

Union Electric Company d/b/a AmerenUE

Case No. GR-2003-0517

Testimonies Submitted by James A. Gray

<u>COMPANY</u>	<u>CASE NO.</u>
Missouri Public Service Company	GR-81-312
Missouri Public Service Company	ER-82-39
Missouri Public Service Company	GR-82-194
Laclede Gas Company	GR-82-200
St. Louis County Water Company	WR-82-249
Missouri Public Service Company	ER-83-40
Kansas City Power & Light Company	ER-83-49
Osage Natural Gas Company	GR-83-156
Missouri Public Service Company	GR-83-186
The Gas Service Company	GR-83-225
Laclede Gas Company	GR-83-233
Missouri Water Company	WR-83-352
Missouri Cities Water Company	WR-84-51
Le-Ru Telephone Company	TR-84-132
Union Electric Company	ER-84-168
Union Electric Company	EO-85-17
Kansas City Power & Light Company	ER-85-128
Great River Gas Company	GR-85-136

Missouri Cities Water Company	WR-85-157
Missouri Cities Water Company	SR-85-158
United Telephone Company of Missouri	TR-85-179
Osage Natural Gas Company	GR-85-183
Kansas City Power & Light Company	EO-85-185
ALLTEL Missouri, Inc.	TR-86-14
Sho-Me Power Corporation	ER-86-27
Missouri-American Water Company, Inc.	WR-89-265
The Empire District Electric Company	ER-90-138
Associated Natural Gas Company	GR-90-152
Missouri-American Water Company, Inc.	WR-91-211
United Cities Gas Company	GR-91-249
Laclede Gas Company	GR-92-165
St. Joseph Light & Power Company	GR-93-42
United Cities Gas Company	GR-93-47
Missouri Public Service Company	GR-93-172
Western Resources, Inc.	GR-93-240
Laclede Gas Company	GR-94-220
United Cities Gas Company	GR-95-160
The Empire District Electric Company	ER-95-279
Laclede Gas Company	GR-96-193
Missouri Gas Energy	GR-96-285
Associated Natural Gas Company	GR-97-272

Union Electric Company	GR-97-393
Missouri Gas Energy	GR-98-140
Laclede Gas Company	GR-98-374
St. Joseph Light & Power Company	GR-99-42
AmerenUE	GA-99-107
Laclede Gas Company	GA-99-236
Laclede Gas Company	GR-99-315
AmerenUE	GR-2000-512
Missouri Gas Energy	GR-2001-292
Gateway Pipeline Company, Inc., et al.	GM-2001-585
Missouri Gas Energy, et al	GC-2001-593
Laclede Gas Company	GR-2002-356
Laclede Gas Company	GA-2002-429
Southern Missouri Gas Company, L.P.	GT-2003-0031
Laclede Gas Company	GT-2003-0032
Missouri Gas Energy	GT-2003-0033
Fidelity Natural Gas, Inc.	GT-2003-0036
Atmos Energy Corporation	GT-2003-0037
Aquila Networks- L&P	GT-2003-0038
Aquila Networks- MPS	GT-2003-0039
AmerenUE	GT-2003-0034

Meter Read Dates by Billing Cycle

Applicable to All Firm Customer Classes

December 2002						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 Cycle 4 Read December Billing Month	3 Cycle 5 Read December Billing Month	4 Cycle 6 Read December Billing Month	5 Cycle 7 Read December Billing Month	6 Cycle 8 Read December Billing Month	7
8	9 Cycle 9 Read December Billing Month	10 Cycle 10 Read December Billing Month	11 Cycle 11 Read December Billing Month	12 Cycle 12 Read December Billing Month	13 Cycle 13 Read December Billing Month	14
15	16 Cycle 14 Read December Billing Month	17 Cycle 15 Read December Billing Month	18 Cycle 16 Read December Billing Month	19 Cycle 17 Read December Billing Month	20 Cycle 18 Read December Billing Month	21
22	23 Cycle 19 Read December Billing Month	24 Holiday	25 Holiday	26 Cycle 20 Read December Billing Month	27 Cycle 21 Read December Billing Month Ends	28
29	30 Cycle 1 Read January Billing Month Begins	31 Cycle 2 Read				

January 2003						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 Holiday	2 Cycle 3 Read	3 Cycle 4 Read	4
5	6 Cycle 5 Read	7 Cycle 6 Read	8 Cycle 7 Read	9 Cycle 8 Read	10 Cycle 9 Read	11
12	13 Cycle 10 Read	14 Cycle 11 Read	15 Cycle 12 Read	16 Cycle 13 Read	17 Cycle 14 Read	18
19	20 Cycle 15 Read	21 Cycle 16 Read	22 Cycle 17 Read	23 Cycle 18 Read	24 Cycle 19 Read	25
26	27 Cycle 20 Read	28 Cycle 21 Read January Billing Month Ends	29 Cycle 1 Read February Billing Month Begins	30 Cycle 2 Read February Billing Month	31 Cycle 3 Read February Billing Month	

Note: January Billing Month Starts December 30, 2002, and ends January 28, 2003

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Total Customers, Usage in Ccf, and Heating Degree Days by Billing Cycle

AmerenUE Division's NGPL/TET General Service

December 2002

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 Cycle 4 Cust = 106 Ccf = 133,766 Heat deg day = 696	2 Cycle 5 Cust = 203 Ccf = 55,310 Heat deg day = 704.5	3 Cycle 6 Cust = 168 Ccf = 47,991 Heat deg day = 667.5	4 Cycle 7 Cust = 133 Ccf = 55,856 Heat deg day = 698	5 Cycle 8 Cust = 307 Ccf = 139,414 Heat deg day = 726.5	6	7
8 Cycle 9 Cust = 70 Ccf = 15,326 Heat deg day = 821	9 Cycle 10 Cust = 70 Ccf = 12,532 Heat deg day = 842.5	10 Cycle 11 Cust = 190 Ccf = 53,226 Heat deg day = 848.5	11 Cycle 12 Cust = 118 Ccf = 38,272 Heat deg day = 853	12 Cycle 13 Cust = 1,490 Ccf = 2,395,337 Heat deg day = 1,437.5	13	14
15 Cycle 14 Cust = 89 Ccf = 25,193 Heat deg day = 920.5	16 Cycle 15 Cust = 152 Ccf = 32,922 Heat deg day = 908.5	17 Cycle 16 Cust = 52 Ccf = 33,892 Heat deg day = 842	18 Cycle 17 Cust = 100 Ccf = 39,333 Heat deg day = 839.5	19 Cycle 18 Cust = 264 Ccf = 131,284 Heat deg day = 842.5	20	21
22 Cycle 19 Cust = 100 Ccf = 17,879 Heat deg day = 905	23 Holiday	24 Holiday	25 Cycle 20 Cust = 91 Ccf = 40,550 Heat deg day = 997	26 Cycle 21 Cust = 66 Ccf = 15,942 Heat deg day = 967	27	28
29 Cycle 1 Cust = 241 Ccf = 116,033 Heat deg day = 1,000	30 Cycle 2 Cust = 220 Ccf = 100,042 Heat deg day = 984.5	31				

January 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	10 Holiday		1 Holiday	2 Cycle 3 Cust = <u>27</u> Ccf = 11,961 Heat deg day = 989.5	2 Cycle 4 Cust = 108 Ccf = 139,926 Heat deg day = 939	3
5 Cycle 5 Cust = 207 Ccf = 101,845 Heat deg day = 992.5	6 Cycle 6 Cust = 170 Ccf = 91,557 Heat deg day = 988	7 Cycle 7 Cust = 135 Ccf = 87,373 Heat deg day = 959	8 Cycle 8 Cust = <u>305</u> Ccf = 223,488 Heat deg day = 931	9 Cycle 9 Cust = 73 Ccf = 24,129 Heat deg day = <u>852.5</u>	9	10
12 Cycle 10 Cust = 71 Ccf = 18,538 Heat deg day = 934.5	13 Cycle 11 Cust = 191 Ccf = 77,290 Heat deg day = 942.5	14 Cycle 12 Cust = 118 Ccf = 35,412 Heat deg day = 953.5	15 Cycle 13 Cust = 64 Ccf = 19,576 Heat deg day = 967	16 Cycle 14 Cust = 90 Ccf = 30,300 Heat deg day = 950	16	17
17 Cycle 15 Cust = 153 Ccf = 41,795 Heat deg day = 1,067	18 Cycle 16 Cust = 53 Ccf = 34,249 Heat deg day = 1,095.5	19 Cycle 17 Cust = 100 Ccf = 49,733 Heat deg day = 1,124.5	20 Cycle 18 Cust = 262 Ccf = 139,674 Heat deg day = <u>1,162</u>	21 Cycle 19 Cust = 100 Ccf = 20,738 Heat deg day = 1,137.5	23	24
26 Cycle 20 Cust = 89 Ccf = 54,532 Heat deg day = 1,147	27 Cycle 21 Cust = 65 Ccf = 22,050 Heat deg day = 1,139	28 Cycle 1 Cust = 240 Ccf = 113,159 Heat deg day = 1,105	29 Cycle 2 Cust = 222 Ccf = 101,658 Heat deg day = 1,119.5	30 Cycle 3 Cust = 27 Ccf = 10,943 Heat deg day = 1,083		

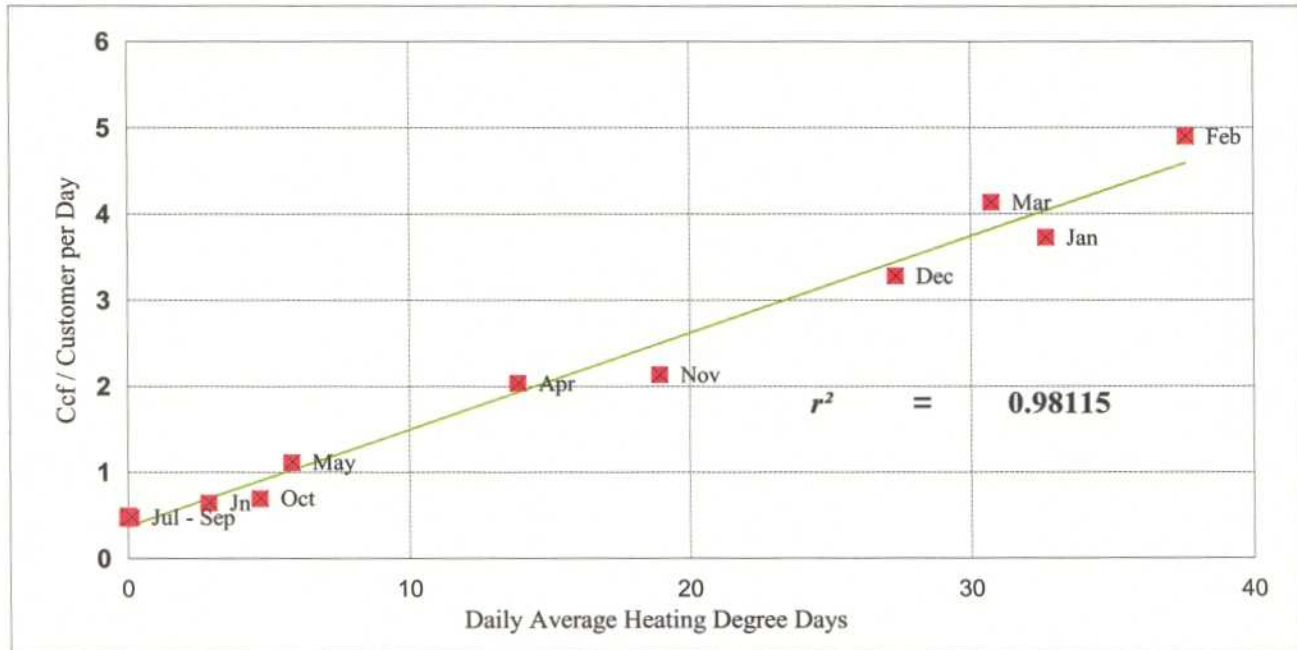
Note: January Billing Month Starts December 30, 2002, and ends January 28, 2003

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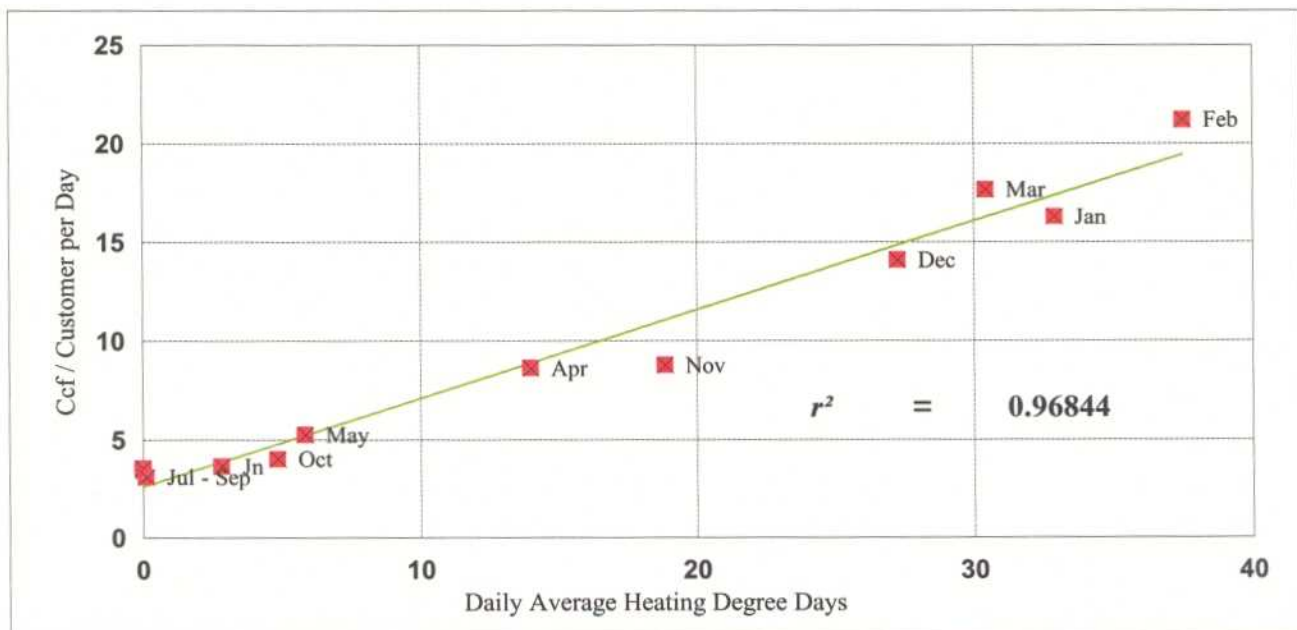
Plots of Billing Month Actual & Estimated Usage vs. Heating Degree Days

Service Areas Supplied by Panhandle Eastern Pipe Line Company

Residential Service Customers



General Service Customers

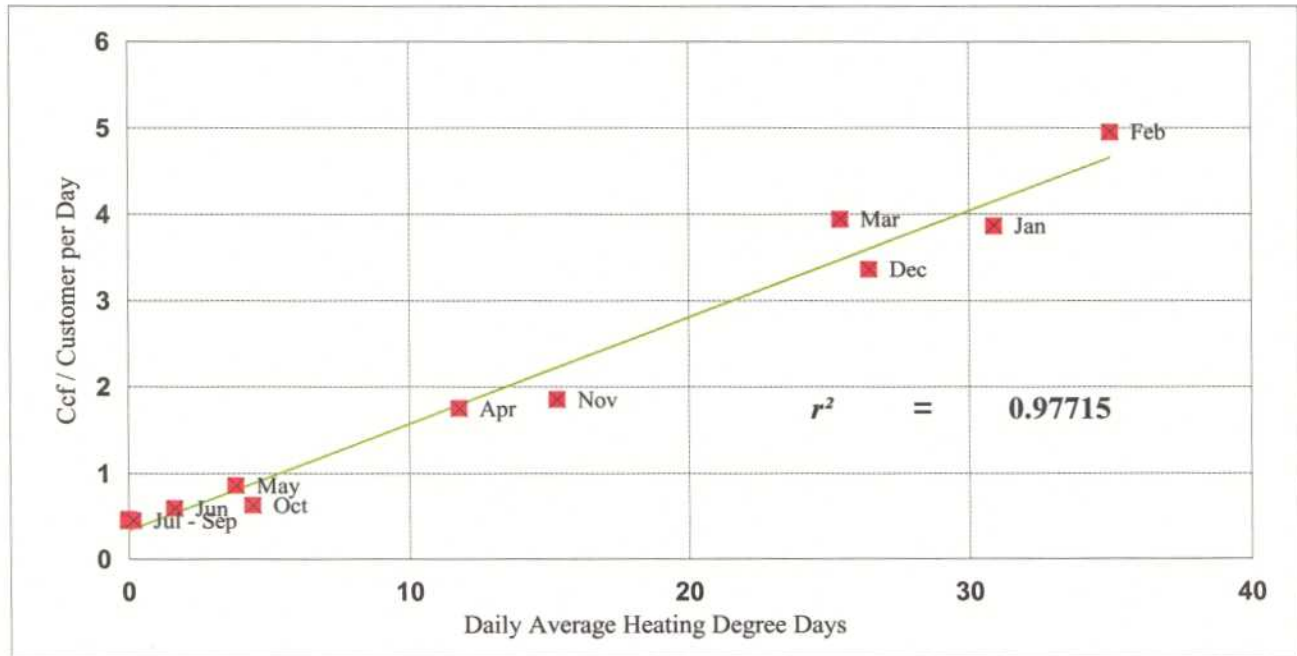


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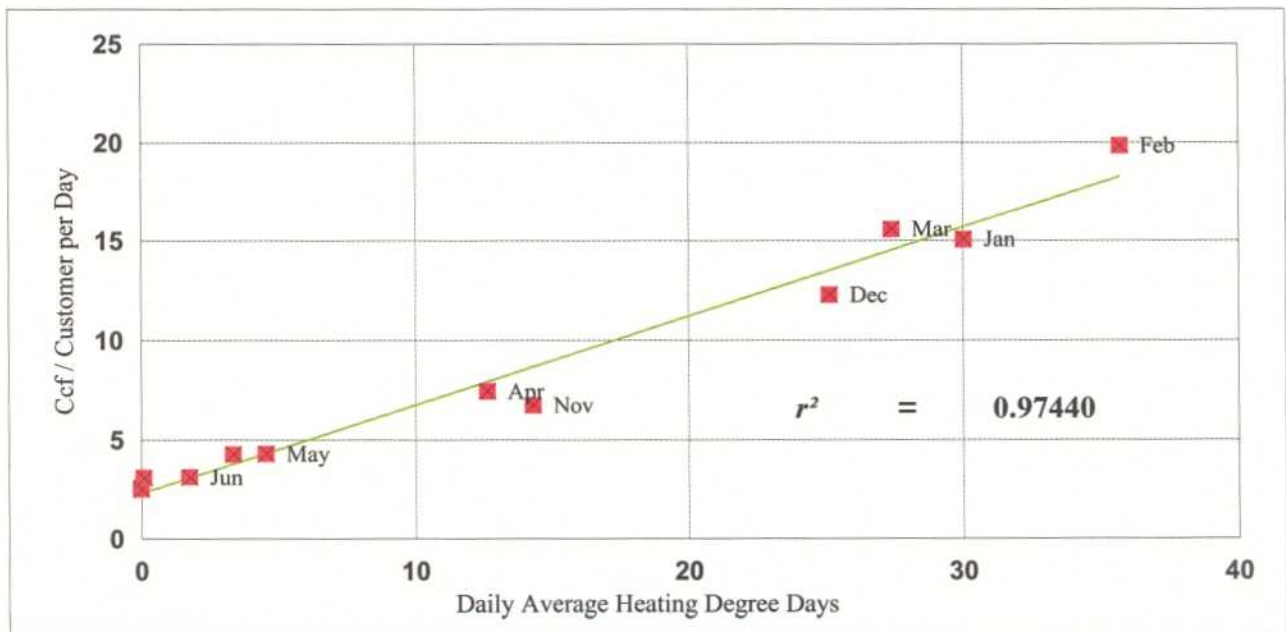
Plots of Billing Month Actual & Estimated Usage vs. Heating Degree Days

**Service Areas Supplied by Texas Eastern Transmission Corporation and
Natural Gas Pipeline Company of America**

Residential Service Customers



General Service Customers



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Weather Normalized Billing Month Usage in Ccf per Customer
July 1, 2002 - June 30, 2003

Service Areas Supplied by Panhandle Eastern Pipe Line Company

	Residential Service Customers	General Service Customers
Jul '02	15.9375	108.1907
Aug	14.0992	105.0023
Sep	16.3218	102.0305
Oct	22.6722	124.7047
Nov	45.4482	190.0342
Dec '02	96.4548	417.1681
Jan '03	135.8540	584.1736
Feb	139.2997	609.5977
Mar	109.1002	474.5614
Apr	68.4150	284.8736
May	38.6190	176.5031
Jun '03	16.5103	100.0010
Annual	723.2913	3,292.6750

**Service Areas Supplied by
Texas Eastern Transmission Corporation and
Natural Gas Pipeline Company of America**

	Residential Service Customers	General Service Customers
Jul '02	14.3560	79.7641
Aug	13.1757	73.8089
Sep	14.4507	96.7326
Oct	17.7666	128.6147
Nov	41.8418	150.8239
Dec '02	89.1185	324.6370
Jan '03	130.6250	517.2372
Feb	132.2882	532.3451
Mar	105.5719	414.8057
Apr	55.0799	234.9862
May	29.4251	141.5223
Jun '03	15.0603	87.2316
Annual	662.3337	2,803.7233

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Weather Normalized Billing Month Usage in Ccf
July 1, 2002 - June 30, 2003

Service Areas Supplied by Panhandle Eastern Pipe Line Company

	Residential Service Customers	General Service Customers
Jul '02	1,308,710	990,161
Aug	1,165,595	958,356
Sep	1,338,094	931,539
Oct	1,854,567	1,138,180
Nov	3,767,471	1,750,595
Dec '02	8,068,154	3,860,890
Jan '03	11,442,711	5,432,230
Feb	11,756,756	5,694,862
Mar	9,259,658	4,420,065
Apr	5,796,188	2,642,488
May	3,260,521	1,632,830
Jun '03	1,396,291	920,809
Annual	60,414,716	30,373,006

**Service Areas Supplied by
Texas Eastern Transmission Corporation and
Natural Gas Pipeline Company of America**

	Residential Service Customers	General Service Customers
Jul '02	269,505	220,947
Aug	246,201	204,303
Sep	270,286	267,756
Oct	333,106	358,964
Nov	790,223	421,100
Dec '02	1,694,411	917,424
Jan '03	2,491,280	1,469,988
Feb	2,531,732	1,528,363
Mar	2,026,347	1,197,959
Apr	1,053,127	670,181
May	559,254	401,074
Jun '03	287,516	247,040
Annual	12,552,989	7,905,098

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**Weather Normalized Coincident Peak Day Demand in Ccf per Customer
July 1, 2002 - June 30, 2003**

Service Areas Supplied by Panhandle Eastern Pipe Line Company

	Residential Service Customers	General Service Customers
Jul '02	0.5126	3.1332
Aug	0.6582	3.7172
Sep	2.2376	10.0514
Oct	3.5145	15.1726
Nov	5.2954	22.3154
Dec '02	7.5020	31.1652
Jan '03	7.7260	32.0636
Feb	7.1996	29.9523
Mar	5.5643	23.3935
Apr	3.7273	16.0261
May	2.3048	10.3209
Jun '03	1.0950	5.4692
Annual	7.7260	32.0636

**Service Areas Supplied by
Texas Eastern Transmission Corporation and
Natural Gas Pipeline Company of America**

	Residential Service Customers	General Service Customers
Jul '02	0.3469	2.3232
Aug	0.4210	2.5922
Sep	1.9272	8.0612
Oct	3.4088	13.4405
Nov	5.0508	19.4025
Dec '02	7.2114	27.2473
Jan '03	7.7670	29.2646
Feb	6.9398	26.2611
Mar	5.3471	20.4784
Apr	3.6434	14.2922
May	1.9890	8.2853
Jun '03	0.6556	3.4439
Annual	7.7670	29.2646