

Missouri Gas Energy Index of LWL Schedules

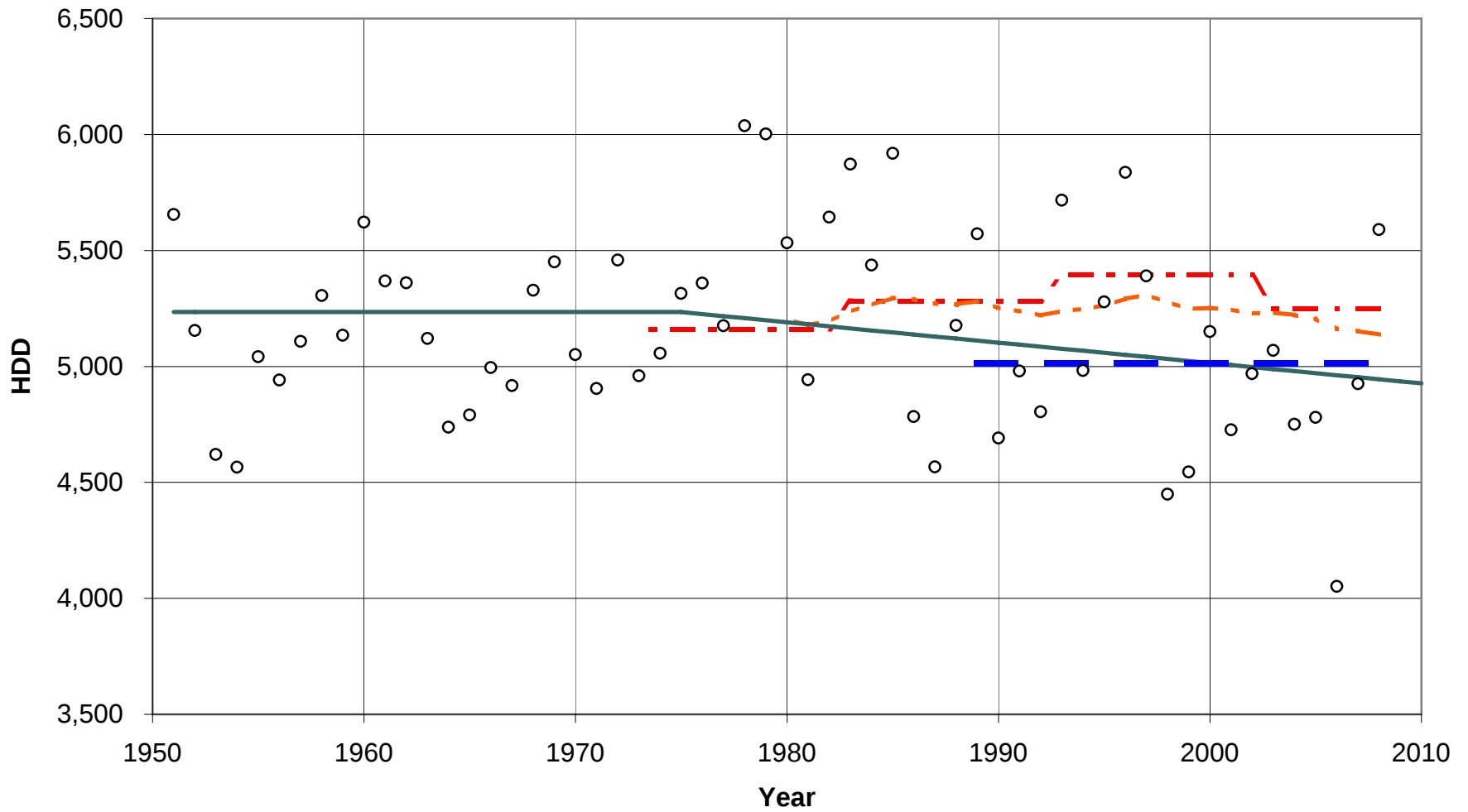
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Missouri Gas Energy
Per Books Bills, Deliveries, and Margin Revenues - 12 Months Ended 12/31/08

Line No.	[A] Description	[B] Number of Bills	[C] Deliveries Ccf	[D] Margin Revenues \$
1	Residential	5,246,661	391,144,938	130,103,150
2	Small General Service			
3	Sales	739,622	153,296,193	38,897,593
4	Transportation	8,303	9,143,182	1,680,545
5	Total SGS	747,925	162,439,375	40,578,138
6	Large General Service			
7	Sales	3,246	13,796,457	2,161,241
8	Transportation	381	1,524,883	257,823
9	Total LGS	3,627	15,321,340	2,419,064
10	Large Volume			
11	Sales	132	2,833,160	246,360
12	Transportation	5,813	261,951,863	13,193,133
13	Total Large Volume	5,945	264,785,023	13,439,493
14	Total 2008 Per Books	6,004,158	833,690,676	186,539,845
15	Recap:			
16	Sales	5,989,661	561,070,748	171,408,344
17	Transportation	14,497	272,619,928	15,131,501
18	Total	6,004,158	833,690,676	186,539,845

Missouri Gas Energy
Kansas City Int'l AP (MCI) Weather Station
Comparison of Actual, NOAA Normal, 30-yr Average,
OCN, and Hinge Fit HDD

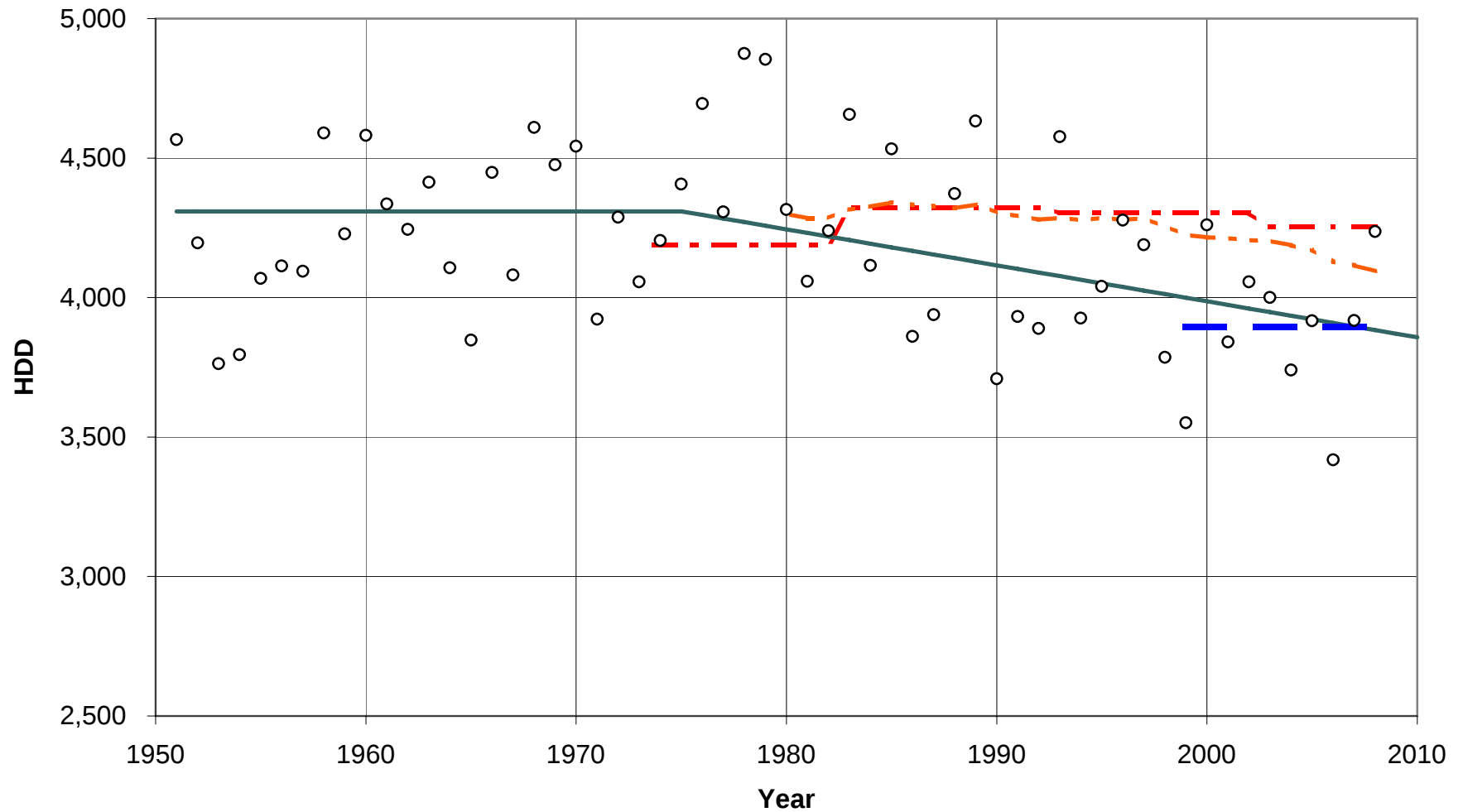
Schedule LWL 2
Sheet 1A



○ Actual — NOAA Normal — 30-yr Average — Hinge — OCN

Missouri Gas Energy
Joplin Weather Station
Comparison of Actual, NOAA Normal, 30-yr Average,
OCN, and Hinge Fit HDD

Schedule LWL 2
Sheet 1B



○ Actual — NOAA Normal — 30-yr Average — Hinge — OCN

Missouri Gas Energy
Comparison of Annual Actual HDDs with NOAA Normal HDDs
Over Various Periods

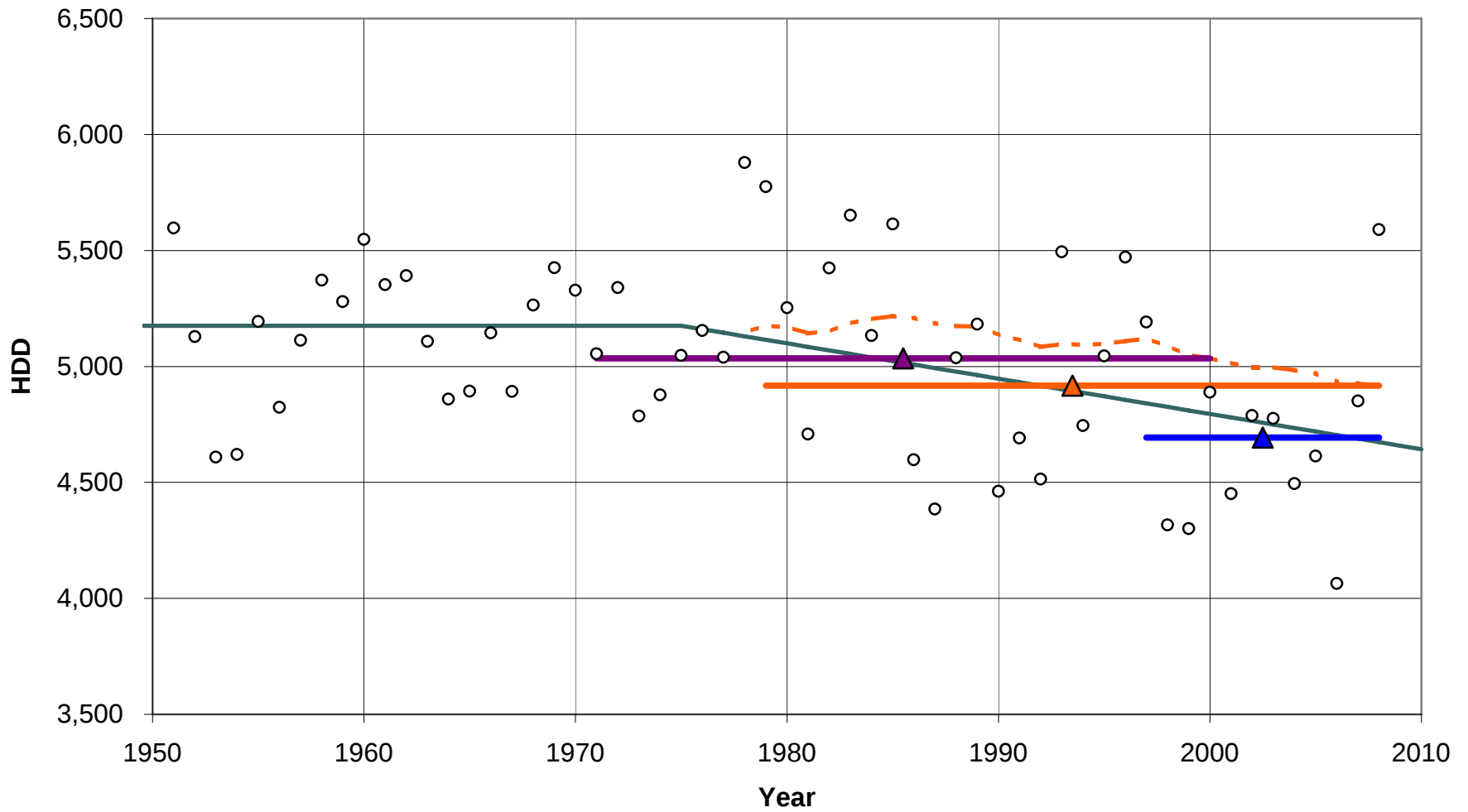
[A]		[B]	[C]	[D]	[E]	[F]	[G]
Line No.	Weather Station	Average NOAA Normal HDDs	Average Actual	Amount Actual Exceeds NOAA		Number of Years Actual Exceeds NOAA	
				Average Annual	Percent	Number	Percent
1	25-year Period Ended December 31, 2008						
2	MCI	5,319	5,046	(273)	-5.14%	6	24.00%
3	Joplin	4,297	4,029	(269)	-6.26%	4	16.00%
4	Average	4,808	4,537	(271)	-5.70%	5	20.00%
5	10-year Period Ended December 31, 2008						
6	MCI	5,307	4,856	(451)	-8.50%	1	10.00%
7	Joplin	4,273	3,894	(379)	-8.87%	0	0.00%
8	Average	4,790	4,375	(415)	-8.69%	1	5.00%
9	15-year Period Ended December 31, 1998						
10	MCI	5,327	5,172	(155)	-2.91%	5	33.33%
11	Joplin	4,314	4,118	(195)	-4.53%	4	26.67%
12	Average	4,820	4,645	(175)	-3.72%	5	30.00%

Missouri Gas Energy
Comparison of Annual Actual HDDs with 30-Year Average HDDs
Over Various Periods

[A]		[B]	[C]	[D]	[E]	[F]	[G]
Line No.	Weather Station	Average of 30-Year Average HDD	Average Actual	Amount Actual Exceeds 30-Year Average		Number of Years Actual Exceeds 30-Year Average	
				Average Annual	Percent	Number	Percent
1	25-year Period Ended December 31, 2008						
2	MCI	5,244	5,046	(198)	-3.78%	8	32.00%
3	Joplin	4,251	4,029	(223)	-5.24%	6	24.00%
4	Average	4,747	4,537	(210)	-4.51%	7	28.00%
5	10-year Period Ended December 31, 2008						
6	MCI	5,208	4,856	(353)	-6.77%	1	10.00%
7	Joplin	4,176	3,894	(282)	-6.76%	2	20.00%
8	Average	4,692	4,375	(317)	-6.76%	2	15.00%
9	15-year Period Ended December 31, 1998						
10	MCI	5,267	5,172	(95)	-1.80%	7	46.67%
11	Joplin	4,302	4,118	(183)	-4.26%	4	26.67%
12	Average	4,784	4,645	(139)	-3.03%	6	36.67%

Missouri Gas Energy
Kansas City Int'l AP (MCI) Weather Station
Comparison of Actual, 30-yr Average, OCN,
and Hinge Fit HDD - Homogenized HDDs

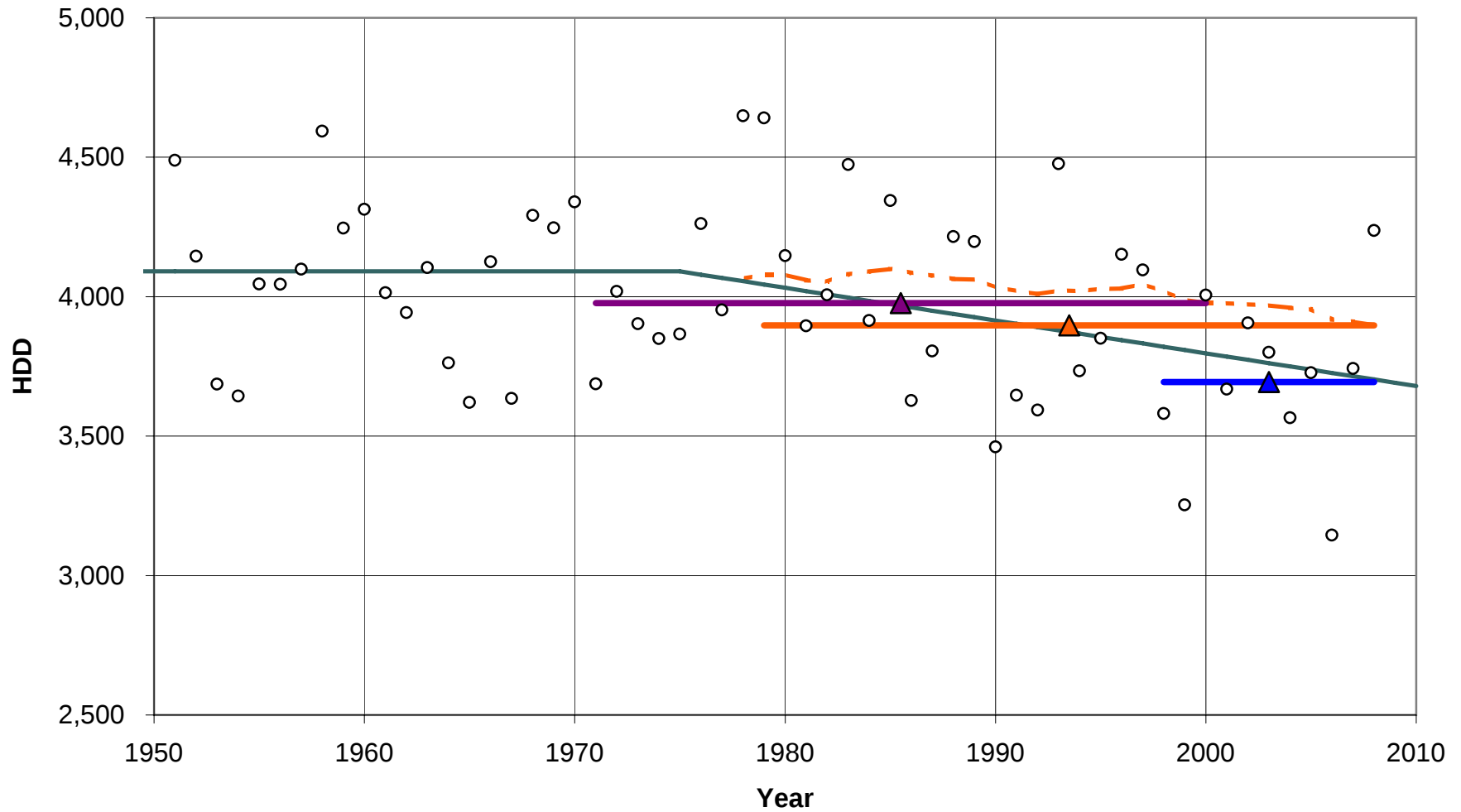
Schedule LWL 2
Sheet 3A



○ Actual — Rolling 30-yr Avg — Hinge — 30-yr Avg 71-00 — 30-yr Avg 79-08 — OCN

Missouri Gas Energy
Joplin Weather Station
Comparison of Actual, 30-yr Average, OCN,
and Hinge Fit HDD - Homogenized HDDs

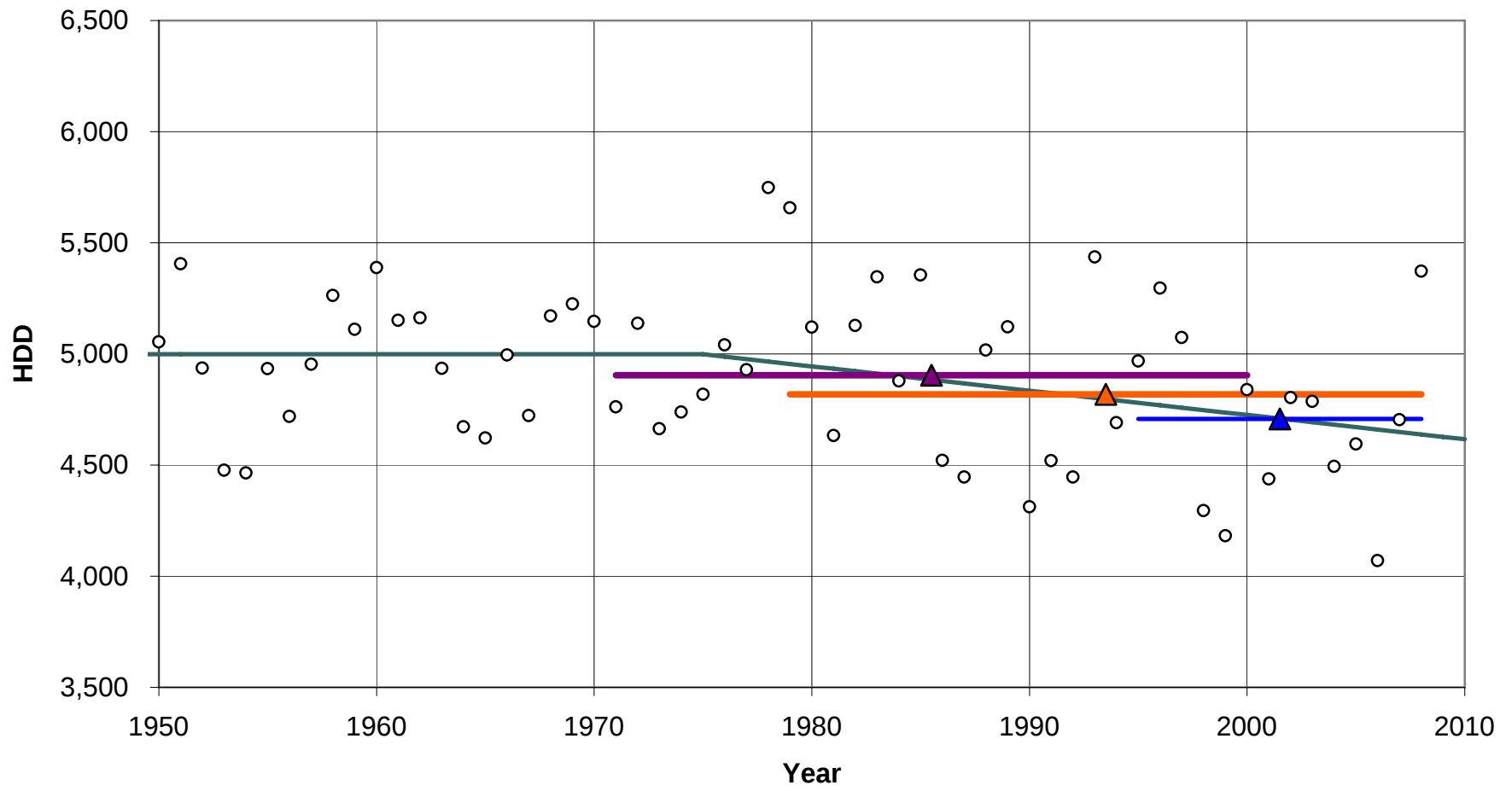
Schedule LWL 2
Sheet 3B



○ Actual - - - Rolling 30-yr Avg — Hinge — 30-yr Avg 71-00 — 30-yr Avg 79-08 — OCN

**Missouri Gas Energy
Combined Missouri Weather Stations
Comparison of Actual, 30-yr Average, OCN,
and Hinge-Fit HDD - Homogenized HDDs**

Schedule LWL 2
Sheet 3C



[A]		[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]	[K]	[L]
Line No.	Description/Year	Actual HDD	Predicted by Hinge			Actual less Predicted - Complete Data Set			Actual less Predicted - Data Set to Date			Hinge Factor
			Complete Data Set	Data Set to Date		No Offset	One Year Offset	Two Year Offset	No Offset	One Year Data Lag	Two Year Data Lag	
				Predicted	Hinge Slope							
[B] - [C] [B (Prior Year)] - [C] [B (2nd Prior Year)] - [C] [B] - [D] [B] - [D (Prior Year)] [B] - [D (2nd Prior Year)]												
1	Data Set	1951 - 2008	1951 - 2008	1951 - To Date	1951 - To Date	1951 - 2008	1951 - To Date	1951 - To Date	1951 - To Date	1951 - To Date(-1)	1951 - To Date(-2)	
2	2007-08 Hinge Slope - HDD/yr		(8.78)	55.73								
3	Correlation of Residuals (g)					29.61%						
4	Correlation Coefficient		23.48%	56.73%								
5	OCN (years)		20									
6	Entire Data Set											
7	Years	58	58	58		58	57	56	58	57	56	
8	Mean	5,149.40	5,149.40	5,253.32		(0.00)	(6.24)	(0.83)	(103.92)	(141.99)	(173.89)	
9	Standard Deviation	417.38	97.99	269.75		405.71	401.05	405.74	345.29	449.06	498.28	
10	Actual Exceeds Predicted											
11	Number of Years %					45%	44%	45%	40%	42%	38%	
12	Average					(0.00)	(6.24)	(0.83)	(103.92)	(141.99)	(173.89)	
13	Standard Deviation					405.71	401.05	405.74	345.29	449.06	498.28	
14	Most Recent 10 Years											
15	Actual Exceeds Predicted											
16	Number of Years %					30%	20%	30%	40%	40%	10%	
17	Average	4,855.70	4,984.12	5,027.04		(128.42)	(242.52)	(196.02)	(171.34)	(193.81)	(236.31)	
18	Standard Deviation	403.44	26.58	93.19		408.60	326.57	373.58	403.14	449.38	460.50	
19	Most Recent 25 Years											
20	Actual Exceeds Predicted											
21	Number of Years %					44%	44%	48%	40%	40%	24%	
22	Average	5,045.60	5,049.96	5,244.21		(4.36)	6.92	35.68	(198.61)	(243.92)	(293.88)	
23	Standard Deviation	462.39	64.61	243.37		447.59	451.53	461.25	414.81	497.75	517.45	
24	50 - Years											
25	Actual Exceeds Predicted											
26	Number of Years %					48%	48%	48%	40%	42%	38%	
27	Average	5,165.48	5,135.81	5,268.51		29.67	23.97	27.63	(103.03)	(132.23)	(162.26)	
28	Standard Deviation	427.58	99.02	272.87		408.72	399.82	401.14	358.22	457.64	497.69	
29	Forecast											
30	2010		4,927	4,927								36.0
31	2009		4,936	4,936								35.0
32	Historical											
33	2008	5,590	4,945	4,945	(8.78)	645	(20)	(893)	645	712	716	34.0
34	2007	4,925	4,953	4,889	(11.12)	(28)	(901)	(173)	36	40	(57)	33.0
35	2006	4,052	4,962	4,896	(11.26)	(910)	(182)	(212)	(844)	(937)	(963)	32.0
36	2005	4,780	4,971	4,997	(7.81)	(191)	(221)	98	(217)	(242)	(276)	31.0
37	2004	4,750	4,980	5,029	(6.87)	(230)	89	(11)	(279)	(312)	(311)	30.0
38	2003	5,069	4,989	5,067	(5.58)	80	(20)	(262)	2	2	(12)	29.0
39	2002	4,969	4,997	5,072	(5.58)	(28)	(270)	153	(103)	(117)	(166)	28.0
40	2001	4,727	5,006	5,091	(5.03)	(279)	144	(461)	(364)	(411)	(410)	27.0
41	2000	5,150	5,015	5,141	(2.96)	135	(470)	(566)	9	10	(79)	26.0
42	1999	4,545	5,024	5,143	(3.01)	(479)	(575)	366	(598)	(683)	(805)	25.0
43	1998	4,449	5,032	5,227	0.98	(583)	358	805	(778)	(894)	(886)	24.0
44	1997	5,390	5,041	5,337	6.62	349	796	237	53	62	150	23.0
45	1996	5,837	5,050	5,322	6.19	787	228	(68)	515	599	606	22.0
46	1995	5,278	5,059	5,236	1.75	219	(77)	658	42	49	2	21.0
47	1994	4,982	5,068	5,228	1.35	(86)	649	(264)	(246)	(290)	(199)	20.0
48	1993	5,717	5,076	5,268	3.94	641	(272)	(96)	449	535	452	19.0
49	1992	4,804	5,085	5,184	(1.31)	(281)	(105)	(394)	(380)	(457)	(521)	18.0
50	1991	4,980	5,094	5,257	3.66	(114)	(403)	478	(277)	(338)	(492)	17.0
51	1990	4,691	5,103	5,310	7.76	(412)	469	73	(619)	(763)	(726)	16.0
52	1989	5,572	5,111	5,436	18.16	461	65	(544)	136	170	109	15.0
53	1988	5,176	5,120	5,386	15.53	56	(553)	(336)	(210)	(267)	(543)	14.0
54	1987	4,567	5,129	5,423	20.24	(562)	(345)	790	(856)	(1,109)	(1,413)	13.0
55	1986	4,784	5,138	5,633	42.84	(354)	781	299	(849)	(1,127)	(1,095)	12.0
56	1985	5,919	5,147	5,841	69.66	772	290	725	78	106	(35)	11.0
57	1984	5,437	5,155	5,746	66.66	282	717	489	(309)	(436)	(392)	10.0
58	1983	5,872	5,164	5,791	81.49	708	480	(222)	81	119	99	9.0
59	1982	5,644	5,173	5,676	76.49	471	(231)	360	(32)	(50)	(579)	8.0
60	1981	4,942	5,182	5,615	79.16	(240)	351	820	(673)	(1,124)	(1,510)	7.0
61	1980	5,533	5,190	5,909	157.11	343	812	848	(376)	(696)	(702)	6.0
62	1979	6,002	5,199	6,006	223.06	803	839	(24)	(4)	(9)	605	5.0
63	1978	6,038	5,208	5,787	224.30	830	(33)	151	251	710	198	4.0
64	1977	5,175	5,217	5,259	68.74	(42)	142	98	(84)	(425)	57	3.0
65	1976	5,359	5,226	5,359	240.60	133	89	(169)	-	241	249	2.0
66	1975	5,315	5,234	5,118		81	(177)	(275)	197	205	202	1.0
67	1974	5,057	5,234	5,110		(177)	(275)	225	(53)	(56)	(63)	1.0
68	1973	4,959	5,234	5,113		(275)	225	(329)	(154)	(161)	(144)	1.0
69	1972	5,459	5,234	5,120		225	(329)	(183)	340	356	346	1.0
70	1971	4,905	5,234	5,103		(329)	(183)	216	(198)	(208)	(212)	1.0
71	1970	5,051	5,234	5,113		(183)	216	94	(62)	(66)	(47)	1.0
72	1969	5,450	5,234	5,117		216	94	(317)	333	352	366	1.0
73	1968	5,328	5,234	5,098		94	(317)	(239)	230	244	233	1.0
74	1967	4,917	5,234	5,084		(317)	(239)	(444)	(167)	(178)	(185)	1.0
75	1966	4,995	5,234	5,095		(239)	(444)	(496)	(100)	(107)	(129)	1.0
76	1965	4,790	5,234	5,102		(444)	(496)	(113)	(312)	(334)	(364)	1.0
77	1964	4,738	5,234	5,124		(496)	(113)	126	(386)	(416)	(418)	1.0
78	1963	5,121	5,234	5,154		(113)	126	134	(33)	(35)	(17)	1.0
79	1962	5,360	5,234	5,156		126	134	388	204	222	245	1.0
80	1961	5,368	5,234	5,138		134	388	(100)	230	253	310	1.0
81	1960	5,622	5,234	5,115		388	(100)	71	507	564	573	1.0
82	1959	5,134	5,234	5,058		(100)	71	(126)	76	85	122	1.0
83	1958	5,305	5,234	5,049		71	(126)	(293)	256	293	309	1.0
84	1957	5,108	5,234	5,012		(126)	(293)	(192)	96	112	101	1.0
85	1956	4,941	5,234	4,996		(293)	(192)	(669)	(55)	(66)	(58)	1.0
86	1955	5,042	5,234	5,007		(192)	(669)	(614)	35	43	(101)	1.0
87	1954	4,565	5,234	4,999		(669)	(614)	(79)	(434)	(578)	(840)	1.0
88	1953	4,620	5,234	5,143		(614)	(79)	421	(523)	(785)	(1,035)	1.0
89	1952	5,155	5,234	5,405		(79)	421	-	(250)	(500)		1.0
90	1951	5,655	5,234	5,655		421	-	-	-	-		1.0

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]	[K]	[L]
Line No.	Description/Year	Actual HDD	Complete Data Set	Predicted by Hinge		Actual less Predicted - Complete Data Set			Actual less Predicted - Data Set to Date			Hinge Factor
				Data Set to Date		No Offset	One Year Offset	Two Year Offset	No Offset	One Year Data Lag	Two Year Data Lag	
				Predicted	Hinge Slope							
						[B] - [C]	[B (Prior Year)] - [C]	[B (2nd Prior Year)] - [C]		[B] - [D]	[B] - [D (Prior Year)]	[B] - [D (2nd Prior Year)]
1	Data Set	1951 - 2008	1951 - 2008	1951 - To Date	1951 - To Date	1951 - 2008	1951 - To Date	1951 - To Date	1951 - To Date		1951 - To Date(-1)	1951 - To Date(-2)
2	2007-08 Hinge Slope - HDD/yr		(12.91)	22.46								
3	Correlation of Residuals (g)					9.76%						
4	Correlation Coefficient		44.70%	63.30%								
5	OCN (years)		10									
6	Entire Data Set											
7	Years (Observations)	58	58	58		58	57	56	58	57	56	
8	Mean	4,184.29	4,184.29	4,228.52		(0.00)	1.27	8.27	(44.23)	(73.80)	(98.73)	
9	Standard Deviation	322.35	144.09	219.21		288.35	288.41	292.48	250.00	343.55	375.59	
10	Actual Exceeds Predicted											
11	Number of Years %					48%	51%	50%	47%	49%	50%	
12	Average					(0.00)	1.27	8.27	(44.23)	(73.80)	(98.73)	
13	Standard Deviation					288.35	288.41	292.48	250.00	343.55	375.59	
14	Most Recent 10 Years											
15	Actual Exceeds Predicted											
16	Number of Years %					50%	50%	50%	50%	50%	50%	
17	Average	3,893.80	3,941.26	3,948.70		(47.46)	(92.56)	(65.46)	(54.90)	(62.41)	(78.65)	
18	Standard Deviation	270.99	39.08	60.33		276.37	241.46	253.64	265.47	297.86	295.20	
19	Most Recent 25 Years											
20	Actual Exceeds Predicted											
21	Number of Years %					44%	52%	52%	44%	44%	40%	
22	Average	4,028.60	4,038.07	4,114.85		(9.47)	7.29	20.13	(86.25)	(107.50)	(129.30)	
23	Standard Deviation	303.64	95.00	170.44		283.27	289.01	289.00	265.36	320.24	314.59	
24	50 - Years											
25	Actual Exceeds Predicted											
26	Number of Years %					52%	56%	54%	48%	50%	50%	
27	Average	4,190.06	4,164.32	4,233.15		25.74	32.80	36.32	(43.09)	(67.56)	(91.79)	
28	Standard Deviation	327.49	145.60	226.11		280.07	279.24	282.31	251.60	343.22	367.74	
29	Forecast											
30	2010		3,857	3,857								36.0
31	2009		3,870	3,870								35.0
32	Historical											
33	2008	4,237	3,883	3,883	(12.91)	354	35	(465)	354	390	397	34.0
34	2007	3,918	3,896	3,861	(14.19)	22	(478)	21	57	63	12	33.0
35	2006	3,418	3,909	3,869	(14.41)	(491)	8	(169)	(451)	(501)	(502)	32.0
36	2005	3,917	3,922	3,931	(12.57)	(5)	(182)	78	(14)	(16)	(41)	31.0
37	2004	3,740	3,935	3,945	(12.51)	(195)	65	121	(205)	(230)	(227)	30.0
38	2003	4,000	3,948	3,981	(11.56)	52	108	(107)	19	21	30	29.0
39	2002	4,056	3,961	3,991	(11.65)	95	(120)	299	65	74	53	28.0
40	2001	3,841	3,974	3,994	(12.00)	(133)	286	(423)	(153)	(173)	(140)	27.0
41	2000	4,260	3,986	4,025	(11.12)	274	(435)	(200)	235	267	199	26.0
42	1999	3,551	3,999	4,006	(12.57)	(448)	190	(455)	(520)	(566)	(566)	25.0
43	1998	3,786	4,012	4,080	(9.53)	(226)	177	265	(294)	(338)	(329)	24.0
44	1997	4,189	4,025	4,132	(7.40)	164	252	15	57	66	92	23.0
45	1996	4,277	4,038	4,130	(7.85)	239	2	(112)	147	170	157	22.0
46	1995	4,040	4,051	4,116	(9.12)	(11)	(125)	526	(76)	(89)	(129)	21.0
47	1994	3,926	4,064	4,137	(8.40)	(138)	513	(175)	(211)	(249)	(169)	20.0
48	1993	4,577	4,077	4,182	(6.18)	500	(188)	(145)	395	471	422	19.0
49	1992	3,889	4,090	4,117	(10.81)	(201)	(158)	(381)	(228)	(274)	(329)	18.0
50	1991	3,932	4,103	4,171	(7.83)	(171)	(394)	530	(239)	(290)	(420)	17.0
51	1990	3,709	4,116	4,227	(4.30)	(407)	517	256	(518)	(638)	(560)	16.0
52	1989	4,633	4,128	4,343	4.40	505	244	(190)	290	363	393	15.0
53	1988	4,372	4,141	4,271	(1.21)	231	(203)	(280)	101	128	28	14.0
54	1987	3,938	4,154	4,247	(3.47)	(216)	(293)	379	(309)	(401)	(570)	13.0
55	1986	3,861	4,167	4,334	4.70	(306)	366	(52)	(473)	(628)	(602)	12.0
56	1985	4,533	4,180	4,469	19.65	353	(65)	476	64	87	(57)	11.0
57	1984	4,115	4,193	4,429	17.19	(78)	463	46	(314)	(442)	(373)	10.0
58	1983	4,656	4,206	4,525	32.25	450	33	(148)	131	193	65	9.0
59	1982	4,239	4,219	4,439	24.18	20	(161)	96	(200)	(311)	(666)	8.0
60	1981	4,058	4,232	4,509	40.67	(174)	83	622	(451)	(754)	(1,168)	7.0
61	1980	4,315	4,245	4,719	92.94	70	609	630	(404)	(748)	(813)	6.0
62	1979	4,854	4,258	4,899	163.75	596	617	49	(45)	(97)	151	5.0
63	1978	4,875	4,270	4,774	177.08	605	37	425	101	286	(732)	4.0
64	1977	4,307	4,283	4,474	114.38	24	412	124	(167)	(844)	68	3.0
65	1976	4,695	4,296	4,695	456.00	399	111	(92)	-	456	463	2.0
66	1975	4,407	4,309	4,239		98	(105)	(253)	168	175	174	1.0
67	1974	4,204	4,309	4,232		(105)	(253)	(21)	(28)	(29)	(37)	1.0
68	1973	4,056	4,309	4,233		(253)	(21)	(387)	(177)	(185)	(183)	1.0
69	1972	4,288	4,309	4,241		(21)	(387)	233	47	49	33	1.0
70	1971	3,922	4,309	4,239		(387)	233	167	(317)	(333)	(318)	1.0
71	1970	4,542	4,309	4,255		233	167	301	287	302	315	1.0
72	1969	4,476	4,309	4,240		167	301	(228)	236	249	272	1.0
73	1968	4,610	4,309	4,227		301	(228)	139	383	406	398	1.0
74	1967	4,081	4,309	4,204		(228)	139	(462)	(123)	(131)	(115)	1.0
75	1966	4,448	4,309	4,212		139	(462)	(202)	236	252	227	1.0
76	1965	3,847	4,309	4,196		(462)	(202)	104	(349)	(374)	(383)	1.0
77	1964	4,107	4,309	4,221		(202)	104	(65)	(114)	(123)	(108)	1.0
78	1963	4,413	4,309	4,230		104	(65)	26	183	199	201	1.0
79	1962	4,244	4,309	4,215		(65)	26	272	30	32	45	1.0
80	1961	4,335	4,309	4,212		26	272	(81)	123	136	178	1.0
81	1960	4,581	4,309	4,200		272	(81)	281	382	424	433	1.0
82	1959	4,228	4,309	4,157		(81)	281	(215)	71	80	143	1.0
83	1958	4,590	4,309	4,148		281	(215)	(196)	442	505	506	1.0
84	1957	4,094	4,309	4,085		(215)	(196)	(240)	9	10	16	1.0
85	1956	4,113	4,309	4,084		(196)	(240)	(514)	29	35	33	1.0
86	1955	4,069	4,309	4,078		(240)	(514)	(546)	(9)	(11)	(106)	1.0
87	1954	3,795	4,309	4,080		(514)	(546)	(113)	(285)	(380)	(586)	1.0
88	1953	3,763	4,309	4,175		(546)	(113)	257	(412)	(618)	(803)	1.0
89	1952	4,196	4,309	4,381		(113)	257	-	(185)	(370)		1.0
90	1951	4,566	4,309	4,566		257						1.0

MGE - LWL Exhibits and Workpapers (final)LWL-2 - 4C

4/1/2009

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]	[K]	[L]
Line No.	Desription/Year	Actual HDD	Predicted by Hinge		Actual less Predicted - Complete Data Set			Actual less Predicted - Data Set to Date			Hinge Factor	
			Complete Data Set	Data Set to Date	No Offset	One Year Offset	Two Year Offset	No Offset	One Year Offset	Two Year Offset		
			Predicted	Hinge Slope								
					[B] - [C]	[B (Prior Year)] - [C]	[B (2nd Prior Year)] - [C]	[B] - [D]	[B] - [D (Prior Year)]	[B] - [D (2nd Prior Year)]		
1	Data Set	1949 - 2008	1949 - 2008	1949 - To Date	1949 - To Date	1949 - 2008	1949 - To Date	1949 - To Date	1949 - To Date	1949 - To Date	1949 - To Date	
2	2007-08 Hinge Slope - HDD/yr		(10.93)	62.07								
3	Correlation of Residuals (g)				21.02%							
4	Correlation Coefficient		33.69%	55.69%								
5	OCN (years)		14									
6	Entire Data Set											
7	Years (Observations)	60	60	60	60	59	58	60	59	58		
8	Mean	4,896.47	4,896.47	4,945.04	(0.00)	(6.32)	(1.34)	(48.58)	(53.91)	(63.08)		
9	Standard Deviation	360.35	121.40	210.65	339.28	328.69	331.94	299.45	376.30	401.79		
10	Actual Exceeds Predicted											
11	Number of Years %				48%	47%	47%	48%	51%	47%		
12	Average				(0.00)	(6.32)	(1.34)	(48.58)	(53.91)	(63.08)		
13	Standard Deviation				339.28	328.69	331.94	299.45	376.30	401.79		
14	Most Recent 10 Years											
15	Actual Exceeds Predicted											
16	Number of Years %				50%	40%	40%	50%	50%	50%		
17	Average	4,628.18	4,687.22	4,663.46	(59.04)	(166.72)	(129.77)	(35.28)	(53.11)	(85.27)		
18	Standard Deviation	368.88	33.08	55.86	381.67	278.28	312.48	369.12	410.67	418.22		
19	Most Recent 25 Years											
20	Actual Exceeds Predicted											
21	Number of Years %				48%	48%	48%	48%	48%	44%		
22	Average	4,746.27	4,769.17	4,821.46	(22.91)	(23.94)	(6.95)	(75.19)	(101.00)	(126.68)		
23	Standard Deviation	386.21	80.42	179.32	381.24	360.66	363.49	363.46	426.63	429.17		
24	50 - Years											
25	Actual Exceeds Predicted											
26	Number of Years %				52%	52%	50%	48%	50%	48%		
27	Average	4,893.58	4,876.03	4,945.38	17.55	15.38	20.37	(51.80)	(57.26)	(63.17)		
28	Standard Deviation	373.69	123.25	227.88	346.50	333.01	333.16	307.82	383.12	404.12		
29	Forecast											
30	2010		4,616	4,616								36.0
31	2009		4,627	4,627								35.0
32	Historical											
33	2008	5,372	4,638	4,638	(10.93)	734	66	(568)	734	796	795	34.0
34	2007	4,704	4,649	4,576	(13.55)	55	(579)	(54)	128	127	60	33.0
35	2006	4,070	4,660	4,576	(14.04)	(589)	(65)	(166)	(506)	(574)	(591)	32.0
36	2005	4,595	4,671	4,644	(12.00)	(76)	(177)	115	(49)	(67)	(98)	31.0
37	2004	4,494	4,682	4,661	(11.78)	(188)	104	122	(167)	(198)	(198)	30.0
38	2003	4,786	4,693	4,692	(11.02)	93	111	(256)	94	94	96	29.0
39	2002	4,803	4,704	4,692	(11.48)	100	(266)	136	111	113	69	28.0
40	2001	4,437	4,715	4,690	(12.06)	(277)	125	(533)	(253)	(297)	(294)	27.0
41	2000	4,840	4,725	4,734	(10.63)	114	(544)	(431)	106	109	23	26.0
42	1999	4,182	4,736	4,731	(11.28)	(555)	(442)	337	(549)	(635)	(716)	25.0
43	1998	4,295	4,747	4,816	(7.65)	(452)	326	549	(521)	(603)	(581)	24.0
44	1997	5,073	4,758	4,898	(3.92)	315	538	209	176	198	257	23.0
45	1996	5,297	4,769	4,876	(5.29)	527	198	(79)	421	481	496	22.0
46	1995	4,967	4,780	4,816	(8.89)	187	(90)	656	152	167	138	21.0
47	1994	4,690	4,791	4,800	(10.32)	(101)	645	(345)	(111)	(140)	(40)	20.0
48	1993	5,436	4,802	4,829	(9.17)	634	(356)	(283)	607	706	636	19.0
49	1992	4,446	4,813	4,730	(16.20)	(367)	(294)	(501)	(284)	(354)	(423)	18.0
50	1991	4,519	4,824	4,800	(12.52)	(305)	(512)	298	(281)	(350)	(478)	17.0
51	1990	4,312	4,835	4,869	(8.41)	(523)	287	182	(557)	(685)	(656)	16.0
52	1989	5,122	4,846	4,997	0.88	276	171	(399)	125	154	165	15.0
53	1988	5,017	4,857	4,968	(1.51)	161	(410)	(336)	50	60	(80)	14.0
54	1987	4,447	4,868	4,957	(2.61)	(421)	(347)	488	(510)	(650)	(809)	13.0
55	1986	4,521	4,878	5,097	10.77	(358)	477	(0)	(576)	(735)	(673)	12.0
56	1985	5,356	4,889	5,255	28.85	466	(11)	457	100	161	72	11.0
57	1984	4,878	4,900	5,194	25.02	(22)	446	228	(316)	(405)	(340)	10.0
58	1983	5,346	4,911	5,283	40.11	435	217	(279)	62	128	122	9.0
59	1982	5,128	4,922	5,218	36.28	206	(290)	199	(89)	(95)	(379)	8.0
60	1981	4,632	4,933	5,224	43.61	(301)	188	724	(591)	(875)	(1,024)	7.0
61	1980	5,121	4,944	5,507	111.81	177	713	804	(387)	(536)	(356)	6.0
62	1979	5,657	4,955	5,656	179.35	702	793	(26)	1	180	687	5.0
63	1978	5,748	4,966	5,477	179.18	782	(37)	75	271	778	707	4.0
64	1977	4,929	4,977	4,970	11.53	(48)	64	(158)	(41)	(112)	(17)	3.0
65	1976	5,041	4,988	5,041	95.50	53	(169)	(249)	-	95	91	2.0
66	1975	4,819	4,999	4,946		(180)	(260)	(335)	(127)	(132)	(140)	1.0
67	1974	4,738	4,999	4,950		(260)	(335)	139	(212)	(221)	(233)	1.0
68	1973	4,664	4,999	4,959		(335)	139	(237)	(295)	(307)	(300)	1.0
69	1972	5,138	4,999	4,971		139	(237)	147	167	174	165	1.0
70	1971	4,762	4,999	4,964		(237)	147	226	(202)	(211)	(203)	1.0
71	1970	5,146	4,999	4,973		147	226	172	173	181	194	1.0
72	1969	5,225	4,999	4,965		226	172	(277)	260	273	284	1.0
73	1968	5,171	4,999	4,952		172	(277)	(3)	219	230	218	1.0
74	1967	4,722	4,999	4,940		(277)	(3)	(376)	(219)	(231)	(228)	1.0
75	1966	4,995	4,999	4,953		(3)	(376)	(327)	43	45	25	1.0
76	1965	4,622	4,999	4,950		(376)	(327)	(64)	(328)	(348)	(368)	1.0
77	1964	4,672	4,999	4,971		(327)	(64)	164	(299)	(319)	(323)	1.0
78	1963	4,934	4,999	4,990		(64)	164	152	(56)	(60)	(47)	1.0
79	1962	5,163	4,999	4,994		164	152	390	168	181	195	1.0
80	1961	5,151	4,999	4,982		152	390	113	170	184	222	1.0
81	1960	5,388	4,999	4,967		390	113	264	421	459	477	1.0
82	1959	5,111	4,999	4,929		113	264	(46)	182	200	239	1.0
83	1958	5,263	4,999	4,911		264	(46)	(279)	352	391	401	1.0
84	1957	4,953	4,999	4,872		(46)	(279)	(65)	81	92	71	1.0
85	1956	4,719	4,999	4,862		(279)	(65)	(534)	(142)	(163)	(154)	1.0
86	1955	4,933	4,999	4,882		(65)	(534)	(522)	51	60	(22)	1.0
87	1954	4,465	4,999	4,873		(534)	(522)	(62)	(409)	(490)	(610)	1.0
88	1953	4,477	4,999	4,955		(522)	(62)	406	(479)	(598)	(644)	1.0
89	1952	4,936	4,999	5,075		(62)	406	55	(139)	(185)	(43)	1.0
90	1951	5,405	4,999	5,121		406	55	(95)	284	426	501	1.0
91	1950	5,054	4,999	4,979		55	(95)		75	150		1.0
92	1949	4,904	4,999	4,904		(95)			-			1.0

Explanation of Hinge-Fit Analysis

Sheets 4A through 4E of this Schedule LWL 2 show the derivation of the hinge-fit for each weather station and of the combined weather stations. The following is an explanation of the calculations included in this exhibit.

On Lines 1 through 26, various statistics regarding the raw data and hinge-fit are shown. On Lines 31 through 90, the raw data is shown along with the amounts predicted by the hinge-fit for the historical period 1951 through 2008. On Lines 27 through 29, normal HDDs are presented based on the hinge-fit for the 2009 and 2010 calendar years.

In Column B (Lines 31 through 90), actual HDDs are shown for each year; these actual HDDs represent the “Y” variable in the regression analysis. In Column L, the “Hinge Factor” (the “X” variable) is shown. As can be seen, for the period 1951 through 1975, the hinge factor is equal to one. Beginning in 1976, the hinge factor is increased by one each year.

By use of a least-squares linear regression analysis, HDDs are predicted by an equation in the form of $Y = A + B * X$, where X and Y are the independent and dependent variables respectively. A is equal to a constant and B is equal to the “slope” (the change in HDD each year subsequent to 1975.)

Using the Microsoft Excel “Trend Function,” HDDs are predicted for each year shown in Column A. The Excel “Trend Function” returns the predicted value for a specified “X” value (Column L), and a set of independent (Column L) and dependent

Explanation of Hinge-Fit Analysis

(Column B) variables using a least squares linear regression. These predicted values are shown in Column C and Column D. The values in Column C are based on a linear regression of the entire data set (1951 through 2008). The values in Column C (Lines 27 through 90) are plotted on Schedule LWL 2, Sheets 1A, 1B, 3A, 3B, and 3C.

The values in Column D are based on a linear regression of the data set to date (1951 through the year shown in Column A). In Column E, the slope of the hinge line is shown. The slope varies each year because an additional “X” – “Y” set is added each year.

The values shown in Columns F through K represent differences between the predicted values shown in Columns C and D and the actual HDDs shown in Column B.

Missouri Gas Energy
Summary of Hinge Results

[A]		[B]	[C]	[D]	[E]	[F]	[G]	[H]
Line No.	Weather Station	Hinge-Fit					OCN	
		Residuals Correlation	Standard Error	Predicted			Years	HDDs
				1951 - 1975	Slope	2010		
				HDD	HDD/yr.	HDD	Years	HDD
1	Reported HDDs							
2	MCI	29.6%	405.71	5,234	(8.78)	4,927	20	5,013
3	Joplin	9.8%	288.35	4,309	(12.91)	3,857	10	3,894
4	Carrollton	26.1%	351.81	5,233	(5.92)	5,025	23	5,033
5	Lee's Summit	31.4%	480.65	4,933	5.67	5,131	30	5,078
6	Sedalia	56.3%	495.33	4,977	12.20	5,404	21	5,261
7	Springfield Airport	12.3%	330.16	4,651	(10.18)	4,294	14	4,409
8	St. Joseph	28.6%	432.87	5,440	(4.14)	5,296	33	5,436
9	Warrensburg	58.8%	507.02	4,841	9.84	5,185	24	5,023
10	8-Station Average	27.9%	367.98	4,952	(1.78)	4,890	47	4,956
11	KC - Downtown Airport	17.1%	341.65	4,790	(8.24)	4,502	17	4,616
12	9-Station Average	26.0%	361.80	4,934	(2.50)	4,847	40	4,955
13	Homogenized HDDs							
14	MCI	21.4%	364.17	5,176	(15.21)	4,643	12	4,694
15	Joplin	9.7%	300.13	4,091	(11.75)	3,680	11	3,694
16	Carrollton	26.4%	359.56	5,265	(14.35)	4,763	13	4,853
17	Lee's Summit	21.4%	348.68	5,388	(6.37)	5,165	21	5,228
18	Sedalia	26.5%	371.69	5,143	(9.97)	4,794	17	4,912
19	Springfield Airport	19.5%	336.51	4,450	(9.01)	4,135	16	4,225
20	St. Joseph	17.8%	390.60	5,379	(10.48)	5,012	16	5,169
21	Warrensburg	21.2%	342.84	5,098	(10.27)	4,738	15	4,838
22	8-Station Average	21.0%	339.28	4,999	(10.93)	4,616	14	4,708

Missouri Gas Energy
Average Difference Between Actual and "Normal" HDDs
Period Ended December 2008

Schedule LWL 2
Sheet 6

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]
Line No.	Weather Station	Average HDD	NOAA	Number of Years Included in Average						Hinge-Fit
				30	25	20	15	10	5	
1	MCI									
2	25-Year Period Ended December 2008									
3	Average	5,046	5,319	5,249	5,260	5,253	5,246	5,222	5,160	5,260
4	Actual Exceeds "Normal"		(273)	(204)	(214)	(207)	(200)	(177)	(114)	(214)
5	Percent		-5%	-4%	-4%	-4%	-4%	-4%	-2%	-4%
6	Number of Years		6	8	7	7	8	8	9	9
7	Percent		24%	32%	28%	28%	32%	32%	36%	36%
8	10-Year Period Ended December 2008									
9	Average	4,856	5,307	5,238	5,222	5,150	5,085	5,060	4,983	5,013
10	Actual Exceeds "Normal"		(451)	(382)	(367)	(295)	(229)	(204)	(127)	(158)
11	Percent		-9%	-8%	-8%	-6%	-5%	-4%	-3%	-3%
12	Number of Years		1	1	1	1	2	1	3	4
13	Percent		10%	10%	10%	10%	20%	10%	30%	40%
14	Joplin									
15	25-Year Period Ended December 2008									
16	Average	4,029	4,297	4,267	4,258	4,236	4,209	4,173	4,113	4,102
17	Actual Exceeds "Normal"		(269)	(238)	(229)	(208)	(180)	(144)	(84)	(74)
18	Percent		-7%	-6%	-6%	-5%	-4%	-4%	-2%	-2%
19	Number of Years		4	6	7	6	8	8	11	12
20	Percent		16%	24%	28%	24%	32%	32%	44%	48%
21	10-Year Period Ended December 2008									
22	Average	3,894	4,273	4,209	4,173	4,108	4,056	4,017	3,971	3,924
23	Actual Exceeds "Normal"		(379)	(315)	(279)	(214)	(162)	(123)	(77)	(30)
24	Percent		-10%	-8%	-7%	-6%	-4%	-3%	-2%	-1%
25	Number of Years		-	2	2	2	2	3	5	6
26	Percent		0%	20%	20%	20%	20%	30%	50%	60%

Missouri Gas Energy
Monthly Normal Degree Days
Hinge-Fit for CY 2010

Schedule LWL 2
Sheet 7

[A]

[B]

[C]

Line No.	Month	MCI	Joplin
1	January	1,048	861
2	February	863	686
3	March	605	469
4	April	335	236
5	May	100	59
6	June	7	3
7	July	0	0
8	August	1	1
9	September	56	35
10	October	284	204
11	November	626	475
12	December	1,003	828
13	Total	4,927	3,857

Line No.	[A] Description	[B] Normal	[C] 2005-2008	[D] 2006-2008	[E] 2007-2008	[F] 2008
1	Residential Class					
2	Sales District - Kansas City					
3	Weather Station - MCI					
4	Constant		9.026	9.019	7.750	7.172
5	Current Month's HDD		0.064	0.059	0.058	0.063
6	Previous Month's HDD		0.081	0.084	0.086	0.083
7	Trend		-	-	-	-
8	Adjusted R Squared		0.977	0.980	0.976	0.978
9	Standard Error of Estimate		8.503	8.002	9.325	9.560
10	F		996.903	839.850	476.532	249.645
11	Predicted Normal Use/Customer		821.69	813.50	805.99	805.60
12	Average HDD	4,927	4,837	4,856	5,258	5,590
13	Time Period Used			XXXXX		
14	Sales District - Joplin					
15	Weather Station - Joplin					
16	Constant		8.726	8.896	8.459	7.668
17	Current Month's HDD		0.071	0.069	0.065	0.072
18	Previous Month's HDD		0.080	0.081	0.089	0.089
19	Trend		-	-	-	-
20	Adjusted R Squared		0.981	0.981	0.983	0.987
21	Standard Error of Estimate		6.486	6.529	6.788	6.237
22	F		1,226.832	916.858	656.043	430.980
23	Predicted Normal Use/Customer		686.82	685.24	693.87	712.73
24	Average HDD	3,857	3,873	3,858	4,078	4,237
25	Time Period Used		XXXXX			
26	Sales District - St Joseph					
27	Weather Station - MCI					
28	Constant		9.515	9.428	7.613	6.757
29	Current Month's HDD		0.062	0.055	0.055	0.064
30	Previous Month's HDD		0.090	0.095	0.098	0.091
31	Trend		-	-	-	-
32	Adjusted R Squared		0.977	0.981	0.978	0.979
33	Standard Error of Estimate		8.880	8.166	9.495	9.986
34	F		1,006.336	892.656	511.732	259.019
35	Predicted Normal Use/Customer		862.31	853.82	843.28	846.38
36	Average HDD	4,927	4,837	4,856	5,258	5,590
37	Time Period Used			XXXXX		
38	Small General Service Class					
39	Sales District - Kansas City					
40	Weather Station - MCI					
41	Constant		40.441	40.989	39.517	39.947
42	Current Month's HDD		0.152	0.141	0.139	0.162
43	Previous Month's HDD		0.220	0.228	0.234	0.214
44	Trend		-	-	-	-
45	Adjusted R Squared		0.976	0.978	0.974	0.976
46	Standard Error of Estimate		22.421	21.643	25.313	26.213
47	F		947.180	762.568	428.078	221.005
48	Predicted Normal Use/Customer		2,317.80	2,307.29	2,308.13	2,335.50
49	Average HDD	4,927	4,837	4,856	5,258	5,590
50	Time Period Used			XXXXX		
51	Sales District - Joplin					
52	Weather Station - Joplin					
53	Constant		45.014	45.851	44.554	42.580
54	Current Month's HDD		0.166	0.156	0.149	0.166
55	Previous Month's HDD		0.216	0.225	0.244	0.248
56	Trend		-	-	-	-
57	Adjusted R Squared		0.970	0.970	0.970	0.975
58	Standard Error of Estimate		20.978	21.023	22.958	22.819
59	F		753.153	574.146	376.148	213.487
60	Predicted Normal Use/Customer		2,014.79	2,021.60	2,050.29	2,107.63
61	Average HDD	3,857	3,873	3,858	4,078	4,237
62	Time Period Used		XXXXX			
63	Sales District - St Joseph					
64	Weather Station - MCI					
65	Constant		36.406	36.879	33.603	29.535
66	Current Month's HDD		0.212	0.196	0.193	0.233
67	Previous Month's HDD		0.238	0.257	0.271	0.247
68	Trend		-	-	-	-
69	Adjusted R Squared		0.968	0.970	0.966	0.969
70	Standard Error of Estimate		31.309	31.027	36.072	37.812
71	F		711.355	559.051	326.851	172.701
72	Predicted Normal Use/Customer		2,656.06	2,675.15	2,687.56	2,721.70
73	Average HDD	4,927	4,837	4,856	5,258	5,590
74	Time Period Used			XXXXX		

Line No.	[A] Description	[B] Normal	[C] 2005-2008	[D] 2006-2008	[E] 2007-2008	[F] 2008
75	Large General Service Class					
76	Sales District - Kansas City					
77	Weather Station - MCI					
78	Constant		994.268	1,521.996	919.984	896.410
79	Current Month's HDD		3.192	3.111	3.291	3.360
80	Previous Month's HDD		3.542	3.674	3.238	3.153
81	Trend		-	(27.312)	-	-
82	Adjusted R Squared		0.945	0.950	0.987	0.989
83	Standard Error of Estimate		621.175	605.721	306.106	307.098
84	F		403.930	223.362	903.682	481.347
85	Predicted Normal Use/Customer		45,109.10	41,701.64	43,208.07	42,843.85
86	Average HDD	4,927	4,837	4,856	5,258	5,590
87	Time Period Used				XXXXX	
88	Sales District - Joplin					
89	Weather Station - Joplin					
90	Constant		5,065.857	5,542.841	6,123.923	2,322.305
91	Current Month's HDD		4.700	4.784	5.236	-
92	Previous Month's HDD		5.639	5.033	4.486	11.709
93	Trend		(36.715)	(69.777)	(164.891)	-
94	Adjusted R Squared		0.880	0.875	0.895	0.861
95	Standard Error of Estimate		1,206.861	1,214.884	1,239.189	1,664.446
96	F		116.361	82.535	66.363	69.420
97	Predicted Normal Use/Customer		81,945.79	78,837.87	74,379.68	73,029.30
98	Average HDD	3,857	3,873	3,858	4,078	4,237
99	Time Period Used		XXXXX			
100	Sales District - St Joseph					
101	Weather Station - MCI					
102	Constant		1,065.103	1,023.365	925.861	832.451
103	Current Month's HDD		1.799	1.543	1.326	1.947
104	Previous Month's HDD		5.313	5.629	6.030	5.501
105	Trend		-	-	-	-
106	Adjusted R Squared		0.973	0.971	0.969	0.966
107	Standard Error of Estimate		454.763	484.017	548.432	622.321
108	F		858.502	594.508	364.465	155.429
109	Predicted Normal Use/Customer		47,825.29	47,619.74	47,356.05	46,684.59
110	Average HDD	4,927	4,837	4,856	5,258	5,590
111	Time Period Used		XXXXX			
112	Large Volume Class					
113	Sales District - Kansas City					
114	Weather Station - MCI					
115	Constant		58,676.218	58,867.725	59,216.255	58,427.656
116	Current Month's HDD		12.541	10.390	10.227	17.852
117	Previous Month's HDD		4.971	6.440	6.224	-
118	Trend		-	-	-	-
119	Adjusted R Squared		0.830	0.829	0.819	0.842
120	Standard Error of Estimate		2,485.713	2,400.093	2,573.478	2,737.611
121	F		115.659	85.867	53.188	59.650
122	Predicted Normal Use/Customer		790,398.10	789,334.35	791,648.59	789,088.50
123	Average HDD	4,927	4,837	4,856	5,258	5,590
124	Time Period Used			XXXXX		
125	Sales District - Joplin					
126	Weather Station - Joplin					
127	Constant		27,813.416	24,517.029	23,546.256	23,657.084
128	Current Month's HDD		27.068	27.867	29.121	26.370
129	Previous Month's HDD		-	-	-	-
130	Trend		(101.423)	-	-	-
131	Adjusted R Squared		0.871	0.843	0.834	0.998
132	Standard Error of Estimate		4,247.616	4,910.187	5,780.664	606.973
133	F		160.026	189.101	116.185	4,434.430
134	Predicted Normal Use/Customer		386,436.90	401,689.06	394,873.29	385,595.19
135	Average HDD	3,857	3,873	3,858	4,078	4,237
136	Time Period Used					XXXXX
137	Sales District - St Joseph					
138	Weather Station - MCI					
139	Constant		31,179.429	40,536.335	51,459.116	48,000.483
140	Current Month's HDD		31.684	35.360	38.806	45.848
141	Previous Month's HDD		-	-	-	-
142	Trend		605.497	450.974	-	-
143	Adjusted R Squared		0.622	0.576	0.625	0.838
144	Standard Error of Estimate		12,008.863	13,024.955	13,246.985	9,145.006
145	F		39.734	24.772	39.288	57.833
146	Predicted Normal Use/Customer		839,061.05	825,713.04	808,704.14	801,897.82
147	Average HDD	4,927	4,837	4,856	5,258	5,590
148	Time Period Used					XXXXX

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]
Line No.	Rate Class	Sales District - Weather Station	2008 Month	HDD Current Month		HDD Previous Month			2008 # of bills	Throughput Adjustment
				Actual	Normal	Actual	Normal	Adjustment		
				HDD	HDD	HDD	HDD	Ccf/cust.		Ccf [H]x[I]
1	RES	Kansas City - MCI			0.059		0.084			
2			January	1,155	1,048	1,082	1,003	(12.90)	352,908	(4,554,224)
3			February	1,075	863	1,155	1,048	(21.46)	354,154	(7,598,509)
4			March	719	605	1,075	863	(24.56)	354,687	(8,710,891)
5			April	400	335	719	605	(13.47)	351,715	(4,738,496)
6			May	109	100	400	335	(6.05)	346,989	(2,100,741)
7			June	0	7	109	100	(0.39)	343,184	(134,394)
8			July	0	0	0	7	0.59	340,294	200,506
9			August	0	1	0	0	0.06	338,850	18,928
10			September	55	56	0	1	0.11	339,034	36,028
11			October	306	284	55	56	(1.24)	341,593	(423,241)
12			November	651	626	306	284	(3.36)	346,442	(1,165,419)
13			December	1,120	1,003	651	626	(9.00)	351,094	(3,161,297)
14			Total		5,590	4,927	5,552	4,927		4,160,944
15	RES	Joplin - Joplin			0.071		0.080			
16			January	880	861	866	828	(4.36)	67,377	(293,855)
17			February	814	686	880	861	(10.61)	67,632	(717,751)
18			March	509	469	814	686	(13.05)	67,489	(880,897)
19			April	309	236	509	469	(8.36)	66,677	(557,538)
20			May	68	59	309	236	(6.49)	65,574	(425,564)
21			June	0	3	68	59	(0.52)	64,709	(33,787)
22			July	0	0	0	3	0.25	64,306	16,054
23			August	0	1	0	0	0.06	64,159	3,628
24			September	21	35	0	1	1.08	64,301	69,392
25			October	211	204	21	35	0.63	64,814	40,708
26			November	547	475	211	204	(5.69)	66,195	(376,440)
27			December	878	828	547	475	(9.26)	67,248	(622,948)
28			Total		4,237	3,857	4,225	3,857		790,481
29	RES	St Joseph - MCI			0.055		0.095			
30			January	1,155	1,048	1,082	1,003	(13.37)	25,217	(337,252)
31			February	1,075	863	1,155	1,048	(21.87)	25,303	(553,349)
32			March	719	605	1,075	863	(26.41)	25,240	(666,560)
33			April	400	335	719	605	(14.46)	24,869	(359,601)
34			May	109	100	400	335	(6.71)	24,560	(164,836)
35			June	0	7	109	100	(0.51)	24,246	(12,480)
36			July	0	0	0	7	0.66	24,090	15,932
37			August	0	1	0	0	0.06	23,963	1,321
38			September	55	56	0	1	0.11	24,055	2,676
39			October	306	284	55	56	(1.16)	24,204	(27,980)
40			November	651	626	306	284	(3.51)	24,544	(86,202)
41			December	1,120	1,003	651	626	(8.88)	24,945	(221,492)
42			Total		5,590	4,927	5,552	4,927		295,236
43	SGS	Kansas City - MCI			0.141		0.228			
44			January	1,155	1,048	1,082	1,003	(32.91)	49,628	(1,633,150)
45			February	1,075	863	1,155	1,048	(54.08)	49,643	(2,684,476)
46			March	719	605	1,075	863	(64.29)	49,268	(3,167,373)
47			April	400	335	719	605	(35.22)	48,317	(1,701,695)
48			May	109	100	400	335	(16.20)	47,004	(761,360)
49			June	0	7	109	100	(1.19)	45,994	(54,628)
50			July	0	0	0	7	1.59	45,276	72,017
51			August	0	1	0	0	0.14	44,703	6,152
52			September	55	56	0	1	0.27	44,613	12,177
53			October	306	284	55	56	(2.94)	44,829	(131,672)
54			November	651	626	306	284	(8.62)	45,909	(395,881)
55			December	1,120	1,003	651	626	(22.18)	47,494	(1,053,202)
56			Total		5,590	4,927	5,552	4,927		562,678
57	SGS	Joplin - Joplin			0.166		0.216			
58			January	880	861	866	828	(11.30)	12,660	(143,056)
59			February	814	686	880	861	(25.40)	12,606	(320,204)
60			March	509	469	814	686	(34.27)	12,478	(427,583)
61			April	309	236	509	469	(20.73)	12,165	(252,188)
62			May	68	59	309	236	(17.31)	11,858	(205,247)
63			June	0	3	68	59	(1.49)	11,665	(17,396)
64			July	0	0	0	3	0.67	11,502	7,752
65			August	0	1	0	0	0.13	11,403	1,523
66			September	21	35	0	1	2.55	11,374	28,985
67			October	211	204	21	35	1.89	11,442	21,585
68			November	547	475	211	204	(13.53)	11,827	(159,973)
69			December	878	828	547	475	(23.77)	12,223	(290,550)
70			Total		4,237	3,857	4,225	3,857		143,203

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]
Line No.	Rate Class	Sales District - Weather Station	2008 Month	HDD Current Month		HDD Previous Month			2008 # of bills	Throughput Adjustment
				Actual	Normal	Actual	Normal	Adjustment		
				HDD	HDD	HDD	HDD	Ccf/cust.		Ccf [H]x[I]
71	SGS	St Joseph - MCI			0.196		0.257			
72			January	1,155	1,048	1,082	1,003	(41.12)	3,551	(146,004)
73			February	1,075	863	1,155	1,048	(68.90)	3,550	(244,598)
74			March	719	605	1,075	863	(76.83)	3,547	(272,533)
75			April	400	335	719	605	(42.19)	3,454	(145,723)
76			May	109	100	400	335	(18.64)	3,389	(63,181)
77			June	0	7	109	100	(1.09)	3,390	(3,684)
78			July	0	0	0	7	1.80	3,356	6,049
79			August	0	1	0	0	0.18	3,327	606
80			September	55	56	0	1	0.34	3,302	1,112
81			October	306	284	55	56	(4.14)	3,310	(13,693)
82			November	651	626	306	284	(10.68)	3,372	(36,012)
83			December	1,120	1,003	651	626	(29.36)	3,449	(101,251)
84				Total		5,590	4,927	5,552	4,927	
85	LGS	Kansas City - MCI			3.291		3.238			
86			January	1,155	1,048	1,082	1,003	(605.70)	248	(150,213)
87			February	1,075	863	1,155	1,048	(1,042.04)	246	(256,341)
88			March	719	605	1,075	863	(1,061.32)	247	(262,145)
89			April	400	335	719	605	(584.82)	243	(142,111)
90			May	109	100	400	335	(242.38)	242	(58,657)
91			June	0	7	109	100	(7.98)	244	(1,946)
92			July	0	0	0	7	22.81	244	5,565
93			August	0	1	0	0	2.89	245	707
94			September	55	56	0	1	4.88	245	1,195
95			October	306	284	55	56	(70.39)	243	(17,104)
96			November	651	626	306	284	(155.42)	244	(37,922)
97			December	1,120	1,003	651	626	(465.82)	245	(114,127)
98				Total		5,590	4,927	5,552	4,927	
99	LGS	Joplin - Joplin			4.700		5.639			
100			January	880	861	866	828	(301.82)	31	(9,356)
101			February	814	686	880	861	(709.27)	32	(22,697)
102			March	509	469	814	686	(908.65)	30	(27,260)
103			April	309	236	509	469	(567.45)	32	(18,158)
104			May	68	59	309	236	(455.04)	32	(14,561)
105			June	0	3	68	59	(37.80)	32	(1,209)
106			July	0	0	0	3	17.60	31	546
107			August	0	1	0	0	3.76	31	116
108			September	21	35	0	1	71.71	31	2,223
109			October	211	204	21	35	46.58	31	1,444
110			November	547	475	211	204	(379.04)	30	(11,371)
111			December	878	828	547	475	(638.29)	31	(19,787)
112				Total		4,237	3,857	4,225	3,857	
113	LGS	St Joseph - MCI			1.799		5.313			
114			January	1,155	1,048	1,082	1,003	(609.43)	27	(16,455)
115			February	1,075	863	1,155	1,048	(948.09)	26	(24,650)
116			March	719	605	1,075	863	(1,329.88)	27	(35,907)
117			April	400	335	719	605	(724.68)	27	(19,566)
118			May	109	100	400	335	(363.64)	27	(9,818)
119			June	0	7	109	100	(37.85)	27	(1,022)
120			July	0	0	0	7	36.85	26	958
121			August	0	1	0	0	2.14	26	56
122			September	55	56	0	1	5.22	26	136
123			October	306	284	55	56	(35.75)	26	(930)
124			November	651	626	306	284	(163.46)	26	(4,250)
125			December	1,120	1,003	651	626	(344.82)	26	(8,965)
126				Total		5,590	4,927	5,552	4,927	
127	LV	Kansas City - MCI			10.390		6.440			
128			January	1,155	1,048	1,082	1,003	(605.70)	355	(215,023)
129			February	1,075	863	1,155	1,048	(1,042.04)	354	(368,880)
130			March	719	605	1,075	863	(1,061.32)	354	(375,706)
131			April	400	335	719	605	(584.82)	354	(207,025)
132			May	109	100	400	335	(242.38)	354	(85,804)
133			June	0	7	109	100	(7.98)	355	(2,832)
134			July	0	0	0	7	22.81	352	8,028
135			August	0	1	0	0	2.89	356	1,028
136			September	55	56	0	1	4.88	356	1,737
137			October	306	284	55	56	(70.39)	356	(25,058)
138			November	651	626	306	284	(155.42)	355	(55,174)
139			December	1,120	1,003	651	626	(465.82)	354	(164,901)
140				Total		5,590	4,927	5,552	4,927	

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]
Line No.	Rate Class	Sales District - Weather Station	2008 Month	HDD Current Month		HDD Previous Month			2008 # of bills	Throughput Adjustment
				Actual	Normal	Actual	Normal	Adjustment		
				HDD	HDD	HDD	HDD	Ccf/cust.		Ccf [H]x[I]
141	LV	Joplin - Joplin			26.370		0.000			
142			January	880	861	866	828	(301.82)	99	(29,880)
143			February	814	686	880	861	(709.27)	98	(69,509)
144			March	509	469	814	686	(908.65)	99	(89,957)
145			April	309	236	509	469	(567.45)	99	(56,177)
146			May	68	59	309	236	(455.04)	100	(45,504)
147			June	0	3	68	59	(37.80)	100	(3,780)
148			July	0	0	0	3	17.60	100	1,760
149			August	0	1	0	0	3.76	100	376
150			September	21	35	0	1	71.71	101	7,243
151			October	211	204	21	35	46.58	101	4,704
152			November	547	475	211	204	(379.04)	101	(38,284)
153			December	878	828	547	475	(638.29)	101	(64,468)
154		Total		4,237	3,857	4,225	3,857		1,199	(383,475)
155	LV	St Joseph - MCI			45.848		0.000			
156			January	1,155	1,048	1,082	1,003	(609.43)	40	(24,377)
157			February	1,075	863	1,155	1,048	(948.09)	41	(38,872)
158			March	719	605	1,075	863	(1,329.88)	41	(54,525)
159			April	400	335	719	605	(724.68)	41	(29,712)
160			May	109	100	400	335	(363.64)	41	(14,909)
161			June	0	7	109	100	(37.85)	41	(1,552)
162			July	0	0	0	7	36.85	41	1,511
163			August	0	1	0	0	2.14	41	88
164			September	55	56	0	1	5.22	41	214
165			October	306	284	55	56	(35.75)	41	(1,466)
166			November	651	626	306	284	(163.46)	41	(6,702)
167			December	1,120	1,003	651	626	(344.82)	41	(14,138)
168		Total		5,590	4,927	5,552	4,927		491	(184,440)
169							RES	Summer	432,312	(8,573,484)
170								Winter	444,095	(29,947,084)
171							SGS	Summer	60,810	(3,192,509)
172								Winter	64,241	(11,075,844)
173							LGS	Summer	302	(272,137)
174								Winter	303	(1,001,447)
175							LVS	Summer	496	(447,130)
176								Winter	495	(1,610,395)
177							Total Adjustment			(56,120,031)

Missouri Gas Energy
Calculation of Weather Normalization Adjustment

Schedule LWL 4
Sheet 4

Line No.	[A] Description	[B] [C] [D] Per Books Deliveries			[E] [F] [G] Adjustment to Deliveries			[H] [I] Margin Existing Rates		[J] Adjustment to Margin Revenues
		Total	First Step	Balance	Total	First Step	Balance	First Step	Balance	
		Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	\$/Ccf	\$/Ccf	
1	Residential									
2	Summer	90,531,165	90,531,165		(8,573,484)	(8,573,484)		-		-
3	Winter	300,613,773	300,613,773		(29,947,084)	(29,947,084)		-		-
4	Total Residential	391,144,938	391,144,938	-	(38,520,568)	(38,520,568)	-			-
5	Small General Service									
6	Sales									
7	Summer	40,320,616	27,236,873	13,083,743	(3,067,662)	(2,072,228)	(995,434)	0.12297	0.11103	(365,345)
8	Winter	112,975,577	63,613,876	49,361,701	(10,783,535)	(6,071,954)	(4,711,582)	0.17950	0.16752	(1,879,200)
9	Total Sales	153,296,193	90,850,749	62,445,444	(13,851,197)	(8,144,182)	(5,707,015)			(2,244,545)
10	Transportation									
11	Summer	1,891,907	1,108,483	783,424	(124,847)	(73,149)	(51,698)	0.12697	0.11503	(15,235)
12	Winter	7,251,275	1,724,378	5,526,897	(292,309)	(69,512)	(222,797)	0.18350	0.17152	(50,970)
13	Total Transportation	9,143,182	2,832,861	6,310,321	(417,156)	(142,661)	(274,495)			(66,204)
14	Total Small General Service	162,439,375	93,683,610	68,755,765	(14,268,353)	(8,286,843)	(5,981,510)			(2,310,749)
15	Large General Service									
16	Sales									
17	Summer	4,088,916	4,088,916		(252,466)	(252,466)		0.08892		(22,449)
18	Winter	9,707,541	9,707,541		(890,758)	(890,758)		0.14498		(129,142)
19	Total Sales	13,796,457	13,796,457	-	(1,143,224)	(1,143,224)	-			(151,591)
20	Transportation									
21	Summer	318,595	318,595		(19,671)	(19,671)		0.09292		(1,828)
22	Winter	1,206,288	1,206,288		(110,688)	(110,688)		0.14898		(16,490)
23	Total Transportation	1,524,883	1,524,883	-	(130,360)	(130,360)	-			(18,318)
24	Total Large General Service	15,321,340	15,321,340	-	(1,273,584)	(1,273,584)	-			(169,910)
25	Large Volume									
26	Sales									
27	Summer	951,890	764,050	187,840	(3,364)	(2,700)	(664)	0.03294	0.02174	(103)
28	Winter	1,881,270	1,061,180	820,090	(21,911)	(12,359)	(9,551)	0.05209	0.04088	(1,034)
29	Total Sales	2,833,160	1,825,230	1,007,930	(25,275)	(15,060)	(10,215)			(1,138)
30	Transportation									
31	Summer	125,562,200	39,248,330	86,313,870	(443,766)	(138,713)	(305,053)	0.03231	0.02093	(10,867)
32	Winter	136,389,663	40,896,988	95,492,675	(1,588,485)	(476,314)	(1,112,171)	0.05118	0.03801	(66,651)
33	Total Transportation	261,951,863	80,145,318	181,806,545	(2,032,251)	(615,026)	(1,417,225)			(77,518)
34	Total Large Volume	264,785,023	81,970,548	182,814,475	(2,057,526)	(630,086)	(1,427,440)			(78,656)
35	Grand Total	833,690,676	582,120,436	251,570,240	(56,120,031)	(48,711,081)	(7,408,950)			(2,559,314)

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]	[K]	[L]	[M]	[N]	[O]	[P]	[Q]
Line No.	Description	Number of Meters Billed				Per Books Sales				Weather Normalization Adjustment				Normalized Sales			
		RES	SGS	LGS	LV	RES	SGS	LGS	LV	RES	SGS	LGS	LV	RES	SGS	LGS	LV
						Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf
1	NORMALIZED																
2	Dec-07	441,504	64,560	309	493												
3	Jan-08	445,502	65,839	306	494	74,909,488	30,283,472	2,710,852	31,942,810	(5,185,331)	(1,922,210)	(176,024)	(269,280)	69,724,157	28,361,262	2,534,828	31,673,530
4	Feb-08	447,089	65,799	304	493	78,479,630	31,631,828	2,778,427	29,817,220	(8,869,609)	(3,249,278)	(303,688)	(477,261)	69,610,021	28,382,550	2,474,739	29,339,959
5	Mar-08	447,416	65,293	304	494	60,929,459	24,569,018	2,139,570	25,572,043	(10,258,347)	(3,867,488)	(325,312)	(520,188)	50,671,112	20,701,530	1,814,258	25,051,855
6	Apr-08	443,261	63,936	302	494	35,710,049	14,194,725	1,356,300	21,793,670	(5,655,634)	(2,099,607)	(179,835)	(292,914)	30,054,415	12,095,118	1,176,465	21,500,756
7	May-08	437,123	62,251	301	495	18,250,951	7,839,739	817,917	18,247,090	(2,691,140)	(1,029,788)	(83,037)	(146,218)	15,559,811	6,809,951	734,880	18,100,872
8	Jun-08	432,139	61,049	303	496	8,228,527	4,355,283	461,358	16,497,830	(180,661)	(75,708)	(4,178)	(8,163)	8,047,866	4,279,575	457,180	16,489,667
9	Jul-08	428,690	60,134	301	493	6,785,804	3,738,841	408,717	16,987,920	232,493	85,818	7,069	11,299	7,018,297	3,824,659	415,786	16,999,219
10	Aug-08	426,972	59,433	302	497	6,040,099	3,524,998	375,279	16,542,530	23,876	8,281	880	1,491	6,063,975	3,533,279	376,159	16,544,021
11	Sep-08	427,390	59,289	302	498	6,968,230	4,034,692	447,283	16,641,230	108,096	42,275	3,554	9,194	7,076,326	4,076,967	450,837	16,650,424
12	Oct-08	430,611	59,581	300	498	8,547,505	4,524,245	540,657	19,803,820	(410,514)	(123,779)	(16,590)	(21,820)	8,136,991	4,400,466	524,067	19,782,000
13	Nov-08	437,181	61,108	300	497	25,132,268	10,022,449	1,073,931	22,507,280	(1,628,060)	(591,865)	(53,544)	(100,159)	23,504,208	9,430,584	1,020,387	22,407,121
14	Dec-08	443,287	63,166	302	496	61,162,928	23,720,085	2,211,049	28,431,580	(4,005,736)	(1,445,003)	(142,879)	(243,507)	57,157,192	22,275,082	2,068,170	28,188,073
	Total 2008	5,246,661	746,878	3,627	5,945	391,144,938	162,439,375	15,321,340	264,785,023	(38,520,568)	(14,268,353)	(1,273,584)	(2,057,526)	352,624,370	148,171,022	14,047,756	262,727,498
15	Change Dec-07 to Dec-08	1,783	(1,394)	(7)	3												
16	USE PER CUSTOMER - CCF/CUSTOMER																
17	Jan-08													157	431	8,284	64,116
18	Feb-08													156	431	8,141	59,513
19	Mar-08													113	317	5,968	50,712
20	Apr-08													68	189	3,896	43,524
21	May-08													36	109	2,441	36,567
22	Jun-08													19	70	1,509	33,245
23	Jul-08													16	64	1,381	34,481
24	Aug-08													14	59	1,246	33,288
25	Sep-08													17	69	1,493	33,435
26	Oct-08													19	74	1,747	39,723
27	Nov-08													54	154	3,401	45,085
28	Dec-08													129	353	6,848	56,831
29	ANNUALIZATION ADJUSTMENT																
30	Jan-08	1,659	(1,297)	(7)	3									259,645	(558,705)	(57,986)	192,349
31	Feb-08	1,516	(1,185)	(6)	3									236,035	(511,152)	(48,844)	178,539
32	Mar-08	1,362	(1,065)	(5)	2									154,250	(337,665)	(29,840)	101,425
33	Apr-08	1,213	(949)	(5)	2									82,245	(179,527)	(19,478)	87,048
34	May-08	1,060	(829)	(4)	2									37,732	(90,688)	(9,766)	73,135
35	Jun-08	911	(712)	(4)	2									16,966	(49,912)	(6,035)	66,491
36	Jul-08	758	(592)	(3)	1									12,410	(37,653)	(4,144)	34,481
37	Aug-08	604	(472)	(2)	1									8,578	(28,060)	(2,491)	33,288
38	Sep-08	456	(356)	(2)	1									7,550	(24,480)	(2,986)	33,435
39	Oct-08	302	(236)	(1)	1									5,707	(17,430)	(1,747)	39,723
40	Nov-08	154	(120)	(1)	-									8,280	(18,519)	(3,401)	-
41	Dec-08	-	-	-	-									-	-	-	-
42	Total	9,995	(7,813)	(40)	18									829,398	(1,853,791)	(186,718)	839,914
43	ANNUALIZED/NORMALIZED																
44	Jan-08	447,161	64,542	299	497									69,983,802	27,802,557	2,476,842	31,865,879
45	Feb-08	448,605	64,614	298	496									69,846,056	27,871,398	2,425,895	29,518,498
46	Mar-08	448,778	64,228	299	496									50,825,362	20,363,865	1,784,418	25,153,280
47	Apr-08	444,474	62,987	297	496									30,136,660	11,915,591	1,156,987	21,587,804
48	May-08	438,183	61,422	297	497									15,597,543	6,719,263	725,114	18,174,007
49	Jun-08	433,050	60,337	299	498									8,064,832	4,229,663	451,145	16,556,158
50	Jul-08	429,448	59,542	298	494									7,030,707	3,787,006	411,642	17,033,700
51	Aug-08	427,576	58,961	300	498									6,072,553	3,505,219	373,668	16,577,309
52	Sep-08	427,846	58,933	300	499									7,083,876	4,052,487	447,851	16,683,859
53	Oct-08	430,913	59,345	299	499									8,142,698	4,383,036	522,320	19,821,723
54	Nov-08	437,335	60,988	299	497									23,512,488	9,412,065	1,016,986	22,407,121
55	Dec-08	443,287	63,166	302	496									57,157,192	22,275,082	2,068,170	28,188,073
56	Total	5,256,656	739,065	3,587	5,963									353,453,768	146,317,231	13,861,038	263,567,412

[A]		[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]	[K]	[L]	[M]
Line No.	Description	Number of Meters		Weather Normalized Deliveries			Annualization Adjustment to Deliveries			Margin Existing Rates			Adjustment to Margin Revenues
		Per Books	Annualization Adjustment	Total	First Step	Balance	Total	First Step	Balance	Cust Charge	First Step	Balance	
				Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	\$/Meter	\$/Ccf	
1	Residential												
2	Summer	3,026,186	5,304	81,957,681	81,957,681	-	171,188	171,188		24.62	-		130,584
3	Winter	2,220,475	4,691	270,666,689	270,666,689	-	658,210	658,210		24.62	-		115,492
4	Total Residential	5,246,661	9,995	352,624,370	352,624,370	-	829,398	829,398	-				246,077
5	Small General Service												
6	Sales												
7	Summer	420,813	(4,099)	37,252,954	25,164,645	12,088,309	(114,274)	(77,193)	(37,081)	18.39	0.12297	0.11103	(88,984)
8	Winter	317,762	(3,628)	102,192,042	57,541,922	44,650,119	(313,476)	(176,511)	(136,965)	18.39	0.17950	0.16752	(121,341)
9	Total Sales	738,575	(7,726)	139,444,996	82,706,567	56,738,429	(427,750)	(253,704)	(174,046)				(210,325)
10	Transportation												
11	Summer	4,860	(47)	1,767,060	1,035,334	731,726	(288,780)	(169,198)	(119,581)	18.39	0.12697	0.11503	(36,109)
12	Winter	3,443	(39)	6,958,966	1,654,866	5,304,100	(1,137,261)	(270,445)	(866,817)	18.39	0.18350	0.17152	(199,026)
13	Total Transportation	8,303	(87)	8,726,026	2,690,200	6,035,826	(1,426,041)	(439,643)	(986,398)				(235,135)
14	Total Small General Service	746,878	(7,813)	148,171,022	85,396,767	62,774,255	(1,853,791)	(693,347)	(1,160,444)				(445,460)
15	Large General Service												
16	Sales												
17	Summer	1,887	(19)	3,836,450	3,836,450	-	(14,143)	(14,143)	-	108.91	0.08892		(3,302)
18	Winter	1,359	(17)	8,816,783	8,816,783	-	(32,504)	(32,504)	-	108.91	0.14498		(6,567)
19	Total Sales	3,246	(36)	12,653,233	12,653,233	-	(46,647)	(46,647)	-				(9,869)
20	Transportation												
21	Summer	224	(2)	298,924	298,924	-	(30,025)	(30,025)	-	108.91	0.09292		(3,033)
22	Winter	157	(2)	1,095,600	1,095,600	-	(110,046)	(110,046)	-	108.91	0.14898		(16,609)
23	Total Transportation	381	(4)	1,394,523	1,394,523	-	(140,071)	(140,071)	-				(19,642)
24	Total Large General Service	3,627	(40)	14,047,756	14,047,756	-	(186,718)	(186,718)	-				(29,511)
25	Large Volume												
26	Sales												
27	Summer	77	0	948,526	761,350	187,176	124,179	99,674	24,505	860.95	0.03294	0.02174	4,007
28	Winter	55	0	1,859,359	1,048,821	810,539	243,422	137,309	106,114	860.95	0.05209	0.04088	11,643
29	Total Sales	132	0	2,807,885	1,810,170	997,715	367,601	236,983	130,618				15,650
30	Transportation												
31	Summer	3,394	10	125,118,434	39,109,617	86,008,817	227,359	71,068	156,291	761.24	0.03231	0.02093	13,011
32	Winter	2,419	8	134,801,179	40,420,675	94,380,504	244,954	73,450	171,504	763.48	0.05118	0.03801	16,250
33	Total Transportation	5,813	18	259,919,612	79,530,292	180,389,320	472,313	144,518	327,795				29,261
34	Total Large Volume	5,945	18	262,727,498	81,340,462	181,387,035	839,914	381,501	458,413				44,911
35	Grand Total	6,003,111	2,160	777,570,645	533,409,356	244,161,290	(371,197)	330,835	(702,032)				(183,983)

Missouri Gas Energy
Calculation of Reconciliation Adjustment

[A]		[B]	[C]	[D]	[E]	[F]
Line No.	Description	Per Books Margin Revenue	Margin Adjustment		Normalized & Annualized Margin	Calculated Margin
			Weather Adjustment	Customer Annualization		
		\$	\$	\$	\$	\$
1	Residential	130,103,150	-	246,077	130,349,227	129,419,250
2	Small General Service					
3	Sales	38,897,593	(2,244,545)	(210,325)	36,442,723	35,474,848
4	Transportation	1,680,545	(66,204)	(235,135)	1,379,206	1,495,078
5	Total SGS	40,578,138	(2,310,749)	(445,460)	37,821,929	36,969,926
6	Large General Service					
7	Sales	2,161,241	(151,591)	(9,869)	1,999,780	2,000,874
8	Transportation	257,823	(18,318)	(19,642)	219,863	174,154
9	Total LGS	2,419,064	(169,910)	(29,511)	2,219,643	2,175,027
10	Large Volume					
11	Sales	246,360	(1,138)	15,650	260,873	231,699
12	Transportation	13,193,133	(77,518)	29,261	13,144,876	13,181,602
13	Total Large Volume	13,439,493	(78,656)	44,911	13,405,749	13,413,301
14	Total 2008 Per Books	186,539,845	(2,559,314)	(183,983)	183,796,548	181,977,504
15	Final Bill Margin					2,482,884
16	Calculated Margin Adjusted for Final Bills					184,460,388
	Variance with Per Books Margin					(663,840)
	Reconciliation Adjustment					
	Variance with Per Books Margin					(663,840)
	Final Bill Margin					2,482,884
	Net Reconciliation Adjustment					1,819,044
	Percentage Adjustment					0.98%

Missouri Gas Energy
Calculation of Proforma Margin Revenues Under Existing Rates

Schedule LWL 7

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]	[K]	[L]	[M]	[N]
Line No.	Rate Class	Rate Code	Season	Annualized/Normalized Billing Units			Present Rates			Pro Forma Margin Revenue Under Present Rates				
				Number of Meters Billed	Throughput		Customer Charge	Volumetric Delivery Charge		Customer Charge	Volumetric Delivery Charge	Total Margin	Reconciliation Adjustment	Adjusted Total
					First Step	Balance Step		First Step	Balance Step					
					Ccf	Ccf	\$/Meter Billed	\$/Ccf	\$/Ccf	\$	\$	\$	\$	\$
1	Residential													
2	608,618	All		5,256,656	353,453,768		24.62	-		129,418,871	-	129,418,871		
3	623 - UGL	All		103			3.68			379	-	379		
	Total RES			5,256,759	353,453,768	-				129,419,250	-	129,419,250	1,262,032	130,681,282
4	Small General Service													
5	601,602,611	Summer		416,714	24,900,966	11,961,646	18.39	0.12297	0.11103	7,663,377	4,390,173	12,053,550		
6	612,653,654	Winter		314,134	56,998,936	44,228,785	18.39	0.17950	0.16752	5,776,930	17,640,515	23,417,445		
7	623 - UGL			1,047			3.68			3,853	-	3,853		
8	673,674	Summer		4,813	1,013,417	716,235	18.39	0.12697	0.11503	88,505	211,062	299,567		
9		Winter		3,404	1,545,067	4,952,178	18.39	0.18350	0.17152	62,594	1,132,917	1,195,511		
10	Total SGS			740,112	84,458,386	61,858,845				13,595,258	23,374,668	36,969,926	360,512	37,330,439
11	Large General Service													
12	603,613,622	Summer		1,868	3,793,175		108.91	0.08892		203,469	337,289	540,758		
13	645,652	Winter		1,338	9,065,924		108.91	0.14498		145,738	1,314,378	1,460,116		
14	693,694	Summer		222	295,552		108.91	0.09292		24,153	27,463	51,616		
15		Winter		159	706,387		108.91	0.14898		17,300	105,238	122,538		
16	Total LGS			3,587	13,861,038					390,660	1,784,367	2,175,027	21,210	2,196,237
17	Large Volume													
18	680	Summer		77	764,050	187,840	860.95	0.03294	0.02174	66,293	29,251	95,545		
19		Winter		55	1,061,180	820,090	860.95	0.05209	0.04088	47,352	88,802	136,154		
20	Trans	Summer		3,404	37,919,157	87,563,514	761.24	0.03231	0.02093	2,591,261	3,057,872	5,649,133		
21		Winter		2,427	40,895,216	94,356,365	763.48	0.05118	0.03801	1,852,966	5,679,503	7,532,469		
22	Total LV			5,963	80,639,602	182,927,809				4,557,872	8,855,428	13,413,301	130,800	13,544,101
23	Grand Total			6,006,318	532,412,794	244,786,654				147,963,041	34,014,464	181,977,504	1,774,554	183,752,058