

**ENERGYNORTH  
NATURAL GAS, INC.**

**(d/b/a KeySpan Energy Delivery New England)**

**INTEGRATED  
RESOURCE PLAN**

**(November 1, 2006 – October 31, 2011)**

**DG 06-105**

**APPENDIX A**



# APPENDIX A

KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Commercial & Industrial Customers Forecasting (2006 – 2010)

Model	D1	D2	D3	ARIMA	Winter's	Weighted C & I Customers
Var	CUSCI	CUSCI	CUSCI	CUSCI	CUSCI	
Dependent	CUSCI_1	CUSCI_1	CUSCI_1			
Independent	POP	LBFC	GSP			
	AUTO(-4)	AUTO(-4)	AUTO(-4)			

Weight	20.00%	20.00%	20.00%	20.00%	20.00%	100.00%
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### Commercial & Industrial Customer Forecast – Percent Growth from Base Year (2005)

2006Q4-2007Q3	2.04%	1.95%	5.87%	2.55%	2.69%	3.03%
2007Q4-2008Q3	1.77%	1.70%	6.33%	2.63%	2.61%	3.04%
2008Q4-2009Q3	1.88%	1.83%	6.54%	2.53%	2.55%	3.13%
2009Q4-2010Q3	1.69%	1.67%	6.44%	2.43%	2.48%	3.04%
2010Q4-2011Q3	1.47%	1.43%	6.19%	2.42%	2.42%	2.91%
Average	1.77%	1.72%	6.27%	2.51%	2.55%	3.03%

### Commercial & Industrial Customer Forecast (Annual)

2005Q4-2006Q3	10,486	10,482	10,643	10,549	10,442	10,520
2006Q4-2007Q3	10,700	10,687	11,267	10,818	10,723	10,839
2007Q4-2008Q3	10,890	10,869	11,980	11,102	11,003	11,169
2008Q4-2009Q3	11,094	11,068	12,764	11,382	11,283	11,518
2009Q4-2010Q3	11,281	11,253	13,585	11,659	11,563	11,868
2010Q4-2011Q3	11,448	11,413	14,425	11,942	11,843	12,214
Average	10,983	10,962	12,444	11,242	11,143	11,355

### Commercial & Industrial Customer Forecast (Quarterly)

2005Q1	10,053	10,053	10,053	10,053	10,053	10,053
2005Q2	10,202	10,202	10,202	10,202	10,202	10,202
2005Q3	10,703	10,703	10,703	10,703	10,703	10,703
2005Q4	10,325	10,325	10,325	10,325	10,325	10,325
2006Q1	10,369	10,366	10,485	10,602	10,500	10,464
2006Q2	10,466	10,461	10,677	10,584	10,429	10,524
2006Q3	10,784	10,777	11,085	10,684	10,514	10,769
2006Q4	10,560	10,550	10,940	10,609	10,607	10,653
2007Q1	10,621	10,609	11,132	10,751	10,780	10,779
2007Q2	10,704	10,689	11,331	10,759	10,709	10,839
2007Q3	10,916	10,900	11,665	11,153	10,794	11,086
2007Q4	10,788	10,770	11,653	10,865	10,887	10,993
2008Q1	10,843	10,822	11,853	11,092	11,060	11,134
2008Q2	10,895	10,872	12,061	11,136	10,989	11,191
2008Q3	11,034	11,011	12,354	11,313	11,074	11,357
2008Q4	10,986	10,961	12,432	11,171	11,167	11,343
2009Q1	11,053	11,027	12,643	11,352	11,340	11,483
2009Q2	11,106	11,079	12,856	11,336	11,270	11,529
2009Q3	11,232	11,206	13,123	11,671	11,355	11,717
2009Q4	11,217	11,189	13,254	11,431	11,447	11,708
2010Q1	11,243	11,214	13,469	11,630	11,620	11,835
2010Q2	11,298	11,270	13,684	11,678	11,550	11,896
2010Q3	11,368	11,339	13,933	11,899	11,635	12,035
2010Q4	11,365	11,335	14,098	11,722	11,727	12,049
2011Q1	11,417	11,387	14,314	11,922	11,900	12,188
2011Q2	11,463	11,429	14,528	11,910	11,830	12,232
2011Q3	11,545	11,503	14,762	12,212	11,915	12,387
2011Q4	11,544	11,517	14,943	11,997	12,007	12,402

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Number of Commercial and Industrial Customers Forecasting

Regression Model: D1  
 Dependent Variable: CUSCI  
 Independent Variable: CUSCI\_1 POP Auto(-4)

Size 85 Parameter: 3  
 Mean 7462.374 Std Dev 1741.739  
 R-Square 0.9994 DW 2.3058  
 SSE 3017373 MSE 35499

Term	CUSCI_1	POP	Auto(-4)
Estimate	0.9309	0.5111	-0.621
Std Error	0.0378	0.25	0.0917
T-Ratio	24.66	2.04	-6.77
Pr>[t]	<.0001	0.044	<.0001

## Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	9999.551	10369.02	10738.49
2006Q2	10092.65	10466.01	10839.38
2006Q3	10406.78	10784.19	11161.6
2006Q4	10177.34	10559.87	10942.41
2007Q1	10234.57	10620.96	11007.36
2007Q2	10313.82	10704.07	11094.33
2007Q3	10521.86	10916.05	11310.25
2007Q4	10389.58	10788.31	11187.03
2008Q1	10440.19	10842.68	11245.16
2008Q2	10488.4	10894.61	11300.82
2008Q3	10624.57	11034.48	11444.39
2008Q4	10571.63	10985.53	11399.43
2009Q1	10635.41	11052.89	11470.36
2009Q2	10685.06	11106.14	11527.21
2009Q3	10807.77	11232.42	11657.08
2009Q4	10788.34	11216.82	11645.29
2010Q1	10810.6	11242.61	11674.63
2010Q2	10863.02	11298.47	11733.92
2010Q3	10928.81	11367.68	11806.56
2010Q4	10922.47	11364.8	11807.14
2011Q1	10975.09	11417.43	11866.29
2011Q2	11022.87	11463	11920.59
2011Q3	11076.43	11545.11	11980.63
2011Q4	11120.21	11544.04	12030.91

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Number of Commercial and Industrial Customers Forecasting

Regression Model: D2  
 Dependent Variable: CUSCI  
 Independent Variable: CUSCI\_1 LBFC Auto(-4)

Size 85 Parameter: 3  
 Mean 7462.374 Std Dev 1741.739  
 R-Square 0.9994 DW 2.2967  
 SSE 3007516 MSE 35383

Term	CUSCI_1	LBFC	Auto(-4)
Estimate	0.9237	1.0101	-0.6224
Std Error	0.04	0.4792	0.0917
T-Ratio	23.11	2.11	-6.79
Pr>[t]	<.0001	0.038	<.0001

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	9954.965	10366.26	10777.55
2006Q2	10087.68	10460.75	10833.81
2006Q3	10399.96	10777.05	11154.14
2006Q4	10168.3	10550.49	10932.68
2007Q1	10222.76	10608.78	10994.81
2007Q2	10299.57	10689.42	11079.26
2007Q3	10506.1	10899.83	11293.57
2007Q4	10371.5	10769.71	11167.92
2008Q1	10420.05	10821.96	11223.87
2008Q2	10466.73	10872.3	11277.88
2008Q3	10602.22	11011.42	11420.62
2008Q4	10547.64	10960.76	11373.88
2009Q1	10610.22	11026.85	11443.48
2009Q2	10659.22	11079.38	11499.53
2009Q3	10781.85	11205.52	11629.19
2009Q4	10761.58	11188.99	11616.4
2010Q1	10783.43	11214.32	11645.21
2010Q2	10835.44	11269.69	11703.94
2010Q3	10901.26	11338.86	11776.47
2010Q4	10894.05	11335.05	11776.06
2011Q1	10942.78	11386.98	11831.19
2011Q2	10981.49	11428.88	11876.27
2011Q3	11052.2	11502.73	11953.27
2011Q4	11063.25	11517	11970.74

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Number of Commercial and Industrial Customers Forecasting

Regression Model: D3  
 Dependent Variable: CUSCI  
 Independent Variable: CUSCI\_1 GSP Auto(-4)

Size 85 Parameter: 3  
 Mean 7462.374 Std Dev 1741.739  
 R-Square 0.9994 DW 2.3068  
 SSE 3105003 MSE 36529

Term	CUSCI_1	GSP	Auto(-4)
Estimate	0.9525	0.0119	-0.6271
Std Error	0.0418	0.008926	0.0916
T-Ratio	22.81	1.33	-6.85
Pr>[t]	<.0001	0.1871	<.0001

## Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	10044.22	10485.04	10925.86
2006Q2	10279.1	10676.89	11074.68
2006Q3	10682.14	11084.72	11487.29
2006Q4	10531.33	10940.22	11349.12
2007Q1	10718.24	11132.39	11546.54
2007Q2	10911.36	11331.28	11751.2
2007Q3	11239.05	11665.27	12091.49
2007Q4	11219.43	11653.11	12086.79
2008Q1	11412.35	11852.97	12293.58
2008Q2	11612.75	12060.79	12508.83
2008Q3	11897.74	12353.71	12809.69
2008Q4	11967.05	12431.87	12896.69
2009Q1	12169.44	12642.92	13116.39
2009Q2	12373.64	12856.25	13338.86
2009Q3	12630.82	13123.02	13615.23
2009Q4	12751.69	13254.19	13756.68
2010Q1	12955.75	13468.54	13981.32
2010Q2	13160.87	13684.34	14207.82
2010Q3	13398.39	13932.94	14467.5
2010Q4	13551.58	14097.74	14643.9
2011Q1	13756.08	14313.93	14871.78
2011Q2	13957.7	14527.57	15097.44
2011Q3	14179.54	14761.73	15343.93
2011Q4	14348.48	14943.37	15538.26

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Customers Forecasting

ARIMA Model (4,2,0)

Time Series: CUSCI

Size	1.331409	Parameter:	5
Mean	7462.374	Std Dev	1741.739
R-Square	0.993631	DW	1.331409
SSE	1096.782	MSE	1724694
		RMSE	1313.276

Estimation

Parameter	MU	AR1_1	AR1_2	AR1_3	AR1_4
Estimate	279.5836	0.627437	0.179011	-0.719115	0.386266
Standard Error	29.68743	0.090442	0.095932	0.10739	0.109028
t Value	9.417574	6.93745	1.866012	-6.696291	3.542809
FACTOR	0	1	1	1	1
Lag	0	1	3	4	5

Forecasts (from Base Period 2005-Q4)

Date	L95	Forecast	U95
2006Q1	10313.73	10601.51	10889.29
2006Q2	10244.72	10584.46	10924.19
2006Q3	10325.93	10684.06	11042.19
2006Q4	10230.52	10609.05	10987.58
2007Q1	10327.29	10750.86	11174.44
2007Q2	10318.03	10758.51	11198.98
2007Q3	10703.85	11152.66	11601.46
2007Q4	10414.57	10865.49	11316.41
2008Q1	10578.02	11092.37	11606.72
2008Q2	10598.54	11136.37	11674.2
2008Q3	10767.56	11313.08	11858.59
2008Q4	10615.81	11171.04	11726.27
2009Q1	10755.25	11352.37	11949.48
2009Q2	10723.01	11335.58	11948.15
2009Q3	11049.95	11670.53	12291.12
2009Q4	10807.54	11431.28	12055.01
2010Q1	10963.54	11629.54	12295.54
2010Q2	10994.96	11677.82	12360.68
2010Q3	11210.52	11898.92	12587.32
2010Q4	11028.06	11722.3	12416.54
2011Q1	11191.23	11921.78	12652.33
2011Q2	11166.34	11910.19	12654.04
2011Q3	11461.46	12211.95	12962.43
2011Q4	11243.18	11997.13	12751.08

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Number of Commercial and Industrial Customers Forecasting

Model: Winters Exponential Smoothing Model  
 Var: CUSCI  
 Method Add Winters

Size 1.86041 Parameter: 6  
 Mean 7462.374 Std Dev 1741.739  
 R-Square 0.987845 DW 1.86041  
 SSE 946.8496 MSE 3244799 RMSE 1801.333

	Constant	Linear	Quarter1	Quarter2	Quarter3	Quarter4
Estimate	10337.64	70.00981	92.29171	-48.25213	-33.26256	-10.77702
Weight	0.105573	0.105573	0.25	0.25	0.25	0.25

Forecasts (from Base Period 2005-Q4)

Date	L95	Forecast	U95
2006Q1	10112.41	10499.94	10887.47
2006Q2	10039.25	10429.4	10819.56
2006Q3	10121.11	10514.4	10907.7
2006Q4	10209.93	10606.9	11003.86
2007Q1	10378.61	10779.98	11181.34
2007Q2	10303.07	10709.44	11115.81
2007Q3	10382.44	10794.44	11206.45
2007Q4	10468.65	10886.94	11305.23
2008Q1	10634.64	11060.02	11485.4
2008Q2	10556.33	10989.48	11422.63
2008Q3	10632.88	11074.48	11516.09
2008Q4	10716.23	11166.98	11617.72
2009Q1	10879.36	11340.06	11800.75
2009Q2	10798.19	11269.52	11740.85
2009Q3	10871.88	11354.52	11837.17
2009Q4	10952.39	11447.02	11941.64
2010Q1	11112.73	11620.1	12127.46
2010Q2	11028.82	11549.56	12070.3
2010Q3	11099.81	11634.56	12169.31
2010Q4	11177.67	11727.06	12276.44
2011Q1	11335.44	11900.13	12464.82
2011Q2	11249.02	11829.6	12410.18
2011Q3	11317.56	11914.6	12511.64
2011Q4	11393.04	12007.1	12621.15

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.

Commercial & Industrial Gas Use Per Customer Forecasting (Dth/Customer)(2006-2010)

Model		E1	E2	E3	ARIMA	Weighted C & I Use Per
Var	Dependent	USNCI	USNCI	USNCI	USNCI	
	Independent	PRCG	PRCG	PRCG		
		GSP	EMP	PCI		
		CDDN	CDDN	CDDN		
		AUTO(-4)	AUTO(-4)	AUTO(-4)		
Weight		25.00%	25.00%	25.00%	25.00%	100.00%

**Commercial & Industrial Use Per Customer Forecast – Percent Growth from Base Year (2005)**

2006Q4-2007Q3	1.45%	-0.86%	0.98%	0.93%	0.63%
2007Q4-2008Q3	1.77%	-0.63%	1.28%	-1.74%	0.15%
2008Q4-2009Q3	2.19%	-0.53%	1.56%	-1.71%	0.38%
2009Q4-2010Q3	2.09%	-0.50%	1.54%	-0.30%	0.74%
2010Q4-2011Q3	2.05%	-0.49%	1.37%	0.43%	0.88%
Average	1.91%	-0.60%	1.35%	-0.48%	0.56%

**Commercial & Industrial Use Per Customer Forecast (Annual)**

2005Q4-2006Q3	733	724	728	765	738
2006Q4-2007Q3	743	718	735	773	742
2007Q4-2008Q3	756	713	745	759	743
2008Q4-2009Q3	773	709	756	746	746
2009Q4-2010Q3	789	706	768	744	752
2010Q4-2011Q3	805	702	779	747	758
Average	767	712	752	756	747

**Commercial & Industrial Use Per Customer Forecast (Quarterly)**

2005Q1	395	395	395	395	<b>395</b>
2005Q2	161	161	161	161	<b>161</b>
2005Q3	66	66	66	66	<b>66</b>
2005Q4	137	137	137	137	<b>137</b>
2006Q1	383	380	381	395	385
2006Q2	151	149	150	156	152
2006Q3	62	59	61	78	65
2006Q4	150	143	148	138	145
2007Q1	378	371	375	407	383
2007Q2	150	145	148	155	149
2007Q3	65	59	64	74	65
2007Q4	161	148	158	131	149
2008Q1	375	364	371	402	378
2008Q2	151	142	149	152	149
2008Q3	69	59	67	74	67
2008Q4	172	153	168	128	155
2009Q1	374	358	368	398	374
2009Q2	153	140	150	152	149
2009Q3	74	59	71	67	68
2009Q4	183	157	177	125	161
2010Q1	373	352	365	397	372
2010Q2	156	138	151	150	149
2010Q3	78	59	74	71	71
2010Q4	193	161	186	125	166
2011Q1	372	346	363	401	371
2011Q2	158	136	152	150	149
2011Q3	83	59	78	71	72
2011Q4	202	165	194	124	171



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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Number of Commercial and Industrial Customers Forecasting

Regression Model: E1  
 Dependent Variable: USNCI  
 Independent Variable: PRCG\_1 GSP CDDN Auto(-4)

Size 84 Parameter: 3  
 Mean 175.3273 Std Dev 99.54606  
 R-Square 0.9936 DW 1.6033  
 SSE 2275352 MSE 27088

Term	PRCG_1	GSP	CDDN	Auto(-4)
Estimate	-31.4242	0.0154	0.7471	-0.9091
Std Error	13.4085	0.005063	0.0826	0.0555
T-Ratio	-2.34	3.05	9.04	-16.38
Pr> t	0.0215	0.0031	<.0001	<.0001

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	363.1864	382.9923	402.7981
2006Q2	131.1244	151.3293	171.5342
2006Q3	41.50724	61.60318	81.69913
2006Q4	129.984	150.124	170.2641
2007Q1	358.1547	378.1884	398.2221
2007Q2	129.5283	149.9125	170.2967
2007Q3	44.66131	64.94145	85.22159
2007Q4	140.5037	160.8159	181.1282
2008Q1	354.8179	375.0224	395.227
2008Q2	130.7385	151.2585	171.7785
2008Q3	48.79252	69.2115	89.63049
2008Q4	151.6309	172.0698	192.5088
2009Q1	353.3007	373.6332	393.9658
2009Q2	132.7717	153.3958	174.0199
2009Q3	53.28147	73.8072	94.33292
2009Q4	162.2438	182.7787	203.3136
2010Q1	352.1721	372.6043	393.0364
2010Q2	134.8213	155.5246	176.228
2010Q3	57.56071	78.16843	98.77614
2010Q4	172.1763	192.7846	213.3929
2011Q1	351.5866	372.0974	392.6081
2011Q2	137.0743	157.8396	178.6049
2011Q3	61.87784	82.55008	103.2223
2011Q4	181.6389	202.3044	222.9699

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Number of Commercial and Industrial Customers Forecasting

Regression Model: E2  
 Dependent Variable: USNCI  
 Independent Variable: PRCG\_1 LBFC CDDN Auto(-4)

Size 84 Parameter: 3  
 Mean 175.3273 Std Dev 99.54606  
 R-Square 0.9936 DW 1.5239  
 SSE 2295214 MSE 27324

Term	PRCG_1	LBFC	CDDN	Auto(-4)
Estimate	-25.3783	1.0834	0.6731	-0.9262
Std Error	12.9077	0.4432	0.118	0.0513
T-Ratio	-1.97	2.44	5.7	-18.04
Pr>[t]	0.0526	0.0166	<.0001	<.0001

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	359.98	379.662	399.3441
2006Q2	128.7001	148.7727	168.8454
2006Q3	38.76556	58.73124	78.69691
2006Q4	122.692	142.7091	162.7262
2007Q1	351.3861	371.3021	391.2182
2007Q2	124.4433	144.6866	164.9299
2007Q3	38.74699	58.88999	79.03299
2007Q4	127.5446	147.7343	167.9239
2008Q1	344.1133	364.2019	384.2906
2008Q2	121.7867	142.154	162.5213
2008Q3	38.6808	58.95328	79.22576
2008Q4	132.2109	152.5264	172.8419
2009Q1	337.6502	357.8657	378.0811
2009Q2	119.3455	139.8006	160.2557
2009Q3	38.67126	59.03672	79.40217
2009Q4	136.5994	157.0049	177.4103
2010Q1	331.6812	351.9882	372.2951
2010Q2	117.0984	137.6127	158.127
2010Q3	38.66634	59.09586	79.52538
2010Q4	140.6464	161.1135	181.5805
2011Q1	326.1261	346.4968	366.8674
2011Q2	114.9825	135.5334	156.0842
2011Q3	38.63003	59.10065	79.57127
2011Q4	144.3666	164.8728	185.379

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KeySpan Energy Delivery New England  
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 Number of Commercial and Industrial Customers Forecasting

Regression Model: E3  
 Dependent Variable: USNCI  
 Independent Variable: PRCG\_1 PCI CDDN Auto(-4)

Size 84 Parameter: 3  
 Mean 175.3273 Std Dev 99.54606  
 R-Square 0.9937 DW 1.5946  
 SSE 2262254 MSE 26932

Term	PRCG_1	PCI	CDDN	Auto(-4)
Estimate	-30.4444	22.9306	0.7175	-0.9097
Std Error	13.19	7.2926	0.0875	0.0557
T-Ratio	-2.31	3.14	8.2	-16.33
Pr>[t]	0.0234	0.0023	<.0001	<.0001

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	361.2463	380.9842	400.7221
2006Q2	129.6978	149.827	169.9561
2006Q3	40.78146	60.80308	80.8247
2006Q4	128.1086	148.1775	168.2463
2007Q1	355.1295	375.0937	395.0579
2007Q2	127.943	148.2459	168.5489
2007Q3	43.69852	63.89892	84.09931
2007Q4	137.7179	157.9537	178.1896
2008Q1	350.6594	370.7891	390.9188
2008Q2	128.3223	148.7521	169.182
2008Q3	46.99289	67.32371	87.65453
2008Q4	147.42	167.7757	188.1314
2009Q1	347.5832	367.8336	388.0841
2009Q2	129.2721	149.7941	170.3162
2009Q3	50.62733	71.05343	91.47953
2009Q4	156.8139	177.2554	197.6969
2010Q1	345.1363	365.4754	385.8145
2010Q2	130.3371	150.9244	171.5117
2010Q3	53.93042	74.4248	94.91918
2010Q4	165.2502	185.7528	206.2553
2011Q1	342.9017	363.3059	383.7101
2011Q2	131.3338	151.9658	172.5978
2011Q3	57.06275	77.60483	98.1469
2011Q4	173.1455	193.6898	214.2342

# APPENDIX A

KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Customers Forecasting

ARIMA Model (4,1,1)

Time Series: USNCI

Size	2.002519	Parameter:	6			
Mean	175.3273	Std Dev	99.54606			
R-Square	0.976265	DW	2.002519			
SSE	1108.223	MSE	1954101	RMSE	1397.892	
Estimation						
Parameter	MU	MA1_1	AR1_1	AR1_2	AR1_3	AR1_4
Estimate	5.787166	-0.249354	0.234703	-0.158219	0.115414	0.242861
Standard Error	34.49484	0.112279	0.111248	0.109153	0.10828	0.124106
t Value	0.167769	-2.220848	2.109725	-1.44952	1.065881	0
FACTOR	0	1	1	1	1	1
Lag	0	1	2	4	5	16

Forecasts (from Base Period 2005-Q4)

Date	L95	Forecast	U95
2006Q1	364.04	394.8654	425.6907
2006Q2	139.7442	156.2182	172.6922
2006Q3	61.27616	77.65878	94.04139
2006Q4	121.2904	137.6746	154.0588
2007Q1	390.392	406.6973	423.0027
2007Q2	137.841	154.5446	171.2483
2007Q3	56.98285	73.59889	90.21494
2007Q4	114.2049	130.8287	147.4525
2008Q1	385.1663	401.719	418.2717
2008Q2	135.5242	152.4283	169.3324
2008Q3	57.255	74.07523	90.89546
2008Q4	111.4769	128.3023	145.1278
2009Q1	381.3279	398.0864	414.8449
2009Q2	135.2179	152.2925	169.3671
2009Q3	50.3736	67.36704	84.36048
2009Q4	108.149	125.1581	142.1671
2010Q1	380.1741	397.1206	414.0672
2010Q2	133.0103	150.2512	167.492
2010Q3	54.14313	71.30614	88.46916
2010Q4	107.8109	124.9809	142.1509
2011Q1	383.9264	401.0357	418.1449
2011Q2	132.9415	150.3418	167.7421
2011Q3	53.38265	70.70731	88.03196
2011Q4	106.8181	124.1493	141.4805

# APPENDIX A

KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Number of Commercial and Industrial Customers Forecasting

Model: Winters Exponential Smoothing Model  
 Var: USNCI  
 Method Add Winters

Size 2.003168 Parameter: 5  
 Mean 175.3273 Std Dev 99.54606  
 R-Square 0.957198 DW 2.003168  
 SSE 957.3116 MSE 3732493 RMSE 1931.966

	Constant	Linear	Quarter1	Quarter2	Quarter3	Quarter4
Estimate	1871.884	0	1810.776	-410.7561	-1179.696	-220.3243
Weight	0.2	0.2	0.25	0.25	0.25	0.25

Forecasts (from Base Period 2005-Q4)

Date	L95	Forecast	U95
2006Q1	352.7843	368.266	383.7477
2006Q2	130.3394	146.1128	161.8862
2006Q3	53.52792	69.21885	84.90977
2006Q4	149.4409	165.156	180.8711
2007Q1	352.6394	368.266	383.8926
2007Q2	130.2136	146.1128	162.012
2007Q3	53.3989	69.21885	85.03879
2007Q4	149.3135	165.156	180.9984
2008Q1	352.5088	368.266	384.0232
2008Q2	130.0997	146.1128	162.1258
2008Q3	53.2821	69.21885	85.15559
2008Q4	149.1982	165.156	181.1138
2009Q1	352.3904	368.266	384.1416
2009Q2	129.9963	146.1128	162.2293
2009Q3	53.17587	69.21885	85.26182
2009Q4	149.0932	165.156	181.2187
2010Q1	352.2826	368.266	384.2494
2010Q2	129.9018	146.1128	162.3238
2010Q3	53.07882	69.21885	85.35887
2010Q4	148.9973	165.156	181.3146
2011Q1	352.1841	368.266	384.348
2011Q2	129.8152	146.1128	162.4104
2011Q3	52.98981	69.21885	85.44789
2011Q4	148.9093	165.156	181.4026

# APPENDIX A

KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Commercial & Industrial Gas Consumption Forecasting (Dth) (2006 -- 2010)

Model	F1	F2	F3	ARIMA	Weighted C & I Sale	Calculated Sales	Combined (50/50)
Var	Dependent	GSNCI	GSNCI	GSNCI	USNCI		
	Independent	GSNCI_1	PRCG	GSNCI_1			
		PRCG	AUTO(-4)	PRCG			
		AUTO(-4)	AUTO(-8)	AUTO(-4)			
			AUTO(-8)	AUTO(-8)			
Weight		20.00%	20.00%	20.00%	40.00%	100.00%	
<b>Commercial &amp; Industrial Gas Sales Forecast (Percent Growth from Base Year (2005))</b>							
2006Q4-2007Q3		5.34%	2.73%	5.55%	5.46%	4.87%	3.57%
2007Q4-2008Q3		4.03%	1.56%	3.78%	2.75%	2.96%	3.34%
2008Q4-2009Q3		3.53%	1.60%	3.33%	0.09%	1.72%	3.51%
2009Q4-2010Q3		3.09%	1.71%	2.95%	2.20%	2.43%	3.85%
2010Q4-2011Q3		2.75%	1.81%	2.64%	3.69%	2.90%	3.84%
Average		3.75%	1.88%	3.65%	2.84%	2.98%	3.62%
<b>Commercial &amp; Industrial Gas Sales Forecast (Dth) (Annual)</b>							
2005Q4-2006Q3	7,924,343	8,628,982	7,919,898	8,067,522	8,121,654	7,734,162	7,734,162
2006Q4-2007Q3	8,347,166	8,864,129	8,359,073	8,508,086	8,517,308	8,010,453	8,263,881
2007Q4-2008Q3	8,683,945	9,002,617	8,675,271	8,742,207	8,769,249	8,278,350	8,523,800
2008Q4-2009Q3	8,990,327	9,146,297	8,964,552	8,749,767	8,920,142	8,569,259	8,744,701
2009Q4-2010Q3	9,268,498	9,302,969	9,228,745	8,942,571	9,137,071	8,898,799	9,017,935
2010Q4-2011Q3	9,523,502	9,471,707	9,472,064	9,272,510	9,402,459	9,240,153	9,321,306
Average	8,789,630	9,069,450	8,769,934	8,713,777	8,811,314	8,455,196	8,600,964
<b>Commercial &amp; Industrial Gas Sales Forecast (Dth) (Quarterly)</b>							
2005Q1	3,969,780	3,969,780	3,969,780	3,969,780	3,969,780	3,969,780	3,969,780
2005Q2	1,645,482	1,645,482	1,645,482	1,645,482	1,645,482	1,645,482	1,645,482
2005Q3	708,090	708,090	708,090	708,090	708,090	708,090	708,090
2005Q4	1,410,809	1,410,809	1,410,809	1,410,809	1,410,809	1,410,809	1,410,809
2006Q1	3,692,222	3,880,956	3,707,906	4,114,267	3,901,924	4,024,862	3,963,393
2006Q2	1,813,328	2,342,509	1,797,889	1,747,723	1,889,834	1,594,698	1,742,266
2006Q3	1,007,984	994,709	1,003,293	794,723	919,086	696,737	807,911
2006Q4	1,568,394	1,388,746	1,575,371	1,519,931	1,514,475	1,541,227	1,527,851
2007Q1	3,554,583	3,551,825	3,596,040	4,265,976	3,846,880	4,126,266	3,986,573
2007Q2	1,959,766	2,690,215	1,944,099	1,832,279	2,051,727	1,618,709	1,835,218
2007Q3	1,264,423	1,233,343	1,243,563	889,900	1,104,226	724,251	914,238
2007Q4	1,723,803	1,356,013	1,718,470	1,493,894	1,557,215	1,641,576	1,599,396
2008Q1	3,416,180	3,258,284	3,466,937	4,422,443	3,797,257	4,207,907	4,002,582
2008Q2	2,068,023	2,905,675	2,047,880	1,891,434	2,160,889	1,663,479	1,912,184
2008Q3	1,475,938	1,482,645	1,441,984	934,436	1,253,888	765,388	1,009,638
2008Q4	1,859,170	1,362,417	1,844,405	1,504,657	1,615,061	1,760,113	1,687,587
2009Q1	3,307,383	3,014,925	3,363,528	4,412,323	3,702,096	4,298,721	4,000,409
2009Q2	2,163,409	3,037,947	2,139,859	1,934,546	2,242,061	1,715,810	1,978,936
2009Q3	1,660,365	1,731,008	1,616,760	898,242	1,360,923	794,615	1,077,769
2009Q4	1,983,410	1,407,841	1,961,164	1,512,351	1,675,424	1,879,656	1,777,540
2010Q1	3,218,219	2,816,523	3,276,892	4,471,147	3,650,786	4,400,227	4,025,506
2010Q2	2,247,336	3,111,583	2,221,393	2,019,492	2,323,859	1,767,483	2,045,671
2010Q3	1,819,534	1,967,022	1,769,296	939,580	1,487,002	851,433	1,169,218
2010Q4	2,093,823	1,486,236	2,066,129	1,587,970	1,764,426	2,002,102	1,883,264
2011Q1	3,149,039	2,658,407	3,207,782	4,555,481	3,625,238	4,518,524	4,071,881
2011Q2	2,321,290	3,143,414	2,293,562	2,099,844	2,391,591	1,821,568	2,106,580
2011Q3	1,959,350	2,183,651	1,904,591	1,029,215	1,621,204	897,959	1,259,581
2011Q4	2,193,962	1,590,689	2,162,153	1,632,147	1,842,220	2,123,846	1,983,033

# APPENDIX A

KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Commercial and Industrial Gas Consumption (Dth) Forecasting

Regression Model: F1  
 Dependent Variable: GSNCI  
 Independent Variable: GSNCI\_1 PRCCI Auto(-4)

Size 85 Parameter: 3  
 Mean 1074400 Std Dev 678186.6  
 R-Square 0.9802 DW 1.9972  
 SSE 4.57E+14 MSE 5.37E+12

Term	GSNCI_1	PRCCI	Auto(-4)
0	0.4874	517287	-0.854699
0	0.0921	151317	0.056307
0	5.29	3.42	-15.17927
0	<.0001	0.001	0

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	3084476	3692222	4299969
2006Q2	1634936	1813328	1991719
2006Q3	830218.9	1007984	1185749
2006Q4	1391476	1568394	1745311
2007Q1	3378544	3554583	3730622
2007Q2	1777443	1959766	2142089
2007Q3	1082543	1264423	1446303
2007Q4	1542883	1723803	1904722
2008Q1	3236017	3416180	3596344
2008Q2	1882995	2068023	2253052
2008Q3	1291220	1475938	1660656
2008Q4	1675385	1859170	2042956
2009Q1	3124226	3307383	3490540
2009Q2	1976404	2163409	2350414
2009Q3	1473558	1660365	1847171
2009Q4	1797443	1983410	2169377
2010Q1	3032751	3218219	3403686
2010Q2	2058789	2247336	2435882
2010Q3	1631094	1819534	2007974
2010Q4	1906105	2093823	2281542
2011Q1	2961702	3149039	3336375
2011Q2	2131452	2321290	2511128
2011Q3	1769546	1959350	2149154
2011Q4	2004756	2193962	2383169

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Commercial and Industrial Gas Consumption (Dth) Forecasting

Regression Model: F2  
 Dependent Variable: GSNCI  
 Independent Variable: PRCCI Auto(-1) Auto(-2) Auto(-3) Auto(-4)

Size 84 Parameter: 3  
 Mean 1074400 Std Dev 678186.6  
 R-Square 0.9691 DW 1.4073  
 SSE 7.16E+14 MSE 8.53E+12

Term	PRCCI	Auto(-1)	Auto(-2)	Auto(-3)	Auto(-4)
0	1326293	-0.136698	0.125686	0.017356	-0.780446
0	131058	0.068217	0.069803	0.069803	0.068217
0	10.12	-2.00387	1.800582	0.248643	-11.44064
0	<.0001	0	0	0	0

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	3166714	3880956	4595198
2006Q2	1652030	2342509	3032988
2006Q3	290182.3	994708.6	1699235
2006Q4	657924.3	1388746	2119568
2007Q1	2692828	3551825	4410822
2007Q2	1837167	2690215	3543263
2007Q3	371162.5	1233343	2095524
2007Q4	477569.3	1356013	2234456
2008Q1	2310417	3258284	4206151
2008Q2	1953390	2905675	3857961
2008Q3	523751.6	1482645	2441537
2008Q4	390994	1362417	2333841
2009Q1	2004347	3014925	4025502
2009Q2	2017421	3037947	4058473
2009Q3	705986.5	1731008	2756029
2009Q4	371842.2	1407841	2443840
2010Q1	1758559	2816523	3874487
2010Q2	2041240	3111583	4181925
2010Q3	893877.2	1967022	3040166
2010Q4	402952.9	1486236	2569518
2011Q1	1563150	2658407	3753664
2011Q2	2035333	3143414	4251495
2011Q3	1073917	2183651	3293385
2011Q4	471578.9	1590689	2709799



# APPENDIX A

KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Commercial and Industrial Gas Consumption (Dth) Forecasting

Regression Model: F3  
 Dependent Variable: GSNCI  
 Independent Variable: GSNCI\_1 PRCCI Auto(-4) Auto(-8)

Size 84 Parameter: 4  
 Mean 1074400 Std Dev 678186.6  
 R-Square 0.9806 DW 2.0006  
 SSE 4.47E+14 MSE 5.33E+12

Term	GSNCI_1	PRCCI	Auto(-4)	Auto(-8)
0	0.4897	501164	-0.816044	-0.045227
0	0.0928	151400	0.108997	0.108997
0	5.28	3.31	-7.486848	-0.414938
0	<.0001	0.0014	0	0

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	3100213	3707906	4315599
2006Q2	1618996	1797889	1976783
2006Q3	825052.9	1003293	1181533
2006Q4	1397977	1575371	1752765
2007Q1	3419522	3596040	3772558
2007Q2	1761053	1944099	2127146
2007Q3	1060993	1243563	1426132
2007Q4	1536859	1718470	1900081
2008Q1	3286092	3466937	3647781
2008Q2	1861911	2047880	2233850
2008Q3	1256370	1441984	1627597
2008Q4	1659736	1844405	2029074
2009Q1	3179511	3363528	3547544
2009Q2	1951742	2139859	2327977
2009Q3	1428895	1616760	1804625
2009Q4	1774169	1961164	2148159
2010Q1	3090434	3276892	3463350
2010Q2	2031620	2221393	2411166
2010Q3	1579689	1769296	1958902
2010Q4	1877292	2066129	2254965
2011Q1	3019376	3207782	3396189
2011Q2	2102440	2293562	2484684
2011Q3	1713567	1904591	2095615
2011Q4	1971790	2162153	2352516

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Commercial and Industrial Gas Consumption (Dth) Forecasting

ARIMA Model (3,1,0)

Time Series: GSNCI

Size	85 Parameters		4	
Mean	1340528.354	Std Dev	902070.4028	
R-Square	0.981428056	DW	1.990617189	
SSE	1.26604E+14	MSE	1.56301E+12	RMSE 1250206
Estimation				
Parameter	MU	AR1_1	AR1_2	AR1_3
Estimate	591532.9542	0.13805071	-0.25552873	0.258268
Standard Error	153261.3229	0.10426159	0.116155612	0.128794
t Value	3.859636228	1.32408029	-2.199882784	2.005288
FACTOR		0	1	1
Lag		0	2	10
				16

Forecasts (from Base Period 2005-Q4)

Date	L95	Forecast	U95
2006Q1	3869231	4114267	4359303
2006Q2	1502687	1747723	1992759
2006Q3	547363	794723	1042083
2006Q4	1272572	1519931	1767291
2007Q1	3914494	4265976	4617459
2007Q2	1480796	1832279	2183761
2007Q3	536731	889900	1243069
2007Q4	1140726	1493894	1847063
2008Q1	3989863	4422443	4855023
2008Q2	1458854	1891434	2324014
2008Q3	500942	934436	1367929
2008Q4	1071163	1504657	1938151
2009Q1	3920411	4412323	4904235
2009Q2	1442634	1934546	2426457
2009Q3	405309	898242	1391174
2009Q4	1019419	1512351	2005284
2010Q1	3896615	4471147	5045679
2010Q2	1444960	2019492	2594024
2010Q3	364869	939580	1514291
2010Q4	1013259	1587970	2162682
2011Q1	3900232	4555481	5210729
2011Q2	1444596	2099844	2755092
2011Q3	373928	1029215	1684501
2011Q4	976861	1632147	2287434

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Commercial and Industrial Gas Consumption (Dth) Forecasting

Winters Exponential Smoothing Model  
 Var: GSNCI

Size 83 Parameter: 6  
 Mean 1340528 Std Dev 902070.4028  
 R-Square 0.931591 DW 2.27798452  
 SSE 7.16E+15 MSE 4.89869E+14 RMSE 22132979

	Constant	Linear	Quarter1	Quarter2	Quarter3	Quarter4
Estimate	20162984	67757.6	17484197.71	-3753627	-11125270	-2605300
Weight	0.105573	0.105573	0.25	0.25	0.25	0.25

Forecasts (from Base Period 2005-Q4)

Date	L95	Forecast	U95
2006Q1	3295338	3771494	4247649.505
2006Q2	1175099	1654487	2133875.159
2006Q3	440859.9	924098.6	1407337.347
2006Q4	1295121	1782871	2270622.101
2007Q1	3305440	3798597	4291754.234
2007Q2	1182282	1681590	2180898.291
2007Q3	444970	951201.7	1457433.374
2007Q4	1296023	1809974	2323925.979
2008Q1	3303034	3825700	4348366.419
2008Q2	1176480	1708693	2240906.72
2008Q3	435704	978304.7	1520905.455
2008Q4	1283246	1837077	2390909.134
2009Q1	3286743	3852803	4418862.767
2009Q2	1156669	1735796	2314923.183
2009Q3	412382.5	1005408	1598432.998
2009Q4	1256436	1864180	2471924.464
2010Q1	3256511	3879906	4503300.701
2010Q2	1123063	1762899	2402735.632
2010Q3	375458.3	1032511	1689563.333
2010Q4	1216258	1891284	2566309.194
2011Q1	3213175	3907009	4600843.61
2011Q2	1076641	1790002	2503363.604
2011Q3	326026.9	1059614	1793200.836
2011Q4	1163894	1918387	2672879.35

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Customers Forecasting (2006 – 2010)

Model Var	Dependent Independent	A1	A2	A3	A4	ARIMA	Winter's	Weighted Residential Customers
		CUSR	CUSR	CUSR	CUSR	CUSR	CUSR	
		Intercept	CUSR_1	CUSR_1	CUSR_1			
		CUSR_1	EMP	POP	GSP			
		GSP	AUTO(-4)	AUTO(-4)	POP			
		AUTO(-4)			AUTO(-4)			
Weight		15.00%	15.00%	15.00%	15.00%	20.00%	20.00%	100.00%
Residential Customer Forecast – Percent Growth from Base Year (2005)								
2006Q4-2007Q3		2.90%	0.78%	0.83%	2.49%	2.79%	2.40%	2.09%
2007Q4-2008Q3		3.03%	0.80%	0.79%	2.52%	2.21%	2.02%	1.93%
2008Q4-2009Q3		3.15%	0.77%	0.71%	2.59%	1.56%	1.98%	1.81%
2009Q4-2010Q3		3.06%	0.74%	0.66%	2.47%	1.83%	1.94%	1.82%
2010Q4-2011Q3		2.94%	0.77%	0.68%	2.35%	1.95%	1.91%	1.81%
Average		3.02%	0.77%	0.73%	2.48%	2.07%	2.05%	1.89%
Residential Customer Forecast (Annual)								
2005Q4-2006Q3		72,552	71,950	71,981	72,470	72,768	72,263	72,349
2006Q4-2007Q3		74,659	72,510	72,575	74,273	74,799	73,995	73,861
2007Q4-2008Q3		76,917	73,089	73,150	76,145	76,449	75,492	75,283
2008Q4-2009Q3		79,342	73,653	73,672	78,114	77,644	76,988	76,644
2009Q4-2010Q3		81,772	74,197	74,155	80,039	79,067	78,485	78,035
2010Q4-2011Q3		84,172	74,772	74,660	81,918	80,612	79,981	79,447
Average		78,236	73,362	73,366	77,160	76,890	76,201	75,937
Residential Customer Forecast (Quarterly)								
2005Q1		71,607	71,607	71,607	71,607	71,607	71,607	71,607
2005Q2		71,575	71,575	71,575	71,575	71,575	71,575	71,575
2005Q3		73,331	73,331	73,331	73,331	73,331	73,331	73,331
2005Q4		69,487	69,487	69,487	69,487	69,487	69,487	69,487
2006Q1		72,797	72,391	72,419	72,754	73,887	72,997	72,931
2006Q2		73,122	72,267	72,305	73,013	72,708	72,921	72,732
2006Q3		74,803	73,656	73,715	74,626	74,991	73,647	74,248
2006Q4		71,966	70,425	70,457	71,721	71,279	71,926	71,326
2007Q1		74,814	72,874	72,944	74,476	75,949	74,493	74,355
2007Q2		75,191	72,779	72,850	74,758	75,527	74,417	74,326
2007Q3		76,664	73,963	74,050	76,139	76,440	75,144	75,439
2007Q4		74,521	71,306	71,344	73,911	73,470	73,423	73,041
2008Q1		76,957	73,378	73,452	76,240	77,566	75,990	75,715
2008Q2		77,426	73,334	73,395	76,599	76,820	75,914	75,660
2008Q3		78,766	74,340	74,410	77,829	77,939	76,640	76,718
2008Q4		77,206	72,148	72,152	76,165	74,526	74,919	74,540
2009Q1		79,313	73,891	73,926	78,148	78,990	77,487	77,087
2009Q2		79,821	73,857	73,873	78,530	78,049	77,411	77,004
2009Q3		81,028	74,714	74,736	79,612	79,013	78,137	77,944
2009Q4		79,891	72,906	72,853	78,356	76,156	76,416	76,115
2010Q1		81,692	74,380	74,355	80,025	80,125	78,983	78,390
2010Q2		82,216	74,384	74,337	80,417	79,426	78,907	78,370
2010Q3		83,287	75,120	75,076	81,359	80,559	79,633	79,265
2010Q4		82,490	73,648	73,526	80,437	77,614	77,912	77,621
2011Q1		84,055	74,908	74,813	81,867	81,904	80,480	79,823
2011Q2		84,586	74,942	74,826	82,263	80,784	80,404	79,730
2011Q3		85,558	75,588	75,477	83,103	82,145	81,130	80,614
2011Q4		85,030	74,395	74,208	82,449	79,138	79,409	79,122

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Customers Forecasting

Regression Model: A1  
 Dependent Variable: CUSR  
 Independent Variable: Intercept CUSR\_1 GSP Auto(-4)

Size 84 Parameter: 3  
 Mean 57113.37 Std Dev 8831.98  
 R-Square 0.9914 DW 2.4907  
 SSE 55608441 MSE 662005

Term	Intercept	CUSR_1	GSP	Auto(-4)
Estimate	7114	0.802	0.1337	-0.8028
Std Error	2382	0.0698	0.0562	0.0793
T-Ratio	2.99	11.5	2.38	-10.12
Pr>[t]	0.0037	<.0001	0.0196	<.0001

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	70595.78	72797.39	74999
2006Q2	72215.47	73122.49	74029.51
2006Q3	73890.36	74803.28	75716.19
2006Q4	71044.64	71966.17	72887.69
2007Q1	73890.27	74814.05	75737.84
2007Q2	74260.35	75191.17	76121.99
2007Q3	75725.88	76663.68	77601.47
2007Q4	73574.32	74521.22	75468.11
2008Q1	76005.58	76956.64	77907.69
2008Q2	76467.36	77426.43	78385.5
2008Q3	77798.5	78765.63	79732.77
2008Q4	76229.15	77206.07	78182.99
2009Q1	78330.05	79312.96	80295.86
2009Q2	78828.81	79820.79	80812.78
2009Q3	80026.77	81027.89	82029
2009Q4	78879.57	79891.16	80902.75
2010Q1	80673.02	81692.09	82711.17
2010Q2	81187.02	82215.96	83244.91
2010Q3	82248.36	83287.2	84326.04
2010Q4	81440.04	82489.77	83539.5
2011Q1	82996.91	84055.19	85113.48
2011Q2	83517.72	84586.4	85655.07
2011Q3	84478.9	85557.96	86637.02
2011Q4	83940.14	85030.32	86120.49

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Customers Forecasting

Regression Model: A2  
 Dependent Variable: CUSR  
 Independent Variable: CUSR\_1 LBFC Auto(-4)

Size 85 Parameter: 3  
 Mean 57113.37 Std Dev 8831.98  
 R-Square 0.9955 DW 2.4531  
 SSE 55010975 MSE 647188

Term	CUSR_1	LBFC	Auto(-4)
Estimate	0.8242	16.3452	-0.8328
Std Error	0.0595	5.4189	0.0767
T-Ratio	13.85	3.02	-10.86
Pr>[t]	<.0001	0.0034	<.0001

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	70473.46	72391.32	74309.19
2006Q2	71376.95	72266.65	73156.35
2006Q3	72761.36	73655.72	74550.08
2006Q4	69523.92	70425.04	71326.16
2007Q1	71973.16	72874.47	73775.79
2007Q2	71873.79	72779.1	73684.41
2007Q3	73054.25	73962.82	74871.39
2007Q4	70392.59	71305.98	72219.38
2008Q1	72465.11	73378.43	74291.75
2008Q2	72417.56	73333.7	74249.84
2008Q3	73421.08	74339.51	75257.94
2008Q4	71226.39	72148.28	73070.18
2009Q1	72969.08	73890.71	74812.34
2009Q2	72933.48	73857.05	74780.63
2009Q3	73789.4	74714.49	75639.58
2009Q4	71978.77	72906.27	73833.77
2010Q1	73452.85	74379.9	75306.95
2010Q2	73455.47	74383.77	75312.07
2010Q3	74190.68	75119.92	76049.16
2010Q4	72717.61	73648.47	74579.34
2011Q1	73977.57	74907.87	75838.17
2011Q2	74010.84	74941.91	75872.98
2011Q3	74656.71	75588.32	76519.93
2011Q4	73462.42	74395.11	75327.8

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Customers Forecasting

Regression Model: A3  
 Dependent Variable: CUSR  
 Independent Variable: CUSR\_1 POP Auto(-4)

Size 85 Parameter: 3  
 Mean 57113.37 Std Dev 8831.98  
 R-Square 0.9952 DW 2.4606  
 SSE 55375565 MSE 651477

Term	CUSR_1	POP	Auto(-4)
Estimate	0.8424	8.1299	-0.8383
Std Error	0.0562	2.8331	0.0767
T-Ratio	15	2.87	-10.94
Pr>[t]	<.0001	0.0052	<.0001

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	70475.51	72418.79	74362.08
2006Q2	71414.99	72304.8	73194.61
2006Q3	72820.05	73714.6	74609.15
2006Q4	69555.35	70456.77	71358.19
2007Q1	72042.58	72944.24	73845.91
2007Q2	71944.11	72849.89	73755.67
2007Q3	73141.28	74050.43	74959.58
2007Q4	70429.72	71343.84	72257.96
2008Q1	72537.5	73451.58	74365.66
2008Q2	72478.26	73395.26	74312.26
2008Q3	73490.66	74410.02	75329.38
2008Q4	71229.06	72151.97	73074.89
2009Q1	73003.25	73925.88	74848.51
2009Q2	72948.9	73873.5	74798.1
2009Q3	73810.13	74736.24	75662.35
2009Q4	71924.11	72852.63	73781.16
2010Q1	73427.17	74355.15	75283.13
2010Q2	73407.39	74336.57	75265.74
2010Q3	74145.92	75075.94	76005.97
2010Q4	72594.49	73526.06	74457.62
2011Q1	73882.54	74813.38	75744.23
2011Q2	73894.07	74825.55	75757.03
2011Q3	74544.69	75476.55	76408.42
2011Q4	73274.98	74207.78	75140.59

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Customers Forecasting

Regression Model: A4  
 Dependent Variable: CUSR  
 Independent Variable: CUSR\_1 GSP POP Auto(-4)

Size 84 Parameter: 3  
 Mean 57113.37 Std Dev 8831.98  
 R-Square 0.9968 DW 2.3198  
 SSE 51931756 MSE 618235

Term	CUSR_1	GSP	POP	Auto(-4)
Estimate	0.6895	0.1177	12.1407	-0.8026
Std Error	0.0816	0.0461	3.0887	0.0777
T-Ratio	8.45	2.55	3.93	-10.33
Pr>[t]	<.0001	0.0125	0.0002	<.0001

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	70628.92	72753.82	74878.73
2006Q2	72108.3	73013.35	73918.4
2006Q3	73714.91	74625.68	75536.45
2006Q4	70802.07	71721.12	72640.18
2007Q1	73554.86	74475.82	75396.77
2007Q2	73830.34	74757.74	75685.15
2007Q3	75205.13	76138.77	77072.42
2007Q4	72969.1	73910.91	74852.73
2008Q1	75294.73	76239.81	77184.9
2008Q2	75646.61	76598.55	77550.48
2008Q3	76870.36	77829.05	78787.75
2008Q4	75197.56	76164.55	77131.53
2009Q1	77176.53	78148.05	79119.57
2009Q2	77550.86	78529.74	79508.61
2009Q3	78625.54	79611.69	80597.83
2009Q4	77361.67	78356.25	79350.82
2010Q1	79025.01	80025.08	81025.15
2010Q2	79409.37	80417.08	81424.8
2010Q3	80343.45	81358.71	82373.97
2010Q4	79413.4	80437.05	81460.71
2011Q1	80837.06	81866.84	82896.62
2011Q2	81225.95	82263.49	83301.03
2011Q3	82058.05	83103.26	84148.46
2011Q4	81395.93	82449.41	83502.9



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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Customers Forecasting

ARIMA Model (3,2,2)

Time Series: CUSR

Size	84 Parameters		6			
Mean	57113.3722	Std Dev	8831.98			
R-Square	0.99216725	DW	2.133572			
SSE	38863779.4	MSE	504724.4	RMSE	710.4396	
Estimation						
Parameter	MU	MA1_1	MA1_2	AR1_1	AR1_2	AR1_3
Estimate	-15.9515596	0.203073	0.110084	-0.445459	-0.411138	-0.491715
Standard Error	21.0663524	0.121847	0.126043	0.119616	0.120134	0.155974
t Value	-0.75720558	1.666621	0.87338	-3.724076	-3.422331	-3.152546
FACTOR	0	1	1	1	1	1
Lag	0	1	4	3	6	9

Forecasts (from Base Period 2005-Q4)

Date	L95	Forecast	U95
2006Q1	72494.1669	73886.6	75279.04
2006Q2	70927.2022	72707.72	74488.24
2006Q3	72893.3057	74991.31	77089.31
2006Q4	69125.0871	71279.41	73433.74
2007Q1	73106.2917	75948.88	78791.47
2007Q2	72278.8665	75527.05	78775.23
2007Q3	72950.4635	76440.13	79929.79
2007Q4	69893.7461	73470.33	77046.92
2008Q1	73393.9933	77566.46	81738.92
2008Q2	72362.6781	76820.16	81277.64
2008Q3	73277.3314	77939.19	82601.05
2008Q4	69782.7095	74525.68	79268.64
2009Q1	73701.3257	78989.53	84277.73
2009Q2	72472.6391	78049.39	83626.14
2009Q3	73220.03	79012.89	84805.74
2009Q4	70171.5307	76156.35	82141.17
2010Q1	73487.5314	80125.34	86763.16
2010Q2	72400.5039	79426.45	86452.4
2010Q3	73222.9286	80559.46	87895.99
2010Q4	70010.4474	77614.33	85218.21
2011Q1	73588.799	81904.35	90219.91
2011Q2	72052.1459	80784.43	89516.7
2011Q3	73061.9064	82145.02	91228.14
2011Q4	69746.3698	79137.8	88529.22

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Customers Forecasting

Model: Winters Exponential Smoothing Model  
 Var: CUSR  
 Method Add Winters

Size 83 Parameter: 6  
 Mean 57113.37 Std Dev 8831.98  
 R-Square 0.977041 DW 1.622063  
 SSE 1.58E+08 MSE 1898747 RMSE 1377.95

	Constant	Linear	Quarter1	Quarter2	Quarter3	Quarter4
Estimate	71937.27	374.1495	685.325	235.1703	587.381	-1507.876
Weight	0.105573	0.105573	0.25	0.25	0.25	0.25

Forecasts (from Base Period 2005-Q4)

Date	L95	Forecast	U95
2006Q1	70296.01	72996.74	75697.48
2006Q2	70201.67	72920.74	75639.81
2006Q3	70906.19	73647.1	76388.01
2006Q4	69159.49	71925.99	74692.49
2007Q1	71696.18	74493.34	77290.51
2007Q2	71585.28	74417.34	77249.39
2007Q3	72272.37	75143.7	78015.02
2007Q4	70507.48	73422.59	76337.7
2008Q1	73025.4	75989.94	78954.48
2008Q2	72895.24	75913.94	78932.63
2008Q3	73562.69	76640.3	79717.9
2008Q4	71777.88	74919.19	78060.5
2009Q1	74275.87	77486.54	80697.2
2009Q2	74125.75	77410.53	80695.32
2009Q3	74773.28	78136.89	81500.51
2009Q4	72968.69	76415.79	79862.88
2010Q1	75447.27	78983.14	82519
2010Q2	75278.01	78907.13	82536.25
2010Q3	75906.72	79633.49	83360.26
2010Q4	74083.67	77912.38	81741.1
2011Q1	76544.34	80479.73	84415.13
2011Q2	76357.58	80403.73	84449.88
2011Q3	76969.22	81130.09	85290.96
2011Q4	75129.53	79408.98	83688.43

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Gas Use Per Customer Forecasting (Dth/Customer)(2006-2010)

Model		B1	B2	ARIMA	Winter's	Weighted Residential Use Per
Var	Dependent	USNR	USNR	USNR	USNR	
	Independent	PRCG_1	PRCG_1			
		GSP	PCI			
		CDDN	CDDN			
		AUTO(-4)	AUTO(-4)			
Weight		20.00%	20.00%	30.00%	30.00%	100.00%

**Residential Use Per Customer Forecast -- Percent Growth from Base Year (2005)**

2006Q4-2007Q3	1.21%	0.97%	-2.13%	2.81%	0.77%
2007Q4-2008Q3	1.24%	1.00%	3.34%	-0.84%	1.17%
2008Q4-2009Q3	1.34%	1.03%	-0.76%	-0.84%	0.39%
2009Q4-2010Q3	1.22%	0.94%	-1.09%	-0.85%	0.26%
2010Q4-2011Q3	1.14%	0.81%	-0.59%	-0.86%	0.31%
Average	1.23%	0.95%	-0.24%	-0.11%	0.58%

**Residential Use Per Customer Forecast (Annual)**

2005Q4-2006Q3	85	85	88	85	86
2006Q4-2007Q3	86	86	86	88	86
2007Q4-2008Q3	87	86	89	87	87
2008Q4-2009Q3	88	87	88	86	88
2009Q4-2010Q3	90	88	87	86	88
2010Q4-2011Q3	91	89	86	85	88
Average	88	87	87	86	87

**Residential Use Per Customer Forecast (Quarterly)**

2005Q1	51	51	51	51	51
2005Q2	16	16	16	16	16
2005Q3	5	5	5	5	5
2005Q4	16	16	16	16	16
2006Q1	49	49	52	48	49
2006Q2	15	15	14	16	15
2006Q3	5	5	5	5	5
2006Q4	19	19	15	19	18
2007Q1	48	47	52	48	49
2007Q2	15	15	13	16	15
2007Q3	5	5	5	5	5
2007Q4	21	21	15	19	19
2008Q1	47	46	53	48	48
2008Q2	15	14	14	15	15
2008Q3	5	5	6	5	5
2008Q4	23	23	14	19	20
2009Q1	46	45	53	48	48
2009Q2	15	14	14	15	14
2009Q3	5	5	6	5	5
2009Q4	24	24	14	18	21
2010Q1	45	45	53	48	47
2010Q2	15	14	13	15	14
2010Q3	5	5	6	4	5
2010Q4	26	25	14	18	22
2011Q1	45	44	53	47	47
2011Q2	15	14	13	15	14
2011Q3	6	5	6	4	5
2011Q4	27	26	14	18	22

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Gas Use Per Customer Forecasting

Regression Model: B1  
 Dependent Variable: USNR  
 Independent Variable: PRCG\_1 GSP CDDN Auto(-4)

Size 84 Parameters 4  
 Mean 23.3816 Std Dev 14.09718  
 R-Square 0.9944 DW 1.9741  
 SSE 36230.36 MSE 431.3138

Term	PRCG_1	GSP	CDDN	Auto(-4)
Estimate	-19.9013	7.73E-04	0.1125	-0.824984
Std Error	17.731	4.74E-04	0.006663	0.061664
T-Ratio	-1.12	1.63	16.88	-13.38
Pr>[t]	0.2649	0.1065	<.0001	

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	47.5282	49.035953	50.5437
2006Q2	13.62485	15.143039	16.66123
2006Q3	3.448361	4.9521578	6.455954
2006Q4	17.24014	18.74014	20.24015
2007Q1	46.21848	47.702759	49.18704
2007Q2	13.29935	14.790702	16.28205
2007Q3	3.534074	5.0120428	6.490012
2007Q4	19.38771	20.861844	22.33598
2008Q1	45.2174	46.676239	48.13508
2008Q2	13.18606	14.649715	16.11337
2008Q3	3.679912	5.1310135	6.582115
2008Q4	21.25179	22.699019	24.14625
2009Q1	44.48372	45.916401	47.34909
2009Q2	13.15536	14.591371	16.02738
2009Q3	3.854232	5.2784208	6.70261
2009Q4	22.83283	24.253132	25.67344
2010Q1	43.90934	45.315992	46.72264
2010Q2	13.15861	14.567544	15.97647
2010Q3	4.026361	5.4241265	6.821892
2010Q4	24.1694	25.563314	26.95723
2011Q1	43.47512	44.856299	46.23747
2011Q2	13.19831	14.581037	15.96376
2011Q3	4.207047	5.5792023	6.951358
2011Q4	25.31114	26.679484	28.04783

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Gas Use Per Customer Forecasting

Regression Model: B2  
 Dependent Variable: USNR  
 Independent Variable: PRCG\_1 PCI CDDN Auto(-4)

Size 84 Parameter: 4  
 Mean 23.3816 Std Dev 14.09718  
 R-Square 0.9944 DW 1.9878  
 SSE 36421.39 MSE 433.588

Term	PRCG_1	PCI	CDDN	Auto(-4)
Estimate	-20.0477	1.1484	0.1111	-0.819139
Std Error	17.5442	0.6569	0.006892	0.062584
T-Ratio	-1.14	1.75	16.12	-13.09
Pr>[t]	0.2564	0.0841	<.0001	

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	47.31945	48.8231	50.32675
2006Q2	13.50867	15.02239	16.53612
2006Q3	3.390562	4.890042	6.389522
2006Q4	17.20183	18.69771	20.19359
2007Q1	45.88745	47.36767	48.8479
2007Q2	13.15564	14.6424	16.12915
2007Q3	3.460455	4.933986	6.407517
2007Q4	19.33426	20.80415	22.27404
2008Q1	44.78536	46.24001	47.69466
2008Q2	12.98877	14.4476	15.90644
2008Q3	3.559831	5.006291	6.452751
2008Q4	21.14133	22.58415	24.02697
2009Q1	43.94622	45.37455	46.80287
2009Q2	12.89488	14.32582	15.75675
2009Q3	3.686523	5.105838	6.525154
2009Q4	22.66413	24.07982	25.49552
2010Q1	43.2903	44.69238	46.09445
2010Q2	12.84212	14.24572	15.64933
2010Q3	3.804666	5.197328	6.589989
2010Q4	23.92057	25.30968	26.69879
2011Q1	42.76655	44.14293	45.51931
2011Q2	12.81371	14.19086	15.56801
2011Q3	3.920657	5.287473	6.654289
2011Q4	24.97329	26.33664	27.69998

# APPENDIX A

KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Gas Use Per Customer Forecasting

ARIMA Model (0,1,2)

Time Series: USNR

Size	85	Parameter:	3	
Mean	23.07367	Std Dev	14.56763	
R-Square	0.985375	DW	1.922783	
SSE	25081.69	MSE	305.8743	RMSE 17.48926
Estimation				
Parameter	MU	MA1_1	MA1_2	
Estimate	-0.795273	0.365959	-0.303824	
Standard Error	1.7307	0.13731	0.136645	
t Value	-0.459509	2.665207	-2.22346	
FACTOR	0	1	1	
Lag	0	17	20	

Forecasts (from Base Period 2005-Q4)

Date	L95	Forecast	U95
2006Q1	50.13358	51.68735	53.24111
2006Q2	12.83089	14.40092	15.97095
2006Q3	3.834074	5.389117	6.94416
2006Q4	13.6781	15.22694	16.77579
2007Q1	50.44688	51.98066	53.51443
2007Q2	11.71038	13.25963	14.80888
2007Q3	3.694458	5.230195	6.765931
2007Q4	13.91787	15.4477	16.97753
2008Q1	51.91284	53.42824	54.94365
2008Q2	12.23814	13.77068	15.30322
2008Q3	4.395847	5.915191	7.434534
2008Q4	12.91721	14.42999	15.94276
2009Q1	51.77492	53.27445	54.77399
2009Q2	12.24712	13.76207	15.27703
2009Q3	4.9235	6.425874	7.928247
2009Q4	12.71309	14.20856	15.70402
2010Q1	51.65238	53.13533	54.61828
2010Q2	11.90242	13.39934	14.89626
2010Q3	4.704538	6.189638	7.674737
2010Q4	12.45531	13.93392	15.41253
2011Q1	51.58902	53.05581	54.52259
2011Q2	11.84022	13.31981	14.7994
2011Q3	4.641785	6.11011	7.578436
2011Q4	12.39231	13.85439	15.31648

# APPENDIX A

KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Gas Use Per Customer Forecasting

Winters Exponential Smoothing Model

Var: USNR

Size	84	Parameter:	5
Mean	23.07367	Std Dev	14.56763
R-Square	0.967208	DW	2.31736
SSE	695.9008	MSE	26.37993
		RMSE	5.13614

	Constant	Linear	Quarter1	Quarter2	Quarter3	Quarter4
Estimate	26.37993	215.4984	260.0458	-64.49231	-169.9895	-25.564
Weight	0.2	0.2	0.25	0.25	0.25	0.25

Forecasts (from Base Period 2005-Q4)

Date	L95	Forecast	U95
2006Q1	46.81059	48.27548	49.74037
2006Q2	14.34829	15.82562	17.30295
2006Q3	3.693185	5.155618	6.618051
2006Q4	17.57704	19.03472	20.49239
2007Q1	46.65012	48.09218	49.53425
2007Q2	14.18927	15.64233	17.09538
2007Q3	3.533227	4.972324	6.411421
2007Q4	17.4167	18.85142	20.28615
2008Q1	46.48885	47.90889	49.32893
2008Q2	14.02924	15.45903	16.88882
2008Q3	3.372344	4.78903	6.205715
2008Q4	17.25547	18.66813	20.08079
2009Q1	46.32678	47.7256	49.12441
2009Q2	13.86824	15.27574	16.68324
2009Q3	3.210566	4.605735	6.000904
2009Q4	17.09337	18.48483	19.8763
2010Q1	46.16392	47.5423	48.92068
2010Q2	13.70631	15.09244	16.47858
2010Q3	3.04793	4.422441	5.796952
2010Q4	16.93045	18.30154	19.67263
2011Q1	46.00029	47.35901	48.71772
2011Q2	13.54349	14.90915	16.27481
2011Q3	2.884471	4.239146	5.593822
2011Q4	16.76673	18.11825	19.46976

# APPENDIX A

KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Gas Consumption Forecasting (Dth) (2006 -- 2010)

Model	C1	C2	ARIMA	Weighted Res Sales	Calculated Sales	Combined (50/50)
Var	GSNR	GSNR	GSNR			
Dependent	GSP	PRCG				
Independent	Auto(-4)	GSP				
	Auto(-4)					
Weight	30.00%	30.00%	40.00%	100.00%		
Residential Gas Sales Forecast -- Percent Growth from Base Year (2005)						
2006Q4-2007Q3	2.57%	2.86%	0.80%	1.96%	2.80%	2.37%
2007Q4-2008Q3	2.65%	2.91%	3.65%	3.12%	3.08%	3.10%
2008Q4-2009Q3	3.02%	3.23%	3.07%	3.10%	2.21%	2.66%
2009Q4-2010Q3	2.86%	3.00%	0.69%	2.05%	2.04%	2.05%
2010Q4-2011Q3	2.79%	2.88%	1.56%	2.34%	2.14%	2.24%
Average	2.78%	2.98%	1.95%	2.51%	2.45%	2.48%
Residential Gas Sales Forecast (Dth) (Annual)						
2005Q4-2006Q3	6,440,173	6,373,218	6,267,804	6,351,139	6,190,483	6,270,811
2006Q4-2007Q3	6,605,996	6,555,369	6,318,014	6,475,615	6,363,654	6,419,635
2007Q4-2008Q3	6,780,906	6,745,872	6,548,691	6,677,510	6,559,457	6,618,483
2008Q4-2009Q3	6,985,470	6,963,457	6,749,937	6,884,653	6,704,409	6,794,531
2009Q4-2010Q3	7,185,317	7,172,667	6,796,495	7,025,993	6,841,297	6,933,645
2010Q4-2011Q3	7,385,507	7,379,427	6,902,273	7,190,389	6,987,414	7,088,902
Average	6,897,228	6,865,002	6,597,202	6,767,550	6,607,786	6,687,668
Residential Gas Sales Forecast (Dth) (Quarterly)						
2005Q1	3,528,270	3,528,270	3,528,270	3,528,270	3,656,773	3,592,521
2005Q2	1,160,112	1,160,112	1,160,112	1,160,112	1,152,706	1,156,409
2005Q3	408,202	408,202	408,202	408,202	396,872	402,537
2005Q4	1,166,664	1,166,664	1,166,664	1,166,664	1,117,630	1,142,147
2006Q1	3,559,793	3,558,606	3,590,859	3,571,863	3,599,159	3,585,511
2006Q2	1,258,946	1,214,090	1,076,523	1,172,520	1,097,882	1,135,201
2006Q3	454,771	433,858	433,758	440,092	375,812	407,952
2006Q4	1,196,674	1,194,043	1,163,577	1,182,646	1,289,845	1,236,246
2007Q1	3,579,722	3,600,875	3,652,102	3,615,020	3,608,859	3,611,939
2007Q2	1,340,108	1,283,348	1,058,275	1,210,347	1,085,920	1,148,134
2007Q3	489,491	477,104	444,060	467,602	379,030	423,316
2007Q4	1,214,658	1,204,545	1,206,344	1,208,299	1,414,044	1,311,171
2008Q1	3,600,796	3,645,295	3,774,692	3,683,704	3,645,106	3,664,405
2008Q2	1,429,259	1,365,667	1,054,872	1,260,427	1,102,754	1,181,590
2008Q3	536,193	530,364	512,783	525,080	397,553	461,317
2008Q4	1,243,818	1,225,694	1,178,654	1,212,315	1,506,041	1,359,178
2009Q1	3,630,725	3,698,181	3,865,989	3,745,067	3,668,355	3,706,711
2009Q2	1,523,717	1,452,855	1,131,908	1,345,735	1,115,229	1,230,482
2009Q3	587,211	586,727	573,386	581,536	414,784	498,160
2009Q4	1,273,658	1,246,673	1,197,762	1,235,204	1,601,358	1,418,281
2010Q1	3,659,009	3,748,018	3,863,514	3,767,514	3,695,129	3,731,321
2010Q2	1,615,496	1,537,093	1,142,776	1,402,887	1,124,005	1,263,446
2010Q3	637,154	640,884	592,443	620,389	420,805	520,597
2010Q4	1,302,582	1,265,905	1,215,450	1,256,726	1,685,064	1,470,895
2011Q1	3,687,643	3,797,116	3,892,877	3,802,579	3,734,352	3,768,466
2011Q2	1,706,712	1,620,754	1,172,139	1,467,095	1,138,337	1,302,716
2011Q3	688,571	695,652	621,807	663,989	429,660	546,825
2011Q4	1,332,195	1,285,233	1,244,813	1,283,154	1,764,365	1,523,759



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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Gas Consumption (Dth) Forecasting

Regression Model: C1b  
 Dependent Variable: GSNR  
 Independent Variable: GSP Auot(-1) Auot(-2) Auot(-3) Auot(-4)

Size 84 Parameter: 5  
 Mean 1317481 Std Dev 872900  
 R-Square 0.9939 DW 0.935  
 SSE 1.35E+14 MSE 1.61E+12

Term	GSP	Auot(-1)	Auot(-2)	Auot(-3)	Auot(-4)
Estimate	152.1634	-0.0171	5.96E-03	0.003858	-9.89E-01
Std Error	6.71E+01	1.95E-02	1.79E-02	1.97E-02	1.90E-02
T-Ratio	2.27	-0.88	0.33	0.2	-51.97
Pr>[t]	0.0259	0.3828	0.7403	0.8454	<.0001

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	2750675	3559793	4368910
2006Q2	1167627	1258946	1350264
2006Q3	364470	454771.1	545072.1
2006Q4	1106879	1196674	1286470
2007Q1	3490899	3579722	3668546
2007Q2	1249064	1340108	1431153
2007Q3	399420.4	489490.8	579561.2
2007Q4	1125110	1214658	1304206
2008Q1	3512177	3600796	3689415
2008Q2	1338608	1429259	1519910
2008Q3	446467.9	536192.6	625917.3
2008Q4	1154636	1243818	1333000
2009Q1	3542433	3630725	3719016
2009Q2	1433534	1523717	1613899
2009Q3	497903.7	587210.6	676517.4
2009Q4	1184911	1273658	1362406
2010Q1	3571115	3659009	3746904
2010Q2	1525839	1615496	1705153
2010Q3	548320.1	637153.6	725987.1
2010Q4	1214316	1302582	1390847
2011Q1	3600196	3687643	3775090
2011Q2	1617615	1706712	1795809
2011Q3	600244.9	688570.6	776896.3
2011Q4	1244443	1332195	1419947

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KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Gas Consumption (Dth) Forecasting

Regression Model: C2c  
 Dependent Variable: GSNR  
 Independent Variable: PRCG\_1 GSP Auot(-1) Auot(-2) Auot(-3) Auot(-4)

Size 81 Parameters 7  
 Mean 1317481.5 Std Dev 872900.04  
 R-Square 0.9813 DW 1.7866  
 SSE 1.25E+14 MSE 1.54E+12

Term	Intercept	PRCG_1	GSP	Auot(-1)	Auot(-2)	Auot(-3)	Auot(-4)
Estimate	8469003	-1117401	156.4301	0.0596	0.0692	0.0795	-0.9301
Std Error	1.60E+06	1.03E+06	4.33E+01	5.61E-03	2.11E-03	1.04E-02	2.71E-03
T-Ratio	5.31	-1.09	3.61	10.63	32.76	7.67	-343.06
Pr>[t]	<.0001	0.2796	0.0005	<.0001	<.0001	<.0001	<.0001

Forecasts (from Base Period 2005-Q4)

Date	LCL	Forecast	UCL
2006Q1	3251848.49	3558605.89	3865363.3
2006Q2	1123306.22	1214089.95	1304873.7
2006Q3	344076.987	433857.635	523638.28
2006Q4	1104715.49	1194042.71	1283369.9
2007Q1	3512511.48	3600874.89	3689238.3
2007Q2	1192728.67	1283347.93	1373967.2
2007Q3	387450.464	477103.741	566757.02
2007Q4	1115378.72	1204544.89	1293711.1
2008Q1	3557050.86	3645295.19	3733539.5
2008Q2	1275297.49	1365667.31	1456037.1
2008Q3	440921.216	530364.144	619807.07
2008Q4	1136771.27	1225694	1314616.7
2009Q1	3610141.7	3698180.55	3786219.4
2009Q2	1362785.01	1452855.31	1542925.6
2009Q3	497541.284	586726.773	675912.26
2009Q4	1158033.33	1246672.69	1335312
2010Q1	3660226.42	3748017.64	3835808.9
2010Q2	1447361.88	1537092.73	1626823.6
2010Q3	551994.157	640884.001	729773.85
2010Q4	1177577.42	1265904.86	1354232.3
2011Q1	3709603	3797116.08	3884629.1
2011Q2	1531386.05	1620754.2	1710122.3
2011Q3	607080.588	695652.217	784223.85
2011Q4	1197234.78	1285233.23	1373231.7

# APPENDIX A

KeySpan Energy Delivery New England  
 EnergyNorth Natural Gas Inc.  
 Residential Gas Consumption (Dth) Forecasting

ARIMA Model (0,1,2)

Time Series: GSNR

Size	85 Parameters	3	
Mean	1317481.496	Std Dev	872900.0386
R-Square	0.987879378	DW	1.320508125
SSE	1.10962E+14	MSE	1.3532E+12
		RMSE	1163271.1
Estimation			
Parameter	MU	MA1_1	MA1_2
Estimate	293631.8719	0.3441897	-0.259873623
Standard Error	113903.1465	0.1386313	0.137639482
t Value	2.577908345	2.4827701	-1.888074693
FACTOR	0	1	1
Lag	0	17	20

Forecasts (from Base Period 2005-Q4)

Date	L95	Forecast	U95
2006Q1	3362861.849	3590858.8	3818855.738
2006Q2	981826.8792	1076523.1	1171219.257
2006Q3	340083.9819	433758.08	527432.1735
2006Q4	1070456.503	1163577.4	1256698.356
2007Q1	3559987.139	3652102.2	3744217.342
2007Q2	963848.0616	1058274.9	1152701.698
2007Q3	350600.9659	444059.67	537518.3833
2007Q4	1113430.661	1206344.4	1299258.2
2008Q1	3682744.882	3774692.3	3866639.75
2008Q2	960540.0247	1054871.6	1149203.267
2008Q3	419375.7474	512782.94	606190.1337
2008Q4	1085837.462	1178654.5	1271471.529
2009Q1	3774092.862	3865988.6	3957884.334
2009Q2	1037647.178	1131907.7	1226168.216
2009Q3	480030.2256	573385.79	666741.362
2009Q4	1105023.618	1197762.4	1290501.156
2010Q1	3771661.224	3863513.9	3955366.605
2010Q2	1048802.51	1142775.6	1236748.782
2010Q3	499338.5152	592443.36	685548.2126
2010Q4	1122950.685	1215450.2	1307949.659
2011Q1	3801229.377	3892877.1	3984524.826
2011Q2	1078509.428	1172138.8	1265768.239
2011Q3	529014.3185	621806.55	714598.7837
2011Q4	1152620.821	1244813.4	1337005.897

KeySpan Energy Delivery New England - EnergyNorth Gas Inc.  
Demand Forecast Econometric Model  
Variable List  
(2005)

Index	Variable Name	Unit	Description	Source	Period Covered	End of History Date
<b>Dependent Variables</b>						
1	CUSN		Number of Non-Heating Residential Customers	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
2	CUSH		Number of Heating Residential Customers	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
3	CUSR		Number of Residential Customers	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
4	CUSI		Number of Industrial Customers	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
5	CUSC		Number of Commercial Customers	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
6	CUSCI		Number of Commercial and Industrial Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
7	USEN	MMBTU/Customer	Gas Consumption per Non-Heating Res. Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
8	USEH	MMBTU/Customer	Gas Consumption per Heating Res. Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
9	USER	MMBTU/Customer	Gas Consumption per Residential Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
10	USEC	MMBTU/Customer	Gas Consumption per Commercial Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
11	USEI	MMBTU/Customer	Gas Consumption per Industrial Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
12	USECI	MMBTU/Customer	Gas Consumption per C & I Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
13	USNN	MMBTU/Customer	Gas Consumption per Non-Heating Res. Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
14	USNH	MMBTU/Customer	Gas Consumption per Heating Res. Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
15	USNR	MMBTU/Customer	Gas Consumption per Residential Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
16	USNC	MMBTU/Customer	Gas Consumption per Commercial Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
17	USNI	MMBTU/Customer	Gas Consumption per Industrial Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
18	USNCI	MMBTU/Customer	Gas Consumption per C & I Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
19	GASN	MMBTU	Gas Consumption of Residential Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
20	GASH	MMBTU	Gas Consumption of Heating Res. Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
21	GASR	MMBTU	Gas Consumption of Non-Heating Res. Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
22	GASC	MMBTU	Gas Consumption of C & I Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
23	GASI	MMBTU	Gas Consumption of Commercial Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
24	GASCI	MMBTU	Gas Consumption of Industrial Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
25	GSNN	MMBTU	Normal Gas Consumption of Residential Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
26	GSNH	MMBTU	Normal Gas Consumption of Heating Res. Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
27	GSNR	MMBTU	Normal Gas Cons. of Non-Heating Res. Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
28	GSNC	MMBTU	Normal Gas Consumption of C&I Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
29	GSNI	MMBTU	Normal Gas Consumption of Commercial Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
30	GSNCI	MMBTU	Normal Gas Consumption of Industrial Cust.	EnergyNorth Historical Records	1984Q1-2005Q4	2005 Q4
<b>Independent Variables</b>						
31	CPI	1982-84 = 100	Consumer Price Index	Global Insight	1984Q1-2020Q4	2005 Q4
32	GSP	Millions of \$	Gross State Product--Aggregate	Bureau of Economic Analysis, Global Insight	1984Q1-2020Q4	2004 Q4
33	RGSP	Millions of 2000 \$	Real Gross State Product--Aggregate	Bureau of Economic Analysis, Global Insight	1984Q1-2020Q4	2004 Q4
34	POP	Thousands	Total Population	Bureau of Census, Current Population Reports	1984Q1-2020Q4	2005 Q2
35	NMIG	Thousands	Net Migration	Bureau of Census, Current Population Reports	1984Q1-2020Q4	2005 Q2
36	EMP	Thousands	Employment, Total Non-Agriculture	Bureau of Labor Statistics	1984Q1-2020Q4	2005 Q4
37	RUEM	Percent	Unemployment Rate	Bureau of Labor Statistics	1984Q1-2020Q4	2005 Q4
38	UEMP	Thousands	Number Unemployed	Bureau of Labor Statistics	1984Q1-2020Q4	2005 Q4
39	REMP	Thousands	Resident Employment	Bureau of Labor Statistics	1984Q1-2020Q4	2005 Q4
40	LBFC	Thousands	Total Labor Force	Bureau of Labor Statistics	1984Q1-2020Q4	2005 Q4
41	HH	Thousands	Households, Family and Non-Family	Global Insight	1984Q1-2020Q4	2000 Q1
42	HSTM	Thousands	Housing Starts, Private Multi-Family	Global Insight	1984Q1-2020Q4	2005 Q4
43	HSTS	Thousands	Housing Starts, Private Single Family	Global Insight	1984Q1-2020Q4	2005 Q4
44	HSTT	Thousands	Housing Starts, Total Private	Global Insight	1984Q1-2020Q4	2005 Q4
45	HSOLD	Thousands	Home Sales, Existing Single-family units	Global Insight	1984Q1-2020Q4	2005 Q4
46	HNC	Thousands of \$	Average Household Income	Global Insight	1984Q1-2020Q4	2000 Q1
47	PCI	Thousands of \$	Per Capita Personal Income	Bureau of Economic Analysis, Global Insight	1984Q1-2020Q4	2005 Q4
48	RPCI	Thousands 2000 \$	Real Per Capita Personal Income	Bureau of Economic Analysis	1984Q1-2020Q4	2005 Q4
49	PINC	Millions of \$	Personal Income, Total, By Place of Residence	Bureau of Economic Analysis, Global Insight	1984Q1-2020Q4	2005 Q4
50	RPINC	Millions of 2000 \$	Real Personal Income, Total	Bureau of Economic Analysis, Global Insight	1984Q1-2020Q4	2005 Q4
51	RPIR	Millions of 2000 \$	Real Income, Residence Adjustment	Bureau of Economic Analysis, Global Insight	1984Q1-2020Q4	2005 Q4
52	RPTR	Millions of 2000 \$	Real Nonfarm Proprietors Income	Bureau of Economic Analysis	1984Q1-2020Q4	2005 Q4
53	PPTP	Millions of \$	Personal Income, Total Proprietors Income,	Bureau of Economic Analysis, Global Insight	1984Q1-2020Q4	2005 Q4
54	TPTR	Millions of 2000 \$	Real Total Proprietors Income	Bureau of Economic Analysis, Global Insight	1984Q1-2020Q4	2005 Q4
55	PINF	Millions of \$	Personal Income, Nonfarm Proprietors Income	Bureau of Economic Analysis	1984Q1-2020Q4	2005 Q4
56	INDX	(2002=100)	Industrial Production Index, Total	Global Insight	1984Q1-2020Q4	2005 Q4
57	PRCO	(\$/MCF)	New Hampshire #2 Heating Oil Production Price	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
58	PRCG	(\$/MCF)	New Hampshire Natural Gas City Gate Price	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
59	PRCR	(\$/MCF)	New Hampshire Residential Natural Gas Price	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
60	PRCC	(\$/MCF)	New Hampshire Commercial Natural Gas Price	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
61	PRCI	(\$/MCF)	New Hampshire Industrial Natural Gas Price	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
62	PRCCI	(\$/MCF)	New Hampshire C & I Natural Gas Price	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
63	EGYO	(MMCF)	New Hampshire #2 Heating Oil consmp	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
64	EGYD	(MMCF)	New Hampshire Natural Gas consmp by All	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
65	EGYR	(MMCF)	New Hampshire Residential Natural Gas consmp	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
66	EGYC	(MMCF)	New Hampshire Commercial Natural Gas consmp	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
67	EGYI	(MMCF)	New Hampshire Industrial Natural Gas consmp	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
68	RPRR	PRCR/PRCO	Price Ratio: Res. Natural Gas Price : #2 Oil Price	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
69	RPRC	PRCC/PRCO	Price Ratio: Commercial Gas Price : #2 Oil Price	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
70	RPRI	PRCI/PRCO	Price Ratio: Industrial Gas Price : #2 Oil Price	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
71	REGR	EGYR/EGYO	Energy Use Ratio: Res. Natural Gas : #2 Oil	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
72	REGC	EGYC/EGYO	Energy Use Ratio: Commercial Gas : #2 Oil	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
73	REGI	EGYI/EGYO	Energy Use Ratio: Industrial Gas : #2 Oil	U.S. Energy Information Administration	1984Q1-2005Q4	2005 Q4
74	REVN	(\$)	Revenue to Residential Non-Heating Customers	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
75	REVM	(\$)	Revenue to Residential Heating Customers	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
76	REVR	(\$)	Revenue to Residential Customers	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
77	REVC	(\$)	Revenue to Commercial Customers	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
78	REVI	(\$)	Revenue to Industrial Customers	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
79	REVCI	(\$)	Revenue to Commercial and Industrial Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
80	RVNH	(\$)	Revenue (Normal)to Residential Non-Heating Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
81	RVNH	(\$)	Revenue (Normal)to Residential Heating Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
82	RVNR	(\$)	Revenue (Normal)to Residential Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
83	RVNC	(\$)	Revenue (Normal)to Commercial Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
84	RVNI	(\$)	Revenue (Normal)to Industrial Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
85	RVNCI	(\$)	Revenue (Normal)to C & I Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4

KeySpan Energy Delivery New England - EnergyNorth Gas Inc.  
 Demand Forecast Econometric Model  
 Variable List  
 (2005)

Index	Variable Name	Unit	Description	Source	Period Covered	End of History Date
86	CHGN	(\$/MMBTU)	Company Charge to Residential Non-Heating Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
87	CHGH	(\$/MMBTU)	Company Charge to Residential Heating Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
88	CHGR	(\$/MMBTU)	Company Charge to Residential Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
89	CHGC	(\$/MMBTU)	Company Charge to Commercial Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
90	CHGI	(\$/MMBTU)	Company Charge to Industrial Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
91	CHGCI	(\$/MMBTU)	Company Charge to C & I Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
92	CHNN	(\$/MMBTU)	Company charge (Normal)to Res. Non-Heating Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
93	CHNH	(\$/MMBTU)	Company charge (Normal)to Res. Heating Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
94	CHNR	(\$/MMBTU)	Company charge (Normal)to Residential Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
95	CHNC	(\$/MMBTU)	Company charge (Normal)to Commercial Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
96	CHNI	(\$/MMBTU)	Company charge (Normal)to Industrial Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
97	CHNCI	(\$/MMBTU)	Company charge (Normal)to C & I Cust.	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
98	CDDN		Normal Callendar Degree Days	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
99	CDDA		Actual Callendar Degree Days	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
100	BDDN		Normal Billing Degree Days	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4
101	BDDA		Actual Billing Degree Days	EnergyNorth Billing Frequency Record	1984Q1-2005Q4	2005 Q4



Res Var Index Res Var Name	1 CUSN	2 CUSH	3 CUSR	4 USEN	5 USEH	6 USER	7 USNN	8 USNH	9 USNR
Description	ENGI: Number of Non-Heating Residential Customers	ENGI: Number of Heating Residential Customers	ENGI: Number of Residential Customers	ENGI: Natural Gas Consumption per Non-Heating Residential Customers	ENGI: Natural Gas Consumption per Heating Residential Customers	ENGI: Natural Gas Consumption per Residential Customers	ENGI: Natural Gas Consumption per Non-Heating Residential Customers	ENGI: Natural Gas Consumption per Heating Residential Customers	ENGI: Natural Gas Consumption per Residential Customers
Start Year	1984	1984	1984	1984	1984	1984	1984	1984	1984
Start Period	4	4	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4
2004Q2	5585	64293	69878	5.84	18.38	17.37	5.70	17.33	16.40
2004Q3	5675	66341	72016	3.68	5.92	5.74	3.67	5.90	5.73
2004Q4	5275	62637	67911	5.71	20.84	19.75	5.27	17.78	16.81
2005Q1	5403	66205	71607	9.02	46.66	43.82	9.78	52.50	49.27
2005Q2	5384	66191	71575	5.79	18.88	17.90	5.50	17.08	16.21
2005Q3	5423	67908	73331	3.54	5.72	5.56	3.54	5.73	5.57
2005Q4	5076	64411	69487	5.78	20.84	19.74	5.36	17.69	16.79
2006Q1									
2006Q2									
2006Q3									
2006Q4									
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2018Q3									
2018Q4									
2019Q1									
2019Q2									
2019Q3									
2019Q4									
2020Q1									
2020Q2									
2020Q3									
2020Q4									





Res Var Index Res Var Name	10 GASN	11 GASH	12 GASR	13 GSNN	14 GSNH	15 GSNR	16 CPI	17 GSP	18 RGSP
	ENGI: Natural Gas Consumption of Residential Customers	ENGI: Natural Gas Consumption of Heating Residential Customers	ENGI: Natural Gas Consumption of Non-Heating Residential Customers	ENGI: Normal Natural Gas Consumption of Residential Customers	ENGI: Normal Natural Gas Consumption of Heating Residential Customers	ENGI: Normal Natural Gas Consumption of Non-Heating Residential Customers	Consumer Price Index	Gross State Product- Aggregate	Real Gross State Product- Aggregate
Description Start Year	1984	1984	1984	1984	1984	1984	1984	1984	1984
Start Period	4	4	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4
2004Q2	32608	1181517	1214124	31839	1114166	1146005	225.8373	51525.29	48053.73
2004Q3	20859	392477	413335	20854	391642	412497	225.0902	52286.95	48660.33
2004Q4	30104	1311378	1341482	27801	1113762	1141563	227.8728	53153.00	49190.69
2005Q1	48740	3089376	3138116	52856	3475414	3528270	229.1702	54039.51	49651.03
2005Q2	31153	1249895	1281048	29615	1130497	1160112	233.4505	54774.72	50023.85
2005Q3	19200	388400	407600	19196	389007	408202	236.8629	55720.48	50494.77
2005Q4	29337	1342515	1371852	27229	1139435	1166684	237.9245	58310.86	50616.27
2006Q1							239.3080	57628.09	51387.60
2006Q2							240.4824	58496.71	51893.18
2006Q3							240.9599	59177.66	52269.32
2006Q4							241.9080	59832.92	52592.77
2007Q1							242.9320	60473.02	52888.57
2007Q2							243.8489	61103.39	53245.86
2007Q3							244.9061	61789.98	53646.33
2007Q4							246.1188	62563.78	54094.72
2008Q1							247.4104	63411.33	54540.22
2008Q2							248.4899	64281.08	55051.28
2008Q3							249.8398	65124.93	55534.69
2008Q4							250.7177	66026.64	56073.11
2009Q1							251.8801	66949.77	56580.55
2009Q2							252.9048	67853.68	57068.00
2009Q3							253.9322	68880.18	57524.68
2009Q4							254.9778	69530.31	58005.99
2010Q1							256.2329	70398.21	58441.16
2010Q2							257.3748	71296.48	58935.54
2010Q3							258.5414	72102.80	59351.66
2010Q4							259.7872	72968.46	59805.39
2011Q1							261.0562	73887.63	60280.22
2011Q2							262.3007	74748.54	60700.16
2011Q3							263.6250	75561.89	61093.31
2011Q4							264.9472	76445.39	61539.10
2012Q1							266.2575	77349.46	61965.71
2012Q2							267.6442	78238.77	62402.78
2012Q3							269.0481	79067.33	62794.61
2012Q4							270.4765	79878.00	63246.70
2013Q1							271.9482	80837.50	63697.04
2013Q2							273.3823	81870.22	64156.56
2013Q3							274.8083	82777.18	64605.26
2013Q4							276.2041	83719.07	65082.96
2014Q1							277.6452	84748.46	65583.05
2014Q2							279.1098	85740.10	66077.86
2014Q3							280.5180	86676.81	66537.63
2014Q4							281.9082	87677.07	67045.74
2015Q1							283.3054	88759.57	67573.20
2015Q2							284.7407	89820.44	68109.96
2015Q3							286.1709	90840.91	68613.88
2015Q4							287.5193	91925.26	69167.66
2016Q1							288.9131	93094.04	69741.90
2016Q2							290.3538	94183.99	70279.06
2016Q3							291.7824	95209.67	70765.67
2016Q4							293.2204	96347.15	71328.18
2017Q1							294.7927	97577.23	71883.85
2017Q2							296.3936	98771.34	72431.16
2017Q3							298.0089	99952.90	72962.00
2017Q4							299.6334	101228.97	73553.67
2018Q1							301.2300	102544.75	74137.85
2018Q2							302.8437	103812.71	74710.92
2018Q3							304.5028	105011.85	75226.78
2018Q4							306.1980	106337.05	75819.98
2019Q1							307.9166	107701.61	76401.10
2019Q2							309.6488	109026.16	76979.91
2019Q3							311.3747	110320.35	77535.48
2019Q4							313.1011	111705.45	78148.19
2020Q1							314.7843	113128.86	78751.32
2020Q2							316.4997	114484.48	79332.55
2020Q3							318.2606	115799.04	79877.87
2020Q4							320.0713	117225.16	80484.06











Res Var Index	37	38	39	40	41	42	43	44	45		
Res Var Name	RPTR	PITP	TPTR	PINF	INDX	PRCG	PRCR	EGYG	EGYR		
Description	Real Nonfarm Proprietors Income		Personal Income, Total Proprietors Income		Personal Income, Nonfarm Proprietors Income		Industrial Production Index	New Hampshire Natural Gas City Gate Price	New Hampshire Residential Natural Gas Price	New Hampshire Natural Gas Consumption by All	New Hampshire Residential Natural Gas Consumption
	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984
Start Year	4	4	4	4	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4	4	4
2004Q2	3936.57	4258.00	3939.35	4255.00	105.50	5.99	18.3500	4222.00	162.72		
2004Q3	3993.22	4333.00	3994.14	4332.00	107.73	7.63	16.3800	3269.00	260.08		
2004Q4	3991.73	4364.00	3991.73	4364.00	108.05	9.07	13.2700	6934.00	1345.51		
2005Q1	4053.27	4455.00	4052.36	4456.00	109.52	8.21	14.6600	5693.00	746.12		
2005Q2	4123.36	4566.00	4119.75	4570.00	110.23	9.65	17.3000	6050.00	182.29		
2005Q3	4159.29	4647.00	4154.82	4652.00	109.68	12.75	18.5300	6050.00	245.80		
2005Q4	4178.91	4703.00	4175.36	4707.00	111.33	12.29	17.0100	6050.00	1183.13		
2006Q1	4122.75	4663.00	4121.45	4665.08	111.77	12.35					
2006Q2	4139.63	4702.00	4138.13	4704.40	112.82	12.99					
2006Q3	4182.86	4765.00	4180.99	4767.78	113.39	12.99					
2006Q4	4209.51	4815.00	4207.65	4817.44	112.98	13.09					
2007Q1	4233.43	4863.00	4231.71	4865.30	113.27	13.29					
2007Q2	4262.85	4917.00	4261.43	4919.19	113.84	13.37					
2007Q3	4294.27	4975.00	4293.18	4976.92	114.11	13.48					
2007Q4	4331.61	5042.00	4330.57	5043.89	114.74	13.60					
2008Q1	4374.07	5117.00	4373.14	5118.59	115.37	13.70					
2008Q2	4423.71	5198.00	4422.85	5199.32	115.93	13.81					
2008Q3	4467.48	5273.00	4465.69	5274.14	116.57	13.91					
2008Q4	4515.12	5351.00	4514.42	5352.78	117.32	14.02					
2009Q1	4568.64	5439.00	4568.05	5440.24	118.22	14.12					
2009Q2	4625.99	5530.00	4625.43	5530.88	119.11	14.23					
2009Q3	4672.41	5608.00	4671.88	5608.91	119.99	14.33					
2009Q4	4719.52	5687.00	4719.03	5687.93	120.98	14.44					
2010Q1	4765.16	5768.00	4764.74	5768.66	121.97	14.54					
2010Q2	4818.34	5857.00	4817.95	5857.74	122.89	14.65					
2010Q3	4862.76	5937.00	4862.41	5937.43	123.80	14.75					
2010Q4	4907.73	6019.00	4907.41	6019.73	124.84	14.86					
2011Q1	4955.73	6106.00	4955.44	6107.07	125.89	14.96					
2011Q2	5002.42	6192.00	5002.16	6193.03	126.96	15.07					
2011Q3	5042.95	6272.00	5042.72	6273.07	128.06	15.17					
2011Q4	5086.14	6356.00	5085.93	6357.05	129.14	15.27					
2012Q1	5131.01	6443.00	5130.81	6443.57	130.27	15.38					
2012Q2	5176.27	6531.00	5176.09	6532.20	131.45	15.48					
2012Q3	5216.80	6615.00	5216.64	6615.61	132.64	15.59					
2012Q4	5259.15	6702.00	5259.00	6702.32	133.84	15.69					
2013Q1	5303.14	6791.00	5303.00	6791.98	135.04	15.80					
2013Q2	5347.81	6882.00	5347.69	6882.76	136.25	15.90					
2013Q3	5389.32	6969.00	5389.21	6969.34	137.47	16.01					
2013Q4	5430.65	7055.00	5430.55	7055.87	138.82	16.11					
2014Q1	5477.32	7150.00	5477.24	7150.78	140.31	16.22					
2014Q2	5525.82	7248.00	5525.74	7248.86	141.82	16.32					
2014Q3	5568.55	7339.00	5568.48	7339.14	143.36	16.43					
2014Q4	5613.22	7432.00	5613.15	7432.16	144.94	16.53					
2015Q1	5663.94	7534.00	5663.88	7534.22	146.46	16.64					
2015Q2	5714.26	7636.00	5714.21	7636.94	148.08	16.74					
2015Q3	5760.95	7735.00	5760.91	7735.32	149.72	16.85					
2015Q4	5810.50	7836.00	5810.46	7837.02	151.42	16.95					
2016Q1	5865.79	7947.00	5865.76	7948.03	153.21	17.08					
2016Q2	5920.40	8059.00	5920.37	8059.46	155.03	17.16					
2016Q3	5970.00	8164.00	5969.97	8164.91	156.90	17.27					
2016Q4	6022.99	8275.00	6022.97	8275.92	158.79	17.37					
2017Q1	6082.50	8401.00	6082.48	8401.67	160.34	17.47					
2017Q2	6142.63	8529.00	6142.61	8529.99	161.86	17.58					
2017Q3	6204.05	8661.00	6204.03	8661.49	163.39	17.68					
2017Q4	6267.69	8797.00	6267.67	8797.31	164.99	17.79					
2018Q1	6332.56	8935.00	6332.55	8935.81	166.77	17.89					
2018Q2	6394.44	9071.00	6394.43	9071.36	168.58	18.00					
2018Q3	6454.16	9205.00	6454.14	9205.57	170.31	18.10					
2018Q4	6518.44	9348.00	6518.43	9348.12	172.06	18.21					
2019Q1	6583.23	9492.00	6583.22	9492.87	173.85	18.31					
2019Q2	6644.54	9633.00	6644.53	9633.92	175.67	18.42					
2019Q3	6705.98	9776.00	6705.97	9776.16	177.44	18.52					
2019Q4	6769.54	9922.00	6769.54	9922.72	179.23	18.63					
2020Q1	6837.05	10075.00	6837.05	10075.49	181.10	18.73					
2020Q2	6901.27	10225.00	6901.27	10225.20	182.99	18.84					
2020Q3	6963.09	10373.00	6963.08	10373.42	184.96	18.94					
2020Q4	7025.69	10525.00	7025.68	10525.19	186.81	19.05					





Res Var Index	46	47	48	49	50	51	52	53	54
Res Var Name	RPRR	REGR	REVN	REVH	REVR	RVNN	RVNH	RVNR	CHGN
Description	Price Ratio: Residential Natural Gas Price : #2 Heating Oil	Energy Consumption Ratio: Residential Natural Gas : #2 Heating Oil	Revenue to Residential Non-Heating Customers	Revenue to Residential Heating Customers	Revenue to Residential Customers	Revenue (Normal) to Residential Non-Heating Customers	Revenue (Normal) to Residential Heating Customers	Revenue (Normal) to Residential Customers	Company Charge to Residential Non-Heating Customers
Start Year	1984	1984	1984	1984	1984	1984	1984	1984	1984
Start Period	4	4	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4
2004Q2	1.77	5.66	197145.00	5000511.00	5197656.00	195325.00	4842926.00	5038251.00	6.05
2004Q3	1.27	3.43	171016.00	3006773.00	3177789.00	152322.00	2843372.00	2795694.00	8.20
2004Q4	1.03	7.21	184569.00	5149930.00	5334499.00	179679.00	4746919.00	4926598.00	6.13
2005Q1	1.06	11.17	231489.00	9423834.00	9655323.00	241242.00	10116906.00	10358148.00	4.75
2005Q2	1.17	5.91	189409.00	5169881.00	5359290.00	185749.00	4950953.00	5136702.00	6.08
2005Q3	1.08	4.32	161634.00	3047763.00	3209397.00	161625.00	3049194.00	3210819.00	8.42
2005Q4	1.04	9.30	178456.00	5218159.00	5396615.00	173453.00	4822475.00	4995928.00	6.08
2006Q1									
2006Q2									
2006Q3									
2006Q4									
2007Q1									
2007Q2									
2007Q3									
2007Q4									
2008Q1									
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2016Q3									
2016Q4									
2017Q1									
2017Q2									
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2018Q1									
2018Q2									
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2018Q4									
2019Q1									
2019Q2									
2019Q3									
2019Q4									
2020Q1									
2020Q2									
2020Q3									
2020Q4									

Res Var Index	55	56	57	58	59	60	61	62	63
Res Var Name	CHGH	CHGR	CHNN	CHNH	CHNR	CDDN	CDDA	BDDN	BDDA
	Company Charge to Residential Heating Customers	Company Charge to Residential Heating Customers	Company charge (Normal)to Residential Heating Customers	Company charge (Normal)to Residential Heating Customers	Company charge (Normal)to Residential Heating Customers	Normal Callendar Degree Days	Actual Callendar Degree Days	Normal Billing Degree Days	Actual Billing Degree Days
Description	1984	1984	1984	1984	1984	1984	1984	1984	1984
Start Year	4	4	4	4	4	4	4	4	4
Start Period	4	4	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4
1984Q1	7.54	7.79	16.19	7.90	8.16	3652	3644	3826	3718
1984Q2	8.12	8.54	14.85	7.25	7.63	1032	1074	1494	1599
1984Q3	8.84	9.65	19.92	9.73	10.58	286	284	227	208
1984Q4	8.02	8.34	23.07	10.62	11.07	2611	2310	2106	1893
1985Q1	7.84	8.09	16.74	8.13	8.39	3652	3507	3813	3593
1985Q2	8.48	8.98	14.73	7.08	7.49	1032	980	1488	1378
1985Q3	8.52	9.29	19.47	9.25	10.07	286	213	225	183
1985Q4	7.89	8.19	23.03	10.74	11.17	2611	2596	2101	2016
1986Q1	7.53	7.77	15.51	7.58	7.82	3652	3418	3803	3628
1986Q2	8.23	8.71	12.98	6.17	6.52	1032	906	1477	1290
1986Q3	9.34	10.06	23.94	11.61	12.50	286	359	229	304
1986Q4	7.01	7.22	20.74	10.20	10.51	2811	2566	2103	2137
1987Q1	6.50	6.67	12.66	6.17	6.33	3652	3528	3793	3613
1987Q2	6.58	6.86	10.53	5.06	5.28	1032	915	1471	1346
1987Q3	6.64	7.12	12.73	6.16	6.60	286	308	230	246
1987Q4	5.89	6.07	15.96	7.91	8.16	2611	2564	2103	2096
1988Q1	5.86	5.99	11.96	5.88	6.01	3652	3601	3781	3685
1988Q2	5.83	6.07	8.87	4.33	4.51	1032	1017	1465	1434
1988Q3	6.41	6.83	14.10	6.92	7.38	286	298	231	257
1988Q4	6.76	6.93	17.90	8.93	9.16	2611	2680	2108	2145
1989Q1	6.70	6.86	13.43	6.55	6.71	3652	3415	3773	3549
1989Q2	6.49	6.76	9.72	4.77	4.98	1032	1002	1458	1473
1989Q3	7.05	7.53	15.39	7.41	7.91	286	228	227	184
1989Q4	6.80	7.02	17.06	9.15	9.41	2814	2988	2118	2253
1990Q1	7.14	7.31	14.49	6.74	6.91	3642	3175	3748	3528
1990Q2	7.34	7.61	11.61	5.22	5.45	1032	1021	1460	1454
1990Q3	7.79	8.41	16.27	8.29	8.87	286	220	226	162
1990Q4	7.20	7.46	19.25	9.38	9.70	2829	2195	2108	1762
1991Q1	6.96	7.13	14.15	6.80	6.97	3620	3298	3717	3376
1991Q2	6.90	7.17	11.17	4.85	5.08	1030	761	1440	1179
1991Q3	7.39	7.96	16.20	8.12	8.69	282	264	225	174
1991Q4	7.09	7.32	18.54	9.45	9.72	2845	2408	2102	1919
1992Q1	6.88	7.03	13.87	6.74	6.89	3651	3479	3706	3552
1992Q2	7.36	7.61	11.79	5.11	5.33	1026	1078	1437	1588
1992Q3	8.68	9.33	19.19	9.67	10.33	280	288	223	232
1992Q4	9.35	9.39	11.71	9.95	10.01	2605	2682	2086	2189
1993Q1	6.86	6.86	6.65	6.89	6.89	3606	3711	3710	3775
1993Q2	3.74	3.76	4.36	3.74	3.76	1025	907	1434	1396
1993Q3	6.23	6.15	5.11	6.08	5.99	275	250	223	178
1993Q4	8.58	8.55	7.43	8.80	8.57	2605	2628	2093	2154
1994Q1	6.94	6.95	7.25	6.94	6.95	3606	4027	3734	4105
1994Q2	3.83	3.86	4.74	3.83	3.86	1025	956	1428	1442
1994Q3	5.78	5.73	5.13	5.74	5.70	275	265	221	185
1994Q4	6.74	6.76	7.91	6.75	6.77	2805	2237	2071	1813
1995Q1	6.57	6.57	6.64	6.59	6.59	3606	3265	3717	3348
1995Q2	3.87	3.90	4.81	3.87	3.89	1025	1052	1428	1476
1995Q3	5.51	5.49	4.95	5.32	5.30	275	280	217	175
1995Q4	8.73	8.71	7.39	8.76	8.73	2599	2813	2072	2093
1996Q1	6.74	6.75	7.17	6.74	6.75	3651	3634	3717	3741
1996Q2	3.93	3.96	4.80	3.93	3.96	1019	1037	1428	1552
1996Q3	5.02	5.02	4.96	5.02	5.01	282	198	217	140
1996Q4	8.90	8.87	7.57	8.88	8.86	2584	2553	2072	2120
1997Q1	7.05	7.05	7.32	7.05	7.06	3617	3440	3703	3418
1997Q2	4.10	4.13	5.00	4.11	4.13	1023	1166	1432	1667
1997Q3	5.79	5.78	5.62	5.78	5.77	275	214	210	165
1997Q4	8.57	8.61	10.73	8.55	8.60	2603	2556	2054	2077
1998Q1	7.36	7.40	10.12	7.36	7.40	3602	2981	3689	3115
1998Q2	5.95	6.02	8.19	5.95	6.02	1020	831	1448	1221
1998Q3	9.73	9.80	10.76	9.66	9.72	274	164	205	138
1998Q4	7.48	7.54	9.94	7.48	7.54	2603	2292	2053	1842
1999Q1	7.03	7.07	9.56	7.03	7.07	3504	3342	3617	3394
1999Q2	5.67	5.73	7.76	5.68	5.74	984	888	1429	1341
1999Q3	8.52	8.57	9.45	8.50	8.55	257	168	199	133
1999Q4	8.04	8.10	10.43	8.04	8.10	2528	2345	2033	1862
2000Q1	8.18	8.21	10.52	8.17	8.20	3495	3344	3599	3480
2000Q2	6.94	7.00	9.19	6.88	6.94	979	997	1428	1356
2000Q3	9.87	9.93	10.88	9.88	9.93	251	241	194	193
2000Q4	10.62	10.66	12.45	10.60	10.64	2529	2614	2033	2044
2001Q1	3.77	3.80	5.61	3.49	3.52	3480	3551	3588	3679
2001Q2	3.31	3.37	5.56	3.16	3.23	977	880	1422	1401
2001Q3	7.71	7.75	8.67	7.77	7.82	248	158	192	113
2001Q4	4.19	4.25	5.69	3.63	3.69	2513	2082	2018	1653
2002Q1	3.24	3.27	4.83	3.14	3.17	3481	3013	3584	3045
2002Q2	4.12	4.17	6.20	3.61	3.68	979	992	1428	1399
2002Q3	7.07	7.11	9.32	7.92	7.99	244	111	189	130
2002Q4	3.91	3.95	5.88	3.94	3.99	2485	2578	1994	2016
2003Q1	2.93	2.96	4.52	2.86	2.89	3432	3815	3533	3913
2003Q2	4.00	4.05	6.07	4.27	4.32	975	1072	1420	1540
2003Q3	7.69	7.73	8.53	7.70	7.74	236	111	183	102
2003Q4	3.75	3.80	6.26	4.12	4.17	2503	2371	2004	1852
2004Q1	3.00	3.02	4.52	2.86	2.89	3459	3718	3563	3809

Res Var Index Res Var Name	55 CHGH	56 CHGR	57 CHNN	58 CHNH	59 CHNR	60 CDDN	61 CDDA	62 BDDN	63 BDDA
Description	Company Charge to Residential Heating Customers	Company Charge to Residential Customers	Company charge (Normal)to Residential Non- Heating Customers	Company charge (Normal)to Residential Heating Customers	Company charge (Normal)to Residential Customers	Normal Calendar Degree Days	Actual Calendar Degree Days	Normal Billing Degree Days	Actual Billing Degree Days
Start Year	1984	1984	1984	1984	1984	1984	1984	1984	1984
Start Period	4	4	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4
2004Q2	4.23	4.28	6.13	4.35	4.40	977	897	1425	1331
2004Q3	7.66	7.69	7.30	6.75	6.78	231	133	180	119
2004Q4	3.93	3.98	6.46	4.26	4.32	2493	2394	1997	1868
2005Q1	3.05	3.08	4.56	2.91	2.94	3483	3581	3567	3636
2005Q2	4.14	4.18	6.27	4.38	4.43	968	977	1412	1466
2005Q3	7.85	7.87	8.42	7.84	7.87	224	75	175	80
2005Q4	3.89	3.93	6.37	4.23	4.28	2497	2362	1995	1792
2006Q1						3464			
2006Q2						969			
2006Q3						224			
2006Q4						2497			
2007Q1						3484			
2007Q2						969			
2007Q3						224			
2007Q4						2497			
2008Q1						3464			
2008Q2						969			
2008Q3						224			
2008Q4						2497			
2009Q1						3464			
2009Q2						969			
2009Q3						224			
2009Q4						2497			
2010Q1						3464			
2010Q2						969			
2010Q3						224			
2010Q4						2497			
2011Q1						3464			
2011Q2						969			
2011Q3						224			
2011Q4						2497			
2012Q1						3484			
2012Q2						969			
2012Q3						224			
2012Q4						2497			
2013Q1						3464			
2013Q2						969			
2013Q3						224			
2013Q4						2497			
2014Q1						3464			
2014Q2						969			
2014Q3						224			
2014Q4						2497			
2015Q1						3484			
2015Q2						969			
2015Q3						224			
2015Q4						2497			
2016Q1						3464			
2016Q2						969			
2016Q3						224			
2016Q4						2497			
2017Q1						3464			
2017Q2						969			
2017Q3						224			
2017Q4						2497			
2018Q1						3464			
2018Q2						969			
2018Q3						224			
2018Q4						2497			
2019Q1						3464			
2019Q2						969			
2019Q3						224			
2019Q4						2497			
2020Q1						3464			
2020Q2						969			
2020Q3						224			
2020Q4						2497			



C&I Var Index C&I Var Name	1 CUSI	2 CUJC	3 CUSCI	4 USEC	5 USEI	6 USECI	7 USNC	8 USNI	9 USNCI
Description	ENGI: Number of Industrial Customers	ENGI: Number of Commercial Customers	ENGI: Number of C & I Customers	ENGI: Natural Gas Consumption per Commercial Customers	ENGI: Natural Gas Consumption per Industrial Customers	ENGI: Natural Gas Consumption per C & I Customers	ENGI: Natural Gas Consumption per Commercial Customers	ENGI: Natural Gas Consumption per Industrial Customers	ENGI: Natural Gas Consumption per C & I Customers
Start Year	1984	1984	1984	1984	1984	1984	1984	1984	1984
Start Period	4	4	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4
2004Q2	8231	1675	9922	51.45	593.24	164.43	48.57	572.60	158.55
2004Q3	8296	1722	10031	17.94	287.83	88.84	17.92	286.97	88.67
2004Q4	7880	1638	9530	57.32	630.03	178.58	49.41	556.39	159.21
2005Q1	8611	1736	10361	142.86	1260.74	347.40	159.10	1394.69	383.16
2005Q2	8466	1744	10220	53.67	626.24	171.87	49.27	584.41	161.01
2005Q3	8602	1803	10418	16.95	276.12	68.38	16.96	273.68	67.97
2005Q4	8190	1738	9939	58.42	640.60	160.16	50.23	574.98	141.94
2006Q1									
2006Q2									
2006Q3									
2006Q4									
2007Q1									
2007Q2									
2007Q3									
2007Q4									
2008Q1									
2008Q2									
2008Q3									
2008Q4									
2009Q1									
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2011Q2									
2011Q3									
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2020Q2									
2020Q3									
2020Q4									



C&I Var Index C&I Var Name	10 GASC	11 GASI	12 GASCI	13 GSNC	14 GSNI	15 GSNCI	16 CPI	17 GSP	18 RGSP	19 POP
Description	ENGI: Natural Gas Consumption of C & I Customers	ENGI: Natural Gas Consumption of Commercial Customers	ENGI: Natural Gas Consumption of Industrial Customers	ENGI: Normal Natural Gas Consumption of C & I Customers	ENGI: Normal Natural Gas Consumption of Commercial Customers	ENGI: Normal Natural Gas Consumption of Industrial Customers	Consumer Price Index	Gross State Product- Aggregate	Real Gross State Product- Aggregate	Total Population
Start Year	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984
Start Period	4	4	4	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4	4
2004Q2	423536	993500	1631400	399819	858929	1573135	225.8373	51525.29	48053.73	1299.1690
2004Q3	148840	495655	891172	148664	494174	889515	225.0902	52286.95	48660.33	1301.8534
2004Q4	451682	1031963	1701929	389334	911340	1517194	227.8728	53153.00	49190.69	1304.5434
2005Q1	1230242	2188883	3599249	1370077	2421452	3969780	229.1702	54039.51	49651.03	1307.2389
2005Q2	454406	1092152	1756465	417098	1019195	1645482	233.4505	54774.72	50023.85	1309.9400
2005Q3	145812	497814	712283	145910	493423	708090	236.8829	55720.46	50494.77	1312.7878
2005Q4	478401	1113493	1591394	411375	999434	1410809	237.9245	56310.66	50616.27	1315.7833
2006Q1							239.3080	57628.09	51387.60	1318.9273
2006Q2							240.4924	58498.71	51893.18	1322.2208
2006Q3							240.9599	59177.66	52269.32	1325.6648
2006Q4							241.8080	59832.92	52592.77	1329.1158
2007Q1							242.9320	60473.02	52888.57	1332.5735
2007Q2							243.8489	61103.39	53245.86	1336.0384
2007Q3							244.9061	61789.96	53646.33	1339.5648
2007Q4							246.1188	62563.78	54094.72	1343.0988
2008Q1							247.4104	63411.33	54540.22	1346.6398
2008Q2							248.4899	64281.08	55051.28	1350.1888
2008Q3							249.6398	65124.93	55534.69	1353.7831
2008Q4							250.7177	66026.64	56073.11	1357.3854
2009Q1							251.8801	66949.77	56560.55	1360.9951
2009Q2							252.9048	67853.68	57068.00	1364.6129
2009Q3							253.9322	68880.18	57524.68	1368.2252
2009Q4							254.9778	69530.31	58005.99	1371.8453
2010Q1							256.2329	70398.21	58441.16	1375.4734
2010Q2							257.3748	71296.48	58935.54	1379.1090
2010Q3							258.5414	72102.80	59351.66	1382.5753
2010Q4							259.7872	72988.46	59805.39	1386.0482
2011Q1							261.0562	73887.63	60260.22	1389.5285
2011Q2							262.3007	74748.54	60700.16	1393.0150
2011Q3							263.6250	75561.69	61093.31	1396.3656
2011Q4							264.9472	76445.39	61539.10	1399.7216
2012Q1							268.2575	77349.48	61965.71	1403.0838
2012Q2							267.8442	78238.77	62402.78	1406.4543
2012Q3							269.0481	79067.33	62794.61	1409.8062
2012Q4							270.4785	79978.00	63246.70	1413.1684
2013Q1							271.9462	80937.50	63697.04	1416.5355
2013Q2							273.3923	81870.22	64156.56	1419.9125
2013Q3							274.8083	82777.18	64605.26	1423.1885
2013Q4							276.2041	83719.07	65082.96	1426.4717
2014Q1							277.6452	84748.46	65583.05	1429.7629
2014Q2							279.1098	85740.10	66077.86	1433.0812
2014Q3							280.5180	86878.81	66537.63	1436.1951
2014Q4							281.9092	87677.07	67045.74	1439.3351
2015Q1							283.3054	88759.57	67573.20	1442.4819
2015Q2							284.7407	89820.44	68109.96	1445.6344
2015Q3							286.1709	90840.91	68613.88	1448.7855
2015Q4							287.5193	91925.28	69167.66	1451.9425
2016Q1							288.9131	93094.04	69741.90	1455.1059
2016Q2							290.3538	94183.99	70279.08	1458.2748
2016Q3							291.7824	95209.67	70765.67	1461.4132
2016Q4							293.2204	96347.15	71328.18	1464.5570
2017Q1							294.7927	97577.23	71883.85	1467.7070
2017Q2							296.3936	98771.34	72431.16	1470.8620
2017Q3							298.0099	99952.90	72962.00	1474.0546
2017Q4							299.6334	101228.97	73553.67	1477.2527
2018Q1							301.2300	102544.75	74137.85	1480.4568
2018Q2							302.8437	103812.71	74710.92	1483.6662
2018Q3							304.5028	105011.95	75226.78	1486.8267
2018Q4							306.1980	106337.05	75619.98	1489.9923
2019Q1							307.9166	107701.61	76011.10	1493.1636
2019Q2							309.6486	109026.16	76499.91	1496.3399
2019Q3							311.3747	110320.35	77035.48	1499.5167
2019Q4							313.1011	111705.45	77514.19	1502.6977
2020Q1							314.7843	113128.86	78051.32	1505.8735
2020Q2							316.4997	114484.48	78532.55	1508.9934
2020Q3							318.2606	115799.04	79077.87	1511.1360
2020Q4							320.0713	117225.16	80484.06	1513.8815













C&I Var Index C&I Var Name	38 PITP	39 TPTR	40 PINF	41 INDX	42 PRCO	43 PRCG	44 PRCR	45 PRCC	46 PRCI
Description	Personal Income, Total Proprietors Income, 1984	Real Total Proprietors Income 1984	Personal Income, Nonfarm Proprietors Income 1984	Industrial Production Index, Total 1984	New Hampshire #2 Heating Oil Production Price 1984	New Hampshire Natural Gas City Gata Price 1984	New Hampshire Residential Natural Gas Price 1984	New Hampshire Commercial Natural Gas Price 1984	New Hampshire Industrial Natural Gas Price 1984
Start Year	1984	1984	1984	1984	1984	1984	1984	1984	1984
Start Period	4	4	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4
2004Q2	4258.00	3939.35	4255.00	105.50	10.3661	5.99	18.3500	14.3900	11.9800
2004Q3	4333.00	3994.14	4332.00	107.73	12.9225	7.63	18.3800	13.4100	11.3400
2004Q4	4364.00	3991.73	4364.00	108.05	12.8264	9.07	13.2700	12.4600	10.3600
2005Q1	4455.00	4052.36	4456.00	109.52	13.7869	8.21	14.6600	13.3800	12.7900
2005Q2	4566.00	4119.75	4570.00	110.23	14.7918	9.65	17.3000	13.1500	9.7300
2005Q3	4647.00	4154.82	4652.00	109.68	17.1782	12.75	18.5300	15.0300	11.9200
2005Q4	4703.00	4175.36	4707.00	111.33	16.2916	12.29	17.0100	16.3900	15.9200
2006Q1	4663.62	4121.45	4665.08	111.77		12.35			
2006Q2	4702.71	4138.13	4704.40	112.82		12.99			
2006Q3	4765.65	4180.99	4767.78	113.39		12.99			
2006Q4	4815.31	4207.65	4817.44	112.98		13.09			
2007Q1	4863.33	4231.71	4865.30	113.27		13.29			
2007Q2	4917.56	4261.43	4919.19	113.64		13.37			
2007Q3	4975.65	4293.18	4976.92	114.11		13.46			
2007Q4	5042.68	4330.57	5043.89	114.74		13.60			
2008Q1	5117.50	4373.14	5118.59	115.37		13.70			
2008Q2	5198.30	4422.85	5199.32	115.93		13.81			
2008Q3	5273.22	4466.69	5274.14	116.57		13.91			
2008Q4	5351.96	4514.42	5352.78	117.32		14.02			
2009Q1	5439.53	4568.05	5440.24	118.22		14.12			
2009Q2	5530.21	4625.43	5530.88	119.11		14.23			
2009Q3	5608.27	4671.88	5608.91	119.99		14.33			
2009Q4	5687.34	4719.03	5687.93	120.99		14.44			
2010Q1	5768.14	4764.74	5769.66	121.97		14.54			
2010Q2	5857.27	4817.95	5857.74	122.89		14.65			
2010Q3	5937.00	4862.41	5937.43	123.80		14.75			
2010Q4	6019.33	4907.41	6019.73	124.84		14.88			
2011Q1	6106.72	4955.44	6107.07	125.89		14.96			
2011Q2	6192.71	5002.16	6193.03	126.96		15.07			
2011Q3	6272.78	5042.72	6273.07	128.06		15.17			
2011Q4	6356.79	5085.93	6357.05	129.14		15.27			
2012Q1	6443.32	5130.81	6443.57	130.27		15.38			
2012Q2	6531.97	5176.09	6532.20	131.45		15.48			
2012Q3	6615.40	5216.64	6615.61	132.64		15.59			
2012Q4	6702.13	5259.00	6702.32	133.84		15.69			
2013Q1	6791.81	5303.00	6791.98	135.04		15.60			
2013Q2	6882.61	5347.69	6882.76	136.25		15.60			
2013Q3	6969.21	5389.21	6969.34	137.47		16.01			
2013Q4	7055.74	5430.55	7055.87	138.82		16.11			
2014Q1	7150.67	5477.24	7150.78	140.31		16.22			
2014Q2	7248.76	5525.74	7248.86	141.82		16.32			
2014Q3	7339.05	5568.48	7339.14	143.36		16.43			
2014Q4	7432.07	5613.15	7432.16	144.94		16.53			
2015Q1	7534.14	5663.88	7534.22	146.46		16.64			
2015Q2	7636.87	5714.21	7636.94	148.08		16.74			
2015Q3	7735.26	5760.91	7735.32	149.72		16.85			
2015Q4	7836.96	5810.46	7837.02	151.42		16.95			
2016Q1	7947.98	5865.76	7948.03	153.21		17.06			
2016Q2	8059.41	5920.37	8059.46	155.03		17.16			
2016Q3	8164.88	5969.97	8164.91	156.90		17.27			
2016Q4	8275.88	6022.97	8275.92	158.79		17.37			
2017Q1	8401.64	6082.48	8401.67	160.34		17.47			
2017Q2	8529.96	6142.61	8529.99	161.88		17.58			
2017Q3	8661.46	6204.03	8661.49	163.39		17.68			
2017Q4	8797.29	6267.67	8797.31	164.99		17.79			
2018Q1	8935.78	6332.55	8935.81	166.77		17.89			
2018Q2	9071.34	6394.43	9071.36	168.58		18.00			
2018Q3	9205.55	6454.14	9205.57	170.31		18.10			
2018Q4	9348.11	6518.43	9348.12	172.06		18.21			
2019Q1	9492.85	6583.22	9492.87	173.85		18.31			
2019Q2	9633.90	6644.53	9633.92	175.67		18.42			
2019Q3	9776.14	6705.97	9776.16	177.44		18.52			
2019Q4	9922.71	6769.54	9922.72	179.23		18.63			
2020Q1	10075.48	6837.05	10075.49	181.10		18.73			
2020Q2	10225.19	6901.27	10225.20	182.99		18.64			
2020Q3	10373.41	6963.08	10373.42	184.96		18.94			
2020Q4	10525.18	7025.68	10525.19	186.91		19.05			



C&I Var Index	47	48	49	50	51	52	53	54	55	
C&I Var Name	PRCCI	EGYO	EGYG	EGYC	EGYI	RPRC	RPRI	REGC	REGI	
	New Hampshire		New Hampshire		New Hampshire		Price Ratio:	Price Ratio:	Energy	Energy
	Commercial &	New Hampshire	Natural Gas	Commercial	New Hampshire	Commercial Ntural	Industrial Ntural	Consumption	Consumption	
Description	Industrial Natural	#2 Heating Oil	Consumption by	Natural Gas	Industrial Natural	Gas Price : #2	Gas Price : #2	Ratio: Commercial	Ratio: Industrial	
Start Year	Gas Price	Consumption	All	Consumption	Gas Consumption	Heating Oil Price	Heating Oil Price	Natural Gas : #2	Natural Gas : #2	
Start Period	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984
Period / Year	4	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4	4
2004Q2	12.8427	891.17	4222.00	297.19	533.06	1.39	1.16	10.34	18.54	
2004Q3	12.1901	2353.38	3269.00	416.32	597.45	1.04	0.88	5.48	7.87	
2004Q4	11.8037	5787.99	6974.00	1596.99	725.91	0.97	0.81	8.55	3.89	
2005Q1	13.1597	2004.20	5693.00	910.54	542.47	0.97	0.93	13.63	8.12	
2005Q2	11.1381	956.62	6050.00	319.41	456.36	0.89	0.66	10.35	14.79	
2005Q3	13.3308	1764.72	6050.00	428.82	516.47	0.87	0.69	7.53	9.07	
2005Q4	16.2564	3942.71	6050.00	1393.65	553.24	1.01	0.98	10.96	4.35	
2006Q1										
2006Q2										
2006Q3										
2006Q4										
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2019Q4										
2020Q1										
2020Q2										
2020Q3										
2020Q4										





C&I Var Index	56	57	58	59	60	61	62	63	64
C&I Var Name	REVC	REVI	REVC1	RVNC	RVNI	RVNC1	CHGC	CHGI	CHGCI
Description	Revenue to Commercial Customers	Revenue to Industrial Customers	Revenue to C & I Customers	Revenue (Normal)to Commercial Customers	Revenue (Normal)to Industrial Customers	Revenue (Normal)to C & I Customers	Company Charge to Commercial Customers	Company Charge to Industrial Customers	Company Charge to C & I Customers
	1984	1984	1984	1984	1984	1984	1984	1984	1984
Start Year	4	4	4	4	4	4	4	4	4
Start Period	4	4	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4
2004Q2	1594858.00	2135568.00	3805728.00	1544001.00	2072689.00	3691957.00	3.77	2.15	2.33
2004Q3	934991.00	1062865.00	2056203.00	823815.00	838191.00	1706080.00	6.28	2.14	2.31
2004Q4	1621664.00	2136591.00	3821510.00	1488701.00	1936810.00	3488312.00	3.59	2.07	2.25
2005Q1	3433320.00	4433432.00	7940614.00	3726534.00	4830335.00	8630083.00	2.79	2.03	2.21
2005Q2	1681238.00	2348065.00	4098684.00	1602593.00	2228282.00	3900113.00	3.70	2.15	2.33
2005Q3	952981.00	1052742.00	2064236.00	953248.00	1047799.00	2059563.00	6.54	2.11	2.90
2005Q4	1707728.00	2274194.00	4027184.00	1565897.00	2080850.00	3591494.00	3.57	2.04	2.53
2006Q1									
2006Q2									
2006Q3									
2006Q4									
2007Q1									
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2019Q4									
2020Q1									
2020Q2									
2020Q3									
2020Q4									

C&I Var Index C&I Var Name	65 CHNC	66 CHNI	67 CHNCI	68 CDDN	69 CDDA	70 BDDN	71 BDDA			
	Company charge (Normal)to Commercial Customers		Company charge (Normal)to Industrial Customers		Company charge (Normal)to C & I Customers		Normal Calendar Degree Days	Actual Calendar Degree Days	Normal Billing Degree Days	Actual Billing Degree Days
Description	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984
Start Year	4	4	4	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4	4	4	4
1984Q1	7.40	19.19	7.66	3652	3644	3828	3718			
1984Q2	6.68	14.31	6.89	1032	1074	1494	1589			
1984Q3	6.67	9.07	6.78	286	284	227	208			
1984Q4	10.76	18.36	11.00	2611	2310	2106	1893			
1985Q1	8.01	21.59	8.27	3652	3507	3813	3593			
1985Q2	6.47	9.22	6.54	1032	980	1488	1378			
1985Q3	8.41	22.28	8.99	286	213	225	183			
1985Q4	10.67	18.08	10.85	2611	2596	2101	2016			
1986Q1	7.53	16.47	7.73	3652	3418	3803	3628			
1986Q2	6.12	14.06	6.35	1032	908	1477	1290			
1986Q3	9.48	11.27	9.58	286	359	229	304			
1986Q4	9.38	8.07	9.31	2611	2566	2103	2137			
1987Q1	6.14	5.29	6.10	3652	3528	3793	3813			
1987Q2	5.08	4.54	5.05	1032	915	1471	1346			
1987Q3	5.24	12.09	5.50	286	308	230	246			
1987Q4	7.47	6.16	7.32	2611	2564	2103	2086			
1988Q1	5.78	5.62	5.76	3652	3601	3781	3685			
1988Q2	4.17	4.11	4.17	1032	1017	1465	1434			
1988Q3	5.95	5.33	5.87	286	298	231	257			
1988Q4	8.28	7.20	8.17	2611	2680	2108	2145			
1989Q1	6.50	6.19	6.47	3652	3415	3773	3549			
1989Q2	4.66	5.38	4.73	1032	1002	1458	1473			
1989Q3	6.56	5.97	6.43	286	228	227	184			
1989Q4	8.86	8.23	8.74	2614	2988	2118	2253			
1990Q1	7.54	6.22	7.27	3642	3175	3748	3528			
1990Q2	5.91	4.96	5.71	1032	1021	1480	1454			
1990Q3	8.12	6.42	7.74	285	220	226	162			
1990Q4	10.26	8.07	9.80	2629	2195	2108	1762			
1991Q1	7.55	6.28	7.30	3620	3298	3717	3376			
1991Q2	5.52	4.36	5.28	1030	761	1440	1179			
1991Q3	7.73	5.82	7.23	282	264	225	174			
1991Q4	10.34	8.08	9.86	2645	2408	2102	1919			
1992Q1	7.63	6.31	7.36	3651	3479	3708	3552			
1992Q2	5.89	5.03	5.69	1026	1078	1437	1588			
1992Q3	9.65	7.40	9.05	280	288	223	232			
1992Q4	10.21	8.63	9.86	2605	2682	2088	2189			
1993Q1	6.89	6.57	6.82	3606	3711	3710	3775			
1993Q2	3.93	3.92	3.93	1025	907	1434	1396			
1993Q3	5.79	4.99	5.55	275	250	223	178			
1993Q4	8.87	7.43	8.52	2605	2628	2093	2154			
1994Q1	7.00	6.75	6.95	3606	4027	3734	4105			
1994Q2	4.08	4.10	4.08	1025	956	1428	1442			
1994Q3	5.86	5.08	5.51	275	265	221	165			
1994Q4	9.32	8.16	8.46	2605	2237	2071	1813			
1995Q1	6.69	6.22	6.23	3606	3265	3717	3348			
1995Q2	3.94	4.70	3.81	1025	1052	1428	1476			
1995Q3	6.01	5.78	5.21	275	280	217	175			
1995Q4	8.84	8.19	8.06	2599	2613	2072	2093			
1996Q1	6.90	6.69	6.57	3651	3634	3717	3741			
1996Q2	3.90	4.13	3.62	1019	1037	1428	1552			
1996Q3	5.54	4.24	4.38	282	198	217	140			
1996Q4	8.97	7.90	8.10	2594	2553	2072	2120			
1997Q1	7.10	6.99	6.72	3617	3440	3703	3418			
1997Q2	4.26	4.18	3.79	1023	1166	1432	1667			
1997Q3	5.91	4.77	4.22	275	214	210	165			
1997Q4	8.04	7.38	6.79	2603	2556	2054	2077			
1998Q1	7.20	6.94	6.45	3602	2981	3689	3115			
1998Q2	5.51	5.55	4.38	1020	831	1448	1221			
1998Q3	7.36	5.72	4.34	274	164	205	138			
1998Q4	6.86	6.38	5.45	2603	2292	2053	1842			
1999Q1	6.87	6.59	6.01	3504	3342	3617	3394			
1999Q2	5.16	4.90	3.86	984	896	1429	1341			
1999Q3	6.34	5.74	3.66	257	168	199	133			
1999Q4	7.49	7.13	5.72	2528	2345	2033	1862			
2000Q1	8.02	7.64	6.93	3495	3344	3599	3480			
2000Q2	6.34	5.94	4.80	979	997	1428	1356			
2000Q3	8.00	6.68	4.78	251	241	194	193			
2000Q4	10.09	9.51	7.40	2529	2614	2033	2044			
2001Q1	3.33	2.88	3.21	3480	3551	3566	3679			
2001Q2	2.65	1.64	2.22	977	880	1422	1401			
2001Q3	6.85	1.93	2.62	248	158	192	113			
2001Q4	3.34	1.58	1.86	2513	2082	2018	1653			
2002Q1	2.87	2.01	2.19	3481	3013	3584	3045			
2002Q2	3.69	1.89	2.03	979	992	1428	1399			
2002Q3	6.60	1.58	1.76	244	111	189	130			
2002Q4	3.58	2.19	2.29	2485	2578	1994	2016			
2003Q1	2.69	1.95	2.14	3432	3815	3533	3913			
2003Q2	3.79	2.12	2.03	975	1072	1420	1540			
2003Q3	6.34	2.14	2.32	236	111	183	102			
2003Q4	3.79	2.07	2.22	2503	2371	2004	1852			
2004Q1	2.68	1.96	2.15	3459	3718	3563	3809			

C&I Var Index C&I Var Name	65 CHNC	66 CHNI	67 CHNCI	68 CDDN	69 CDDA	70 BDDN	71 BDDA
	Company charge (Normal)to Commercial Customers	Company charge (Normal)to Industrial Customers	Company charge (Normal)to C & I Customers	Normal Calendar Degree Days	Actual Calendar Degree Days	Normal Billing Degree Days	Actual Billing Degree Days
Description	1984	1984	1984	1984	1984	1984	1984
Start Year	4	4	4	4	4	4	4
Start Period	4	4	4	4	4	4	4
Period / Year	4	4	4	4	4	4	4
Period / Cycle	4	4	4	4	4	4	4
2004Q2	3.86	2.16	2.35	977	897	1425	1331
2004Q3	5.54	1.70	1.92	231	133	180	119
2004Q4	3.82	2.13	2.30	2493	2394	1897	1868
2005Q1	2.72	1.99	2.17	3463	3581	3567	3636
2005Q2	3.84	2.19	2.37	968	977	1412	1466
2005Q3	6.53	2.12	2.91	224	75	175	80
2005Q4	3.81	2.08	2.62	2497	2362	1995	1792
2006Q1				3464			
2006Q2				969			
2006Q3				224			
2006Q4				2497			
2007Q1				3464			
2007Q2				969			
2007Q3				224			
2007Q4				2497			
2008Q1				3464			
2008Q2				969			
2008Q3				224			
2008Q4				2497			
2009Q1				3464			
2009Q2				969			
2009Q3				224			
2009Q4				2497			
2010Q1				3464			
2010Q2				969			
2010Q3				224			
2010Q4				2497			
2011Q1				3464			
2011Q2				969			
2011Q3				224			
2011Q4				2497			
2012Q1				3464			
2012Q2				969			
2012Q3				224			
2012Q4				2497			
2013Q1				3464			
2013Q2				969			
2013Q3				224			
2013Q4				2497			
2014Q1				3464			
2014Q2				969			
2014Q3				224			
2014Q4				2497			
2015Q1				3464			
2015Q2				969			
2015Q3				224			
2015Q4				2497			
2016Q1				3464			
2016Q2				969			
2016Q3				224			
2016Q4				2497			
2017Q1				3464			
2017Q2				969			
2017Q3				224			
2017Q4				2497			
2018Q1				3464			
2018Q2				969			
2018Q3				224			
2018Q4				2497			
2019Q1				3464			
2019Q2				969			
2019Q3				224			
2019Q4				2497			
2020Q1				3464			
2020Q2				969			
2020Q3				224			
2020Q4				2497			