

Daily Information		System Gas	Transport Gas		Number of Customers
		Dth	Dth		Count
DATE TIME		NNGMNEFTOT	NNGMNEFTRAN		NNGIPCMNEFCUST
06Nov2008	[Trade				10,591
07Nov2008	Secret				10,591
10Nov2008	Data				10,591
11Nov2008	Begins				10,591
12Nov2008					10,591
13Nov2008					10,591
14Nov2008					10,591
17Nov2008					10,591
18Nov2008					10,591
19Nov2008					10,591
20Nov2008					10,591
21Nov2008					10,591
24Nov2008					10,591
25Nov2008					10,591
26Nov2008					10,591
27Nov2008					10,591
28Nov2008					10,591
01Dec2008					10,628
02Dec2008					10,628
03Dec2008					10,628
04Dec2008					10,628
05Dec2008					10,628
08Dec2008					10,628
09Dec2008					10,628
10Dec2008					10,628
11Dec2008					10,628
12Dec2008					10,628
15Dec2008					10,628
16Dec2008					10,628
17Dec2008					10,628
18Dec2008					10,628
19Dec2008					10,628
22Dec2008					10,628
23Dec2008					10,628
26Dec2008					10,628
29Dec2008					10,628
30Dec2008					10,628
02Jan2009					10,635
05Jan2009					10,635
06Jan2009					10,635
07Jan2009					10,635
08Jan2009					10,635
09Jan2009					10,635

12Jan2009	10,635
13Jan2009	10,635
14Jan2009	10,635
15Jan2009	10,635
16Jan2009	10,635
19Jan2009	10,635
20Jan2009	10,635
21Jan2009	10,635
22Jan2009	10,635
23Jan2009	10,635
26Jan2009	10,635
27Jan2009	10,635
28Jan2009	10,635
29Jan2009	10,635
30Jan2009	10,635
02Feb2009	10,646
03Feb2009	10,646
04Feb2009	10,646
05Feb2009	10,646
06Feb2009	10,646
09Feb2009	10,646
10Feb2009	10,646
11Feb2009	10,646
12Feb2009	10,646
13Feb2009	10,646
16Feb2009	10,646
17Feb2009	10,646
18Feb2009	10,646
19Feb2009	10,646
20Feb2009	10,646
23Feb2009	10,646
24Feb2009	10,646
25Feb2009	10,646
26Feb2009	10,646
27Feb2009	10,646
02Mar2009	10,659
03Mar2009	10,659
04Mar2009	10,659
05Mar2009	10,659
06Mar2009	10,659
09Mar2009	10,659
10Mar2009	10,659
11Mar2009	10,659
12Mar2009	10,659
13Mar2009	10,659
17Mar2009	10,659
18Mar2009	10,659

19Mar2009	10,659
20Mar2009	10,659
23Mar2009	10,659
24Mar2009	10,659
25Mar2009	10,659
26Mar2009	10,659
27Mar2009	10,659
30Mar2009	10,659
31Mar2009	10,659
02Nov2009	10,620
03Nov2009	10,620
04Nov2009	10,620
05Nov2009	10,620
09Nov2009	10,620
10Nov2009	10,620
11Nov2009	10,620
13Nov2009	10,620
16Nov2009	10,620
17Nov2009	10,620
18Nov2009	10,620
19Nov2009	10,620
20Nov2009	10,620
23Nov2009	10,620
24Nov2009	10,620
25Nov2009	10,620
26Nov2009	10,620
27Nov2009	10,620
30Nov2009	10,620
01Dec2009	10,642
02Dec2009	10,642
03Dec2009	10,642
04Dec2009	10,642
07Dec2009	10,642
08Dec2009	10,642
09Dec2009	10,642
10Dec2009	10,642
11Dec2009	10,642
14Dec2009	10,642
15Dec2009	10,642
16Dec2009	10,642
17Dec2009	10,642
18Dec2009	10,642
21Dec2009	10,642
22Dec2009	10,642
23Dec2009	10,642
28Dec2009	10,642
29Dec2009	10,642

30Dec2009	10,642
04Jan2010	10,648
05Jan2010	10,648
06Jan2010	10,648
07Jan2010	10,648
08Jan2010	10,648
11Jan2010	10,648
12Jan2010	10,648
13Jan2010	10,648
14Jan2010	10,648
15Jan2010	10,648
18Jan2010	10,648
19Jan2010	10,648
20Jan2010	10,648
21Jan2010	10,648
22Jan2010	10,648
25Jan2010	10,648
26Jan2010	10,648
27Jan2010	10,648
28Jan2010	10,648
29Jan2010	10,648
01Feb2010	10,646
02Feb2010	10,646
03Feb2010	10,646
04Feb2010	10,646
05Feb2010	10,646
08Feb2010	10,646
09Feb2010	10,646
10Feb2010	10,646
11Feb2010	10,646
12Feb2010	10,646
15Feb2010	10,646
16Feb2010	10,646
17Feb2010	10,646
18Feb2010	10,646
19Feb2010	10,646
22Feb2010	10,646
23Feb2010	10,646
24Feb2010	10,646
25Feb2010	10,646
26Feb2010	10,646
01Mar2010	10,652
02Mar2010	10,652
03Mar2010	10,652
04Mar2010	10,652
05Mar2010	10,652
08Mar2010	10,652

09Mar2010	10,652
10Mar2010	10,652
11Mar2010	10,652
12Mar2010	10,652
15Mar2010	10,652
16Mar2010	10,652
19Mar2010	10,652
22Mar2010	10,652
23Mar2010	10,652
24Mar2010	10,652
25Mar2010	10,652
26Mar2010	10,652
29Mar2010	10,652
01Nov2010	10,644
02Nov2010	10,644
03Nov2010	10,644
04Nov2010	10,644
05Nov2010	10,644
10Nov2010	10,644
11Nov2010	10,644
12Nov2010	10,644
15Nov2010	10,644
16Nov2010	10,644
17Nov2010	10,644
18Nov2010	10,644
19Nov2010	10,644
22Nov2010	10,644
23Nov2010	10,644
24Nov2010	10,644
25Nov2010	10,644
26Nov2010	10,644
29Nov2010	10,644
30Nov2010	10,644
01Dec2010	10,667
02Dec2010	10,667
03Dec2010	10,667
06Dec2010	10,667
07Dec2010	10,667
08Dec2010	10,667
09Dec2010	10,667
10Dec2010	10,667
13Dec2010	10,667
14Dec2010	10,667
15Dec2010	10,667
16Dec2010	10,667
17Dec2010	10,667
20Dec2010	10,667

21Dec2010	10,667
22Dec2010	10,667
23Dec2010	10,667
27Dec2010	10,667
28Dec2010	10,667
29Dec2010	10,667
30Dec2010	10,667
03Jan2011	10,683
04Jan2011	10,683
05Jan2011	10,683
06Jan2011	10,683
07Jan2011	10,683
10Jan2011	10,683
11Jan2011	10,683
12Jan2011	10,683
13Jan2011	10,683
14Jan2011	10,683
17Jan2011	10,683
18Jan2011	10,683
19Jan2011	10,683
20Jan2011	10,683
21Jan2011	10,683
24Jan2011	10,683
25Jan2011	10,683
26Jan2011	10,683
27Jan2011	10,683
28Jan2011	10,683
31Jan2011	10,683
01Feb2011	10,683
02Feb2011	10,683
03Feb2011	10,683
04Feb2011	10,683
07Feb2011	10,683
08Feb2011	10,683
09Feb2011	10,683
10Feb2011	10,683
11Feb2011	10,683
14Feb2011	10,683
15Feb2011	10,683
16Feb2011	10,683
17Feb2011	10,683
18Feb2011	10,683
21Feb2011	10,683
22Feb2011	10,683
23Feb2011	10,683
24Feb2011	10,683
25Feb2011	10,683

28Feb2011	10,683
01Mar2011	10,680
02Mar2011	10,680
03Mar2011	10,680
04Mar2011	10,680
07Mar2011	10,680
08Mar2011	10,680
09Mar2011	10,680
10Mar2011	10,680
11Mar2011	10,680
14Mar2011	10,680
15Mar2011	10,680
16Mar2011	10,680
17Mar2011	10,680
18Mar2011	10,680
21Mar2011	10,680
22Mar2011	10,680
23Mar2011	10,680
24Mar2011	10,680
25Mar2011	10,680
28Mar2011	10,680
29Mar2011	10,680
30Mar2011	10,680
31Mar2011	10,680
01Nov2011	10,641
02Nov2011	10,641
03Nov2011	10,641
04Nov2011	10,641
07Nov2011	10,641
08Nov2011	10,641
09Nov2011	10,641
10Nov2011	10,641
11Nov2011	10,641
14Nov2011	10,641
15Nov2011	10,641
16Nov2011	10,641
17Nov2011	10,641
18Nov2011	10,641
21Nov2011	10,641
22Nov2011	10,641
23Nov2011	10,641
25Nov2011	10,641
28Nov2011	10,641
29Nov2011	10,641
30Nov2011	10,641
01Dec2011	10,660
02Dec2011	10,660

05Dec2011	10,660
06Dec2011	10,660
07Dec2011	10,660
08Dec2011	10,660
09Dec2011	10,660
12Dec2011	10,660
13Dec2011	10,660
14Dec2011	10,660
15Dec2011	10,660
16Dec2011	10,660
19Dec2011	10,660
20Dec2011	10,660
21Dec2011	10,660
22Dec2011	10,660
23Dec2011	10,660
26Dec2011	10,660
27Dec2011	10,660
28Dec2011	10,660
29Dec2011	10,660
30Dec2011	10,660
02Jan2012	10,663
03Jan2012	10,663
04Jan2012	10,663
05Jan2012	10,663
06Jan2012	10,663
09Jan2012	10,663
10Jan2012	10,663
11Jan2012	10,663
12Jan2012	10,663
13Jan2012	10,663
16Jan2012	10,663
17Jan2012	10,663
18Jan2012	10,663
19Jan2012	10,663
20Jan2012	10,663
23Jan2012	10,663
24Jan2012	10,663
25Jan2012	10,663
26Jan2012	10,663
27Jan2012	10,663
30Jan2012	10,663
31Jan2012	10,663
01Feb2012	10,674
02Feb2012	10,674
03Feb2012	10,674
06Feb2012	10,674
07Feb2012	10,674



08Feb2012	10,674
09Feb2012	10,674
10Feb2012	10,674
13Feb2012	10,674
14Feb2012	10,674
15Feb2012	10,674
16Feb2012	10,674
17Feb2012	10,674
20Feb2012	10,674
21Feb2012	10,674
22Feb2012	10,674
23Feb2012	10,674
24Feb2012	10,674
27Feb2012	10,674
28Feb2012	10,674
29Feb2012	10,674
01Mar2012	10,672
02Mar2012	10,672
05Mar2012	10,672
06Mar2012	10,672
07Mar2012	10,672
08Mar2012	10,672
09Mar2012	10,672
12Mar2012	10,672
26Mar2012	10,672
28Mar2012	10,672
30Mar2012	10,672
01Nov2012	10,679
02Nov2012	10,679
05Nov2012	10,679
06Nov2012	10,679
07Nov2012	10,679
08Nov2012	10,679
09Nov2012	10,679
12Nov2012	10,679
13Nov2012	10,679
14Nov2012	10,679
15Nov2012	10,679
16Nov2012	10,679
19Nov2012	10,679
20Nov2012	10,679
22Nov2012	10,679
23Nov2012	10,679
26Nov2012	10,679
27Nov2012	10,679
28Nov2012	10,679
29Nov2012	10,679

30Nov2012	10,679
03Dec2012	10,689
04Dec2012	10,689
05Dec2012	10,689
06Dec2012	10,689
07Dec2012	10,689
10Dec2012	10,689
11Dec2012	10,689
12Dec2012	10,689
13Dec2012	10,689
14Dec2012	10,689
17Dec2012	10,689
18Dec2012	10,689
19Dec2012	10,689
20Dec2012	10,689
21Dec2012	10,689
26Dec2012	10,689
27Dec2012	10,689
28Dec2012	10,689
02Jan2013	10,704
03Jan2013	10,704
04Jan2013	10,704
07Jan2013	10,704
08Jan2013	10,704
09Jan2013	10,704
10Jan2013	10,704
11Jan2013	10,704
14Jan2013	10,704
15Jan2013	10,704
16Jan2013	10,704
17Jan2013	10,704
18Jan2013	10,704
21Jan2013	10,704
22Jan2013	10,704
23Jan2013	10,704
24Jan2013	10,704
25Jan2013	10,704
28Jan2013	10,704
29Jan2013	10,704
30Jan2013	10,704
31Jan2013	10,704
01Feb2013	10,702
04Feb2013	10,702
05Feb2013	10,702
06Feb2013	10,702
07Feb2013	10,702
08Feb2013	10,702

11Feb2013		10,702
12Feb2013		10,702
13Feb2013		10,702
14Feb2013		10,702
15Feb2013		10,702
18Feb2013		10,702
19Feb2013		10,702
20Feb2013		10,702
21Feb2013		10,702
22Feb2013		10,702
25Feb2013		10,702
26Feb2013		10,702
27Feb2013		10,702
28Feb2013		10,702
01Mar2013		10,699
04Mar2013		10,699
05Mar2013		10,699
06Mar2013		10,699
07Mar2013		10,699
08Mar2013		10,699
11Mar2013		10,699
12Mar2013		10,699
13Mar2013		10,699
14Mar2013		10,699
15Mar2013		10,699
18Mar2013		10,699
19Mar2013		10,699
20Mar2013		10,699
21Mar2013		10,699
22Mar2013		10,699
25Mar2013		10,699
26Mar2013	Trade	10,699
27Mar2013	Secret	10,699
28Mar2013	Data	10,699
29Mar2013	Ends]	10,699

<b>Throughput (System Gas less Transport)</b>	<b>Throughput per Customer</b>	<b>Temperature</b>	<b>HDD (Base 65)</b>	<b>Predicted value</b>	<b>Residual</b>
Dth	Dth/customer	Degrees F	HDD F	Dth/customer	Dth/customer
<b>NNGMNEFNET</b>	<b>NNGMNEFNETCUST</b>	<b>AVGTEMP</b>	<b>HDDALB</b>	<b>pred</b>	<b>resid</b>
4,557	0.430	39	26	0.526	(0.096)
5,976	0.564	32	34	0.639	(0.075)
7,487	0.707	27	38	0.711	(0.004)
6,819	0.644	32	33	0.630	0.014
5,914	0.558	36	29	0.571	(0.012)
5,321	0.502	40	25	0.516	(0.014)
6,023	0.569	34	31	0.606	(0.037)
8,836	0.834	23	43	0.773	0.061
8,642	0.816	28	37	0.693	0.123
8,283	0.782	29	36	0.681	0.101
9,663	0.912	16	49	0.877	0.035
8,878	0.838	19	46	0.821	0.018
7,726	0.729	26	39	0.722	0.007
7,538	0.712	26	39	0.725	(0.013)
6,655	0.628	27	38	0.706	(0.078)
6,047	0.571	31	34	0.646	(0.075)
5,873	0.555	29	36	0.670	(0.116)
9,381	0.883	16	49	0.870	0.013
7,702	0.725	29	36	0.678	0.047
9,451	0.889	14	51	0.895	(0.006)
10,089	0.949	11	54	0.949	0.000
8,923	0.840	22	43	0.778	0.061
9,289	0.874	21	44	0.800	0.074
10,341	0.973	7	58	1.007	(0.034)
9,716	0.914	20	45	0.808	0.106
9,886	0.930	11	54	0.951	(0.021)
9,678	0.911	19	46	0.824	0.086
13,700	1.289	(8)	73	1.222	0.067
12,298	1.157	2	63	1.073	0.084
11,372	1.070	4	61	1.051	0.019
9,874	0.929	15	50	0.891	0.038
8,964	0.843	17	48	0.851	(0.007)
12,389	1.166	1	64	1.101	0.064
9,795	0.922	15	50	0.885	0.036
6,745	0.635	34	31	0.600	0.035
8,575	0.807	20	45	0.813	(0.006)
10,820	1.018	8	57	0.995	0.023
9,840	0.925	12	53	0.934	(0.009)
9,471	0.891	19	46	0.831	0.059
9,360	0.880	16	49	0.867	0.013
11,577	1.089	3	62	1.064	0.024
10,245	0.963	10	55	0.957	0.006
9,710	0.913	14	51	0.898	0.015

11,593	1.090	3	62	1.066	0.024
13,146	1.236	(8)	73	1.222	0.014
14,403	1.354	(16)	81	1.350	0.005
14,964	1.407	(19)	84	1.398	0.009
12,606	1.185	4	61	1.055	0.130
9,816	0.923	14	51	0.897	0.026
9,504	0.894	13	52	0.910	(0.017)
9,022	0.848	16	49	0.871	(0.022)
8,593	0.808	20	45	0.806	0.002
12,321	1.159	(2)	67	1.146	0.012
11,702	1.100	2	63	1.085	0.016
11,744	1.104	1	64	1.098	0.006
10,400	0.978	15	50	0.883	0.095
11,015	1.036	7	58	1.012	0.024
9,511	0.894	18	47	0.840	0.054
11,995	1.127	1	64	1.098	0.028
12,440	1.169	(2)	67	1.134	0.035
11,343	1.065	9	56	0.973	0.093
8,701	0.817	21	44	0.789	0.028
6,998	0.657	35	30	0.593	0.064
6,683	0.628	41	24	0.503	0.125
6,173	0.580	38	27	0.548	0.032
7,642	0.718	32	33	0.638	0.080
7,717	0.725	26	39	0.721	0.004
8,989	0.844	18	47	0.838	0.007
8,063	0.757	28	37	0.688	0.069
6,959	0.654	34	31	0.607	0.047
10,137	0.952	12	53	0.925	0.028
10,114	0.950	9	56	0.977	(0.027)
8,597	0.808	21	44	0.800	0.007
9,433	0.886	19	46	0.825	0.061
6,675	0.627	37	28	0.561	0.066
6,891	0.647	30	35	0.660	(0.013)
8,888	0.835	20	45	0.808	0.027
9,919	0.932	9	56	0.977	(0.045)
9,167	0.860	19	46	0.833	0.027
9,302	0.873	24	41	0.751	0.122
6,529	0.613	36	29	0.569	0.044
5,710	0.536	38	27	0.546	(0.010)
5,354	0.502	35	30	0.591	(0.089)
6,996	0.656	33	32	0.612	0.045
10,474	0.983	11	54	0.946	0.036
11,942	1.120	2	63	1.085	0.035
9,110	0.855	17	48	0.850	0.005
6,593	0.619	31	34	0.648	(0.029)
4,105	0.385	43	22	0.467	(0.082)
5,144	0.483	37	28	0.564	(0.081)

5,659	0.531	33	32	0.622	(0.091)
5,365	0.503	40	25	0.512	(0.009)
4,470	0.419	49	16	0.381	0.038
5,175	0.486	39	26	0.527	(0.042)
7,051	0.662	30	35	0.660	0.001
7,491	0.703	25	40	0.741	(0.038)
7,365	0.691	24	41	0.755	(0.064)
5,690	0.534	41	24	0.495	0.039
6,220	0.584	35	30	0.591	(0.008)
7,305	0.688	40	25	0.516	0.172
7,439	0.700	40	25	0.519	0.182
8,196	0.772	37	28	0.564	0.208
6,388	0.602	50	15	0.367	0.234
6,485	0.611	47	19	0.415	0.196
6,764	0.637	49	16	0.371	0.266
7,546	0.711	48	17	0.396	0.315
6,725	0.633	49	16	0.374	0.259
9,122	0.859	39	26	0.530	0.329
9,191	0.865	38	27	0.539	0.326
7,672	0.722	45	20	0.435	0.287
7,482	0.705	45	20	0.439	0.266
7,912	0.745	41	24	0.503	0.242
6,361	0.599	48	17	0.389	0.210
6,387	0.601	45	20	0.441	0.161
7,043	0.663	35	30	0.580	0.083
6,794	0.640	29	36	0.682	(0.042)
7,223	0.680	36	29	0.567	0.113
7,099	0.668	39	26	0.523	0.145
6,851	0.644	39	26	0.523	0.121
8,084	0.760	31	34	0.647	0.113
9,650	0.907	20	45	0.809	0.098
10,037	0.943	18	47	0.843	0.101
9,679	0.910	21	44	0.794	0.116
10,140	0.953	20	45	0.805	0.148
11,782	1.107	3	63	1.072	0.035
11,714	1.101	5	60	1.033	0.068
10,490	0.986	11	54	0.939	0.047
11,847	1.113	4	61	1.051	0.062
12,460	1.171	1	64	1.099	0.072
10,971	1.031	11	54	0.946	0.084
9,443	0.887	18	47	0.836	0.051
8,943	0.840	21	44	0.795	0.046
8,899	0.836	23	42	0.772	0.064
8,496	0.798	28	37	0.688	0.110
7,941	0.746	31	34	0.648	0.098
10,120	0.951	11	54	0.952	(0.001)
10,410	0.978	14	51	0.903	0.075

9,618	0.904	17	48	0.861	0.043
13,938	1.309	(9)	74	1.251	0.058
13,139	1.234	(5)	70	1.190	0.044
11,120	1.044	14	51	0.904	0.140
12,496	1.174	3	62	1.068	0.106
13,027	1.223	(7)	72	1.218	0.006
10,154	0.954	16	49	0.876	0.078
10,006	0.940	18	47	0.834	0.106
8,467	0.795	28	37	0.687	0.108
8,445	0.793	29	36	0.679	0.114
8,278	0.777	24	41	0.749	0.028
8,817	0.828	15	50	0.884	(0.056)
9,470	0.889	20	45	0.816	0.074
8,604	0.808	28	37	0.689	0.119
7,740	0.727	31	35	0.654	0.073
7,595	0.713	35	30	0.592	0.122
10,870	1.021	14	51	0.904	0.117
11,823	1.110	7	58	1.009	0.102
11,768	1.105	7	58	1.001	0.105
12,243	1.150	(2)	67	1.135	0.015
11,310	1.062	6	59	1.022	0.040
9,788	0.919	20	45	0.813	0.106
10,407	0.978	9	56	0.976	0.001
9,588	0.901	20	46	0.818	0.082
8,101	0.761	30	35	0.660	0.101
7,350	0.690	32	33	0.638	0.052
9,642	0.906	16	49	0.872	0.033
9,298	0.873	17	48	0.861	0.012
10,763	1.011	1	64	1.100	(0.089)
9,530	0.895	14	51	0.907	(0.011)
8,872	0.833	17	48	0.855	(0.022)
8,778	0.825	23	42	0.772	0.052
9,466	0.889	16	49	0.877	0.012
9,399	0.883	15	50	0.887	(0.004)
9,245	0.868	14	51	0.906	(0.038)
7,982	0.750	23	42	0.768	(0.018)
9,202	0.864	16	49	0.867	(0.003)
11,110	1.044	7	58	1.003	0.040
11,236	1.055	0	65	1.104	(0.048)
9,963	0.936	8	57	0.996	(0.060)
8,978	0.843	15	50	0.885	(0.042)
8,004	0.751	22	43	0.786	(0.035)
7,561	0.710	24	41	0.756	(0.046)
7,673	0.720	19	46	0.820	(0.099)
7,125	0.669	24	41	0.748	(0.079)
6,632	0.623	33	32	0.621	0.002
6,941	0.652	39	26	0.530	0.122

6,531	0.613	42	23	0.476	0.137
6,350	0.596	43	22	0.470	0.126
5,802	0.545	46	20	0.430	0.115
5,230	0.491	46	19	0.429	0.062
5,588	0.525	46	19	0.427	0.097
5,862	0.550	46	19	0.425	0.125
6,942	0.652	32	33	0.635	0.017
5,112	0.480	44	21	0.452	0.028
4,349	0.408	45	20	0.441	(0.032)
5,131	0.482	40	25	0.514	(0.032)
6,177	0.580	30	35	0.659	(0.079)
5,218	0.490	40	25	0.510	(0.020)
3,920	0.368	49	16	0.382	(0.014)
4,869	0.457	38	27	0.548	(0.090)
4,078	0.383	46	19	0.422	(0.039)
4,172	0.392	44	21	0.450	(0.058)
5,517	0.518	33	32	0.620	(0.101)
5,221	0.491	34	31	0.604	(0.114)
3,236	0.304	49	16	0.380	(0.076)
4,187	0.393	41	24	0.497	(0.103)
5,852	0.550	33	32	0.620	(0.071)
5,446	0.512	34	31	0.603	(0.091)
5,773	0.542	33	32	0.614	(0.072)
6,276	0.590	30	35	0.661	(0.072)
6,937	0.652	29	36	0.673	(0.022)
6,999	0.658	26	39	0.721	(0.064)
8,467	0.795	19	46	0.823	(0.028)
8,613	0.809	18	47	0.837	(0.028)
8,082	0.759	23	42	0.769	(0.010)
8,524	0.801	12	53	0.928	(0.128)
8,147	0.765	19	46	0.822	(0.057)
6,972	0.655	30	35	0.655	(0.000)
9,913	0.931	16	49	0.876	0.056
9,407	0.882	15	50	0.880	0.002
8,941	0.838	16	49	0.870	(0.032)
9,046	0.848	18	47	0.838	0.010
10,189	0.955	7	58	1.001	(0.046)
10,419	0.977	4	61	1.047	(0.070)
9,874	0.926	11	55	0.953	(0.027)
8,046	0.754	28	37	0.692	0.062
7,103	0.666	30	35	0.661	0.004
12,273	1.151	(6)	71	1.192	(0.042)
10,777	1.010	10	55	0.965	0.046
9,834	0.922	16	49	0.876	0.046
9,644	0.904	10	55	0.956	(0.052)
9,915	0.929	7	58	1.003	(0.074)
8,593	0.806	26	39	0.720	0.086



8,809	0.826	18	47	0.841	(0.015)
7,857	0.737	24	41	0.755	(0.018)
7,227	0.678	24	41	0.751	(0.074)
9,464	0.887	12	53	0.926	(0.039)
8,312	0.779	22	43	0.788	(0.009)
7,264	0.681	33	32	0.621	0.060
7,684	0.720	24	41	0.744	(0.024)
9,806	0.918	13	52	0.918	(0.001)
10,709	1.002	7	58	1.001	0.001
9,486	0.888	17	48	0.853	0.035
9,613	0.900	13	52	0.920	(0.020)
11,111	1.040	7	58	1.012	0.028
9,571	0.896	18	47	0.836	0.060
9,558	0.895	14	51	0.905	(0.010)
11,112	1.040	0	65	1.106	(0.066)
10,480	0.981	10	55	0.961	0.020
9,648	0.903	14	51	0.904	(0.001)
9,190	0.860	20	45	0.813	0.047
10,544	0.987	4	61	1.045	(0.058)
11,504	1.077	(0)	65	1.116	(0.039)
13,018	1.219	(9)	74	1.241	(0.023)
12,410	1.162	(2)	67	1.137	0.025
9,680	0.906	17	49	0.863	0.043
9,280	0.869	15	50	0.881	(0.012)
9,163	0.858	18	47	0.836	0.021
8,213	0.769	23	42	0.765	0.004
7,920	0.741	26	39	0.719	0.022
9,893	0.926	15	50	0.891	0.035
11,354	1.063	6	59	1.013	0.050
12,388	1.160	(4)	69	1.164	(0.005)
10,517	0.985	13	52	0.915	0.069
8,495	0.795	19	46	0.820	(0.025)
12,226	1.144	(6)	71	1.193	(0.048)
12,831	1.201	(5)	70	1.190	0.011
12,597	1.179	(5)	70	1.191	(0.012)
11,461	1.073	3	62	1.062	0.011
8,724	0.817	25	40	0.737	0.080
6,837	0.640	33	32	0.622	0.018
6,467	0.605	34	31	0.599	0.006
5,699	0.533	38	27	0.540	(0.007)
6,205	0.581	35	30	0.582	(0.001)
7,994	0.748	20	45	0.805	(0.056)
8,656	0.810	19	46	0.820	(0.010)
8,230	0.770	23	42	0.772	(0.002)
7,998	0.749	25	40	0.742	0.007
9,535	0.893	14	51	0.904	(0.011)
10,617	0.994	2	63	1.084	(0.090)

8,809	0.825	17	48	0.854	(0.029)
9,186	0.860	14	51	0.903	(0.043)
9,829	0.920	13	52	0.913	0.007
6,950	0.651	33	32	0.619	0.032
8,030	0.752	24	41	0.750	0.001
7,343	0.688	28	37	0.694	(0.006)
6,662	0.624	32	33	0.627	(0.003)
7,317	0.685	30	35	0.663	0.022
7,790	0.729	22	43	0.786	(0.056)
6,951	0.651	32	33	0.636	0.015
6,658	0.623	32	33	0.626	(0.003)
6,069	0.568	37	28	0.561	0.007
4,646	0.435	47	18	0.408	0.027
5,308	0.497	40	25	0.514	(0.017)
6,186	0.579	30	35	0.657	(0.078)
5,644	0.528	38	27	0.538	(0.009)
7,071	0.662	35	30	0.590	0.072
8,029	0.752	25	40	0.740	0.011
7,049	0.660	27	38	0.712	(0.052)
6,575	0.616	29	36	0.683	(0.068)
6,334	0.593	31	34	0.647	(0.053)
6,120	0.573	32	33	0.637	(0.064)
5,459	0.511	38	27	0.545	(0.034)
5,212	0.488	40	25	0.509	(0.021)
3,510	0.330	48	17	0.386	(0.057)
4,842	0.455	38	27	0.535	(0.080)
5,115	0.481	34	31	0.603	(0.122)
4,523	0.425	43	22	0.474	(0.048)
3,971	0.373	43	22	0.466	(0.093)
4,759	0.447	40	25	0.506	(0.059)
5,141	0.483	38	27	0.540	(0.057)
5,939	0.558	32	33	0.632	(0.074)
4,576	0.430	41	24	0.497	(0.066)
4,417	0.415	44	21	0.457	(0.042)
5,330	0.501	35	30	0.586	(0.085)
7,050	0.663	25	40	0.734	(0.071)
6,594	0.620	31	34	0.651	(0.031)
5,039	0.474	39	26	0.526	(0.053)
6,004	0.564	34	31	0.600	(0.036)
5,173	0.486	39	26	0.534	(0.048)
4,560	0.429	42	24	0.490	(0.061)
3,249	0.305	47	18	0.403	(0.098)
6,656	0.626	31	34	0.647	(0.022)
6,978	0.656	27	38	0.704	(0.049)
6,116	0.575	37	28	0.555	0.020
7,836	0.735	21	44	0.795	(0.060)
6,811	0.639	30	35	0.658	(0.019)

8,625	0.809	16	49	0.866	(0.057)
9,607	0.901	11	54	0.945	(0.044)
8,367	0.785	21	44	0.792	(0.007)
9,233	0.866	13	52	0.909	(0.043)
10,339	0.970	6	59	1.016	(0.046)
6,234	0.585	36	29	0.577	0.007
6,107	0.573	36	29	0.573	(0.000)
5,977	0.561	37	29	0.564	(0.004)
8,263	0.775	24	41	0.755	0.020
7,392	0.693	26	40	0.729	(0.035)
7,594	0.712	23	42	0.761	(0.049)
8,163	0.766	22	43	0.781	(0.015)
7,144	0.670	28	37	0.686	(0.016)
8,398	0.788	20	46	0.818	(0.030)
7,623	0.715	24	41	0.747	(0.032)
5,491	0.515	40	25	0.517	(0.002)
7,204	0.676	25	40	0.731	(0.055)
6,089	0.571	36	29	0.578	(0.007)
6,107	0.573	33	32	0.620	(0.047)
6,029	0.566	32	33	0.635	(0.070)
9,159	0.859	13	52	0.918	(0.059)
8,032	0.753	26	39	0.715	0.038
6,280	0.589	32	33	0.626	(0.037)
4,994	0.468	43	22	0.469	(0.000)
5,624	0.527	35	30	0.582	(0.055)
5,613	0.526	36	29	0.571	(0.045)
4,984	0.467	40	25	0.513	(0.046)
8,955	0.840	19	46	0.830	0.010
10,692	1.003	10	55	0.965	0.038
9,866	0.925	7	58	0.999	(0.074)
8,075	0.757	24	41	0.758	(0.001)
10,476	0.982	6	59	1.016	(0.033)
10,599	0.994	9	56	0.975	0.019
10,469	0.982	(0)	65	1.116	(0.135)
10,956	1.027	(4)	69	1.163	(0.136)
8,458	0.793	21	44	0.796	(0.003)
7,819	0.733	22	43	0.780	(0.046)
7,201	0.675	29	36	0.678	(0.003)
6,753	0.633	28	37	0.688	(0.055)
7,725	0.725	26	39	0.727	(0.003)
5,433	0.509	39	26	0.520	(0.011)
5,344	0.501	36	29	0.566	(0.064)
5,964	0.559	35	30	0.592	(0.033)
5,291	0.496	39	26	0.525	(0.029)
6,541	0.613	34	31	0.600	0.012
5,954	0.558	37	28	0.562	(0.004)
8,046	0.754	25	41	0.744	0.010

7,836	0.734	21	44	0.802	(0.068)
7,509	0.703	24	41	0.745	(0.041)
10,309	0.966	7	59	1.012	(0.047)
7,423	0.695	26	39	0.724	(0.028)
6,858	0.643	27	38	0.709	(0.067)
6,162	0.577	31	34	0.651	(0.074)
6,280	0.588	29	36	0.670	(0.082)
6,286	0.589	28	37	0.694	(0.105)
6,365	0.596	33	32	0.616	(0.020)
6,576	0.616	30	35	0.659	(0.043)
5,804	0.544	31	35	0.654	(0.110)
6,422	0.602	31	34	0.642	(0.041)
8,513	0.798	18	47	0.838	(0.041)
7,162	0.671	26	39	0.724	(0.053)
7,016	0.657	31	34	0.641	0.016
6,597	0.618	31	34	0.649	(0.031)
5,894	0.552	32	33	0.635	(0.083)
6,821	0.639	27	38	0.701	(0.062)
6,867	0.643	30	35	0.666	(0.023)
3,626	0.340	50	15	0.364	(0.024)
6,314	0.592	31	34	0.642	(0.051)
6,661	0.624	29	36	0.679	(0.055)
5,800	0.543	34	31	0.601	(0.058)
3,887	0.364	44	21	0.457	(0.093)
4,383	0.411	43	22	0.474	(0.063)
2,880	0.270	46	19	0.424	(0.154)
2,912	0.273	47	18	0.414	(0.141)
4,596	0.430	34	31	0.601	(0.171)
4,617	0.432	36	29	0.568	(0.136)
4,388	0.411	40	25	0.513	(0.102)
4,647	0.435	37	28	0.550	(0.115)
4,726	0.443	37	28	0.558	(0.115)
3,932	0.368	42	23	0.476	(0.108)
3,259	0.305	47	18	0.408	(0.103)
7,892	0.739	20	45	0.816	(0.077)
5,503	0.515	36	29	0.577	(0.062)
4,257	0.399	42	23	0.485	(0.086)
4,771	0.447	34	31	0.598	(0.151)
4,705	0.441	36	29	0.576	(0.135)
3,532	0.331	43	22	0.462	(0.131)
3,988	0.373	44	21	0.459	(0.086)
4,654	0.436	35	31	0.594	(0.158)
7,703	0.721	16	49	0.865	(0.144)
8,504	0.796	15	50	0.887	(0.090)
7,311	0.685	25	40	0.731	(0.047)
6,445	0.604	29	36	0.683	(0.080)
5,370	0.503	34	31	0.604	(0.101)

5,490	0.514	34	31	0.597	(0.083)
4,163	0.389	43	22	0.470	(0.081)
6,307	0.590	26	39	0.726	(0.136)
6,129	0.573	36	29	0.566	0.008
5,316	0.497	35	31	0.594	(0.097)
6,236	0.583	27	38	0.701	(0.117)
9,288	0.869	10	55	0.959	(0.090)
7,644	0.715	23	42	0.762	(0.047)
6,188	0.579	37	28	0.559	0.020
6,666	0.624	26	39	0.728	(0.104)
5,098	0.477	39	26	0.528	(0.051)
7,391	0.691	24	41	0.747	(0.056)
6,793	0.635	27	38	0.709	(0.074)
6,673	0.624	27	38	0.713	(0.089)
9,591	0.897	12	53	0.933	(0.036)
9,484	0.887	9	56	0.974	(0.087)
10,002	0.936	10	55	0.960	(0.024)
8,941	0.836	20	45	0.815	0.021
8,130	0.761	19	46	0.821	(0.061)
9,373	0.876	17	48	0.849	0.027
9,945	0.929	14	51	0.900	0.029
8,452	0.790	19	46	0.826	(0.037)
7,662	0.716	25	40	0.735	(0.019)
7,223	0.675	31	34	0.649	0.026
6,677	0.624	33	32	0.620	0.004
6,529	0.610	36	29	0.575	0.035
6,314	0.590	34	31	0.597	(0.007)
9,690	0.905	17	48	0.852	0.053
8,328	0.778	27	38	0.710	0.068
8,292	0.775	24	41	0.752	0.022
8,590	0.802	23	42	0.768	0.034
5,709	0.533	39	26	0.522	0.011
12,480	1.166	(2)	67	1.141	0.025
11,356	1.061	8	57	0.988	0.073
11,580	1.082	6	59	1.016	0.066
11,147	1.041	13	52	0.915	0.127
10,554	0.986	10	55	0.958	0.028
6,894	0.644	34	31	0.597	0.047
7,435	0.695	31	34	0.646	0.049
10,826	1.011	11	54	0.942	0.069
12,462	1.164	(4)	69	1.169	(0.005)
10,948	1.023	8	57	0.988	0.035
9,123	0.852	17	48	0.849	0.003
8,333	0.779	22	43	0.780	(0.002)
7,213	0.674	32	33	0.638	0.036
8,073	0.754	26	39	0.718	0.036
7,716	0.721	27	38	0.705	0.016

8,959	0.837	22	43	0.775	0.062
7,059	0.660	29	36	0.675	(0.015)
6,204	0.580	36	29	0.569	0.010
8,208	0.767	23	42	0.771	(0.004)
9,231	0.863	15	50	0.890	(0.028)
10,605	0.991	14	51	0.904	0.087
12,691	1.186	(0)	65	1.111	0.075
10,389	0.971	11	54	0.940	0.031
9,232	0.863	21	45	0.803	0.059
7,979	0.746	21	44	0.790	(0.044)
7,065	0.660	27	38	0.703	(0.042)
7,106	0.664	30	35	0.664	0.000
7,186	0.671	29	36	0.674	(0.002)
7,545	0.705	26	39	0.716	(0.011)
8,107	0.758	17	48	0.857	(0.099)
7,664	0.716	27	38	0.702	0.014
7,341	0.686	25	40	0.731	(0.044)
8,486	0.793	13	52	0.919	(0.126)
7,987	0.747	22	43	0.777	(0.030)
6,315	0.590	35	30	0.592	(0.002)
7,660	0.716	26	39	0.716	(0.000)
8,426	0.788	21	44	0.798	(0.011)
7,583	0.709	24	41	0.745	(0.037)
6,062	0.567	34	31	0.606	(0.039)
5,914	0.553	33	32	0.620	(0.068)
9,558	0.893	16	49	0.877	0.016
9,857	0.921	15	50	0.888	0.033
9,956	0.931	13	52	0.922	0.008
8,296	0.775	16	49	0.876	(0.100)
7,035	0.658	24	41	0.754	(0.097)
6,927	0.647	28	37	0.696	(0.048)
6,392	0.597	28	37	0.689	(0.091)
5,862	0.548	33	32	0.623	(0.075)
5,284	0.494	37	28	0.562	(0.068)
3,954	0.370	45	20	0.442	(0.073)

MN Reserve Margin Calculation - 2013

Line	Description	Unit	Value	Calculation
1	Standard Deviation of Residuals	Dth/customer	#REF!	
2	95% Critical Value (1 sided)	Z statistic	1.64	
3	Critical Use per customer	Dth/customer	#REF!	Line 1 * line 2
4	Customers	customer	10,723	
5	Estimated reserve	Dth	#REF!	line 3* line 4
6	Design Day Forecast	Dth	13,035	
7	allowable reserve margin	percent	#REF!	line 5 / line 6
8	Allowable Peak + reserve	Dth	#REF!	
9	Capacity	Dth	14,219	
10	Reserve	Dth	1,184	
11	Reserve percent	percent	9.1%	
12	Capacity -Z	Z statistic	#REF!	
13	Design Day probability	percent	#REF!	