58	\$55.56	\$200.32	\$255.88	\$109.66	\$308.65	\$418.30	\$109.66	\$202.77	\$312.42	\$48.72	13.2%	\$56.54	22.1%	\$0.9240	\$0.6397	\$1.0458	\$0.7811
32	450 500	\$63.28	+	\$414.37 \$450.16	\$61.34	\$225.36	\$286.70	\$122.73	\$347.23 \$385.81	\$469.96	\$122.73	\$228.11	\$350.84 \$389.26	\$55.59	13.4% 13.6%	\$64.14	22.4%	\$0.9208	\$0.6371	\$1.0443	\$0.7796 \$0.7785
33	500 750	\$69.06		\$459.16	\$67.12 \$96.02	\$250.40	\$317.52	\$135.80 \$201.15		\$521.61 \$779.86	\$135.80	\$253.46 \$380.19		\$62.45		\$71.73	22.6%	\$0.9183	\$0.6350	\$1.0432	
34 35	1.000	\$97.96		\$683.11 \$907.06	\$90.02	\$375.60 \$500.80	\$471.62 \$625.72	\$266.50	\$578.71 \$771.61	\$1,038.12	\$201.15 \$266.50	\$506.91	\$773.42	\$96.75	14.2% 14.4%	\$109.71	23.3% 23.6%	\$0.9108 \$0.9071	\$0.6288 \$0.6257	\$1.0398	\$0.7751
35 36	1,000	φ120.00	\$780.20	\$907.00	φ124.9Z	\$000.00	φ020.72	φ200.00	<b>ͽ//</b> Ι.0Ι	φ1,030.1Z	φ200.00	\$200.9T	\$113.4Z	\$131.00	14.4%	\$147.69	23.0%	\$0.907 I	<b>Φ</b> 0.0257	\$1.0381	\$0.7734
	Estimated Bill Per	antilaa																			
57	Winter -	entiles															-				
38	25% 70	\$18.63	\$54.61	\$73.24				\$23.40	\$54.01	\$77.41				\$4.17	5.7%			\$1.0463		\$1,1058	
00	Winter -	φ10.00	ψ04.01	ψ10.2 <del>-</del>				ψ20.40	φ04.01	Ψ11.41				ψ4.17	0.1 /0			ψ1.0400		φ1.1000	
30	50% 100	\$22.82	\$78.02	\$100.84				\$31.24	\$77.16	\$108.40				\$7.56	7.5%			\$1.0084		\$1.0840	
55	Winter -	ΨΖΖ.ΟΖ	φr0.02	φ100.0 <del>4</del>				ψ01.24	φ11.10	\$100.40				φ1.50	1.570			φ1.0004		φ1.0040	
40	75% 150	\$28.60	\$117.03	\$145.63				\$44.31	\$115.74	\$160.05				\$14.42	9.9%			\$0.9709		\$1.0670	
40	Summer -	φ20.00	φ117.00	φ140.00				ψ01	ψ110.74	φ100.00				ψ14.42	0.070			ψ0.5705		ψ1.0070	
41	25% 14				\$10.80	\$7.01	\$17.81				\$8.76	\$7.10	\$15.85			_\$1.95	-11.0%		\$1.2720		\$1.1325
71	Summer -				φ10.00	φ1.01	φ17.01				φ0.10	φ1.10	φ10.00			-ψ1.00	-11.070		ψ1.2720		ψ1.1020
42	50% 25				\$12.21	\$12.52	\$24.73				\$11.63	\$12.67	\$24.31			-\$0.43	-1.7%		\$0.9894		\$0.9722
-12	Summer -				ф. <u> </u>	ψ12.0Z	Ψ2-1.70				÷	ψ12.01	Ψ2-1.01			ψ0τ0	1.7 70		ψ0.000 <del>1</del>		Ψ0.07 EE
43	75% 40				\$13.95	\$20.03	\$33.98				\$15.55	\$20.28	\$35.83			\$1.85	5.4%		\$0.8495		\$0.8958

Estimated Bill Percentiles per 2010 MCS

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#### COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES RATE G-41 : COMMERCIAL/INDUSTRIAL - LOW ANNUAL USE, HIGH WINTER USE

Present Rates	Winter	Summer	Proposed Rates	Winter	Summer
Cost of Gas	\$0.7121	\$0.4206	Cost of Gas	\$0.7010	\$0.424
LDAC	\$0.0450		LDAC	\$0.0475	
Customer charge	\$48.36		Customer charge	\$35.00	
Sales rate			Sales rate		
First Block Size	100	20	First Block Size	100	2
Block 1	\$0.3965	\$0.3965	Block 1	\$0.5977	\$0.597
Block 2	\$0.2663	\$0.2663	Block 2	\$0.4806	\$0.480

10																					
12			Mor	thly Bills at	Present Ra	tes			Mont	hlv Bills at F	Proposed R	ates		C	hange in N	Monthly Bill			Unit C	Costs	1
13	Use per		Winter			Summer			Winter			Summer		Win		Sum	mer	Cur		Prop	osed
	Month	Base	COG /		Base	COG /		Base	COG /		Base	COG /								· · · · ·	
14	(therms)	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
15																					
16	0	\$48	\$0	\$48	\$48	\$0	\$48	\$35	\$0	\$35	\$35	\$0	\$35	-\$13.36	-27.6%	-\$13.36	-27.6%	\$0.0000	\$0.0000	\$0.0000	\$0.0000
17	10	\$52	\$8	\$60	\$52	\$5	\$57	\$41	\$7	\$48	\$41	\$5	\$46	-\$11.43	-19.1%	-\$11.28	-19.8%	\$5.9896	\$5.6981	\$4.8465	\$4.5697
18	25	\$58	\$19	\$77	\$58	\$12	\$69	\$50	\$19	\$69	\$49	\$12	\$61	-\$8.54	-11.1%	-\$8.11	-11.7%	\$3.0880	\$2.7705	\$2.7464	\$2.4461
19	50	\$68	\$38	\$106	\$64	\$23	\$88	\$65	\$37	\$102	\$61	\$24	\$85	-\$3.73		-\$2.60	-3.0%	\$2.1208	\$1.7512	\$2.0463	\$1.6992
20	75	\$78	\$57	\$135	\$71	\$35	\$106	\$80	\$56	\$136	\$73	\$35	\$109	\$1.09	0.8%	\$2.91	2.7%	\$1.7984	\$1.4114	\$1.8129	\$1.4502
21	100	\$88	\$76	\$164	\$78	\$47	\$124	\$95	\$75	\$170	\$85	\$47	\$133	\$5.91	3.6%	\$8.42	6.8%	\$1.6372	\$1.2415	\$1.6963	\$1.3257
22	150	\$101	\$114	\$215	\$91	\$70	\$161	\$119	\$112	\$231	\$109	\$71	\$180	\$16.19	7.5%	\$19.44	12.1%	\$1.4326	\$1.0717	\$1.5405	\$1.2012
23	200	\$115	\$151	\$266	\$104	\$93	\$197	\$143	\$150	\$293	\$133	\$94	\$228	\$26.47	10.0%	\$30.46	15.4%	\$1.3303	\$0.9867	\$1.4627	\$1.1390
24	250	\$128	\$189	\$317	\$118	\$116	\$234	\$167	\$187	\$354	\$157	\$118	\$275	\$36.76	11.6%	\$41.48	17.7%	\$1.2689	\$0.9358	\$1.4160	\$1.1017
25	300	\$141	\$227	\$368	\$131	\$140	\$271	\$191	\$225	\$415	\$182	\$142	\$323	\$47.04	12.8%	\$52.49	19.4%	\$1.2280	\$0.9018	\$1.3848	\$1.0768
26	350	\$155	\$265	\$420	\$144	\$163	\$307	\$215	\$262	\$477	\$206	\$165	\$371	\$57.32	13.7%	\$63.51	20.7%	\$1.1988	\$0.8775	\$1.3626	\$1.0590
27	400	\$168	\$303	\$471	\$157	\$186	\$344	\$239	\$299	\$538	\$230	\$189	\$418	\$67.61	14.4%	\$74.53	21.7%	\$1.1769	\$0.8593	\$1.3459	\$1.0456
28	500	\$195	\$379	\$573	\$184	\$233	\$417	\$287	\$374	\$661	\$278	\$236	\$513	\$88.18	15.4%	\$96.57	23.2%	\$1.1462	\$0.8338	\$1.3225	\$1.0270
29	600	\$221	\$454	\$675	\$211	\$279	\$490	\$335	\$449	\$784	\$326	\$283	\$609	\$108.74	16.1%	\$118.61	24.2%	\$1.1257	\$0.8168	\$1.3069	\$1.0145
30	700	\$248	\$530	\$778	\$237	\$326	\$563	\$383	\$524	\$907	\$374	\$330	\$704	\$129.31	16.6%	\$140.64	25.0%	\$1.1111	\$0.8047	\$1.2958	\$1.0056
31	800	\$274	\$606	\$880	\$264	\$372	\$636	\$431	\$599	\$1,030	\$422	\$377	\$799	\$149.88	17.0%	\$162.68	25.6%	\$1.1001	\$0.7956	\$1.2875	\$0.9990
32	900	\$301	\$681	\$982	\$291	\$419	\$710	\$479	\$674	\$1,153	\$470	\$425	\$894	\$170.45	17.3%	\$184.72	26.0%	\$1.0916	\$0.7885	\$1.2810	\$0.9938
33	1,000	\$328	\$757	\$1,085	\$317	\$466	\$783	\$527	\$749	\$1,276	\$518	\$472	\$990	\$191.01	17.6%	\$206.76	26.4%	\$1.0848	\$0.7829	\$1.2758	\$0.9896
34	1,250	\$394	\$946	\$1,341	\$384	\$582	\$966	\$647	\$936	\$1,583	\$638	\$590	\$1,228	\$242.43	18.1%	\$261.85	27.1%	\$1.0725	\$0.7727	\$1.2664	\$0.9821
35	1,500	\$461	\$1,136	\$1,596	\$450	\$698	\$1,149	\$768	\$1,123	\$1,890	\$758	\$708	\$1,466	\$293.85	18.4%	\$316.94	27.6%	\$1.0643	\$0.7659	\$1.2602	\$0.9772
36	Estimated Bill Perce																				
37	Winter -	ntiles																			
38	25% 70	\$76	\$53	\$129				\$77	\$52	\$129				\$0.13	0.1%			\$1.8445		\$1.8463	
30	Winter -	<i>\$</i> 70	<b></b> \$00	φ129				φ//	\$0Z	φ129				φ <b>0.1</b> 3	0.1%			φ1.0440		φ1.0403	
39	50% 200	\$115	\$151	\$266				\$143	\$150	\$293				\$26.47	10.0%			\$1.3303		\$1.4627	
39	Winter -	ψ115	φισι	\$200				ψ143	φ150	φ293				φ20.47	10.070			φ1.5505		φ1.4027	
40	75% 500	\$195	\$379	\$573				\$287	\$374	\$661				\$88.18	15.4%			\$1.1462		\$1.3225	
40	Summer -	ψ135	<i>4319</i>	\$575				Ψ207	φ374	φυσι				φ00.10	13.470			φ1.1402		φ1.3223	
41	25% 0				\$48	\$0	\$48				\$35	\$0	\$35			-\$13.36	-27.6%		\$0.0000		\$0.0000
	Summer -				ψ-ŦU	φυ	φ+0				ψ00	φυ	ψυυ			-915.50	21.070		ψ0.0000	(	ψ0.0000
42	50% 8				\$52	\$4	\$55				\$40	\$4	\$44			-\$11.70	-21.2%		\$6.9071	(	\$5.4448
	Summer -				ΨŪΞ	ψ÷	ψυυ				<b>\$</b>	ΨŦ	Ψ			φ11.70	2270		\$0.007 I		<b>\$</b> 5.1110
43	75% 45				\$63	\$21	\$84				\$59	\$21	\$80			-\$3.70	-4.4%		\$1.8644		\$1.7822

Estimated Bill Percentiles per 2010 MCS

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#### COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES RATE G-42 : COMMERCIAL/INDUSTRIAL - MEDIUM ANNUAL USE, HIGH WINTER USE

Present Rates	Winter	Summer	Proposed Rates	Winter	Summe
Cost of Gas	\$0.7121	\$0.4206	Cost of Gas	\$0.7010	\$0.4242
LDAC	\$0.0450		LDAC	\$0.0475	
Customer charge	\$145.08		Customer charge	\$100.00	
Sales rate			Sales rate		
First Block Size	1000	400	First Block Size	1000	400
Block 1	\$0.3606	\$0.3606	Block 1	\$0.4672	\$0.4672
Block 2	\$0.2402	\$0.2402	Block 2	\$0.4055	\$0.405

11																					
12			Mor	hthly Bills a	t Present R	ates			Monthly	Bills at Pro	posed R	ates		Ch	ange in l	Monthly Bi	11		Unit (	Costs	
13	Use per		Winter			Summer			Winter			Summer		Win	<u> </u>	Sum		Curi		Propo	osed
	Month	Base	COG /		Base	COG/		Base	COG/		Base	COG /									
14	(therms)	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
15																					
16	0	\$145	\$0	\$145	\$145	\$0	\$145	\$100	\$0	\$100	\$100	\$0	\$100	-\$45.08	-31.1%				\$0.0000	\$0.0000	\$0.0000
17	10	\$149	\$8	\$156	\$149	\$5	\$153	\$105	\$7	\$112	\$105	\$5	\$109	-\$44.10	-28.2%			\$15.6257			\$10.9393
18	25	\$154	\$19	\$173	\$154	\$12	\$166	\$112	\$19	\$130	\$112	\$12	\$123	-\$42.63	-24.6%	-\$42.26	-25.5%	\$6.9209	\$6.6294	\$5.2159	\$4.9391
19	50	\$163	\$38	\$201	\$163	\$23	\$186	\$123	\$37	\$161	\$123	\$24	\$147	-\$40.17	-20.0%			\$4.0193	\$3.7278	\$3.2158	\$2.9390
20	75	\$172	\$57	\$229	\$172	\$35	\$207	\$135	\$56	\$191	\$135	\$35	\$170	-\$37.72	-16.5%		-17.7%	\$3.0521	\$2.7606	\$2.5491	\$2.2723
21	100	\$181	\$76	\$257	\$181	\$47	\$228	\$147	\$75	\$222	\$147	\$47	\$194	-\$35.27	-13.7%		-14.8%	\$2.5685	\$2.2770	\$2.2158	\$1.9390
22	150	\$199	\$114	\$313	\$199	\$70	\$269	\$170	\$112	\$282	\$170	\$71	\$241	-\$30.37	-9.7%		-10.5%	\$2.0849	\$1.7934	\$1.8824	\$1.6056
23	200	\$217	\$151	\$369	\$217	\$93	\$310	\$193	\$150	\$343	\$193	\$94	\$288	-\$25.47	-6.9%		-7.3%		\$1.5516	\$1.7158	\$1.4390
24	250	\$235	\$189	\$425	\$235	\$116	\$352	\$217	\$187	\$404	\$217	\$118	\$335	-\$20.57	-4.8%		-4.8%	\$1.6980	\$1.4065	\$1.6158	\$1.3390
25	300	\$253	\$227	\$480	\$253 \$271	\$140	\$393	\$240 \$264	\$225	\$465	\$240	\$142	\$382	-\$15.66	-3.3%	-\$11.25	-2.9%	\$1.6013	\$1.3098	\$1.5491	\$1.2723
26	350	\$271	\$265	\$536		\$163	\$434		\$262	\$526	\$264	\$165	\$429	-\$10.76	-2.0%	-\$5.62	-1.3%	\$1.5322	\$1.2407	\$1.5015	\$1.2247
27	400 500	\$289 \$325	\$303 \$379	\$592 \$704	\$289 \$313	\$186 \$233	\$476 \$546	\$287 \$334	\$299 \$374	\$586 \$708	\$287 \$327	\$189 \$236	\$476 \$563	-\$5.86 \$3.95	-1.0% 0.6%	\$0.02 \$17.16	0.0% 3.1%	\$1.4804 \$1.4079	\$1.1889 \$1.0923	\$1.4658	\$1.1890 \$1.1266
28 29	500 750	\$325 \$416	\$379 \$568	\$704 \$983	\$373	\$233 \$349	\$546 \$723	\$334 \$450	\$561	\$708 \$1,012	\$327 \$429	\$230 \$354	\$563 \$783	\$3.95 \$28.46	0.0% 2.9%	\$17.10	3.1% 8.3%		\$0.9635	\$1.4158 \$1.3491	\$1.1200 \$1.0435
30	1,000	\$506	\$308 \$757	\$963	\$433 \$433	\$349 \$466	\$899	\$567	\$749	\$1,012	\$429 \$530	\$354 \$472	\$1,002	\$20.40 \$52.97		\$102.87	11.4%		\$0.8990	\$1.3491	\$1.0435 \$1.0019
31	1,500	\$626	\$1,136	\$1,203	\$554	\$400 \$698	\$099 \$1,252	\$770	\$1,123	\$1,893	\$733	\$472 \$708		\$131.33		\$102.67	15.1%	\$1.1743	\$0.8346	\$1.2618	\$0.9603
32	2,000	\$020 \$746	\$1,130	\$2,260	\$674	\$931	\$1,605	\$973	\$1,497	\$1,893	\$936	\$708 \$943	\$1,441 \$1.879		-	\$274.29	17.1%	\$1.1743	\$0.8024	\$1.2349	\$0.9003 \$0.9396
33	3,000	\$986	\$2,271	\$3,257	\$914	\$1,397	\$2,311	\$1,378	\$2,246	\$3,624		\$1,415		\$366.41		\$445.71	19.3%	\$1.0858	\$0.7702	\$1.2079	\$0.9380 \$0.9188
34	4.000	\$1.226	\$3,028	\$4,255	\$1.154	\$1.862	\$3,016	\$1,784	\$2,994	\$4.778		\$1.887	. ,	\$523.12		\$617.13	20.5%	\$1.0637	\$0.7541	\$1.1945	\$0.9084
35	5.000	\$1,466	\$3,786	\$5,252	\$1,394	\$2,328	\$3,722	\$2,189	\$3,743	\$5,932		\$2.359	1 - 7	\$679.84	-	\$788.55	21.2%	\$1.0504	\$0.7444	\$1.1864	\$0.9022
36	0,000	ψ1,100	ψ0,100	ψ0,202	ψ1,001	Ψ <u>2</u> ,0 <u>2</u> 0	ψ0,1 ZZ	φ <u>2</u> ,100	φ0,140	ψ0,002	ψ <u></u> , ισ <u></u>	φ2,000	ψ4,011	φ010.04	12.070	φ100.00	21.270	ψ1.0004	ψ0.1444	ψ1.100+]	\$0.0022
37 Estimated Bill P	ercentiles																				
38 Winter - 25%	1,300	\$578	\$984	\$1,562				\$689	\$973	\$1,662				\$99.98	6.4%			\$1.2015		\$1.2784	
39 Winter - 50%	2,000	\$746	\$1,514	\$2,260				\$973	\$1,497	\$2,470				\$209.69	9.3%			\$1.1300		\$1.2349	
40 Winter - 75%	3,500	\$1,106	\$2,650	\$3,756				\$1,581	\$2,620	\$4,201				\$444.76	11.8%			\$1.0732		\$1.2002	
41 Summer - 25%	45			,	\$161	\$21	\$182		, i	ŗ	\$121	\$21	\$142			-\$40.00	-21.9%		\$4.0502		\$3.1612
42 Summer - 50%	350				\$271	\$163	\$434				\$264	\$165	\$429			-\$5.62	-1.3%		\$1.2407		\$1.2247
43 Summer - 75%	750				\$373	\$349	\$723				\$429	\$354	\$783			\$60.02	8.3%		\$0.9635		\$1.0435

Estimated Bill Percentiles per 2010 MCS

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#### COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES RATE G-43 : COMMERCIAL/INDUSTRIAL - HIGH ANNUAL USE, HIGH WINTER USE

Present Rates	Winter	Summer	Proposed Rates	Winter	Summer
Cost of Gas	\$0.7121	\$0.4206	Cost of Gas	\$0.7010	\$0.4242
DAC	\$0.0450		LDAC	\$0.0475	
Customer charge	\$622.61		Customer charge	\$400.00	
Sales rate			Sales rate		
First Block Size	0	0	First Block Size	0	0
Block 1	\$0.2216	\$0,1013	Block 1	\$0.3196	\$0.1461
Block 2	\$0.2216	\$0.1013	Block 2	\$0.3196	\$0.1461

10																						
11 12		Г		Mon	thly Bills at	Present Ra	tes			Mon	thlv Bills at F	Proposed R	ates		C	hange in l	Monthly Bill			Unit C	osts	
13	U	Jse per		Winter	, 2 ut		Summer			Winter	, <b>D</b> e at 1		Summer		Wint		Sumr	ner	Cun		Prop	osed
		Month	Base	COG /		Base	COG /		Base	COG /		Base	COG /						Jui			
14	(t	herms)	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
15		· ·																				
16		200	\$667	\$151	\$818	\$643	\$93	\$736	\$464	\$150	\$614	\$429	\$94	\$524	-\$204.72	-25.0%	-\$212.43	-28.9%	\$4.0918	\$3.6800	\$3.0681	\$2.6178
17		500	\$733	\$379	\$1,112	\$673	\$233	\$906	\$560	\$374	\$934	\$473	\$236	\$709	-\$177.88	-16.0%	-\$197.15	-21.8%	\$2.2239	\$1.8121	\$1.8682	\$1.4178
18		1,000	\$844	\$757	\$1,601	\$724	\$466	\$1,190	\$720	\$749	\$1,468	\$546	\$472	\$1,018	-\$133.15	-8.3%	-\$171.68	-14.4%	\$1.6013	\$1.1895	\$1.4682	\$1.0178
19		1,250	\$900	\$946	\$1,846	\$749	\$582	\$1,331	\$800	\$936	\$1,735	\$583	\$590	\$1,172	-\$110.79	-6.0%	-\$158.95	-11.9%	\$1.4768	\$1.0650	\$1.3882	\$0.9378
20		1,500	\$955	\$1,136	\$2,091	\$775	\$698	\$1,473	\$879	\$1,123	\$2,002	\$619	\$708	\$1,327	-\$88.42	-4.2%	-\$146.21	-9.9%	\$1.3938	\$0.9820	\$1.3348	\$0.8845
21		1,750	\$1,010	\$1,325	\$2,335	\$800	\$815	\$1,615	\$959	\$1,310	\$2,269	\$656	\$826	\$1,481	-\$66.06	-2.8%	-\$133.48	-8.3%	\$1.3345	\$0.9227	\$1.2967	\$0.8464
22		2,000	\$1,066	\$1,514	\$2,580	\$825	\$931	\$1,756	\$1,039	\$1,497	\$2,536	\$692	\$943	\$1,636	-\$43.69	-1.7%	-\$120.75	-6.9%	\$1.2900	\$0.8782	\$1.2682	\$0.8178
23		2,500	\$1,177	\$1,893	\$3,069	\$876	\$1,164	\$2,040	\$1,199	\$1,871	\$3,070	\$765	\$1,179	\$1,945	\$1.04	0.0%	-\$95.28	-4.7%	\$1.2277	\$0.8159	\$1.2282	\$0.7778
24		3,000	\$1,287	\$2,271	\$3,559	\$927	\$1,397	\$2,323	\$1,359	\$2,246	\$3,604	\$838	\$1,415	\$2,253	\$45.77	1.3%	-\$69.81	-3.0%	\$1.1862	\$0.7744	\$1.2015	\$0.7512
25		3,500	\$1,398	\$2,650	\$4,048	\$977	\$1,630	\$2,607	\$1,519	\$2,620	\$4,139	\$911	\$1,651	\$2,562	\$90.50	2.2%	-\$44.34	-1.7%	\$1.1566	\$0.7448	\$1.1824	\$0.7321
26		4,000	\$1,509	\$3,028	\$4,537	\$1,028	\$1,862	\$2,890	\$1,679	\$2,994	\$4,673	\$984	\$1,887	\$2,871	\$135.23	3.0%	-\$18.88	-0.7%	\$1.1344	\$0.7226	\$1.1682	\$0.7178
27		4,500	\$1,620	\$3,407	\$5,027	\$1,078	\$2,095	\$3,174	\$1,838	\$3,368	\$5,207	\$1,058	\$2,123	\$3,180	\$179.96	3.6%	\$6.59	0.2%	\$1.1171	\$0.7053	\$1.1570	\$0.7067
28		5,000	\$1,731	\$3,786	\$5,516	\$1,129	\$2,328	\$3,457	\$1,998	\$3,743	\$5,741	\$1,131	\$2,359	\$3,489	\$224.69	4.1%	\$32.06	0.9%	\$1.1032	\$0.6914	\$1.1482	\$0.6978
29		6,000	\$1,952	\$4,543	\$6,495	\$1,230	\$2,794	\$4,024	\$2,318	\$4,491	\$6,809	\$1,277	\$2,830	\$4,107	\$314.15	4.8%	\$82.99	2.1%	\$1.0825	\$0.6707	\$1.1348	\$0.6845
30		7,000	\$2,174	\$5,300	\$7,474	\$1,332	\$3,259	\$4,591	\$2,638	\$5,240	\$7,877	\$1,423	\$3,302	\$4,725	\$403.61	5.4%	\$133.93	2.9%	\$1.0676	\$0.6558	\$1.1253	\$0.6750
31		8,000	\$2,395	\$6,057	\$8,452	\$1,433	\$3,725	\$5,158	\$2,957	\$5,988	\$8,945	\$1,569	\$3,774	\$5,343	\$493.08	5.8%	\$184.86	3.6%	\$1.0565	\$0.6447	\$1.1182	\$0.6678
32		9,000	\$2,617	\$6,814	\$9,431	\$1,534	\$4,190	\$5,725	\$3,277	\$6,737	\$10,013	\$1,715	\$4,245	\$5,961	\$582.54	6.2%	\$235.80	4.1%	\$1.0479	\$0.6361	\$1.1126	\$0.6623
33		10,000	\$2,839	\$7,571	\$10,410	\$1,636	\$4,656	\$6,292	\$3,596	\$7,485	\$11,082	\$1,861	\$4,717	\$6,578	\$672.00	6.5%	\$286.73	4.6%	\$1.0410	\$0.6292	\$1.1082	\$0.6578
34		15,000	\$3,947	\$11,357	\$15,303	\$2,142	\$6,984	\$9,126	\$5,195	\$11,228	\$16,422	\$2,592	\$7,076		\$1,119.30	7.3%	\$541.40	5.9%	\$1.0202	\$0.6084	\$1.0948	\$0.6445
35	2	20,000	\$5,055	\$15,142	\$20,197	\$2,649	\$9,312	\$11,961	\$6,793	\$14,970	\$21,763	\$3,322	\$9,434	\$12,757	\$1,566.61	7.8%	\$796.08	6.7%	\$1.0098	\$0.5980	\$1.0882	\$0.6378
36	Estimated Bil																					
37	Winter -	n Percen	tiles																			
38		9.000	\$2,617	\$6,814	\$9,431				\$3,277	\$6,737	\$10,013				\$582.54	6.2%			\$1.0479		\$1.1126	
30	Winter -	9,000	φ2,017	<b>φ</b> 0,014	\$9,43T				φ3,211	φ0, <i>1 31</i>	\$10,013				φ00Z.04	0.270			\$1.0479		φ1.1120	
39		15.000	\$3,947	\$11,357	\$15,303				\$5.195	\$11,228	\$16,422				\$1,119.30	7.3%			\$1.0202		\$1.0948	
39	Winter -	3,000	ψ0,047	φ11,337	\$15,505				ψ0,100	φ11,220	φ10, <del>4</del> 22				φ1,119.30	1.370			φ1.0202		φ1.0940	
40		25,000	\$6,163	\$18.928	\$25.090				\$8,391	\$18.713	\$27.104				\$2.013.92	8.0%			\$1.0036		\$1.0842	
40	Summer -	3,000	ψ0,100	φ10,920	φ23,090				ψ0,001	φ10,713	φ <i>21</i> ,104				φ2,013.92	0.070			\$1.0030		φ1.00 <del>4</del> 2	
41		450				\$668	\$210	\$878				\$466	\$212	\$678			-\$199.69	-22.8%		\$1.9505		\$1.5067
41	Summer -	-30				ψυυυ	φ <b>2</b> 10	φυίο				ψ <del>-</del> 00	<i>φ</i> 212	φ070			-9199.09	-22.070		φ1.8505		φ1.3007
42		3.500				\$977	\$1,630	\$2,607				\$911	\$1,651	\$2,562			-\$44.34	-1.7%		\$0,7448		\$0.7321
42	Summer -	5,500				ψστη	ψ1,030	ψ2,007				ψστι	ψ1,051	ψ2,302			- <del>44.34</del>	-1.770		ψ0.7440		ψ0.7 JZ I
43		10,000				\$1,636	\$4,656	\$6,292				\$1,861	\$4,717	\$6,578			\$286.73	4.6%		\$0.6292		\$0.6578

Estimated Bill Percentiles per 2010 MCS

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#### COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES RATE G-51 : COMMERCIAL/INDUSTRIAL - LOW ANNUAL USE, LOW WINTER USE

Present Rates	Winter	Summer	Proposed Rates	Winter	Summe
Cost of Gas	\$0.7305	\$0.4574	Cost of Gas	\$0.7194	\$0.461
LDAC	\$0.0450		LDAC	\$0.0475	
Customer charge	\$48.36		Customer charge	\$35.00	
Sales rate			Sales rate		
First Block Size	100	100	First Block Size	100	10
Block 1	\$0.2390	\$0.2390	Block 1	\$0.3146	\$0.314
Block 2	\$0.1553	\$0.1553	Block 2	\$0.2616	\$0.261

10																						
11 12		Г		Mon	thly Bills at	Present Ra	tes	I		Mont	hlv Bills at F	Proposed R	ates		(	hange in M	Aonthly Bill			Unit C	Costs	
13	Use	ber		Winter	any billo at		Summer			Winter			Summer		Win		Sum	mer	Cur		Prop	osed
	Mor		Base	COG /		Base	COG /		Base	COG /		Base	COG /									
14	(therr		Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
15	,	í -																				
16	0		\$48	\$0	\$48	\$48	\$0	\$48	\$35	\$0	\$35	\$35	\$0	\$35	-\$13.36	-27.6%	-\$13.36	-27.6%	\$0.0000	\$0.0000	\$0.0000	\$0.0000
17	10		\$51	\$8	\$59	\$51	\$5	\$56	\$38	\$8	\$46	\$38	\$5	\$43	-\$12.69	-21.7%	-\$12.54	-22.5%	\$5.8505	\$5.5774	\$4.5818	\$4.3234
18	25		\$54	\$19	\$74	\$54	\$13	\$67	\$43	\$19	\$62	\$43	\$13	\$56	-\$11.68	-15.8%	-\$11.32	-16.9%	\$2.9489	\$2.6758	\$2.4816	\$2.2232
19	50		\$60	\$39	\$99	\$60	\$25	\$85	\$51	\$38	\$89	\$51	\$25	\$76	-\$10.01	-10.1%	-\$9.27	-10.9%	\$1.9817	\$1.7086	\$1.7815	\$1.5231
20	75		\$66	\$58	\$124	\$66	\$38	\$104	\$59	\$58	\$116	\$59	\$38	\$97	-\$8.33	-6.7%	-\$7.23	-7.0%	\$1.6593	\$1.3862	\$1.5482	\$1.2898
21	100	)	\$72	\$78	\$150	\$72	\$50	\$123	\$66	\$77	\$143	\$66	\$51	\$117	-\$6.66	-4.4%	-\$5.19	-4.2%	\$1.4981	\$1.2250	\$1.4315	
22	150		\$80	\$116	\$196	\$80	\$75	\$155	\$80	\$115	\$195	\$80	\$76	\$156	-\$1.77	-0.9%	\$0.43	0.3%	\$1.3090	\$1.0359	\$1.2972	
23	200		\$88	\$155	\$243	\$88	\$100	\$188	\$93	\$153	\$246	\$93	\$102	\$194	\$3.11	1.3%	\$6.05	3.2%	\$1.2145	\$0.9414	\$1.2300	\$0.9716
24	250		\$96	\$194	\$289	\$96	\$126	\$221	\$106	\$192	\$297	\$106	\$127	\$233	\$7.99	2.8%	\$11.67	5.3%	\$1.1577	\$0.8846	\$1.1897	\$0.9313
25	300		\$103	\$233	\$336	\$103	\$151	\$254	\$119	\$230	\$349	\$119	\$153	\$271	\$12.88	3.8%	\$17.29	6.8%	\$1.1199	\$0.8468	\$1.1628	\$0.9044
26	350		\$111	\$271	\$383	\$111	\$176	\$287	\$132	\$268	\$400	\$132	\$178	\$310	\$17.76	4.6%	\$22.91	8.0%	\$1.0929	\$0.8198	\$1.1436	\$0.8852
27	400		\$119	\$310	\$429	\$119	\$201	\$320	\$145	\$307	\$452	\$145	\$203	\$348	\$22.65	5.3%	\$28.53	8.9%	\$1.0726	\$0.7995	\$1.1292	\$0.8708
28	500		\$134	\$388	\$522	\$134	\$251	\$386	\$171	\$383	\$555	\$171	\$254	\$425	\$32.42	6.2%	\$39.77	10.3%	\$1.0443	\$0.7712	\$1.1091	\$0.8507
29	600		\$150	\$465	\$615	\$150	\$301	\$451	\$197	\$460	\$657	\$197	\$305	\$502	\$42.19	6.9%	\$51.01	11.3%	\$1.0254	\$0.7523	\$1.0957	\$0.8373
30	700		\$165	\$543	\$708	\$165	\$352	\$517	\$223	\$537	\$760	\$223	\$356	\$579	\$51.95	7.3%	\$62.24	12.0%	\$1.0118	\$0.7387	\$1.0861	\$0.8277
31	800		\$181	\$620	\$801	\$181	\$402	\$583	\$250	\$614	\$863	\$250	\$407	\$656	\$61.72	7.7%	\$73.48	12.6%	\$1.0017	\$0.7286	\$1.0789	\$0.8205
32	900		\$197	\$698	\$894	\$197	\$452	\$649	\$276	\$690	\$966	\$276	\$458	\$733	\$71.49	8.0%	\$84.72	13.1%	\$0.9938	\$0.7207	\$1.0733	\$0.8149
33	1,00		\$212	\$776	\$988	\$212	\$502	\$714	\$302	\$767	\$1,069	\$302	\$509	\$810	\$81.26	8.2%	\$95.96	13.4%	\$0.9875	\$0.7144	\$1.0688	\$0.8104
34	1,25		\$251	\$969	\$1,220	\$251	\$628	\$879	\$367	\$959	\$1,326	\$367	\$636	\$1,003		8.7%	\$124.06	14.1%	\$0.9762	\$0.7031	\$1.0607	\$0.8023
35	1,50		\$290	\$1,163	\$1,453	\$290	\$754	\$1,043	\$433	\$1,150	\$1,583	\$433	\$763	\$1,195	\$130.11	9.0%	\$152.16	14.6%	\$0.9686	\$0.6955	\$1.0554	\$0.7970
36 37	Estimated Bill Pe																					
31	Winter -	rcein	liles																			
38	25% 45		\$59	\$35	\$94				\$49	\$35	\$84				-\$10.34	-11.0%			\$2.0892		\$1.8593	
50	Winter -	' I	\$J5	φυυ	<b>4</b> 54				φ <del>4</del> 9	φ00	φ04				-910.34	-11.070			φ2.0092		φ1.0595	
39	50% 17	5	\$84	\$136	\$220				\$86	\$134	\$220				\$0.67	0.3%			\$1.2550		\$1.2588	
39	Winter -	5	404	φ130	φ220				<b>400</b>	φ134	φ220				φ0.07	0.370			φ1.2000		φ1.2000	
40	75% 45	n	\$127	\$349	\$476				\$158	\$345	\$503				\$27.53	5.8%			\$1.0569		\$1,1180	
40	Summer -	0	ψ121	4049	\$470				φ100	φ <b>0</b> 40	φ303				φ <u>2</u> 1.33	J.0 /0			φ1.0509		φ1.1100	
41	25% 6					\$50	\$3	\$53				\$37	\$3	\$40			-\$12.87	-24.4%		\$8.8014		\$6.6569
	Summer -					<b>\$</b> 50	φJ	ψυυ				Ψ01	φJ	ψ+0			-ψ12.07	-27.770		ψ0.0014		ψ0.0009
42	50% 60					\$63	\$30	\$93				\$54	\$31	\$84			-\$8.46	-9.1%		\$1.5474		\$1.4065
74	Summer -					<i>4</i> 50	<i>\$</i> 50	<b>\$35</b>				ΨUΠ	ψUT	ΨŪŦ			ψ0.40	0.170		φ1.0474		φ1. <del>4</del> 000
43	75% 25	D L				\$96	\$126	\$221				\$106	\$127	\$233			\$11.67	5.3%		\$0.8846		\$0.9313

Estimated Bill Percentiles per 2010 MCS

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#### COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES RATE G-52 : COMMERCIAL/INDUSTRIAL - MEDIUM ANNUAL USE, LOW WINTER USE

Present Rates	Winter	Summer	Proposed Rates	Winter	Summe
Cost of Gas	\$0.7305	\$0.4574	Cost of Gas	\$0.7194	\$0.461
LDAC	\$0.0450		LDAC	\$0.0475	
Customer charge	\$145.08		Customer charge	\$100.00	
Sales rate			Sales rate		
First Block Size	1000	1000	First Block Size	1000	100
Block 1	\$0.2052	\$0.1487	Block 1	\$0.2746	\$0.229
Block 2	\$0.1367	\$0.0845	Block 2	\$0.2425	\$0.15

1																					
2			Moi	nthly Bills a	t Present F	lates			Mont	nly Bills at F	Proposed R	lates		Cł	nange in	Monthly E	Bill		Unit	Costs	
3	Use per		Winter			Summer			Winter			Summer		Win	ter	Sum	imer	Cur	rent	Prop	osed
	Month	Base	COG /		Base	COG /		Base	COG /		Base	COG /									
4	(therms)	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
5																					
6	200	\$186	\$155	\$341	\$175	\$100	\$275	\$155	\$153	\$308	\$146	\$102	\$248	-\$32.92	-9.6%	-\$27.74	-	\$1.7061		\$1.5415	
7	300	\$207	\$233	\$439	\$190	\$151	\$340	\$182	\$230	\$412	\$169	\$153	\$321	-\$26.84	-6.1%	-\$19.07		\$1.4643		\$1.3748	\$1.0711
8	400	\$227	\$310	\$537	\$205	\$201	\$406	\$210	\$307	\$517	\$192	\$203	\$395	-\$20.76	-3.9%	-\$10.40	-	\$1.3434		\$1.2915	\$0.9878
9	500	\$248	\$388	\$635	\$219	\$251	\$471	\$237	\$383	\$621	\$215	\$254	\$469	-\$14.68	-2.3%	-\$1.73		\$1.2709		\$1.2415	\$0.9378
0	600	\$268	\$465	\$734	\$234	\$301	\$536	\$265	\$460	\$725	\$238	\$305	\$543	-\$8.60	-1.2%	\$6.94	-	\$1.2225		\$1.2082	\$0.9045
1	700	\$289	\$543	\$832	\$249	\$352	\$601	\$292	\$537	\$829	\$261	\$356	\$616	-\$2.52	-0.3%	\$15.61		\$1.1880		\$1.1844	\$0.8807
2	800	\$309	\$620	\$930	\$264	\$402	\$666	\$320	\$614	\$933	\$283	\$407	\$690	\$3.56	0.4%	\$24.28			\$0.8325	\$1.1665	\$0.8628
3	900	\$330	\$698	\$1,028	\$279	\$452	\$731	\$347	\$690	\$1,037	\$306	\$458	\$764	\$9.64	0.9%	\$32.95		\$1.1419		\$1.1526	\$0.8489
4	1,000	\$350	\$776	\$1,126	\$294	\$502	\$796	\$375	\$767	\$1,141	\$329	\$509	\$838	\$15.72	1.4%	\$41.62	-	\$1.1258		\$1.1415	\$0.8378
5	1,100	\$364	\$853	\$1,217	\$302	\$553	\$855	\$399	\$844	\$1,242	\$345	\$559	\$904	\$25.44	2.1%	\$49.37		\$1.1064		\$1.1295	\$0.8220
6	1,200	\$378	\$931	\$1,308	\$311	\$603	\$914	\$423	\$920	\$1,343	\$360	\$610	\$971	\$35.16	2.7%	\$57.11		\$1.0902		\$1.1195	\$0.8089
7	1,300	\$391	\$1,008	\$1,399	\$319	\$653	\$972	\$447	\$997	\$1,444	\$376	\$661	\$1,037	\$44.88	3.2%	\$64.86		\$1.0765		\$1.1110	\$0.7978
8	1,400	\$405	\$1,086	\$1,491	\$328	\$703	\$1,031	\$472	\$1,074	\$1,545	\$392	\$712	\$1,104	\$54.60	3.7%	\$72.61		\$1.0648		\$1.1038	\$0.7882
9	1,500	\$419	\$1,163	\$1,582	\$336	\$754	\$1,090	\$496	\$1,150	\$1,646	\$407	\$763	\$1,170	\$64.32	4.1%	\$80.35		\$1.0546		\$1.0975	\$0.7800
0	1,750	\$453	\$1,357	\$1,810	\$357	\$879	\$1,236	\$556	\$1,342	\$1,899	\$446	\$890	\$1,336	\$88.61	4.9%	\$99.72	-	\$1.0342		\$1.0849	\$0.7635
1	2,000	\$487	\$1,551	\$2,038	\$378	\$1,005	\$1,383	\$617	\$1,534	\$2,151	\$485	\$1,017	\$1,502			\$119.08		\$1.0190		\$1.0754	\$0.7511
2	2,500	\$555	\$1,939	\$2,494	\$421	\$1,256	\$1,677	\$738	\$1,917	\$2,656	\$563	\$1,271		\$161.51		\$157.81		\$0.9976		\$1.0622	\$0.7337
3	3,000	\$624	\$2,327	\$2,950	\$463	\$1,507	\$1,970	\$860	\$2,301	\$3,160	\$641	\$1,526		\$210.10		\$196.54		\$0.9834		\$1.0534	\$0.7222
4	4,000	\$760	\$3,102	\$3,862	\$547	\$2,010	\$2,557	\$1,102	\$3,068	\$4,170	\$797	\$2,034		\$307.30		\$274.00		\$0.9656		\$1.0424	\$0.7077
5	5,000	\$897	\$3,878	\$4,775	\$632	\$2,512	\$3,144	\$1,344	\$3,835	\$5,179	\$953	\$2,543	\$3,495	\$404.49	8.5%	\$351.46	11.2%	\$0.9549	\$0.6288	\$1.0358	\$0.6990
7 Estimated Bill P 8 Winter - 25%		¢256	\$807	\$1,162				¢204	\$798	\$1,182				\$19.61	1.7%			\$1.1176		\$1.1364	
9 Winter - 50%	1,040 2,000	\$356 \$487	<sub>4007</sub> \$1,551	\$1,162				\$384 \$617	\$1,534	\$1,102				\$19.61	5.5%			\$1.0190		\$1.1304	
0 Winter - 75%	2,000	\$407 \$692	\$1,551 \$2,714	\$2,038				\$981 \$981	\$2.684	\$2,151				\$258.70	5.5% 7.6%			\$0.9732		\$1.0754	
1 Summer - 25%	3,500 700	\$09Z	φ <b>∠</b> ,114	<b></b>	\$249	\$352	\$601	φ90 I	<b>⊅∠,00</b> 4	\$3,005	\$261	\$356	\$616	φ200.7U	1.0%	\$15.61	2.6%	φU.9132	\$0.8584	φ1.0471	\$0.8807
2 Summer - 50%					\$249 \$297	\$352 \$522	\$601 \$820				\$201	\$356 \$529	\$616 \$864			\$15.61 \$44.72	2.6%		\$0.8584 \$0.7881		\$0.8807 \$0.8311
3 Summer - 75%	1,040 2,000				\$297 \$378	\$522 \$1.005	\$820 \$1,383				\$330 \$485	\$529 \$1.017	\$864 \$1,502			\$44.72 \$119.08	5.5% 8.6%		\$0.7881 \$0.6915		\$0.8311 \$0.7511
5 Summer - 75%	2,000				\$3/O	φ1,005	φ1,303				\$40D	φ1,017	φ1,50Z			φ119.00	0.070		φ0.0915		φυ./511

Estimated Bill Percentiles per 2010 MCS

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#### COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES RATE G-53 : COMMERCIAL/INDUSTRIAL - HIGH ANNUAL USE, LOAD FACTOR LESS THAN 90%

Present Rates	Winter	Summer	Proposed Rates	Winter	Summe
Cost of Gas	\$0.7305	\$0.4574	Cost of Gas	\$0.7194	\$0.46 <sup>-</sup>
LDAC	\$0.0450		LDAC	\$0.0475	
Customer charge	\$640.74		Customer charge	\$400.00	
Sales rate			Sales rate		
First Block Size	0	0	First Block Size	0	
Block 1	\$0.1434	\$0.0688	Block 1	\$0.2102	\$0.100
Block 2	\$0.1434	\$0.0688	Block 2	\$0.2102	\$0.100

			Мо	nthly Bills a	t Present R	lates			Mont	hly Bills at F	Proposed F	Rates		Ch	ange in I	Monthly Bill			Unit	Costs	
	Use per		Winter			Summer			Winter			Summer		Winte	er	Sumr	ner	Cur	rent	Prop	osed
	Month	Base	COG/		Base	COG/		Base	COG/		Base	COG/									
	(therms)	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
	1,000	\$784	\$776	\$1,560	\$710	\$502	\$1,212	\$610	\$767	\$1,377	\$501	\$509	\$1,009			-\$202.59			\$1.2119	\$1.3771	\$1.0093
	2,500	\$999	\$1,939	\$2,938	\$813	\$1,256	\$2,069	\$925	\$1,917	\$2,843	\$652	\$1,271	\$1,923	-\$95.28	-3.2%	-\$145.37		•	\$0.8275	\$1.1371	\$0.7693
	5,000	\$1,358	\$3,878	\$5,235	\$985	\$2,512	\$3,497	\$1,451	\$3,835	\$5,285	\$904	\$2,543	\$3,447	\$50.17	1.0%	-\$50.00		\$1.0470		\$1.0571	\$0.6893
	7,500	\$1,716	\$5,816	\$7,532	\$1,157	\$3,768	\$4,925	\$1,976	\$5,752	\$7,728	\$1,156	\$3,814	\$4,970	\$195.63	2.6%	\$45.37			\$0.6566	\$1.0304	\$0.6627
	10,000	\$2,075	\$7,755	\$9,830	\$1,329	\$5,024	\$6,353	\$2,502	\$7,669	\$10,171	\$1,408	\$5,085	\$6,493	\$341.09	3.5%	\$140.74		\$5.0000		\$1.0171	\$0.6493
	12,500	\$2,433	\$9,694	\$12,127	\$1,501	\$6,280	\$7,781	\$3,027	\$9,586	\$12,614	\$1,660	\$6,356	\$8,017	\$486.54	4.0%	\$236.11		\$0.9702		\$1.0091	\$0.6413
	15,000	\$2,792	\$11,633	\$14,424	\$1,673	\$7,536	\$9,209	\$3,553	\$11,504	\$15,056	\$1,913	\$7,628	\$9,540	\$632.00	4.4%	\$331.48			\$0.6139	\$1.0037	\$0.6360
	20,000	\$3,509	\$15,510	\$19,019	\$2,017	\$10,048	\$12,065	\$4,603	\$15,338	\$19,942	\$2,417	\$10,170	\$12,587	\$922.91	4.9%	\$522.22		\$0.9509		\$0.9971	\$0.6293
	25,000	\$4,226	\$19,388	\$23,613	\$2,361	\$12,560	\$14,921	\$5,654	\$19,173	\$24,827	\$2,921	\$12,713	\$15,634	\$1,213.83	5.1%	\$712.97		\$0.9445		\$0.9931	\$0.6253
	30,000	\$4,943	\$23,265	\$28,208	\$2,705	\$15,072	\$17,777	\$6,705	\$23,007	\$29,712	\$3,425	\$15,255	\$18,680	\$1,504.74	5.3%	\$903.71		\$0.9403		\$0.9904	\$0.6227
	35,000	\$5,660	\$27,143	\$32,802	\$3,049	\$17,584	\$20,633	\$7,756	\$26,842	\$34,598	\$3,929	\$17,798	\$21,727	\$1,795.65		\$1,094.45		\$0.9372		\$0.9885	\$0.6208
	40,000	\$6,377	\$31,020	\$37,397	\$3,393	\$20,096	\$23,489	\$8,807	\$30,677	\$39,483	\$4,433	\$20,341	\$24,774	\$2,086.56		\$1,285.19		\$0.9349		\$0.9871	\$0.6193
	45,000	\$7,094	\$34,898	\$41,991	\$3,737	\$22,608	\$26,345	\$9,858	\$34,511	\$44,369	\$4,938	\$22,883	\$27,821	\$2,377.48		\$1,475.93		\$0.9331		\$0.9860	\$0.6182
	50,000	\$7,811	\$38,775	\$46,586	\$4,081	\$25,120	\$29,201	\$10,908	\$38,346	\$49,254	\$5,442	\$25,426	\$30,867	\$2,668.39		\$1,666.67		\$0.9317		\$0.9851	\$0.6173
	55,000	\$8,528	\$42,653	\$51,180	\$4,425	\$27,632	\$32,057	\$11,959	\$42,180	\$54,140	\$5,946	\$27,968	\$33,914	\$2,959.30		\$1,857.41		\$0.9305		\$0.9844	\$0.6166
	60,000	\$9,245	\$46,530	\$55,775	\$4,769	\$30,144	\$34,913	\$13,010	\$46,015	\$59,025	\$6,450	\$30,511	\$36,961	\$3,250.22		\$2,048.15		\$0.9296		\$0.9837	\$0.6160
		\$11,396	\$58,163	\$69,558	\$5,801	\$37,680	\$43,481	\$16,163	\$57,519	\$73,681	\$7,963	\$38,139	\$46,101	\$4,122.95		\$2,620.38		\$0.9274		\$0.9824	\$0.6147
		\$14,981	\$77,550		\$7,521	\$50,240	\$57,761	\$21,417	\$76,691	\$98,108	\$10,483	\$50,851	\$61,335	\$5,577.52		\$3,574.08		\$0.9253		\$0.9811	\$0.6133
				\$138,476	\$10,961	\$75,360	\$86,321		\$115,037		\$15,525		\$91,802	\$8,486.65		\$5,481.49		\$0.9232		\$0.9797	\$0.6120
	200,000	\$29,321	\$155,100	\$184,421	\$14,401	\$100,480	\$114,881	\$42,434	\$153,383	\$195,817	\$20,567	\$101,703	\$122,270	\$11,395.78	6.2%	\$7,388.90	6.4%	\$0.9221	\$0.5744	\$0.9791	\$0.6113
Estimated Bill Pe Winter - 25%	10,000	\$2,075	\$7,755	\$9,830				\$2,502	\$7,669	\$10,171				\$341.09	3.5%			\$0.9830		\$1.0171	
Winter - 50%		\$2,075	\$11,633					\$2,502	\$7,669 \$11,504					\$632.00	3.5% 4.4%			\$0.9630		\$1.0037	
Winter - 75%	15,000 30,000	\$4,943	\$11,033	\$14,424 \$28,208				\$5,555 \$6.705	\$11,504 \$23,007	\$15,056 \$29,712				\$032.00	4.4% 5.3%			\$0.9616		\$0.9904	
Summer - 25%	5,000	φ <del>4</del> ,943	φ <b>2</b> 3,205	φ20,200	\$985	\$2,512	\$3,497	φ0,705	φ∠3,007	φ <b>2</b> 9,712	\$904	\$2,543	\$3,447	φ1,504.74	0.3%	-\$50.00	-1.4%	φ0.9403	\$0.6993	φ0.9904	\$0.6893
Summer - 50%	5,000 15,000				\$985 \$1.673	\$2,512 \$7,536	\$9,209				\$904 \$1,913	\$2,543 \$7,628	\$9,540			-\$50.00 \$331.48	-1.4%		\$0.6993		\$0.6360
Summer - 75%	20,000				\$1,673	\$10,048					\$1,913 \$2,417	\$7,626 \$10,170				\$522.22	3.6% 4.3%				
Summer - 75%	∠0,000				φ <b>∠</b> ,017	φ10,048	\$12,065				φ <b>∠</b> ,417	φ10,170	\$12,387			\$322.22	4.3%		\$0.6032		\$0.6293

Estimated Bill Percentiles per 2010 MCS

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Present Rates	Winter	Summer	Proposed Rates	Winter	Summer
Cost of Gas	\$0.7305	\$0.4574	Cost of Gas	\$0.7194	\$0.461
LDAC	\$0.0450		LDAC	\$0.0475	
Customer charge	\$640.74		Customer charge	\$400.00	
Sales rate			Sales rate		
First Block Size	0	0	First Block Size	0	
Block 1	\$0.0547	\$0.0297	Block 1	\$0.0825	\$0.044
Block 2	\$0.0547	\$0.0297	Block 2	\$0.0825	\$0.044

10																						
12		Г		Mon	thly Bills at	Present Ra	tes	-		Mon	thly Bills at F	Proposed R	ates		С	hange in	Monthly Bill			Unit C	Costs	
13	ι	Use per		Winter			Summer			Winter			Summer		Wint		Sumr	ner	Cur		Prop	osed
		Month	Base	COG /		Base	COG /		Base	COG /		Base	COG /									
14		therms)	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
15		Í																				
16		1,000	\$695	\$776	\$1,471	\$670	\$502	\$1,173	\$483	\$767	\$1,249	\$445	\$509	\$953	-\$221.52	-15.1%	-\$219.53	-18.7%	\$1.4709	\$1.1728	\$1.2494	\$0.9533
17		2,500	\$777	\$1,939	\$2,716	\$715	\$1,256	\$1,971	\$606	\$1,917	\$2,524	\$512	\$1,271	\$1,783	-\$192.70	-7.1%	-\$187.72	-9.5%	\$1.0865	\$0.7884	\$1.0094	\$0.7133
18		5,000	\$914	\$3,878	\$4,792	\$789	\$2,512	\$3,301	\$813	\$3,835	\$4,647	\$624	\$2,543	\$3,167	-\$144.67	-3.0%	-\$134.70	-4.1%	\$0.9583	\$0.6602	\$0.9294	\$0.6333
19		7,500	\$1,051	\$5,816	\$6,867	\$863	\$3,768	\$4,631	\$1,019	\$5,752	\$6,771	\$736	\$3,814	\$4,550	-\$96.63	-1.4%	-\$81.67	-1.8%	\$0.9156	\$0.6175	\$0.9027	\$0.6066
20		10,000	\$1,188	\$7,755	\$8,943	\$938	\$5,024	\$5,962	\$1,225	\$7,669	\$8,894	\$848	\$5,085	\$5,933	-\$48.60	-0.5%	-\$28.65	-0.5%	\$0.8943	\$0.5962	\$0.8894	\$0.5933
21		12,500	\$1,324	\$9,694	\$11,018	\$1,012	\$6,280	\$7,292	\$1,431	\$9,586	\$11,018	\$960	\$6,356	\$7,316	-\$0.56	0.0%	\$24.37	0.3%	\$0.8815	\$0.5834	\$0.8814	\$0.5853
22		15,000	\$1,461	\$11,633	\$13,094	\$1,086	\$7,536	\$8,622	\$1,637	\$11,504	\$13,141	\$1,072	\$7,628	\$8,700	\$47.47	0.4%	\$77.39	0.9%	\$0.8729	\$0.5748	\$0.8761	\$0.5800
23	1	20,000	\$1,735	\$15,510	\$17,245	\$1,235	\$10,048	\$11,283	\$2,050	\$15,338	\$17,388	\$1,296	\$10,170	\$11,466	\$143.54	0.8%	\$183.43		\$0.8622	\$0.5641	\$0.8694	\$0.5733
24		25,000	\$2,008	\$19,388	\$21,396	\$1,383	\$12,560	\$13,943	\$2,462	\$19,173	\$21,635	\$1,520	\$12,713	\$14,233	\$239.61	1.1%	\$289.48		\$0.8558	\$0.5577	\$0.8654	\$0.5693
25		30,000	\$2,282	\$23,265	\$25,547	\$1,532	\$15,072	\$16,604	\$2,875	\$23,007	\$25,882	\$1,744	\$15,255	\$16,999	\$335.69	1.3%	\$395.52	2.4%	\$0.8516	\$0.5535	\$0.8627	\$0.5666
26		35,000	\$2,555	\$27,143	\$29,698	\$1,680	\$17,584	\$19,264	\$3,287	\$26,842	\$30,129	\$1,968	\$17,798	\$19,766	\$431.76	1.5%	\$501.56	2.6%	\$0.8485	\$0.5504	\$0.8608	\$0.5647
27		40,000	\$2,829	\$31,020	\$33,849	\$1,829	\$20,096	\$21,925	\$3,700	\$30,677	\$34,377	\$2,192	\$20,341	\$22,532	\$527.83	1.6%	\$607.60	2.8%	\$0.8462	\$0.5481	\$0.8594	\$0.5633
28		45,000	\$3,102	\$34,898	\$38,000	\$1,977	\$22,608	\$24,585	\$4,112	\$34,511	\$38,624	\$2,416	\$22,883	\$25,299	\$623.90	1.6%	\$713.65	2.9%	\$0.8444	\$0.5463	\$0.8583	\$0.5622
29		50,000	\$3,376	\$38,775	\$42,151	\$2,126	\$25,120	\$27,246	\$4,525	\$38,346	\$42,871	\$2,640	\$25,426	\$28,065	\$719.97	1.7%	\$819.69	3.0%	\$0.8430	\$0.5449	\$0.8574	\$0.5613
30		55,000	\$3,649	\$42,653	\$46,302	\$2,274	\$27,632	\$29,906	\$4,937	\$42,180	\$47,118	\$2,864	\$27,968	\$30,832	\$816.04	1.8%	\$925.73	3.1%	\$0.8418	\$0.5437	\$0.8567	\$0.5606
31		60,000	\$3,923	\$46,530	\$50,453	\$2,423	\$30,144	\$32,567	\$5,350	\$46,015	\$51,365	\$3,088	\$30,511	\$33,599	\$912.11		\$1,031.77	3.2%	\$0.8409	\$0.5428	\$0.8561	\$0.5600
32		75,000	\$4,743	\$58,163	\$62,906	\$2,868	\$37,680	\$40,548	\$6,587	\$57,519	\$64,106	\$3,760	\$38,139	\$41,898			\$1,349.90	3.3%	\$0.8387	\$0.5406	\$0.8547	\$0.5586
33		100,000	\$6,111	\$77,550	\$83,661	\$3,611	\$50,240	\$53,851	\$8,650	\$76,691	\$85,341	\$4,879	\$50,851	\$55,731			\$1,880.12	3.5%	\$0.8366	\$0.5385	\$0.8534	\$0.5573
34		150,000			\$125,171	\$5,096	\$75,360	\$80,456		\$115,037		\$7,119	\$76,277	\$83,396			\$2,940.55	3.7%	\$0.8345	\$0.5364	\$0.8521	\$0.5560
35	2	200,000	\$11,581	\$155,100	\$166,681	\$6,581	\$100,480	\$107,061	\$16,900	\$153,383	\$170,283	\$9,359	\$101,703	\$111,062	\$3,602.09	2.2%	\$4,000.97	3.7%	\$0.8334	\$0.5353	\$0.8514	\$0.5553
36																						
37	Estimated Bi Winter -	ill Percen	tiles																			
38		4.000	\$860	\$3,102	\$3,962				\$730	\$3,068	\$3,798				-\$163.88	-4.1%			\$0.9904		\$0.9494	
30	Winter -	4,000	\$000	\$3, IUZ	\$3,90Z				\$730	φ3,000	φ3,790				-\$103.00	-4.170			\$0.9904		φ0.9494	
39		20.000	\$2,282	¢00.005	¢05 547				\$2,875	¢00.007	¢05.000				¢225.00	4 00/			¢0.0540		¢0.0007	
39	Winter -	30,000	φ2,202	\$23,265	\$25,547				\$2,675	\$23,007	\$25,882				\$335.69	1.3%			\$0.8516		\$0.8627	
40		00.000	\$6,111	¢77.550	¢02.001				\$8,650	¢70 004	COE 044				¢1 000 00	2.00/			\$0.8366		¢0.0504	
40	Summer -	00,000	φ0,111	\$77,550	\$83,661				\$0,000	\$76,691	\$85,341				\$1,680.68	2.0%			\$0.6366		\$0.8534	
44		15 000				\$1,086	¢7.500	¢0,000				\$1,072	¢7 000	¢0 700			¢77.00	0.00/		¢0 5740		\$0.5800
41	Summer -	15,000				φ1,000	\$7,536	\$8,622				φ1,07Ζ	\$7,628	\$8,700			\$77.39	0.9%		\$0.5748		φ0.0600
42		50,000				\$2,126	\$25,120	\$27,246				\$2,640	\$25,426	¢28 065			\$819.69	3.0%		\$0.5449		\$0.5613
42	Summer -	30,000				φ2, 120	φ20, 120	φ21,240				φ2,040	φ <b>2</b> 0,420	\$28,065			\$019.09	3.0%		φ0.0449		φ0.0013
43		80,000				\$3,017	\$40,192	\$43,209				\$3,984	\$40,681	\$44,665			\$1,455.95	3.4%		\$0.5401		\$0.5583
							,,	,,					÷.:,:01	÷,:00			,					,

Estimated Bill Percentiles per 2010 MCS

#### COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES RATE G-54 : COMMERCIAL/INDUSTRIAL - HIGH ANNUAL USE, LOAD FACTOR GREATER THAN 90%

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Present Rates	Winter	Summer	Proposed Rates	Winter	Summer
Cost of Gas	\$1.5352	\$0.6281	Cost of Gas	\$0.7051	\$0.4404
			LDAC	\$0.0665	
Customer charge Sales rate	\$9.00		Customer charge Sales rate	\$11.50	
First Block Size	80	80	First Block Size	0	(
Second Block Size	120	120			
Block 1	\$1.1522	\$1.1522	Block 1	\$0.6324	\$0.6324
Block 2	\$0.9442	\$0.9442	Block 2	\$0.6324	\$0.6324
Block 3	\$0.7946	\$0.7946			

COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES
KEENE DIVISION RATE RESIDENTIAL TO ENERGYNORTH RATE R-1 : RESIDENTIAL NON-HEATING

11						Block 2		\$0.9442	\$0.9442		Block 2		\$0.6324	\$0.6324								
12						Block 3		\$0.7946	\$0.7946													
13																						
14		ſ			41-1 - Dill 4	Des s set D st				Maria			- 4				A Al L D'II			Unit C		
15				Winter	itniy Bills at	Present Rat				Winter	thly Bills at F	Proposed R			Win		Monthly Bill Sumn		Cur			hand
16		e per onth	Base	winter		Base	Summer		Base	COG /		Base	Summer COG /		VVIN	er	Sumn	ner	Cur	ent	Propo	osea
17		erms)	Rates	COG	TOTAL	Rates	COG	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	s	%	Winter	Summer	Winter	Summer
18	(0.6	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Trates	000	TOTAL	Trates	000	TOTAL	Trates	LDAU	TOTAL	Trates	LDAU	TOTAL	Ψ	70	Ψ	70	WILLO	Summer	- vviitei	Summer
19		0	\$9.00	\$0.00	\$9.00	\$9.00	\$0.00	\$9.00	\$11.50	\$0.00	\$11.50	\$11.50	\$0.00	\$11.50	\$2.50	27.8%	\$2.50	27.8%	\$0.0000	\$0.0000	\$0.0000	\$0.0000
20		2	\$11.30	\$3.07	\$14.37	\$11.30	\$1.26	\$12.56	\$12.77	\$1.54	\$14.31	\$12.77	\$1.01	\$13.78	-\$0.07	-0.5%	\$1.22	9.7%	\$7.1874	\$6.2803	\$7.1544	\$6.8897
21		4	\$13.61	\$6.14	\$19.75	\$13.61	\$2.51	\$16.12	\$14.03	\$3.09	\$17.12	\$14.03	\$2.03	\$16.06	-\$2.63	-13.3%	-\$0.06	-0.4%	\$4.9374	\$4.0303	\$4.2792	\$4.0145
22		6	\$15.91	\$9.21	\$25.12	\$15.91	\$3.77	\$19.68	\$15.30	\$4.63	\$19.92	\$15.30	\$3.04	\$18.34	-\$5.20	-20.7%	-\$1.35	-6.8%	\$4.1874	\$3.2803	\$3.3208	\$3.0561
23		8	\$18.22	\$12.28	\$30.50	\$18.22	\$5.02	\$23.24	\$16.56	\$6.17	\$22.73	\$16.56	\$4.06	\$20.62	-\$7.77	-25.5%	-\$2.63	-11.3%	\$3.8124	\$2.9053	\$2.8416	\$2.5769
24		10	\$20.52	\$15.35	\$35.87	\$20.52	\$6.28	\$26.80	\$17.82	\$7.72	\$25.54	\$17.82	\$5.07	\$22.89	-\$10.33	-28.8%	-\$3.91	-14.6%	\$3.5874	\$2.6803	\$2.5541	\$2.2894
25		15	\$26.28	\$23.03	\$49.31	\$26.28	\$9.42	\$35.70	\$20.99	\$11.57	\$32.56	\$20.99	\$7.60	\$28.59	-\$16.75	-34.0%	-\$7.11	-19.9%	\$3.2874	\$2.3803	\$2.1707	\$1.9060
26		20	\$32.04	\$30.70	\$62.75	\$32.04	\$12.56	\$44.61	\$24.15	\$15.43	\$39.58	\$24.15	\$10.14	\$34.29	-\$23.17	-36.9%	-\$10.32	-23.1%	\$3.1374	\$2.2303	\$1.9790	\$1.7143
27		25	\$37.81	\$38.38	\$76.19	\$37.81	\$15.70	\$53.51	\$27.31	\$19.29	\$46.60	\$27.31	\$12.67	\$39.98	-\$29.58	-38.8%	-\$13.52	-25.3%	\$3.0474	\$2.1403	\$1.8640	\$1.5993
28		30	\$43.57	\$46.06	\$89.62	\$43.57	\$18.84	\$62.41	\$30.47	\$23.15	\$53.62	\$30.47	\$15.21	\$45.68	-\$36.00	-40.2%	-\$16.73	-26.8%	\$2.9874	\$2.0803	\$1.7873	\$1.5226
29		35	\$49.33	\$53.73	\$103.06	\$49.33	\$21.98	\$71.31	\$33.63	\$27.01	\$60.64	\$33.63	\$17.74	\$51.38	-\$42.42	-41.2%	-\$19.93	-28.0%	\$2.9445	\$2.0374	\$1.7326	\$1.4679
30		40	\$55.09	\$61.41	\$116.50	\$55.09	\$25.12	\$80.21	\$36.80	\$30.86	\$67.66	\$36.80	\$20.28	\$57.07	-\$48.84	-41.9%	-\$23.14	-28.8%	\$2.9124	\$2.0053	\$1.6915	\$1.4268
31		45	\$60.85 \$66.61	\$69.08	\$129.93	\$60.85 \$66.61	\$28.26 \$31.41	\$89.11	\$39.96 \$43.12	\$34.72	\$74.68	\$39.96 \$43.12	\$22.81	\$62.77	-\$55.25	-42.5%	-\$26.34	-29.6%	\$2.8874	\$1.9803 \$1.9603	\$1.6596	\$1.3949
32 33		50 50	\$00.01 \$78.13	\$76.76 \$92.11	\$143.37 \$170.24	\$00.01	\$31.41 \$37.69	\$98.02 \$115.82	\$43.12 \$49.44	\$38.58 \$46.30	\$81.70 \$95.74	\$43.12 \$49.44	\$25.35 \$30.41	\$68.47 \$79.86	-\$61.67 -\$74.50	-43.0% -43.8%	-\$29.55 -\$35.96	-30.1% -31.0%	\$2.8674 \$2.8374	\$1.9603	\$1.6340 \$1.5957	\$1.3693 \$1.3310
33 34		70	\$89.65	\$92.11 \$107.46	\$170.24	\$89.65	\$37.09 \$43.97	\$133.62	\$55.77	\$40.30 \$54.01	\$95.74 \$109.78	\$45.44 \$55.77	\$35.48	\$79.80	-\$74.50	-43.8%	-\$35.90	-31.0%	\$2.8160	\$1.9303	\$1.5683	\$1.3036
35		30	\$101.18	\$122.82	\$223.99	\$101.18	\$50.25	\$151.42	\$62.09	\$61.73	\$123.82	\$62.09	\$40.55	\$102.64	-\$100.17	-44.7%	-\$48.78	-32.2%	\$2.7999	\$1.8928	\$1.5477	\$1.2830
36		90	\$110.62	\$138.17	\$248.79	\$110.62	\$56.53	\$167.15	\$68.41	\$69.45	\$137.86	\$68.41	\$45.62	\$114.04	-\$110.93	-44.6%	-\$53.11	-31.8%	\$2.7643	\$1.8572	\$1.5318	\$1.2671
37		00	\$120.06	\$153.52	\$273.58	\$120.06	\$62.81	\$182.87	\$74.74	\$77.16	\$151.90	\$74.74	\$50.69	\$125.43	-\$121.68	-44.5%	-\$57.44	-31.4%	\$2.7358	\$1.8287	\$1.5190	\$1.2543
38		00	\$214.48	\$307.04	\$521.52	\$214.48	\$125.62	\$340.10	\$137.98	\$154.32	\$292.30	\$137.98	\$101.38	\$239.36	-\$229.22	-44.0%	-\$100.74	-29.6%	\$2.6076	\$1.7005	\$1.4615	\$1.1968
39																						
40	Estimated Bill	Percen	tiles																			
	Winter -																					
41	25%	8	\$18.22	\$12.28	\$30.50				\$16.56	\$6.17	\$22.73				-\$7.77	-25.5%			\$3.8124		\$2.8416	
	Winter -																					
42		20	\$32.04	\$30.70	\$62.75				\$24.15	\$15.43	\$39.58				-\$23.17	-36.9%			\$3.1374		\$1.9790	
	Winter -		A 10 57						AAA 47													
43		30	\$43.57	\$46.06	\$89.62				\$30.47	\$23.15	\$53.62				-\$36.00	-40.2%			\$2.9874		\$1.7873	
	Summer -	_				¢14 70	¢2.4.4	¢17.00				¢14.00	¢0 50	¢47.00			¢0 70	2.00/		¢2 5000		¢2 4205
44	25% Summer -	5				\$14.76	\$3.14	\$17.90				\$14.66	\$2.53	\$17.20			-\$0.70	-3.9%		\$3.5803		\$3.4395
45		11				\$21.67	\$6.91	\$28.58				\$18.46	\$5.58	\$24.03			-\$4.55	-15.9%		\$2.5985		\$2.1848
40	Summer -	· '				ψ21.07	φ0.91	φ20.30				ψ10.40	φ3.30	φ24.03			-φ <del>4</del> .00	-13.370		φ2.0900		ψ2.1040
46		20				\$32.04	\$12.56	\$44.61				\$24.15	\$10.14	\$34.29			-\$10.32	-23.1%		\$2.2303		\$1.7143

Estimated Bill Percentiles per 2010 MCS

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Present Rates	Winter	Summer	Proposed Rates	Winter	Summ
Cost of Gas	\$1.5352	\$0.6281	Cost of Gas	\$0.7051	\$0.44
			LDAC	\$0.0665	
Customer charge Sales rate	\$9.00		Customer charge Sales rate	\$12.75	
First Block Size	80	80	First Block Size	100	
Second Block Size	120	120			
Block 1	\$1.1522	\$1.1522	Block 1	\$0.6535	\$0.6
Block 2	\$0.9442	\$0.9442	Block 2	\$0.6535	\$0.6
Block 3	\$0.7946	\$0.7946			

#### COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES KEENE DIVISION RATE RESIDENTIAL TO ENERGYNORTH RATE R-3 : RESIDENTIAL HEATING

Use per Monthy Bill         Unterter         Summer         Unterter         Summer         Unterter         Change in Monthy Bill         Untertertertertertertertertertertertertert				Ma	othly Dillo of	Dracant Dat				Mor	thu Dillo of [	Dropood P	otoo			hongo in N	Ionthly Bill			Linit (	`eete	
Month (therms)         Base Relate         COG         TOTAL         Rates         COG/ COG         TOTAL         Rates         COG/ COG         TOTAL         Rates         COG/ COG         TOTAL         Rates         COG/ COG         TOTAL         S         %         S         %         Winter         Summer         Winter         Summer         Winter           0         \$20.02         \$15.35         \$3.547         \$20.52         \$5.268         \$12.75         \$12.75         \$12.75         \$12.75         \$12.75         \$12.75         \$11.64         \$21.75         \$21.03         \$13.47         \$2.680         \$12.75         \$12.75         \$12.75         \$11.64         \$2.77         \$2.83.74         \$2.690         \$12.75         \$11.61         \$21.07         \$3.047         \$2.6003         \$12.75         \$11.61         \$2.1003         \$13.040         \$1.6003 <td< td=""><td></td><td>l leo nor</td><td></td><td></td><td></td><td>Fieseni Rai</td><td></td><td></td><td></td><td></td><td>Iuliy bills at r</td><td>-Toposeu R</td><td></td><td></td><td></td><td></td><td></td><td>mor</td><td>Cur</td><td></td><td></td><td>head</td></td<>		l leo nor				Fieseni Rai					Iuliy bills at r	-Toposeu R						mor	Cur			head
(hermin)         Reles         COG         TOTAL         Reles         LDAC         TOTAL         Reles         LDAC         TOTAL         R         %			Base	Winter		Base	Guininei		Base			Base				51	J		Cui	on		osed
0         59.00         50.00         59.00         50.00         59.00         512.75         50.00         512.75         50.00         512.75         50.00         512.75         50.00         512.75         50.00         512.75         50.00         512.75         50.00         512.75         50.75         524.35         57.75         52.44         50.75         52.44         50.75         51.70         52.44         50.75         51.71         55.75         51.70         52.44         50.75         51.71         55.75         51.70         52.44         50.75         51.71         55.75         51.71         55.75         51.71         55.75         55.71         57.75         55.75         55.71         51.76         55.75         55.75         51.77         55.75         51.77         55.75         51.77         55.75         55.75         51.77         55.75         55.75         55.75         55.75         51.77         55.75         55.75         55.75         55.75         51.77         55.75         55.75         55.75         55.75         55.75         55.75         55.75         55.75         55.75         55.75         55.75         55.75         55.75         55.75         55.75         55.75				COG	TOTAL		COG	TOTAL			TOTAL			TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
10       520.52       \$15.35       \$35.87       \$20.80       \$20.80       \$57.91       \$37.41       \$57.61       \$37.46       \$14.37       \$20.66       \$11.24       \$57.77       \$22.45       \$70.77       \$58.81       \$20.80       \$16.92       \$45.42       \$23.87       \$12.06       \$57.77       \$22.45       \$10.77       \$59.93       \$41.44       \$27.25       \$2.87.45       \$19.900       \$15.951       \$13.900       \$14.84       \$27.25       \$2.87.45       \$2.87.45       \$19.900       \$15.951       \$13.900       \$15.951       \$13.900       \$15.951       \$13.900       \$15.951       \$13.900       \$15.951       \$13.920       \$15.951       \$12.06       \$15.951       \$12.06       \$15.21       \$19.43       \$15.27       \$17.76       \$13.90       \$2.43       \$2.43       \$2.43       \$2.44       \$2.43       \$2.663       \$10.92       \$13.92		(						-														
25       \$37.81       \$37.81       \$57.00       \$53.781       \$53.781       \$53.88       \$76.10       \$57.67       \$53.877       \$52.871       \$52.867       \$11.75       \$22.08       \$12.67       \$41.76       \$22.853       \$57.77       \$50.542       \$51.77       \$50.542       \$41.175       \$22.853       \$57.77       \$50.93       \$42.873       \$57.77       \$50.93       \$42.873       \$57.77       \$50.93       \$42.873       \$57.77       \$50.93       \$42.873       \$57.77       \$50.42       \$41.87       \$22.973.85       \$12.00       \$52.877.85       \$12.00       \$52.877.85       \$12.877       \$51.872       \$57.10       \$77.16       \$15.56       \$57.10       \$57.10       \$77.16       \$15.62       \$57.10       \$57.64       \$16.800       \$51.482       \$57.60       \$57.60       \$51.80       \$51.482       \$57.60       \$51.80       \$51.482       \$57.60       \$51.80       \$51.80       \$51.482       \$51.52       \$51.50       \$51.00       \$77.40       \$18.48       \$43.37       \$64.83       \$52.27       \$22.47       \$51.52       \$51.52       \$51.52       \$51.52       \$51.52       \$51.52       \$51.52       \$51.52       \$51.52       \$51.52       \$51.52       \$51.52       \$52.52       \$52.52       \$51.85		0	\$9.00	\$0.00	\$9.00	\$9.00	\$0.00	\$9.00	\$12.75	\$0.00	\$12.75	\$12.75	\$0.00	\$12.75	\$3.75	41.6%	\$3.75	41.6%	\$0.0000	\$0.0000	\$0.0000	\$0.0000
50         S66.61         S77.76         S13.41         S80.20         S46.42         S28.80         S80.00         S41.42         S22.35         S70.77         -559.37         -41.4%         S27.25         -27.8%         S2.8074         S100.00																						
75       \$95.42       \$115.14       \$210.65       \$95.42       \$87.76       \$119.63       \$61.76       \$38.02       \$99.79       \$-\$90.93       \$-43.2%       \$-44.275       \$-30.9%       \$2.0074       \$119.003       \$15.556       \$127.79         125       \$143.67       \$191.90       \$335.57       \$143.67       \$191.90       \$335.57       \$143.67       \$191.90       \$335.57       \$143.67       \$191.90       \$335.57       \$127.17       \$157.64       \$171.04       \$43.08       \$43.08       \$167.61       \$122.48       \$109.77       \$110.77       \$110.77       \$115.74       \$110.77       \$117.14       \$122.51       \$111.07       \$115.74       \$127.11       \$135.03       \$227.71       \$143.45       \$103.82       \$197.88       \$24.87       \$20.706       \$170.66       \$143.45       \$103.82       \$197.81       \$21.445       \$103.82       \$171.81       \$12.11       \$182.44       \$103.82       \$197.81       \$114.45       \$101.88       \$24.83       \$24.97       \$24.97       \$24.97       \$14.88       \$12.448       \$12.51       \$12.51       \$12.51       \$12.51       \$12.51       \$12.51       \$12.51       \$12.51       \$12.51       \$12.51       \$12.51       \$12.51       \$12.51       \$12.51       \$12.51<																						
100       \$120.06       \$153.52       \$27.268       \$120.06       \$62.81       \$112.27       \$77.16       \$155.26       \$77.10       \$150.69       \$17.27       \$143.29       \$454.08       \$29.68       \$2.758       \$12.271       \$																						
125       \$143.67       \$191.90       \$33.57       \$143.67       \$77.61       \$222.18       \$94.43       \$96.45       \$107.77       \$157.80       \$143.68       \$-20.06       \$26.663       \$17.774       \$127.11       \$127.11       \$110.77       \$10.76       \$110.77       \$110.77       \$110.77       \$10.76       \$110.77       \$110.77       \$10.76       \$110.77       \$10.76       \$110.77       \$10.76       \$110.77       \$10.76       \$110.77       \$10.76       \$110.77       \$10.76       \$110.77       \$10.76       \$110.77       \$10.76       \$110.77       \$10.77       \$10.77       \$10.77       \$10.77       \$10.77       \$10.77																						
150       \$167.27       \$230.28       \$397.55       \$167.27       \$244.28       \$110.11       \$117.45       \$220.51       \$117.17       \$76.04       \$186.81       \$-517.10       4-30.06       \$574.68       \$26.050       \$17.483       \$14.901       \$12.333         200       \$214.48       \$307.04       \$521.52       \$214.48       \$125.62       \$300.10       \$14.343       \$510.13       \$223.75       -42.96       \$96.27       -28.076       \$17.883       \$1.488       \$12.41         225       \$224.48       \$307.04       \$521.52       \$214.48       \$157.03       \$11.24       \$176.12       \$192.90       \$300.81       \$14.06       \$27.843       +322.45       \$10.83       2.77.4       \$14.465       \$192.46       \$139.40       \$31.61       \$31.40       \$159.78       \$11.40       \$17.21       \$14.25       \$10.44       \$10.77.7       \$76.04       \$13.04       \$22.37.7       -42.96       \$40.71       \$31.86       \$41.416       \$12.71       \$41.88       \$12.21       \$22.23.7       -26.07       \$25.07       \$16.666       \$14.888       \$12.214       \$25.00       \$25.07       \$16.676       \$16.476       \$12.114       \$17.71       \$44.06       \$12.20.6       \$271.16       \$22.77       \$16.27																						
175       \$190.88       \$268.66       \$459.54       \$190.98       \$200.9       \$21.71       \$135.03       \$262.14       \$12.711       \$134.34       \$157.62       \$17.75       \$134.34       \$12.833         225       \$234.35       \$345.42       \$577.77       \$234.35       \$141.32       \$375.67       \$157.08       \$143.45       \$157.16       \$302.86       \$262.43       \$227.48       \$22.77       \$2.67.67       \$16.969       \$1.488       \$1.2171         250       \$224.21       \$383.00       \$283.01       \$24.32       \$375.67       \$157.08       \$411.24       \$177.12       \$148.45       \$12.77       \$300.86       \$291.48       \$2.227       \$400.86       \$2.62.49       \$4.27       \$410.88       \$2.25.50       \$1.444       \$1.717       \$1.144.85       \$1.214         300       \$233.47       \$400.28       \$208.08       \$152.07       \$300.48       \$314.01       \$1.10.49       \$2.71.85       \$11.49       \$2.71.15       \$1.20.94       \$41.11.41       \$17.72       \$44.45       \$21.47       \$2.71.15       \$2.20.15       \$1.61.45       \$1.19.68         300       \$233.47       \$54.26.48       \$27.107       \$51.15       \$2.41.47       \$2.70.77       \$2.41.45       \$1.14.57       \$																						
200       \$214.48       \$307.04       \$521.52       \$214.48       \$125.62       \$340.01       \$143.45       \$154.32       \$227.77       \$143.45       \$110.38       \$224.83       \$322.75       \$2.0076       \$17.005       \$14.888       \$12.171         250       \$224.21       \$383.80       \$638.01       \$254.21       \$157.03       \$111.24       \$176.12       \$120.73       \$302.86       \$220.68       \$42.2%       \$10.83       \$2.71%       \$2.5767       \$1.6696       \$1.4818       \$12.171         250       \$224.21       \$383.80       \$662.62       \$27.408       \$172.73       \$44.680       \$192.46       \$192.46       \$134.84       \$42.2%       \$10.838       \$2.42%       \$16.498       \$1.428       \$1.6476       \$1.249       \$1.6476       \$1.249       \$1.6476       \$1.249       \$1.6476       \$1.249       \$1.6476       \$1.249       \$1.6476       \$1.249       \$1.6476       \$1.249       \$1.6476       \$1.249       \$1.6476       \$1.249       \$1.6476       \$1.249       \$1.6476       \$1.249       \$1.6476       \$1.249       \$1.6476       \$1.6476       \$1.2476       \$1.6476       \$1.249       \$1.6476       \$1.6476       \$1.676       \$1.6476       \$1.676       \$1.676       \$1.6976       \$1.6976 <td></td>																						
225       \$234.52       \$244.52       \$277.77       \$223.435       \$141.24       \$176.76       \$177.36       \$333.40       \$159.76       \$114.06       \$277.84       -\$226.37       -\$27.94       \$2.77.9																						
250       \$254,21       \$333,80       \$633,01       \$254,21       \$170,13       \$176,12       \$170,12       \$12,14       \$176,12       \$12,14       \$132,14       \$253,21       \$14,194       \$253,21       \$14,194       \$25,250       \$16,449       \$14,761       \$12,114         300       \$293,44       \$440,05       \$774,50       \$223,148       \$440,23       \$208,80       \$12,174       \$210,07       \$511,54       \$214,147       \$177,12       \$341,80       -523,46       \$12,150       -22,2%       \$2,2510       \$1,4761       \$1,4761       \$1,2029         300       \$293,44       \$440,05       \$774,50       \$229,44       \$440,05       \$124,147       \$210,07       \$511,54       \$241,47       \$177,12       \$448,89       -333,67       \$21,44       \$1,4676       \$1,1968         450       \$441,40       \$927,408       \$242,44       \$21,41,47       \$177,42       \$448,89       -333,67       \$21,477,37       \$23,60       \$41,373       \$23,488       \$1,4676       \$1,1968         450       \$441,313       \$262,46       \$271,41       \$20,60       \$339,50       \$253,43       \$540,83       \$42,408       \$1,4761       \$1,4761       \$1,4767       \$1,4876       \$1,4876       \$1,4876																						
275       \$274.08       \$422.18       \$696.26       \$274.08       \$172.73       \$448.87       \$212.46       \$139.40       \$331.86       \$-521.60       \$-41.9%       \$114.94       \$-25.7%       \$22.518       \$16.247       \$11.715       \$12.029         300       \$293.94       \$460.56       \$754.50       \$293.94       \$186.43       \$482.37       \$201.88       \$241.47       \$270.07       \$511.54       \$21.48       \$241.47       \$77.74       \$418.89       \$539.45       \$41.37       \$22.485       \$1.561.51       \$1.1647       \$1.1667       \$1.2029         400       \$373.40       \$561.08       \$595.78       \$208.60       \$221.74       \$521.74       \$521.54       \$22.4857       \$1.561.51       \$1.417.3       \$2.4865       \$1.561.51       \$1.4570       \$1.1968         400       \$373.40       \$21.248       \$23.485       \$30.65       \$582.79       \$22.811       \$530.45       \$22.8173       \$1.447.73       \$2.4867       \$1.516.51       \$1.516.51       \$1.516.51       \$1.4570       \$1.1968       \$306.52       \$202.77       \$476.91       \$40.66       \$177.45       \$1.061.59       \$506.25       \$206.19       \$1.477.3       \$1.466.5       \$1.2029       \$2.4087       \$1.477.3       \$1.466.5																						
300       \$293.94       \$460.56       \$754.50       \$293.94       \$188.43       \$482.37       \$208.80       \$231.48       \$440.28       \$208.80       \$152.07       \$360.87       -\$314.22       -41.6%       -\$121.50       -25.2%       \$2.5150       \$1.6079       \$1.4676       \$1.2029         350       \$337.340       \$\$11.0874       \$\$373.40       \$\$14.08       \$947.48       \$373.40       \$\$51.54       \$21.4715       \$306.85       \$\$202.77       \$\$476.91       -\$314.22       -41.6%       -\$121.50       -25.2%       \$\$2.4687       \$1.6616       \$1.1570       \$1.1926         450       \$\$413.13       \$\$600.84       \$1,103.97       \$413.13       \$\$282.65       \$665.78       \$306.82       \$334.72       \$\$366.85       \$228.11       \$534.93       -\$440.92       -40.8%       -\$160.84       -23.1%       \$2.4687       \$1.4651       \$1.1763       \$1.1879         500       \$451.51       \$1.161.40       \$1.402.91       \$661.51       \$471.08       \$1.477.3       \$2.30.8       \$2.4087       \$1.6375       \$2.409       \$1.4561       \$1.1879         500       \$451.51       \$1.102.04       \$452.86       \$850.16       \$628.10       \$1.478.26       \$666.25       \$771.61       \$1.437.87       \$66																						
350       \$333.67       \$537.32       \$870.99       \$333.67       \$219.84       \$553.51       \$241.47       \$270.07       \$511.54       \$241.47       \$177.42       \$418.89       \$-\$30.69       4.1.3%       \$513.461       \$2.4.865       \$1.8616       \$1.4570       \$1.1968         400       \$373.40       \$614.08       \$987.48       \$307.40       \$251.24       \$624.64       \$274.15       \$308.65       \$582.79       \$274.15       \$202.077       \$476.91       \$-\$449.99       \$-11.0%       \$-11.77.72       \$2.4.68       \$1.814.51       \$1.14670       \$1.1968         450       \$413.13       \$609.44       \$10.397       \$413.13       \$282.65       \$606.25       \$347.23       \$564.50       \$300.62       \$22.81.1       \$534.93       \$-\$449.92       -40.8%       \$177.36       \$2.27%       \$2.4409       \$1.542       \$1.456       \$1.4763       \$1.1877         500       \$452.86       \$777.60       \$1.22.0.40       \$452.86       \$314.05       \$1.4763       \$1.437.87       \$666.25       \$500.19       \$1.173.17       \$2.97%       \$2.7%       \$2.409       \$1.4763       \$1.4968       \$1.4763       \$1.4968       \$1.470       \$1.476       \$1.4763       \$1.1877       \$2.00%       \$2.27%       \$2.27% <td></td>																						
400       \$373.40       \$614.08       \$997.48       \$373.40       \$251.24       \$624.64       \$274.15       \$308.65       \$582.79       \$274.15       \$202.77       \$476.91       -\$404.69       -41.0%       \$5147.73       -23.6%       \$2.4687       \$1.5616       \$1.4570       \$1.1923         450       \$413.13       \$569.78       \$308.62       \$347.23       \$564.05       \$308.62       \$228.11       \$534.93       -\$449.92       -40.8%       \$1.6042.21.%       \$2.4633       \$1.4502       \$1.4773       -23.6%       \$2.4093       \$1.5353       \$1.4703       \$1.4773       \$2.4533       \$1.4773       \$2.4533       \$1.4773       \$2.4533       \$1.4773       \$2.4533       \$1.4773       \$2.4687       \$1.4773       \$2.4687       \$1.4713       \$2.4687       \$1.4713       \$2.4687       \$1.4713       <																						
450       \$413.13       \$690.84       \$1,103.97       \$413.13       \$282.65       \$695.78       \$306.82       \$347.23       \$654.05       \$306.82       \$228.11       \$534.93       -\$449.92       -40.8%       -\$160.84       -23.1%       \$2.4533       \$1.5462       \$1.4534       \$1.1887         500       \$561.51       \$1.151.40       \$1,802.91       \$561.51       \$1.171.48       \$502.86       \$576.91       \$1.333.50       \$585.81       \$777.50       \$1.22.9433       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506       \$1.4504       \$1.4506																						
500 750       \$452.86       \$767.60       \$1,220.46       \$452.86       \$334.05       \$766.91       \$339.50       \$339.50       \$253.46       \$592.96       -\$495.15       -40.6%       -\$173.95       -22.7%       \$2.409       \$1.533.88       \$1.4506       \$1.1859         1,000       \$850.16       \$1,515.20       \$2,385.36       \$\$51.51       \$471.08       \$1,122.59       \$502.88       \$\$380.19       \$\$883.06       -\$721.32       -40.0%       -\$239.52       -21.3%       \$2.4039       \$1.4968       \$1.4421       \$1.1774         1,000       \$850.16       \$1,535.20       \$2,385.36       \$850.16       \$662.51       \$771.61       \$1,437.87       \$666.25       \$506.91       \$1,173.17       -\$947.49       -39.7%       -\$305.09       -20.6%       \$2.385.4       \$1.4379       \$1.4379       \$1.1732         Winter -         25%       60       \$78.13       \$92.11       \$170.24       \$78.10       \$77.16       \$155.26       -\$118.32       -43.2%       \$2.7358       \$1.6375       \$2.7358       \$1.5526       \$1.490       \$2.7358       \$1.5526       \$1.490       \$2.7358       \$1.5526       \$2.7358       \$1.490       \$1.4980       \$2.27358       \$1.5526       \$2.7358       \$1.5526																						
750       \$651.51       \$1,151.40       \$1,802.91       \$651.51       \$471.08       \$1,122.59       \$502.88       \$578.71       \$1,081.59       \$502.88       \$380.19       \$883.06       -\$721.32       -40.0%       -\$239.52       -21.3%       \$2.4039       \$1.4968       \$1.421       \$1.1774         1,000       \$850.16       \$1,535.20       \$2,385.36       \$850.16       \$651.51       \$662.51       \$771.61       \$1,437.87       \$666.25       \$506.91       \$1,173.17       -\$947.49       -39.7%       -\$305.09       -20.6%       \$2.3854       \$1.4988       \$1.4379       \$1.173         Winter-         25%       6       6       \$78.13       \$92.11       \$170.24       \$170.24       \$51.96       \$46.30       \$98.25       -\$71.99       -42.3%       \$2.8374       \$2.8374       \$1.6375         Winter -       50%       100       \$120.06       \$153.52       \$273.58       \$78.10       \$77.16       \$155.26       -\$118.32       -\$3.69       -12.2%       \$2.7358       \$1.6375       \$1.4980       \$2.2575       \$6.08       \$26.67       -\$197.39       -43.0%       \$2.6259       \$1.4980       \$2.2333       \$2.2333       \$2.2333       \$2.2333       \$2.2333       \$2.2333 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>																						
1,00 \$850.16 \$1,535.20 \$2,385.36 \$850.16 \$628.10 \$1,478.26 \$666.25 \$771.61 \$1,437.87 \$666.25 \$506.91 \$1,173.17 -\$947.49 -39.7% \$305.09 -20.6% \$2.3854 \$1.4783 \$1.4379 \$1.1732 Estimated Bill Percentiles Winter - 25% 60 \$100 \$120.06 \$153.52 \$273.58 Winter - 75% 175 \$190.88 \$268.66 \$459.54 \$22.83 \$7.54 \$30.36 \$122.81 \$7.54 \$30.36 \$127.11 \$135.03 \$262.14 \$20.59 \$6.08 \$26.67 \$20.59 \$6.08 \$26.67 \$20.59 \$6.08 \$26.67 \$-\$118.32 -43.2% \$2.43.0% \$2.659 \$1.556 \$1.2% \$2.659 \$2.530 \$2.530 \$2.530 \$2.259 \$1.4980 \$2.6259 \$2.530 \$2.530 \$2.250 \$1.4980 \$2.2225 \$1.4980 \$2.2225 \$1.4980 \$2.2225 \$1.4980 \$2.2225 \$1.977 \$1.01 \$12.06 \$153.52 \$2.7358 \$2.230 \$1.4980 \$2.2303 \$2.2225 \$1.4980 \$2.2225 \$1.014 \$35.95 \$1.526 \$1.9.4% \$2.2303 \$2.2303 \$2.2225 \$1.777 \$2.200 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.230 \$2.2303 \$2.2225 \$2.230 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.230 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.230 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.230 \$2.2303 \$2.2225 \$2.2303 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2303 \$2.2225 \$2.2																						
Estimated Bill Percentiles         Winter -       25%       60       \$78.13       \$92.11       \$170.24       \$\$51.96       \$46.30       \$98.25       -\$\$71.99       -42.3%       \$\$2.8374       \$1.6375         25%       60       \$120.06       \$153.52       \$273.58       \$78.10       \$77.16       \$155.26       -\$\$118.32       -43.2%       \$2.8374       \$2.8374       \$1.5526         Winter -       75%       175       \$190.88       \$268.66       \$459.54       \$12.7.11       \$135.03       \$262.14       -\$\$118.32       -43.0%       \$2.6259       \$1.4980         Summer -       25%       12       \$32.04       \$12.56       \$44.61       \$25.82       \$10.14       \$35.95       \$58.65       -19.4%       \$2.2303       \$1.777         Summer -       50%       20       \$32.04       \$12.56       \$44.61       \$25.82       \$10.14       \$35.95       58.65       -19.4%       \$2.2303       \$1.7977         Summer -       50%       20       \$25.82       \$10.14       \$35.95       58.65       -19.4%       \$2.2303       \$1.7977																						
Winter -       25%       60       \$78.13       \$92.11       \$170.24       \$51.96       \$46.30       \$98.25       -\$71.99       -42.3%       \$2.8374       \$1.6375         Vinter -       50%       100       \$120.06       \$153.52       \$273.58       \$78.10       \$77.16       \$155.26       -\$118.32       -43.2%       \$2.7358       \$2.6259       \$1.5526         Winter -       75%       175       \$190.88       \$268.66       \$459.54       \$127.11       \$135.03       \$262.14       -\$197.39       -43.0%       \$2.6259       \$1.4980         Summer -       25%       12       \$32.04       \$12.56       \$44.61       \$265.82       \$10.14       \$35.95       -\$8.65       -19.4%       \$2.2303       \$2.2303       \$1.797         Summer -       50%       20       \$32.04       \$12.56       \$44.61       \$25.82       \$10.14       \$35.95       5       5       5       5       5       \$2.2303       \$1.797		1,000		\$1,000.20	\$2,000.00	<b>\$000</b> .10	\$020.10	ψ1,110.20	\$000.20	<i>\\\\\\\\\\\\\</i>	¢1,101.01	\$000.20	<b>\$000.01</b>	ψι,πο.π	<i><b>Q</b></i> <b>11</b> 10	00.170	<i>\\</i> 0000.00	20.070	φ2.000 T	<i><i><i>q</i>111100</i></i>	<i>Q</i> 111070	ψ
25%       60       \$78.13       \$92.11       \$170.24       \$170.24       \$170.24       \$16375         Winter - 50%       100       \$120.06       \$153.52       \$273.58       \$578.10       \$77.16       \$155.26       \$18.32       -\$118.32       -43.2%       \$2.8374       \$2.8374       \$1.5526         Winter - 75%       175       \$190.88       \$268.66       \$459.54       \$12.711       \$135.03       \$262.14       \$1.5303       -\$118.32       -43.2%       \$2.8374       \$2.8374       \$1.5526         Summer - 25%       12       \$190.88       \$268.66       \$459.54       \$127.11       \$135.03       \$262.14       \$1.5176       \$197.39       -43.2%       \$2.6259       \$1.4980         Summer - 25%       12       \$190.88       \$268.66       \$459.54       \$1.256       \$1.4980       \$2.6259       \$2.6259       \$1.4980         Summer - 50%       20       \$1.8976       \$32.04       \$12.56       \$44.61       \$1.5526       \$10.14       \$35.95       \$1.576       \$2.8374       \$2.2303       \$2.2225         Summer - 50%       20       \$32.04       \$12.56       \$44.61       \$1.5526       \$10.14       \$35.95       \$1.566       \$1.94%       \$2.2303       \$1.977       <	Estimated E	Bill Percer	ntiles																			
Winter -       \$120.06       \$153.52       \$273.58       \$273.58       \$77.16       \$155.26       \$155.26       \$18.32       \$43.2%       \$2.7358       \$2.7358       \$1.5526         Vinter -       \$190.88       \$268.66       \$459.54       \$127.11       \$135.03       \$262.14       \$22.59       \$43.0%       \$2.6259       \$2.6259       \$1.4980         Summer -       \$25%       12       \$21       \$22.83       \$7.54       \$30.36       \$2.518       \$20.59       \$6.08       \$26.67       \$43.0%       \$2.6259       \$2.5303       \$2.2225         Summer -       \$32.04       \$12.56       \$44.61       \$4.5       \$2.582       \$10.14       \$35.95       \$5.86       \$-19.4%       \$2.2303       \$1.797         Summer -       \$20       \$4.61       \$4.61       \$4.5       \$2.582       \$10.14       \$35.95       \$4.61       \$2.2303       \$1.797         Summer -       \$32.04       \$12.56       \$44.61       \$4.5       \$4.5       \$4.61       \$5.58       \$10.14       \$35.95       \$4.65       \$4.65       \$4.61       \$5.65       \$10.14       \$35.95       \$4.65       \$4.65       \$4.61       \$5.65       \$10.14       \$35.95       \$5.65       \$1.94%       \$2.2303	Winter -																					
50%       100       \$120.06       \$153.52       \$273.58       \$273.58       \$155.26         Winter - 75%       175       \$190.88       \$268.66       \$459.54       \$127.11       \$135.03       \$262.14       -       -       \$197.39       -43.0%       \$2.7358       \$2.7358       \$1.5526         Winter - 50%       12       \$190.88       \$268.66       \$459.54       \$127.11       \$135.03       \$262.14       -       -       \$197.39       -43.0%       -       \$2.6259       \$1.4980       \$2.2225         Summer - 25%       12       52       \$22.83       \$7.54       \$30.36       -       52       \$20.59       \$6.08       \$26.67       -       -       \$5.369       -12.2%       \$2.5303       \$2.5303       \$2.2225         Summer - 500%       20       532.04       \$12.56       \$44.61       -       52.582       \$10.14       \$35.95       -       -       58.65       -19.4%       \$2.2303       \$1.797         Summer - 500%       20       20       20       \$2.582       \$10.14       \$35.95       -       -       58.65       -19.4%       \$2.2303       \$1.797	25%	60	\$78.13	\$92.11	\$170.24				\$51.96	\$46.30	\$98.25				-\$71.99	-42.3%			\$2.8374		\$1.6375	
Winter -       75%       175       \$190.88       \$268.66       \$459.54       \$127.11       \$135.03       \$262.14       -\$197.39       -43.0%       \$2.6259       \$1.4980         Summer -       25%       12       \$2.83       \$7.54       \$30.36       \$20.59       \$6.08       \$26.67       \$3.09       -12.2%       \$2.5303       \$2.2225         Summer -       50%       20       \$32.04       \$12.56       \$44.61       \$25.82       \$10.14       \$35.95       \$48.65       -19.4%       \$2.2303       \$1.7977         Summer -       50%       20       \$10.14       \$35.95       \$10.14       \$35.95       \$48.65       -19.4%       \$2.2303       \$1.7977																						
75%       175       \$190.88       \$268.66       \$459.54       Image: second seco	50%	100	\$120.06	\$153.52	\$273.58				\$78.10	\$77.16	\$155.26				-\$118.32	-43.2%			\$2.7358		\$1.5526	
Summer -       25%       12         25%       12         Summer -       \$22.83       \$7.54       \$30.36         Summer -       \$32.04       \$12.56       \$44.61         \$25.82       \$10.14       \$35.95       -\$8.65       -19.4%       \$2.2303       \$1.797         Summer -       Summer -       \$32.04       \$12.56       \$44.61       \$25.82       \$10.14       \$35.95       -\$8.65       -19.4%       \$2.2303       \$1.797																						
25%     12     \$22.83     \$7.54     \$30.36     \$20.59     \$6.08     \$26.67     -\$3.69     -12.2%     \$2.5303     \$2.2225       Summer - 50%     20     \$32.04     \$12.56     \$44.61     \$25.82     \$10.14     \$35.95     -\$8.65     -19.4%     \$2.2303     \$2.2225       Summer - Summer -     \$32.04     \$12.56     \$44.61     \$25.82     \$10.14     \$35.95     -\$8.65     -19.4%     \$2.2303     \$1.7977		175	\$190.88	\$268.66	\$459.54				\$127.11	\$135.03	\$262.14				-\$197.39	-43.0%			\$2.6259		\$1.4980	
Summer - 50%         \$32.04         \$12.56         \$44.61         \$25.82         \$10.14         \$35.95         -\$8.65         -19.4%         \$2.2303         \$1.7977																						
50%     20       Summer -     \$32.04       \$12.56     \$44.61       \$25.82     \$10.14       \$35.95     -\$8.65       -19.4%     \$2.2303       \$1.7977		12				\$22.83	\$7.54	\$30.36				\$20.59	\$6.08	\$26.67			-\$3.69	-12.2%		\$2.5303		\$2.2225
Summer-																						
		20				\$32.04	\$12.56	\$44.61				\$25.82	\$10.14	\$35.95			-\$8.65	-19.4%		\$2.2303		\$1.7977
	Summer - 75%	30				\$43.57	\$18.84	\$62.41				\$32.35	\$15.21	\$47.56			-\$14.85	-23.8%		\$2.0803		\$1.5853

Estimated Bill Percentiles per 2010 MCS

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Present Rates	Winter	Summer	Proposed Rates	Winter	Summer
Cost of Gas	\$1.5352	\$0.6281	Cost of Gas	\$0.7010	\$0.4242
			LDAC	\$0.0475	
Customer charge Sales rate	\$18.00		Customer charge Sales rate	\$35.00	
First Block Size	80	80	First Block Size	100	20
Second Block Size	120	120			
Block 1	\$1.1522	\$1.1522	Block 1	\$0.5977	\$0.5977
Block 2	\$0.9442	\$0.9442	Block 2	\$0.4806	\$0.4806
Block 3	\$0.7946	\$0.7946			

#### COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES KEENE DIVISION RATE COMMERCIAL/INDUSTRIAL TO ENERGYNORTH RATE G-41 : COMMERCIAL/INDUSTRIAL - LOW ANNUAL USE, HIGH WINTER USE

			Mor	nthly Bills at	Present Ra	tes			Mont	hlv Bills at F	Proposed R	ates			Change in N	Ionthly Bill			Unit C	Costs	
	Use per		Winter			Summer			Winter			Summer		Win		Sum	mer	Cur		Prop	osed
	Month	Base			Base			Base	COG/		Base	COG/								'	
	(therms)	Rates	COG	TOTAL	Rates	COG	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
	0	\$18	\$0	\$18	\$18	\$0	\$18	\$35	\$0	\$35	\$35	\$0	\$35	\$17.00	94.5%	\$17.00	94.5%	\$0.0000	\$0.0000	\$0.0000	\$0.0000
	10	\$30	\$15	\$45	\$30	\$6	\$36	\$41	\$7	\$48	\$41	\$5	\$46		8.0%	\$9.89	27.6%	\$4.4874	\$3.5803	\$4.8465	\$4.5697
	25	\$47	\$38	\$85	\$47	\$16	\$63	\$50	\$19	\$69	\$49	\$12	\$61	-\$16.53	-19.4%	-\$1.35	-2.2%	\$3.4074	\$2.5003	\$2.7464	\$2.4461
	50	\$76	\$77	\$152	\$76	\$31	\$107	\$65	\$37	\$102	\$61	\$24	\$85	-\$50.06	-32.9%	-\$22.06	-20.6%	\$3.0474	\$2.1403	\$2.0463	\$1.6992
	75	\$104	\$115	\$220	\$104	\$47	\$152	\$80	\$56	\$136	\$73	\$35	\$109	-\$83.58	-38.1%	-\$42.76	-28.2%	\$2.9274	\$2.0203	\$1.8129	\$1.4502
	100	\$129	\$154	\$283	\$129	\$63	\$192	\$95	\$75	\$170	\$85	\$47	\$133	-\$112.95	-40.0%	-\$59.30	-30.9%	\$2.8258	\$1.9187	\$1.6963	\$1.3257
	150	\$176	\$230	\$407	\$176	\$94	\$270	\$119	\$112	\$231	\$109	\$71	\$180	-\$175.47	-43.2%	-\$90.30	-33.4%	\$2.7103	\$1.8032	\$1.5405	\$1.2012
	200	\$223	\$307	\$531	\$223	\$126	\$349	\$143	\$150	\$293	\$133	\$94	\$228	-\$237.99	-44.9%	-\$121.30	-34.7%	\$2.6526	\$1.7455	\$1.4627	\$1.1390
	250	\$263	\$384	\$647	\$263	\$157	\$420	\$167	\$187	\$354	\$157	\$118	\$275	-\$293.02	-45.3%	-\$144.82	-34.5%	\$2.5880	\$1.6809	\$1.4160	\$1.1017
	300	\$303	\$461	\$764	\$303	\$188	\$491	\$191	\$225	\$415	\$182	\$142	\$323	-\$348.06	-45.6%	-\$168.34	-34.3%	\$2.5450	\$1.6379	\$1.3848	\$1.0768
	350	\$343	\$537	\$880	\$343	\$220	\$563	\$215	\$262	\$477	\$206	\$165	\$371	-\$403.10	-45.8%	-\$191.86	-34.1%	\$2.5143	\$1.6072	\$1.3626	\$1.0590
	400	\$382	\$614	\$996	\$382	\$251	\$634	\$239	\$299	\$538	\$230	\$189	\$418	-\$458.13	-46.0%	-\$215.38	-34.0%	\$2.4912	\$1.5841	\$1.3459	\$1.0456
	500	\$462	\$768	\$1,229	\$462	\$314	\$776	\$287	\$374	\$661	\$278	\$236	\$513	-\$568.20	-46.2%	-\$262.43	-33.8%	\$2.4589	\$1.5518	\$1.3225	\$1.0270
	600	\$541	\$921	\$1,462	\$541	\$377	\$918	\$335	\$449	\$784	\$326	\$283	\$609	-\$678.28	-46.4%	-\$309.47	-33.7%	\$2.4374	\$1.5303	\$1.3069	\$1.0145
	700	\$621 \$700	\$1,075	\$1,695	\$621 \$700	\$440	\$1,060	\$383 \$431	\$524	\$907	\$374	\$330	\$704	-\$788.35	-46.5%	-\$356.51	-33.6%	\$2.4220	\$1.5149	\$1.2958	\$1.0056
	800		\$1,228	\$1,928		\$502	\$1,203		\$599	\$1,030	\$422	\$377	\$799	-\$898.42	-46.6%	-\$403.56	-33.6%	\$2.4105	\$1.5034	\$1.2875	\$0.9990
	900	\$780	\$1,382	\$2,161	\$780	\$565	\$1,345	\$479	\$674	\$1,153	\$470	\$425	\$894 \$000	-\$1,008.49	-46.7%	-\$450.60	-33.5%	\$2.4015	\$1.4944	\$1.2810	\$0.9938
	1,000 1,250	\$859 \$1.058	\$1,535	\$2,394 \$2.977	\$859 \$1.058	\$628 \$785	\$1,487	\$527 \$647	\$749 \$936	\$1,276	\$518 \$638	\$472 \$590	\$990 \$1.228	-\$1,118.57 -\$1.393.75	-46.7%	-\$497.64	-33.5% -33.4%	\$2.3944	\$1.4873 \$1.4743	\$1.2758 \$1.2664	\$0.9896 \$0.9821
	1,250	\$1,058	\$1,919 \$2.303	1 1 .	\$1,058	\$785 \$942	\$1,843	\$647 \$768	\$936 \$1.123	\$1,583 \$1.890	\$038 \$758	\$590 \$708	\$1,228 \$1,466		-46.8% -46.9%	-\$615.25 -\$732.85	-33.4%	\$2.3814 \$2.3728		\$1.2604	
	1,500	φ1,200	\$2,303	\$3,559	φ1,200	\$94Z	\$2,199	<b>φ/00</b>	\$I,IZ3	\$1,890	\$100	\$708	\$1,400	-\$1,008.93	-40.9%	-\$732.83	-33.3%	\$2.3728	\$1.4657	\$1.2002	\$0.9772
Estimated B	Sill Porcor	ntiloe																			
Winter -																1					
25%	70	\$99	\$107	\$206				\$77	\$52	\$129				-\$76.88	-37.3%			\$2.9445		\$1.8463	
Winter -		¢00	<b>\$</b> 101	¢200				••••	¢02	¢.20				¢10.00	01.070			¢2.0110		¢ 1.0 100	
50%	200	\$223	\$307	\$531				\$143	\$150	\$293				-\$237.99	-44.9%			\$2.6526		\$1.4627	
Winter -																					
75%	500	\$462	\$768	\$1,229				\$287	\$374	\$661				-\$568.20	-46.2%			\$2.4589		\$1.3225	
Summer -		T		,===																	
25%	0				\$18	\$0	\$18				\$35	\$0	\$35			\$17.00	94.5%		\$0.0000		\$0.0000
Summer -																					
50%	8				\$27	\$5	\$32				\$40	\$4	\$44			\$11.32	35.1%		\$4.0303		\$5.4448
Summer -																					
75%	45				\$70	\$28	\$98				\$59	\$21	\$80			-\$17.91	-18.3%		\$2.1803		\$1.7822

Estimated Bill Percentiles per 2010 MCS

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Present Rates	Winter	Summer	Proposed Rates	Winter	Summer
Cost of Gas	\$1.5352	\$0.6281	Cost of Gas	\$0.7010	\$0.4242
			LDAC	\$0.0475	
Customer charge Sales rate	\$18.00		Customer charge Sales rate	\$100.00	
First Block Size	80	80	First Block Size	1000	400
Second Block Size	120	120			
Block 1	\$1.1522	\$1.1522	Block 1	\$0.4672	\$0.4672
Block 2	\$0.9442	\$0.9442	Block 2	\$0.4055	\$0.4055
Block 3	\$0.7946	\$0.7946			

#### COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES KEENE DIVISION RATE COMMERCIAL/INDUSTRIAL TO ENERGYNORTH RATE G-42 : COMMERCIAL/INDUSTRIAL - MEDIUM ANNUAL USE, HIGH WINTER USE

1				Ma	athly Billo at	Present Ra	taa			Mon	bly Billo of [	Proposed R	otoo			Change in	Monthly Bill			Unit C	`eete	
\$		Use per		Winter	Tully Dills at	FIESCILINA	Summer			Winter	Thy Dhis at r	Toposeu IX	Summer		Win		Sumr	mor	Cur		Prop	beau
,		Month	Base	WIIItei		Base	Guinner		Base	COG /		Base	COG /				Guill		Oui	ent	1100	0360
7		(therms)	Rates	COG	TOTAL	Rates	COG	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
3		` '						-						-								
9		0	\$18	\$0	\$18	\$18	\$0	\$18	\$100	\$0	\$100	\$100	\$0	\$100	\$82.00	455.6%	\$82.00	455.6%	\$0.0000	\$0.0000	\$0.0000	\$0.0000
)		10	\$30	\$15	\$45	\$30	\$6	\$36	\$105	\$7	\$112	\$105	\$5	\$109	\$67.29	149.9%	\$73.59	205.5%	\$4.4874	\$3.5803	\$11.2161	\$10.9393
1		25	\$47	\$38	\$85	\$47	\$16	\$63	\$112	\$19	\$130	\$112	\$12	\$123	\$45.21	53.1%	\$60.97	97.5%	\$3.4074	\$2.5003	\$5.2159	\$4.9391
2		50	\$76	\$77	\$152	\$76	\$31	\$107	\$123	\$37	\$161	\$123	\$24	\$147	\$8.42	5.5%	\$39.94	37.3%	\$3.0474	\$2.1403	\$3.2158	\$2.9390
3		75	\$104	\$115	\$220	\$104	\$47	\$152	\$135	\$56	\$191	\$135	\$35	\$170	-\$28.37	-12.9%	\$18.90	12.5%	\$2.9274	\$2.0203	\$2.5491	\$2.2723
1		100	\$129	\$154	\$283	\$129	\$63	\$192	\$147	\$75	\$222	\$147	\$47	\$194	-\$61.00	-21.6%	\$2.03	1.1%	\$2.8258	\$1.9187	\$2.2158	\$1.9390
5		150	\$176	\$230	\$407	\$176	\$94	\$270	\$170	\$112	\$282	\$170	\$71	\$241	-\$124.18	-30.5%	-\$29.64	-11.0%	\$2.7103	\$1.8032	\$1.8824	\$1.6056
5		200	\$223	\$307	\$531	\$223	\$126	\$349	\$193	\$150	\$343	\$193	\$94	\$288	-\$187.37	-35.3%	-\$61.31	-17.6%	\$2.6526	\$1.7455	\$1.7158	\$1.4390
7		250	\$263	\$384	\$647	\$263	\$157	\$420	\$217	\$187	\$404	\$217	\$118	\$335	-\$243.07	-37.6%	-\$85.50	-20.3%	\$2.5880	\$1.6809	\$1.6158	\$1.3390
3		300	\$303	\$461	\$764	\$303	\$188	\$491	\$240	\$225	\$465	\$240	\$142	\$382	-\$298.77	-39.1%	-\$109.68	-22.3%	\$2.5450	\$1.6379	\$1.5491	\$1.2723
9		350	\$343	\$537	\$880	\$343	\$220	\$563	\$264	\$262	\$526	\$264	\$165	\$429	-\$354.48	-40.3%	-\$133.87	-23.8%	\$2.5143	\$1.6072	\$1.5015	\$1.2247
)		400	\$382	\$614	\$996	\$382	\$251	\$634	\$287	\$299	\$586	\$287	\$189	\$476	-\$410.18	-41.2%	-\$158.06	-24.9%	\$2.4912	\$1.5841	\$1.4658	\$1.1890
1		500	\$462	\$768	\$1,229	\$462	\$314	\$776	\$334	\$374	\$708	\$327	\$236	\$563	-\$521.58	-42.4%	-\$212.61	-27.4%	\$2.4589	\$1.5518	\$1.4158	\$1.1266
2		750	\$661	\$1,151	\$1,812	\$661	\$471	\$1,132	\$450	\$561	\$1,012	\$429	\$354	\$783	-\$800.10	-44.2%	-\$348.98	-30.8%	\$2.4159	\$1.5088	\$1.3491	\$1.0435
3		1,000	\$859	\$1,535	\$2,394	\$859	\$628	\$1,487	\$567	\$749	\$1,316	\$530	\$472	\$1,002	-\$1,078.61	-45.0%	-\$485.35	-32.6%	\$2.3944	\$1.4873	\$1.3157	\$1.0019
1		1,500	\$1,256	\$2,303	\$3,559		\$942	\$2,199	\$770	\$1,123	\$1,893	\$733	\$708		-\$1,666.50	-46.8%	-\$758.09	-34.5%	\$2.3728	\$1.4657	\$1.2618	\$0.9603
5		2,000	\$1,654	\$3,070	\$4,724		\$1,256	\$2,910	\$973	\$1,497	\$2,470	\$936	\$943		-\$2,254.39			-35.4%	\$2.3621	\$1.4550	\$1.2349	\$0.9396
5		3,000	\$2,448	\$4,606	\$7,054	\$2,448	\$1,884	\$4,333	\$1,378	\$2,246	\$3,624	\$1,341	\$1,415		-\$3,430.17		-\$1,576.31	-36.4%	\$2.3513	\$1.4442	\$1.2079	\$0.9188
<u> </u>		4,000	\$3,243	\$6,141	\$9,384	\$3,243	\$2,512	\$5,755	\$1,784	\$2,994	\$4,778	\$1,747	\$1,887		-\$4,605.96		-\$2,121.79	-36.9%	\$2.3459	\$1.4388	\$1.1945	\$0.9084
3		5,000	\$4,038	\$7,676	\$11,714	\$4,038	\$3,141	\$7,178	\$2,189	\$3,743	\$5,932	\$2,152	\$2,359	\$4,511	-\$5,781.74	-49.4%	-\$2,667.27	-37.2%	\$2.3427	\$1.4356	\$1.1864	\$0.9022
9																						
J	Estimated E Winter -	Sill Percer	ntiles																			
•	25%	1,300	\$1,098	\$1,996	\$3,093				\$689	\$973	¢1 660				-\$1,431.35	-46.3%			\$2.3795		\$1.2784	
I	25% Winter -	1,300	\$1,098	\$1,990	<b>\$</b> 3,093				2099	\$973	\$1,662				-\$1,431.35	-40.3%			\$2.3795		\$1.2784	
,	50%	2,000	\$1,654	\$3,070	\$4,724				\$973	\$1,497	\$2,470				-\$2,254.39	-47.7%			\$2.3621		\$1.2349	
<u> </u>	Winter -	2,000	\$1,034	\$3,070	<b>⊅</b> 4,7∠4				\$973	\$1,497	φ <b>2,</b> 470				-\$2,254.59	-41.170			φ2.302 I		φ1.2349	
2	75%	3.500	\$2.846	\$5.373	\$8,219				\$1.581	\$2.620	\$4,201				-\$4.018.07	-48.9%			\$2.3482		\$1.2002	
,	Summer -	3,300	φ2,040	φ3,575	φ0,219				φ1,501	φ2,020	φ <del>4</del> ,201				-\$4,010.07	-40.970			φ2.3402		φ1.2002	
1	25%	45				\$70	\$28	\$98				\$121	\$21	\$142			\$44.14	45.0%		\$2,1803		\$3,1612
•	Summer -	75				ψľΟ	ΨΖΟ	ψ90				ا 2 ، پ	ا ∠پ	ψ1+2			φττ.14	-5.0 /0		ψ2.1003		φ0.101Z
5	50%	350				\$343	\$220	\$563				\$264	\$165	\$429			-\$133.87	-23.8%		\$1.6072		\$1.2247
-	Summer -	500				<i>40</i> 10	<i><i><i></i></i></i>	÷000				\$204	¢.50	φ. <u>2</u> 0			¢.00.07	20.070		\$1.007 L		÷
6	75%	750				\$661	\$471	\$1,132				\$429	\$354	\$783			-\$348.98	-30.8%		\$1.5088		\$1.0435

Estimated Bill Percentiles per 2010 MCS

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Present Rates	Winter	Summer	Proposed Rates	Winter	Summer
Cost of Gas	\$1.5352	\$0.6281	Cost of Gas	\$0.7194	\$0.4610
			LDAC	\$0.0475	
Customer charge Sales rate	\$18.00		Customer charge Sales rate	\$35.00	
irst Block Size	80	80	First Block Size	100	100
Second Block Size	120	120			
Block 1	\$1.1522	\$1.1522	Block 1	\$0.3146	\$0.3146
Block 2	\$0.9442	\$0.9442	Block 2	\$0.2616	\$0.2616
Block 3	\$0,7946	\$0,7946			

#### COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES KEENE DIVISION RATE COMMERCIAL/INDUSTRIAL TO ENERGYNORTH RATE G-51 : COMMERCIAL/INDUSTRIAL - LOW ANNUAL USE, LOW WINTER USE

4																					
5			Mon	thly Bills at I	Present Ra	tes			Mont	hly Bills at P	roposed Ra	ates		С	hange in N	Monthly Bill			Unit (	Costs	
6	Use per		Winter			Summer			Winter			Summer		Winte	er	Summ	er	Cur	rent	Propo	osed
	Month	Base			Base			Base	COG /		Base	COG /									
7	(therms)	Rates	COG	TOTAL	Rates	COG	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
8																					
9	0	\$18	\$0	\$18	\$18	\$0	\$18	\$35	\$0	\$35	\$35	\$0	\$35	\$17.00	94.5%	\$17.00	94.5%	\$0.0000	\$0.0000	\$0.0000	\$0.0000
0	10	\$30	\$15	\$45	\$30	\$6	\$36	\$38	\$8	\$46	\$38	\$5	\$43	\$0.94	2.1%	\$7.43	20.8%	\$4.4874	\$3.5803	\$4.5818	\$4.3234
1	25	\$47	\$38	\$85	\$47	\$16	\$63	\$43	\$19	\$62	\$43	\$13	\$56	-\$23.15	-27.2%	-\$6.93	-11.1%	\$3.4074	\$2.5003	\$2.4816	\$2.2232
2	50	\$76	\$77	\$152	\$76	\$31	\$107	\$51	\$38	\$89	\$51	\$25	\$76	-\$63.29	-41.5%	-\$30.86	-28.8%	\$3.0474	\$2.1403	\$1.7815	\$1.5231
3	75	\$104	\$115	\$220	\$104	\$47	\$152	\$59	\$58	\$116	\$59	\$38	\$97	-\$103.44	-47.1%	-\$54.79	-36.2%	\$2.9274	\$2.0203	\$1.5482	\$1.2898
4	100	\$129	\$154	\$283	\$129	\$63	\$192	\$66	\$77	\$143	\$66	\$51	\$117	-\$139.43	-49.3%	-\$74.56	-38.9%	\$2.8258	\$1.9187	\$1.4315	\$1.1731
5	150	\$176	\$230	\$407	\$176	\$94	\$270	\$80	\$115	\$195	\$80	\$76	\$156	-\$211.97	-52.1%	-\$114.67	-42.4%	\$2.7103	\$1.8032	\$1.2972	\$1.0388
6	200	\$223	\$307	\$531	\$223	\$126	\$349	\$93	\$153	\$246	\$93	\$102	\$194	-\$284.52	-53.6%	-\$154.78	-44.3%	\$2.6526	\$1.7455	\$1.2300	\$0.9716
7	250	\$263	\$384	\$647	\$263	\$157	\$420	\$106	\$192	\$297	\$106	\$127	\$233	-\$349.59	-54.0%	-\$187.41	-44.6%	\$2.5880	\$1.6809	\$1.1897	\$0.9313
8	300	\$303	\$461	\$764	\$303	\$188	\$491	\$119	\$230	\$349	\$119	\$153	\$271	-\$414.65	-54.3%	-\$220.04	-44.8%	\$2.5450	\$1.6379	\$1.1628	\$0.9044
9	350	\$343	\$537	\$880	\$343	\$220	\$563	\$132	\$268	\$400	\$132	\$178	\$310	-\$479.72	-54.5%	-\$252.67	-44.9%	\$2.5143	\$1.6072	\$1.1436	\$0.8852
0	400	\$382	\$614	\$996	\$382	\$251	\$634	\$145	\$307	\$452	\$145	\$203	\$348	-\$544.78	-54.7%	-\$285.30	-45.0%	\$2.4912		\$1.1292	\$0.8708
1	500	\$462	\$768	\$1,229	\$462	\$314	\$776	\$171	\$383	\$555	\$171	\$254	\$425	-\$674.91	-54.9%	-\$350.56	-45.2%	\$2.4589		\$1.1091	\$0.8507
2	600	\$541	\$921	\$1,462	\$541	\$377	\$918	\$197	\$460	\$657	\$197	\$305	\$502	-\$805.04	-55.0%	-\$415.82	-45.3%	\$2.4374	\$1.5303	\$1.0957	\$0.8373
3	700	\$621	\$1,075	\$1,695	\$621	\$440	\$1,060	\$223	\$537	\$760	\$223	\$356	\$579	-\$935.18	-55.2%	-\$481.09	-45.4%	\$2.4220	\$1.5149	\$1.0861	\$0.8277
4	800	\$700	\$1,228	\$1,928	\$700	\$502	\$1,203	\$250	\$614	\$863	\$250	\$407	\$656	-\$1,065.31	-55.2%	-\$546.35	-45.4%	\$2.4105	\$1.5034	\$1.0789	\$0.8205
5	900	\$780	\$1,382	\$2,161	\$780	\$565	\$1,345	\$276	\$690	\$966	\$276	\$458	\$733	-\$1,195.44	-55.3%	-\$611.61	-45.5%	\$2.4015	\$1.4944	\$1.0733	\$0.8149
6	1,000	\$859	\$1,535	\$2,394	\$859	\$628	\$1,487	\$302	\$767	\$1,069	\$302	\$509	\$810	-\$1,325.57	-55.4%	-\$676.87	-45.5%	\$2.3944	\$1.4873	\$1.0688	\$0.8104
7	1,250	\$1,058	\$1,919	\$2,977	\$1,058	\$785	\$1,843	\$367	\$959	\$1,326	\$367	\$636	\$1,003	-\$1,650.90	-55.5%	-\$840.02	-45.6%	\$2.3814	\$1.4743	\$1.0607	\$0.8023
8	1,500	\$1,256	\$2,303	\$3,559	\$1,256	\$942	\$2,199	\$433	\$1,150	\$1,583	\$433	\$763	\$1,195	-\$1,976.22	-55.5%	-\$1,003.17	-45.6%	\$2.3728	\$1.4657	\$1.0554	\$0.7970
9																					
0 Estimated Bill Pe																					
1 Winter - 25%	45	\$70	\$69	\$139				\$49	\$35	\$84				-\$55.26	-39.8%			\$3.0874		\$1.8593	
2 Winter - 50%	175	\$200	\$269	\$469				\$86	\$134	\$220				-\$248.25	-53.0%			\$2.6773		\$1.2588	
3 Winter - 75%	450	\$422	\$691	\$1,113	005			\$158	\$345	\$503				-\$609.85	-54.8%			\$2.4733		\$1.1180	
4 Summer - 25%	6				\$25	\$4	\$29				\$37	\$3	\$40			\$11.26			\$4.7803		\$6.6569
5 Summer - 50%	60				\$87	\$38	\$125				\$54	\$31	\$84			-\$40.43	-32.4%		\$2.0803		\$1.4065
6 Summer - 75%	250				\$263	\$157	\$420				\$106	\$127	\$233			-\$187.41	-44.6%		\$1.6809		\$0.9313

Estimated Bill Percentiles per 2010 MCS

 $\begin{array}{c} 18\\ 19\\ 20\\ 21\\ 22\\ 32\\ 4\\ 25\\ 26\\ 27\\ 28\\ 29\\ 30\\ 31\\ 32\\ 33\\ 34\\ 35\\ 36\\ 7\\ 8\\ 39\\ 40\\ 41\\ 42\\ 43\\ 445\\ 46\end{array}$ 

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#### Present Rates Winter Summer Proposed Rates Winter Summer Cost of Gas \$1.5352 \$0.6281 Cost of Gas \$0.7194 \$0.4610 LDAC \$0.0475 Customer charge \$18.00 Customer charge \$100.00 Sales rate Sales rate First Block Size First Block Size 80 80 1000 1000 Second Block Size 120 120 Block 1 \$1.1522 \$1.1522 Block 1 \$0.2746 \$0.2293 Block 2 \$0.9442 \$0.9442 Block 2 \$0.2425 \$0.1558 Block 3 \$0.7946 \$0.7946

COMPARATIVE MONTHLY BILLING UNDER PRESENT AND PROPOSED RATES KEENE DIVISION RATE COMMERCIAL/INDUSTRIAL TO ENERGYNORTH RATE G-52 : COMMERCIAL/INDUSTRIAL - MEDIUM ANNUAL USE, LOW WINTER USE

1																						
5					nthly Bills at	Present Ra					hly Bills at F	Proposed R					Monthly Bill			Unit C		
6		Use per		Winter			Summer			Winter		_	Summer		Winte	er	Summ	ner	Cur	rent	Propo	osed
		Month	Base	000	TOTAL	Base	COG	TOTAL	Base	COG / LDAC	TOTAL	Base	COG / LDAC	TOTAL	<u>^</u>	0/		0/	140-4		14/2-14-14	
(		(therms)	Rates	COG	TOTAL	Rates	COG	TOTAL	Rates	LDAC	TOTAL	Rates	LDAC	TOTAL	\$	%	\$	%	Winter	Summer	Winter	Summer
2		200	\$223	\$307	\$531	\$223	\$126	\$349	\$155	\$153	\$308	\$146	\$102	\$248	-\$222.22	-41.9%	-\$101.54	-29.1%	\$2.6526	\$1,7455	\$1.5415	\$1.2378
, \		300	\$303	\$307 \$461	\$764	\$303	\$120	\$349 \$491	\$133	\$133	\$308 \$412	\$140	\$102	\$240 \$321	-\$222.22	-41.9%	-\$101.54	-29.1%	\$2.5450	\$1.6379	\$1.3748	\$1.2378
,		400	\$382	\$614	\$996	\$382	\$251	\$634	\$210	\$307	\$517	\$192	\$203	\$395	-\$479.88	-48.2%	-\$238.52	-37.6%	\$2.4912	\$1.5841	\$1.2915	\$0.9878
>		500	\$462	\$768	\$1,229	\$462	\$314	\$776	\$237	\$383	\$621	\$215	\$254	\$469	-\$608.71	-49.5%	-\$307.01	-39.6%	\$2.4589	\$1.5518	\$1.2415	\$0.9378
-		600	\$541	\$921	\$1,462	\$541	\$377	\$918	\$265	\$460	\$725	\$238	\$305	\$543	-\$737.54	-50.4%	-\$375.50	-40.9%	\$2.4374	\$1.5303	\$1.2082	\$0.9045
í		700	\$621	\$1,075	\$1,695	\$621	\$440	\$1,060	\$292	\$537	\$829	\$261	\$356	\$616	-\$866.37	-51.1%	-\$443.99	-41.9%	\$2.4220	\$1.5149	\$1.1844	\$0.8807
5		800	\$700	\$1,228	\$1,928	\$700	\$502	\$1,203	\$320	\$614	\$933	\$283	\$407	\$690	-\$995.20	-51.6%	-\$512.48	-42.6%	\$2,4105	\$1.5034	\$1.1665	\$0.8628
6		900	\$780	\$1,382	\$2,161	\$780	\$565	\$1,345	\$347	\$690	\$1,037	\$306	\$458	\$764	-\$1,124.03	-52.0%	-\$580.97	-43.2%	\$2.4015	\$1.4944	\$1.1526	\$0.8489
7		1,000	\$859	\$1,535	\$2,394	\$859	\$628	\$1,487	\$375	\$767	\$1,141	\$329	\$509	\$838	-\$1,252.86	-52.3%	-\$649.46	-43.7%	\$2.3944	\$1.4873	\$1.1415	\$0.8378
3		1,100	\$939	\$1,689	\$2,627	\$939	\$691	\$1,630	\$399	\$844	\$1,242	\$345	\$559	\$904	-\$1,384.90	-52.7%	-\$725.29	-44.5%	\$2.3885	\$1.4814	\$1.1295	\$0.8220
9		1,200	\$1,018	\$1,842	\$2,860	\$1,018	\$754	\$1,772	\$423	\$920	\$1,343	\$360	\$610	\$971	-\$1,516.94	-53.0%	-\$801.13	-45.2%	\$2.3836	\$1.4765	\$1.1195	\$0.8089
)		1,300	\$1,098	\$1,996	\$3,093	\$1,098	\$817	\$1,914	\$447	\$997	\$1,444	\$376	\$661	\$1,037	-\$1,648.98	-53.3%	-\$876.96	-45.8%	\$2.3795	\$1.4724	\$1.1110	\$0.7978
1		1,400	\$1,177	\$2,149	\$3,326	\$1,177	\$879	\$2,056	\$472	\$1,074	\$1,545	\$392	\$712	\$1,104	-\$1,781.02	-53.5%	-\$952.79	-46.3%	\$2.3759	\$1.4688	\$1.1038	\$0.7882
2		1,500	\$1,256	\$2,303	\$3,559	\$1,256	\$942	\$2,199	\$496	\$1,150	\$1,646	\$407	\$763		-\$1,913.06	-53.7%	-\$1,028.63	-46.8%	\$2.3728	\$1.4657	\$1.0975	\$0.7800
3		1,750	\$1,455	\$2,687	\$4,142	\$1,455	\$1,099	\$2,554	\$556	\$1,342	\$1,899	\$446	\$890		-\$2,243.17	-54.2%		-47.7%	\$2.3667	\$1.4596	\$1.0849	\$0.7635
1		2,000	\$1,654	\$3,070	\$4,724	\$1,654	\$1,256	\$2,910	\$617	\$1,534	\$2,151	\$485	\$1,017	\$1,502		-54.5%		-48.4%	\$2.3621	\$1.4550	\$1.0754	\$0.7511
5		2,500	\$2,051	\$3,838	\$5,889	\$2,051	\$1,570	\$3,621	\$738	\$1,917	\$2,656	\$563	\$1,271		-\$3,233.47	-54.9%		-49.3%	\$2.3556	\$1.4485	\$1.0622	\$0.7337
6		3,000	\$2,448	\$4,606	\$7,054	\$2,448	\$1,884	\$4,333	\$860	\$2,301	\$3,160	\$641	\$1,526	\$2,167		-55.2%		-50.0%	\$2.3513	\$1.4442	\$1.0534	\$0.7222
7		4,000	\$3,243	\$6,141	\$9,384	\$3,243	\$2,512	\$5,755	\$1,102	\$3,068	\$4,170	\$797	\$2,034	\$2,831		-55.6%		-50.8%	\$2.3459	\$1.4388	\$1.0424	\$0.7077
3		5,000	\$4,038	\$7,676	\$11,714	\$4,038	\$3,141	\$7,178	\$1,344	\$3,835	\$5,179	\$953	\$2,543	\$3,495	-\$6,534.49	-55.8%	-\$3,682.82	-51.3%	\$2.3427	\$1.4356	\$1.0358	\$0.6990
)																						
)	Estimated E	Bill Percer	ntiles																			
	Winter - 25%	1.040	\$891	¢4 507	¢0.400				\$384	\$798	¢4 400				¢1 205 60	-52.5%			\$2.3919		\$1.1364	
1	Winter -	1,040	\$09 I	\$1,597	\$2,488				φ304	\$198	\$1,182				-\$1,305.68	-52.5%			\$2.3919		\$1.1304	
,	50%	2,000	\$1,654	\$3,070	\$4,724				\$617	\$1,534	\$2,151				-\$2,573.27	-54.5%			\$2.3621		\$1.0754	
-	Winter -	2,000	ψ1,004	φ3,070	φ <del>4</del> ,724				ψ017	φ1,554	φ2,131				-92,575.27	-04.070			φ2.3021		\$1.0734	
2	75%	3,500	\$2.846	\$5,373	\$8,219				\$981	\$2,684	\$3,665				-\$4,553.88	-55.4%			\$2.3482		\$1.0471	
,	Summer -	3,300	φ2,040	ψ0,070	ψ0,213				φ001	φ2,004	ψ0,000				-\$4,555.00	-55.470			Ψ2.0402		φ1.0471	
L	25%	700				\$621	\$440	\$1,060				\$261	\$356	\$616			-\$443.99	-41.9%		\$1.5149		\$0.8807
-	Summer -						φ. <del>το</del>	φ.,000				÷=0.	<i>4000</i>	<i>4010</i>			÷			÷		20.0001
5	50%	1,040				\$891	\$653	\$1,544				\$336	\$529	\$864			-\$679.79	-44.0%		\$1.4848		\$0.8311
	Summer -																					
6	75%	2,000				\$1,654	\$1,256	\$2,910				\$485	\$1,017	\$1,502			-\$1,407.80	-48.4%		\$1.4550		\$0.7511

Estimated Bill Percentiles per 2010 MCS

Line 1

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