

Nicor Proposed Rate Design - Summary of Residential Base Rate Bill Impacts

Rate 1 - No Heat

Percentile Rank	Number of Customers	Percent of Customers	Present Annual Bill	Nicor		Percent Increase
				Proposed Annual Bill	Annual Increase	
1%	3,623	0.21%	102.45	164.03	61.58	60.1%
20%	13,853	0.79%	114.08	174.07	59.99	52.6%
50%	5,401	0.31%	138.02	194.83	56.81	41.2%
80%	1,934	0.11%	160.33	220.10	59.77	37.3%
100%	432	0.02%	381.65	436.44	54.79	14.4%
	25,243	1.45%				

Rate 1 - Heat

Percentile Rank	Number of Customers	Percent of Customers	Present Annual Bill	Nicor		Percent Increase
				Proposed Annual Bill	Annual Increase	
1%	69,171	3.97%	141.79	199.16	57.37	40.5%
20%	517,117	29.65%	171.16	226.96	55.80	32.6%
50%	550,199	31.55%	190.61	246.76	56.15	29.5%
80%	409,138	23.46%	213.55	269.86	56.31	26.4%
100%	173,295	9.94%	1,757.95	1,812.75	54.80	3.1%
	1,718,920	98.55%				
	1,744,163	100.00%				

Sources:

Number of customers and percent of customers from Mudra rebuttal, Table 1
 All other data from Nicor response to Staff CB 1.01, Exhibits 3(a) and 3(b)

**Comparison of Residential Fixed Cost Recovery If Rider VBA Had Been Effective in Case 04-0779
 Using 2009 Normalized Data to Show Annual Difference**

	<u>Case 04-0779</u>				<u>Present Case (2009 Normalized Data)</u>			<u>Difference</u>	
	Billing Units as Filed	Billing Units as Approved	Rate	Revenue	Billing Units as Filed	Rate	Revenue	Billing Units	Revenue
Customer Charge	23,151,170	23,151,170	8.4000	\$ 194,469,828	24,065,833	8.4000	\$ 202,152,997	914,663	\$ 7,683,169
First 20 therms	419,938,000	428,479,540	0.1473	\$ 63,115,036	419,114,000	0.1473	\$ 61,735,492	(9,365,540)	\$ (1,379,544)
Next 30 therms	409,096,000	417,417,014	0.0579	24,168,445	425,950,000	0.0579	24,662,505	8,532,986	494,060
Over 50 therms	<u>1,427,062,000</u>	<u>1,456,088,446</u>	0.0519	<u>75,570,990</u>	<u>1,304,454,000</u>	0.0519	<u>67,701,163</u>	<u>(151,634,446)</u>	<u>(7,869,827)</u>
Total volumetric	2,256,096,000	2,301,985,000		\$ 162,854,471	2,149,518,000		\$ 154,099,160	(152,467,000)	\$ (8,755,311)
Total revenue				\$ 357,324,299			\$ 356,252,157		\$ (1,072,142)
Volumetric fixed	80.47%			\$ 131,048,993			\$ 124,003,594		\$ (7,045,399)
Total fixed revenue				\$ 325,518,821			\$ 326,156,591		\$ 637,770

Sources:

Nicor Sch. E-5 from each case

Total volumetric billing units from ICC Order in Docket 04-0779, page 105

**Example of Impact on Residential Customers If Rider VBA Had Been Effective in Case 04-0779
Using 2009 Normalized Data to Show Level of Rate Increase in One Year**

Formula: $VBA = ((RCM / RCC) - (AM / AC)) \times PFC \times RCC / T \times 100$ cents per therm

RCM: delivery charge revenues, excluding customer charge revenues, last case

RCC: number of customers in last case

AM: delivery charge revenues, excluding customer charge revenues, current

AC: actual number of customers

PFC: percentage of fixed costs in volumetric charges

T: number of therms delivered to customers

RCM	\$ 162,854,471	
RCC	1,929,264	customers
AM	\$ 154,099,160	
AC	2,005,486	customers
PFC	80.47%	
T	2,149,518,000	therms
VBA	0.5470	cents per therm
x therms	2,149,518,000	
VBA revenue	\$ 11,758,367	

Sources:

PFC value from Nicor Ex. 29.0, line 1145

All other values from AG/CUB Ex. 5.02

**Comparison of Residential Customer Consumption Distribution:
Actual Company Data Compared to AG/CUB Analysis of 1.3 Million Customers**

Percentile Rank	Range of Consumption (therms / year)	Actual Percent of Customers	Percent of Customers in AG/CUB Database
1%	less than 454	5%	4%
20%	455 to 917	30%	25%
50%	918 to 1309	32%	36%
80%	1310 to 1778	23%	24%
100%	more than 1778	10%	11%

Sources:

Range of consumption from Nicor response to Staff CB 1.01 Exhibits 3(a) and 3(b)

Actual percent of customers from Mudra rebuttal, Table 1

Percent of customers in database calculated from database

Northern Illinois Gas Company d/b/a Nicor Gas Company
ICC Docket No. 08-0363

Comparison of Nicor Unprotected Mains to 20 Largest Gas Distribution Companies (by Miles of Main)

Source: US Office of Pipeline Safety, Annual Reports for Gas Distribution Utilities, <http://ops.dot.gov/stats/DT98.htm>

	Total Miles of Main	Rank	Miles of Unprotected Bare Steel	Miles of Cast Iron	Miles of Unprotected Mains	Unprotected as % of Total	Rank
SOUTHERN CALIFORNIA GAS CO	47,566	1	3,381	-	3,381	7.1%	67
PACIFIC GAS & ELECTRIC CO	41,804	2	213	183	396	0.9%	35
NORTHERN ILLINOIS GAS CO	32,808	3	125	438	563	1.7%	43
ATLANTA GAS LIGHT CO	30,281	4	534	88	622	2.1%	44
ENTEX, A NORAM ENERGY COMPANY	29,134	5	-	5	5	0.0%	26
ATMOS ENERGY CORPORATION, MID-TEX DIVISION	28,357	6	3,486	875	4,361	15.4%	78
CONSUMERS ENERGY CO	25,924	7	240	702	942	3.6%	50
PUBLIC SERVICE CO OF COLORADO	20,914	8	99	111	210	1.0%	37
COLUMBIA GAS OF OHIO INC	19,706	9	3,616	279	3,895	19.8%	84
DOMINION EAST OHIO	19,584	10	3,498	112	3,610	18.4%	81
MICHIGAN CONSOLIDATED GAS CO (MICHCON)	18,693	11	571	2,728	3,299	17.6%	79
SOUTHWEST GAS CORP	18,382	12	-	-	-	0.0%	1
PUBLIC SERVICE ELECTRIC & GAS CO	17,618	13	516	4,438	4,954	28.1%	91
OKLAHOMA NATURAL GAS CO	16,161	14	1,018	-	1,018	6.3%	64
QUESTAR GAS COMPANY	15,245	15	-	-	-	0.0%	1
NORTHERN INDIANA PUBLIC SERVICE CO	14,561	16	59	6	65	0.4%	33
PIEDMONT NATURAL GAS CO INC	14,229	17	-	-	-	0.0%	1
ENERGAS CO	13,788	18	1,004	-	1,004	7.3%	68
RELIANT ENERGY ARKLA	13,281	19	319	238	557	4.2%	52
CENTERPOINT ENERGY MINNESOTA GAS	13,059	20	467	82	549	4.2%	53
INDIANA GAS CO INC	12,333	21	810	177	987	8.0%	69
PUGET SOUND ENERGY	11,740	22	74	60	134	1.1%	40
NORTHWEST NATURAL GAS CO	11,411	23	40	-	40	0.4%	31
KANSAS GAS SERVICE	11,110	24	414	158	572	5.1%	60
PEOPLES GAS SYSTEM INC	10,577	25	409	176	585	5.5%	61

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ALABAMA GAS CORPORATION	10,519	26	351	1,079	1,430	13.6%	76
WISCONSIN GAS CO	10,442	27	-	-	-	0.0%	1
PUBLIC SERVICE COMPANY OF NEW MEXICO	10,112	28	-	-	-	0.0%	1
PUBLIC SERVICE CO OF NORTH CAROLINA	9,672	29	0	12	12	0.1%	27
NATIONAL FUEL GAS DISTRIBUTION CORP - NEW YORK	9,544	30	2,278	448	2,726	28.6%	92
MIDAMERICAN ENERGY COMPANY	9,196	31	70	35	105	1.1%	41
WE ENERGIES	9,081	32	-	-	-	0.0%	1
TEXAS GAS SERVICE COMPANY	8,847	33	358	85	443	5.0%	58
XCEL ENERGY	8,571	34	49	20	69	0.8%	34
NIAGARA MOHAWK POWER CORP	8,508	35	65	745	810	9.5%	71
MISSOURI GAS ENERGY	8,463	36	-	369	369	4.4%	55
SAN DIEGO GAS & ELECTRIC CO	8,338	37	-	-	-	0.0%	1
LACLEDE GAS CO	8,314	38	14	866	880	10.6%	74
LOUISIANA GAS SERVICE CO	8,248	39	4	17	21	0.3%	28
SOUTH CAROLINA ELECTRIC & GAS CO	8,061	40	-	-	-	0.0%	1
AMERENIP	7,961	41	-	-	-	0.0%	1
KEYSPAN ENERGY DELIVERY - LONG ISLAND	7,521	42	2,723	393	3,116	41.4%	96
WISCONSIN PUBLIC SERVICE CORP	7,503	43	-	-	-	0.0%	1
SOUTHWEST GAS CORP	7,457	44	-	-	-	0.0%	1
COLUMBIA GAS OF PENNSYLVANIA	7,321	45	2,081	72	2,153	29.4%	93
BALTIMORE GAS & ELECTRIC CO	6,832	46	86	1,363	1,449	21.2%	85
PECO ENERGY CO	6,658	47	362	829	1,191	17.9%	80
NEW JERSEY NATURAL GAS CO	6,619	48	440	90	530	8.0%	70
ATMOS ENERGY CORPORATION - MISSISSIPPI DIV	6,256	49	-	62	62	1.0%	36
BOSTON GAS CO	6,219	50	960	2,272	3,232	52.0%	98

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	Total Miles of Main	Rank	Miles of Unprotected Bare Steel	Miles of Cast Iron	Miles of Unprotected Mains	Unprotected as % of Total	Rank
SEMCO ENERGY GAS COMPANY	5,832	51	164	49	213	3.6%	51
SOUTH JERSEY GAS CO	5,721	52	1,103	260	1,363	23.8%	87
INTERMOUNTAIN GAS CO	5,572	53	-	-	-	0.0%	1
WASHINGTON GAS LIGHT CO	5,491	54	39	18	57	1.0%	38
DUKE ENERGY OHIO	5,478	55	107	455	562	10.3%	73
WASHINGTON GAS LIGHT CO	5,255	56	155	77	232	4.4%	56
VECTREN ENERGY DELIVERY OF OHIO	5,219	57	481	173	654	12.5%	75
VIRGINIA NATURAL GAS	5,208	58	7	106	113	2.2%	45
U G I CORP	5,146	59	288	418	706	13.7%	77
AMERENCIPS	5,024	60	-	-	-	0.0%	1
MOUNTAINEER GAS CO	4,977	61	1,617	-	1,617	32.5%	94
NATIONAL FUEL GAS DISTRIBUTION CORP	4,917	62	1,012	91	1,103	22.4%	86
MEMPHIS LIGHT GAS & WATER DIVISION	4,797	63	-	139	139	2.9%	48
BAY STATE GAS CO	4,785	64	338	807	1,145	23.9%	88
WEST TEXAS GAS INC	4,755	65	125	-	125	2.6%	47
COLUMBIA GAS OF VIRGINIA INC	4,748	66	294	12	306	6.4%	65
ROCHESTER GAS & ELECTRIC CORP	4,666	67	201	110	311	6.7%	66
NEW YORK STATE ELECTRIC & GAS CORP	4,653	68	205	1	206	4.4%	57
SOURCEGAS LLC	4,641	69	-	-	-	0.0%	1
NORTHWESTERN ENERGY LLC	4,370	70	-	-	-	0.0%	1
ARKANSAS WESTERN GAS CO	4,360	71	418	2	420	9.6%	72
CONSOLIDATED EDISON CO OF NEW YORK	4,264	72	1,239	1,386	2,625	61.6%	100
CASCADE NATURAL GAS CORP	4,224	73	-	-	-	0.0%	1
LOUISVILLE GAS & ELECTRIC CO	4,203	74	83	96	179	4.3%	54
ALLIANT ENERGY - INTERSTATE POWER AND LIGHT CO	4,188	75	-	-	-	0.0%	1

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KEYSPAN ENERGY DELIVERY - NY CITY	4,033	76	402	1,767	2,169	53.8%	99
PEOPLES GAS LIGHT & COKE CO	4,029	77	-	1,629	1,629	40.4%	95
CITIZENS GAS & COKE UTILITY	4,019	78	6	62	68	1.7%	42
RELIANT ENERGY ARKLA	3,876	79	5	194	199	5.1%	59
ALLIANT ENERGY - WISCONSIN POWER & LIGHT CO	3,825	80	-	-	-	0.0%	1
ATMOS ENERGY CORP, COLORADO - KANSAS DIV	3,722	81	14	-	14	0.4%	32
AMERENCILCO	3,681	82	-	-	-	0.0%	1
ATMOS ENERGY CORP - KY/MID STATES DIV	3,673	83	204	2	206	5.6%	62
PPL GAS UTILITIES CORP	3,658	84	652	25	677	18.5%	82
ENTEX, A NORAM ENERGY COMPANY	3,657	85	-	-	-	0.0%	1
MICHIGAN GAS UTILITIES CO	3,591	86	40	-	40	1.1%	39
PIEDMONT NATURAL GAS CO INC	3,440	87	-	-	-	0.0%	1
ATMOS ENERGY CORP, COLORADO - KANSAS DIV	3,419	88	110	-	110	3.2%	49
AVISTA CORP	3,370	89	-	-	-	0.0%	1
AVISTA CORP	3,370	90	-	-	-	0.0%	1
AQUILA NETWORKS	3,354	91	155	43	198	5.9%	63
EQUITABLE RESOURCES (A.K.A EQUITABLE GAS CO)	3,324	92	807	47	854	25.7%	89
MIDDLE TENNESSEE NATURAL GAS UTIL DIST	3,280	93	-	-	-	0.0%	1
ENTEX, A NORAM ENERGY COMPANY	3,228	94	-	9	9	0.3%	29
YANKEE GAS SERVICES CO	3,167	95	130	463	593	18.7%	83
ATMOS ENERGY CORP - KY/MID STATES DIV	3,103	96	78	-	78	2.5%	46
NIAGARA MOHAWK POWER CORP	3,102	97	440	900	1,340	43.2%	97
MINNESOTA ENERGY RESOURCES CORPORATION	3,091	98	9	-	9	0.3%	30
PIEDMONT NATURAL GAS CO INC	3,088	99	-	-	-	0.0%	1
NSTAR GAS COMPANY	3,086	100	359	445	804	26.1%	90