EXHIBIT NO. ___(JAD-4)
DOCKET NO. UE-06___/UG-06___
2006 PSE GENERAL RATE CASE
WITNESS: DR. JEFFREY A. DUBIN

BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION, **Complainant,** **v.** **PUGET SOUND ENERGY, INC.,** **Respondent.**	**Docket No. UE-06____** **Docket No. UG-06____**

THIRD EXHIBIT (NONCONFIDENTIAL) TO THE PREFILED DIRECT TESTIMONY OF DR. JEFFREY A. DUBIN ON BEHALF OF PUGET SOUND ENERGY, INC.

FEBRUARY 15, 2006

FIRM EQUATIONS

GasEQ1
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
JANHDD	0.181971	0.003599	50.55573	0
FEBHDD	0.168381	0.003853	43.70445	0
MARHDD	0.1568	0.004076	38.46595	0
APRHDD	0.151046	0.003614	41.79005	0
MAYHDD	0.10857	0.004665	23.27426	0
JUNHDD	0.065497	0.006289	10.41492	0
SEPHDD	0.075853	0.007514	10.09474	0
OCTHDD	0.151977	0.004426	34.33878	0
NOVHDD	0.155441	0.00415	37.45309	0
DECHDD	0.171121	0.00387	44.21903	0
WE	-0.087714	0.013276	-6.606914	0
HOL	-0.147075	0.040405	-3.639995	0.0003
DWIN	0.374828	0.080903	4.633041	0
TRENDM	0.000565	1.77E-05	32.02053	0
AR(1)	0.724816	1.79E-02	40.4808	0

R-squared	0.982705	Mean dependent var	3.241739
Adjusted R-squared	0.982562	S.D. dependent var	1.942749
S.E. of regression	0.256548	Akaike info criterion	0.125765
Sum squared resid	111.165	Schwarz criterion	0.173658
Log likelihood	-92.15149	Durbin-Watson stat	2.199608

Inverted AR Roots	0.72

FIRM EQUATIONS

GasEQ2
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 13 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	201.7975	22.50236	8.967838	0
JAN	-0.813394	0.206902	-3.931295	0.0001
FEB	-0.843408	0.247087	-3.4134	0.0007
MAR	-1.564981	0.206247	-7.587914	0
APR	-1.518949	0.193696	-7.841905	0
MAY	-1.268648	0.181728	-6.981044	0
JUN	-1.179378	0.177065	-6.660723	0
JUL	-1.10138	0.172346	-6.3905	0
AUG	-1.126249	0.172399	-6.532821	0
SEP	-1.174809	0.181359	-6.477811	0
OCT	-1.492257	0.19398	-7.692838	0
NOV	-1.037048	0.222373	-4.663558	0
JANHDD	0.185001	0.005314	34.81121	0
FEBHDD	0.172712	0.007829	22.06115	0
MARHDD	0.190568	0.00597	31.9195	0
APRHDD	0.163257	0.005675	28.76799	0
MAYHDD	0.113015	0.00586	19.28739	0
JUNHDD	0.066398	0.007053	9.41395	0
SEPHDD	0.070976	0.008958	7.923268	0
OCTHDD	0.168178	0.006556	25.65183	0
NOVHDD	0.17082	0.006817	25.05683	0
DECHDD	0.144354	0.006965	20.72639	0
WE	-0.090436	0.013502	-6.698146	0
HOL	-0.141526	0.040775	-3.470929	0.0005
TRENDM	-0.099581	0.011231	-8.866701	0
AR(1)	0.596956	0.020991	28.43826	0

R-squared	0.983962	Mean dependent var	3.241739
Adjusted R-squared	0.983723	S.D. dependent var	1.942749
S.E. of regression	0.247858	Akaike info criterion	0.063216
Sum squared resid	103.0852	Schwarz criterion	0.146232
Log likelihood	-27.85987	F-statistic	4117.96
Durbin-Watson stat	2.097182	Prob(F-statistic)	0

Inverted AR Roots	0.6

FIRM EQUATIONS

GasEQ3
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 13 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	246.6745	62.72436	3.932675	0.0001
JAN	-0.792368	0.205399	-3.857699	0.0001
FEB	-0.862916	0.2453	-3.517798	0.0004
MAR	-1.550538	0.204894	-7.567512	0
APR	-1.537587	0.192216	-7.999265	0
MAY	-1.309058	0.1809	-7.236358	0
JUN	-1.220098	0.176313	-6.920076	0
JUL	-1.158618	0.172079	-6.733047	0
AUG	-1.199116	0.172573	-6.948435	0
SEP	-1.22827	0.180467	-6.806065	0
OCT	-1.548923	0.192557	-8.043978	0
NOV	-1.053023	0.220132	-4.783591	0
JANHDD	0.185654	0.005241	35.42161	0
FEBHDD	0.174452	0.007789	22.39656	0
MARHDD	0.190244	0.005939	32.03168	0
APRHDD	0.163866	0.005628	29.11485	0
MAYHDD	0.113435	0.005806	19.53821	0
JUNHDD	0.065949	0.006985	9.440977	0
SEPHDD	0.07148	0.008888	8.042386	0
OCTHDD	0.169962	0.006498	26.15512	0
NOVHDD	0.171576	0.006751	25.41457	0
DECHDD	0.14483	0.006951	20.83585	0
WE	-0.091321	0.01354	-6.74452	0
HOL	-0.1445	0.040885	-3.534336	0.0004
TRENDM	-0.12056	0.031686	-3.804831	0.0001
PCY96	5.83E-05	0.000113	0.518327	0.6043
FRMRTR	1.51E+02	39.74097	3.79753	0.0002
WSEMP	-3.51E-03	0.002413	-1.454238	0.1461
AR(1)	0.576609	0.021357	26.99902	0

R-squared	0.984108	Mean dependent var	3.241739
Adjusted R-squared	0.983842	S.D. dependent var	1.942749
S.E. of regression	0.246949	Akaike info criterion	0.057604
Sum squared resid	102.148	Schwarz criterion	0.150198
Log likelihood	-20.07845	F-statistic	3704.399
Durbin-Watson stat	2.082237	Prob(F-statistic)	0

Inverted AR Roots	0.58

FIRM EQUATIONS

GasEQ4
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 18 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1788.721	613.7509	2.914409	0.0036
JAN	-0.82645	0.206263	-4.006773	0.0001
FEB	-0.834376	0.246595	-3.383583	0.0007
MAR	-1.566664	0.206076	-7.602361	0
APR	-1.509325	0.193419	-7.803392	0
MAY	-1.261869	0.181533	-6.951191	0
JUN	-1.168114	0.176675	-6.611649	0
JUL	-1.1228	0.172393	-6.513019	0
AUG	-1.09847	0.172244	-6.377393	0
SEP	-1.137105	0.181302	-6.271895	0
OCT	-1.463232	0.19374	-7.552572	0
NOV	-1.009741	0.222029	-4.547793	0
JANHDD	0.185557	0.005291	35.06958	0
FEBHDD	0.172092	0.007817	22.01471	0
MARHDD	0.19093	0.005954	32.06908	0
APRHDD	0.163402	0.005658	28.87808	0
MAYHDD	0.113073	0.005845	19.34678	0
JUNHDD	0.066071	0.007037	9.388899	0
SEPHDD	0.071809	0.008939	8.032996	0
OCTHDD	0.169057	0.006541	25.84491	0
NOVHDD	0.170764	0.006797	25.12182	0
DECHDD	0.144129	0.006961	20.70546	0
WE	-0.090502	0.013508	-6.699854	0
HOL	-0.140656	0.040796	-3.447767	0.0006
TRENDM	0.339584	0.174607	1.944848	0.052
RESFPCT	-2473.696	961.9492	-2.571545	0.0102
COMFPCT	-2522.163	977.97	-2.578978	0.01
AR(1)	0.591031	0.021091	28.02345	0

R-squared	0.984026	Mean dependent var	3.241739
Adjusted R-squared	0.983768	S.D. dependent var	1.942749
S.E. of regression	0.247513	Akaike info criterion	0.061588
Sum squared resid	102.6762	Schwarz criterion	0.150989
Log likelihood	-24.47274	F-statistic	3823.799
Durbin-Watson stat	2.092633	Prob(F-statistic)	0

Inverted AR Roots	0.59

FIRM EQUATIONS

GasEQ5
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 13 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	197.4675	21.78496	9.064399	0
JAN	-0.748758	0.205128	-3.650194	0.0003
FEB	-0.737016	0.245071	-3.00735	0.0027
MAR	-1.444426	0.204853	-7.051027	0
APR	-1.432365	0.192679	-7.43393	0
MAY	-1.164667	0.180786	-6.442241	0
JUN	-1.058003	0.176309	-6.000854	0
JUL	-1.014611	0.172277	-5.88942	0
AUG	-1.023843	0.172268	-5.943297	0
SEP	-1.061692	0.181074	-5.863292	0
OCT	-1.337542	0.193542	-6.910871	0
NOV	-0.933359	0.22041	-4.234643	0
JANHDD	0.188047	0.005256	35.77484	0
FEBHDD	0.173457	0.007722	22.46294	0
MARHDD	0.191693	0.00589	32.54312	0
APRHDD	0.166584	0.005774	28.8499	0
MAYHDD	0.117421	0.005993	19.59422	0
JUNHDD	0.067675	0.007164	9.446399	0
SEPHDD	0.071258	0.008883	8.021921	0
OCTHDD	0.167945	0.006473	25.94471	0
NOVHDD	0.171726	0.006749	25.44375	0
DECHDD	0.149779	0.006986	21.43991	0
JANHDDIF	-0.053826	0.019857	-2.710688	0.0068
FEBHDDIF	-0.011424	0.020551	-0.555906	0.5783
MARHDDIF	-0.048579	0.020431	-2.377748	0.0175
APRHDDIF	-0.043214	0.020125	-2.147259	0.0319
MAYHDDIF	-0.047124	0.019	-2.480167	0.0132
JUNHDDIF	-0.019337	0.024487	-0.789698	0.4298
JULHDDIF	0.043205	0.026337	1.640448	0.1011
AUGHDDIF	0.012783	0.026239	0.487171	0.6262
SEPHDDIF	-0.008445	0.026192	-0.322441	0.7472
OCTHDDIF	-0.066472	0.022871	-2.906434	0.0037
NOVHDDIF	-0.010447	0.022058	-0.473613	0.6358
DECHDDIF	-0.084608	0.019799	-4.273387	0
WE	-0.094606	0.013408	-7.055821	0
HOL	-0.146943	0.040547	-3.624048	0.0003
TRENDM	-0.097476	0.010873	-8.965069	0
AR(1)	0.588108	0.021264	27.65724	0

R-squared	0.984472	Mean dependent var	3.241739
Adjusted R-squared	0.984127	S.D. dependent var	1.942749
S.E. of regression	0.244763	Akaike info criterion	0.044998
Sum squared resid	99.80856	Schwarz criterion	0.166329
Log likelihood	-0.338508	F-statistic	2854.677
Durbin-Watson stat	2.091767	Prob(F-statistic)	0

Inverted AR Roots	0.59

FIRM EQUATIONS

GasEQ6
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 15 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	198.604	22.9714	8.64571	0
JAN	-0.709176	0.216973	-3.268498	0.0011
FEB	-0.328947	0.251226	-1.309368	0.1906
MAR	-1.303926	0.214633	-6.075155	0
APR	-1.437668	0.204214	-7.039999	0
MAY	-1.205919	0.191129	-6.309463	0
JUN	-1.134824	0.186163	-6.095867	0
JUL	-1.095826	0.181943	-6.022922	0
AUG	-1.117707	0.181974	-6.142121	0
SEP	-1.094601	0.189173	-5.786254	0
OCT	-1.282724	0.201039	-6.380467	0
NOV	-0.770811	0.231596	-3.32825	0.0009
JANNHDD	0.18366	0.005592	32.84408	0
FEBNHDD	0.154542	0.007848	19.69283	0
MARNHDD	0.18276	0.006182	29.56144	0
APRNHDD	0.165071	0.00622	26.53826	0
MAYNHDD	0.116545	0.006454	18.05737	0
JUNNHDD	0.067635	0.007703	8.780255	0
SEPNHDD	0.066596	0.009345	7.126167	0
OCTNHDD	0.158926	0.006624	23.99406	0
NOVNHDD	0.162625	0.007165	22.69592	0
DECNHDD	0.145312	0.00743	19.55718	0
WE	-0.099097	0.014459	-6.85373	0
HOL	-0.149104	0.043797	-3.404398	0.0007
TRENDM	-0.09799	0.011465	-8.546895	0
AR(1)	0.578145	0.021468	26.93096	0

R-squared	0.981727	Mean dependent var	3.241739
Adjusted R-squared	0.981455	S.D. dependent var	1.942749
S.E. of regression	0.264565	Akaike info criterion	0.193684
Sum squared resid	117.4514	Schwarz criterion	0.2767
Log likelihood	-139.0188	F-statistic	3606.059
Durbin-Watson stat	2.11426	Prob(F-statistic)	0

Inverted AR Roots	0.58

FIRM EQUATIONS

GasEQ7
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 13 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	190.1741	20.89921	9.099585	0
JAN	-0.880278	0.196852	-4.471771	0
FEB	-0.810935	0.234665	-3.455716	0.0006
MAR	-1.736393	0.198531	-8.746186	0
APR	-1.887223	0.189131	-9.978401	0
MAY	-1.56522	0.177664	-8.809998	0
JUN	-1.34641	0.172689	-7.796736	0
JUL	-1.075738	0.164097	-6.555489	0
AUG	-1.103079	0.164144	-6.720179	0
SEP	-1.339855	0.17893	-7.488143	0
OCT	-1.590323	0.18611	-8.545089	0
NOV	-1.069076	0.212287	-5.036	0
JANPHDD	0.189339	0.005054	37.46101	0
FEBPHDD	0.172812	0.007418	23.29637	0
MARPHDD	0.201293	0.00589	34.175	0
APRPHDD	0.18716	0.005987	31.2598	0
MAYPHDD	0.13903	0.006608	21.03929	0
JUNPHDD	0.089345	0.008331	10.72471	0
SEPPHDD	0.094824	0.010684	8.875683	0
OCTPHDD	0.17576	0.006443	27.28005	0
NOVPHDD	0.174314	0.00655	26.61281	0
DECPHDD	0.146068	0.006668	21.90671	0
WE	-0.087354	0.012896	-6.773789	0
HOL	-0.134018	0.038857	-3.449005	0.0006
TRENDM	-0.093794	0.010431	-8.991983	0
AR(1)	0.586927	0.021229	27.64747	0

R-squared	0.985507	Mean dependent var	3.241739
Adjusted R-squared	0.985291	S.D. dependent var	1.942749
S.E. of regression	0.235621	Akaike info criterion	-0.038043
Sum squared resid	93.15802	Schwarz criterion	0.044973
Log likelihood	58.41264	F-statistic	4563.935
Durbin-Watson stat	2.106399	Prob(F-statistic)	0

Inverted AR Roots	0.59

FIRM EQUATIONS

GasEQ9
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 11 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
JANHDD	0.170309	0.005769	29.52271	0
FEBHDD	0.156212	0.005734	27.24133	0
MARHDD	0.135494	0.005683	23.84004	0
APRHDD	0.138632	0.003243	42.74598	0
MAYHDD	0.106892	0.003985	26.82199	0
JUNHDD	0.066026	0.005621	11.74573	0
SEPHDD	0.073257	0.006686	10.95634	0
OCTHDD	0.1505	0.003712	40.54941	0
NOVHDD	0.144393	0.006216	23.22845	0
DECHDD	0.172765	0.005805	29.76001	0
JANHDD45	0.024993	0.0104	2.403192	0.0164
FEBHDD45	0.03379	0.01288	2.623472	0.0088
MARHDD45	0.097783	0.013393	7.301056	0
APRHDD45	0.160447	0.02459	6.524988	0
NOVHDD45	0.041282	0.015607	2.645072	0.0082
DECHDD45	-0.026754	0.012677	-2.110336	0.035
WD	202.5128	23.89162	8.476312	0
WE	202.4247	23.89163	8.472617	0
HOL	-0.131235	0.040047	-3.277018	0.0011
DWIN	0.573357	0.101191	5.666101	0
TRENDM	-0.100524	0.011925	-8.429748	0
AR(1)	0.625304	0.020286	30.82409	0

R-squared	0.984265	Mean dependent var	3.241739
Adjusted R-squared	0.984068	S.D. dependent var	1.942749
S.E. of regression	0.245215	Akaike info criterion	0.039465
Sum squared resid	101.1394	Schwarz criterion	0.109709
Log likelihood	-11.62423	Durbin-Watson stat	2.114756

Inverted AR Roots	0.63

FIRM EQUATIONS

GasEQ10
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 14 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	202.18	21.52918	9.390976	0
JAN	-0.577577	0.349807	-1.651132	0.0989
FEB	0.012402	0.450086	0.027554	0.978
MAR	-1.399171	0.318413	-4.394202	0
APR	-1.597539	0.298406	-5.353579	0
MAY	-1.524415	0.289335	-5.268691	0
JUN	-1.440186	0.286435	-5.027967	0
JUL	-1.363087	0.283733	-4.804116	0
AUG	-1.387344	0.283748	-4.889352	0
SEP	-1.439484	0.289049	-4.980068	0
OCT	-1.765108	0.296733	-5.948481	0
NOV	-1.067288	0.350956	-3.041089	0.0024
JANHDD	0.155367	0.011144	13.94131	0
FEBHDD	0.111969	0.018215	6.147221	0
MARHDD	0.163585	0.00827	19.78043	0
APRHDD	0.146833	0.006217	23.6198	0
MAYHDD	0.112576	0.005719	19.685	0
JUNHDD	0.06655	0.006876	9.678013	0
SEPHDD	0.071175	0.008743	8.140917	0
OCTHDD	0.168923	0.006399	26.39868	0
NOVHDD	0.156116	0.011878	13.14378	0
DECHDD	0.129664	0.014474	8.958102	0
JANHDD45	0.045248	0.014527	3.11472	0.0019
FEBHDD45	0.084681	0.022836	3.70822	0.0002
MARHDD45	0.068783	0.015012	4.581805	0
APRHDD45	0.148212	0.025546	5.801799	0
NOVHDD45	0.031553	0.020274	1.556363	0.1198
DECHDD45	0.023587	0.019477	1.210983	0.2261
WE	-0.089283	0.01325	-6.738159	0
HOL	-0.130585	0.040168	-3.250995	0.0012
TRENDM	-0.099642	0.010744	-9.27403	0
AR(1)	0.587211	0.021162	27.74888	0

R-squared	0.984704	Mean dependent var	3.241739
Adjusted R-squared	0.98442	S.D. dependent var	1.942749
S.E. of regression	0.242492	Akaike info criterion	0.022901
Sum squared resid	98.31717	Schwarz criterion	0.125074
Log likelihood	12.48859	F-statistic	3472.155
Durbin-Watson stat	2.092449	Prob(F-statistic)	0

Inverted AR Roots	0.59

FIRM EQUATIONS

GasEQ11
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 13 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	247.1533	60.8325	4.06285	0.0001
JAN	-0.308435	0.263583	-1.170162	0.2421
FEB	0.277773	0.387793	0.716292	0.4739
MAR	-1.114359	0.220589	-5.051733	0
APR	-1.334475	0.190905	-6.990256	0
MAY	-1.286459	0.176977	-7.269086	0
JUN	-1.204373	0.172503	-6.981752	0
JUL	-1.142455	0.168366	-6.785534	0
AUG	-1.181648	0.168852	-6.998146	0
SEP	-1.213762	0.176544	-6.875139	0
OCT	-1.537642	0.18834	-8.164195	0
NOV	-1.045099	0.215256	-4.85514	0
JANHDD	0.157639	0.011127	14.16788	0
FEBHDD	0.113061	0.01825	6.195232	0
MARHDD	0.163451	0.008248	19.8176	0
APRHDD	0.147041	0.006193	23.74196	0
MAYHDD	0.112813	0.005681	19.85922	0
JUNHDD	0.066061	0.006828	9.674512	0
SEPHDD	0.071595	0.008692	8.236593	0
OCTHDD	0.170205	0.006355	26.78226	0
NOVHDD	0.171926	0.006604	26.03409	0
DECHDD	0.145361	0.00681	21.34569	0
JANHDD45	0.041856	0.014503	2.886112	0.004
FEBHDD45	0.084817	0.022847	3.712368	0.0002
MARHDD45	0.067394	0.014988	4.496397	0
APRHDD45	0.149249	0.025515	5.849349	0
WE	-0.089995	0.013277	-6.778239	0
HOL	-0.138557	0.04013	-3.452673	0.0006
TRENDM	-0.120918	0.03073	-3.934862	0.0001
PCY96	6.08E-05	0.000109	0.55731	0.5774
FRMRTR	1.42E+02	38.6378	3.677806	0.0002
WSEMP	-0.003413	0.002342	-1.457515	0.1452
AR(1)	0.572192	0.021394	26.74489	0

R-squared	9.85E-01	Mean dependent var	3.241739
Adjusted R-squared	0.984508	S.D. dependent var	1.942749
S.E. of regression	0.241808	Akaike info criterion	0.01783
Sum squared resid	97.70519	Schwarz criterion	0.123197
Log likelihood	17.80843	F-statistic	3383.021
Durbin-Watson stat	2.079241	Prob(F-statistic)	0

Inverted AR Roots	0.57

FIRM EQUATIONS

GasEQ12
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 18 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1818.964	592.3373	3.070825	0.0022
JAN	-0.291768	0.264301	-1.10392	0.2698
FEB	0.30014	0.387687	0.774182	0.4389
MAR	-1.119385	0.221416	-5.055569	0
APR	-1.307575	0.191838	-6.816025	0
MAY	-1.238388	0.177404	-6.980607	0
JUN	-1.151571	0.172658	-6.669668	0
JUL	-1.107254	0.16847	-6.572397	0
AUG	-1.081856	0.168331	-6.426973	0
SEP	-1.123367	0.177123	-6.342292	0
OCT	-1.45439	0.18923	-7.685831	0
NOV	-1.000746	0.216824	-4.615479	0
JANHDD	0.154767	0.011137	13.8967	0
FEBHDD	0.111243	0.018215	6.107112	0
MARHDD	0.163717	0.008261	19.81914	0
APRHDD	0.146851	0.006209	23.65261	0
MAYHDD	0.112492	0.005711	19.69716	0
JUNHDD	0.066202	0.00687	9.636814	0
SEPHDD	0.072011	0.008733	8.24578	0
OCTHDD	0.169528	0.00639	26.52975	0
NOVHDD	0.171228	0.006641	25.78319	0
DECHDD	0.144773	0.006818	21.23475	0
JANHDD45	0.046322	0.014521	3.189938	0.0014
FEBHDD45	0.084434	0.022828	3.698618	0.0002
MARHDD45	0.068776	0.015002	4.584523	0
APRHDD45	0.148152	0.025534	5.802208	0
WE	-0.089385	0.01325	-6.745988	0
HOL	-0.134389	0.040052	-3.355347	0.0008
TRENDM	0.343413	0.168452	2.03864	0.0416
RESFPCT	-2511.477	928.2647	-2.705561	0.0069
COMFPCT	-2564.131	943.7559	-2.716942	0.0067
AR(1)	0.584087	0.021186	27.5701	0

R-squared	0.984737	Mean dependent var	3.241739
Adjusted R-squared	0.984454	S.D. dependent var	1.942749
S.E. of regression	0.24223	Akaike info criterion	0.020742
Sum squared resid	98.10519	Schwarz criterion	0.122916
Log likelihood	14.32752	F-statistic	3479.774
Durbin-Watson stat	2.088371	Prob(F-statistic)	0

Inverted AR Roots	0.58

FIRM EQUATIONS

GasEQ8 - Monthly
EQFRMJANA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 1/01/2001 1/31/2005 IF JAN=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 11 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.817527	0.197135	9.219693	0
HDD	0.172454	0.007523	22.92377	0
WE	-0.09639	0.052298	-1.843088	0.0673
AR(1)	0.759821	0.056763	13.38575	0

R-squared	0.951965	Mean dependent var	5.692692
Adjusted R-squared	0.951011	S.D. dependent var	1.381436
S.E. of regression	0.30576	Akaike info criterion	0.493435
Sum squared resid	14.11687	Schwarz criterion	0.571975
Log likelihood	-34.24123	F-statistic	997.5181
Durbin-Watson stat	2.153274	Prob(F-statistic)	0

Inverted AR Roots	0.76

FIRM EQUATIONS

EQFRMFEBA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 2/01/2001 2/28/2005 IF FEB=1
Included observations: 141 after adjusting endpoints
Convergence achieved after 10 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.655323	0.236851	6.988893	0
HDD	0.16702	0.009997	16.70656	0
WE	-0.142707	0.054871	-2.600779	0.0103
AR(1)	0.64928	0.070627	9.193068	0

R-squared	0.885087	Mean dependent var	5.487177
Adjusted R-squared	0.882571	S.D. dependent var	0.849441
S.E. of regression	0.291086	Akaike info criterion	0.397565
Sum squared resid	11.60819	Schwarz criterion	0.481218
Log likelihood	-24.02836	F-statistic	351.735
Durbin-Watson stat	2.192692	Prob(F-statistic)	0

Inverted AR Roots	0.65

FIRM EQUATIONS

EQFRMMARA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 3/01/2001 3/31/2005 IF MAR=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 14 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.680035	0.193264	3.518681	0.0006
HDD	0.194777	0.009549	20.3979	0
WE	-0.084045	0.064947	-1.29406	0.1976
AR(1)	0.571318	0.074402	7.678778	0

R-squared	0.910232	Mean dependent var	4.412128
Adjusted R-squared	0.908448	S.D. dependent var	1.189816
S.E. of regression	0.360009	Akaike info criterion	0.820092
Sum squared resid	19.57058	Schwarz criterion	0.898632
Log likelihood	-59.55714	F-statistic	510.3693
Durbin-Watson stat	2.133462	Prob(F-statistic)	0

Inverted AR Roots	0.57

FIRM EQUATIONS

EQFRMAPRA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 4/01/2001 4/30/2005 IF APR=1
Included observations: 150 after adjusting endpoints
Convergence achieved after 10 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.731331	0.130149	5.61919	0
HDD	0.164837	0.007629	21.60731	0
WE	-0.114972	0.059516	-1.931769	0.0553
AR(1)	0.539866	0.074544	7.242197	0

R-squared	0.903024	Mean dependent var	3.281315
Adjusted R-squared	0.901031	S.D. dependent var	1.014946
S.E. of regression	0.319295	Akaike info criterion	0.580899
Sum squared resid	14.88455	Schwarz criterion	0.661183
Log likelihood	-39.56743	F-statistic	453.176
Durbin-Watson stat	2.164262	Prob(F-statistic)	0

Inverted AR Roots	0.54

FIRM EQUATIONS

EQFRMMAYA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 5/01/2001 5/31/2005 IF MAY=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.074972	0.096227	11.1712	0
HDD	0.101469	0.005737	17.68617	0
WE	-0.050528	0.036969	-1.366755	0.1737
AR(1)	0.771766	0.048577	15.88739	0

R-squared	0.918755	Mean dependent var	2.147113
Adjusted R-squared	0.917141	S.D. dependent var	0.7653
S.E. of regression	0.220294	Akaike info criterion	-0.162241
Sum squared resid	7.327938	Schwarz criterion	-0.083701
Log likelihood	16.57368	F-statistic	569.1898
Durbin-Watson stat	2.016928	Prob(F-statistic)	0

Inverted AR Roots	0.77

FIRM EQUATIONS

EQFRMJUNA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 6/01/2001 6/30/2005 IF JUN=1
Included observations: 150 after adjusting endpoints
Convergence achieved after 11 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.106417	0.038901	28.442	0
HDD	0.066709	0.004038	16.52118	0
WE	-0.079466	0.025224	-3.150466	0.002
AR(1)	0.63692	0.063753	9.99047	0

R-squared	0.863295	Mean dependent var	1.468756
Adjusted R-squared	0.860486	S.D. dependent var	0.3762
S.E. of regression	0.140517	Akaike info criterion	-1.060676
Sum squared resid	2.882761	Schwarz criterion	-0.980393
Log likelihood	83.55072	F-statistic	307.3299
Durbin-Watson stat	1.794751	Prob(F-statistic)	0

Inverted AR Roots	0.64

FIRM EQUATIONS

EQFRMJULA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 7/01/2001 7/31/2005 IF JUL=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 11 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.09273	0.023645	46.2144	0
HDD	0.027331	0.002703	10.11082	0
WE	-0.060383	0.010696	-5.645139	0
AR(1)	0.779559	0.053832	14.48141	0

R-squared	0.822955	Mean dependent var	1.136343
Adjusted R-squared	0.819437	S.D. dependent var	0.147641
S.E. of regression	0.062737	Akaike info criterion	-2.674269
Sum squared resid	0.594322	Schwarz criterion	-2.595729
Log likelihood	211.2558	F-statistic	233.9628
Durbin-Watson stat	1.971744	Prob(F-statistic)	0

Inverted AR Roots	0.78

FIRM EQUATIONS

EQFRMAUGA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 8/01/2001 8/31/2005 IF AUG=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.110785	0.025936	42.82833	0
HDD	0.018642	0.002089	8.923191	0
WE	-0.072937	0.007057	-10.33515	0
AR(1)	0.863244	0.037341	23.11814	0

R-squared	0.873275	Mean dependent var	1.115542
Adjusted R-squared	0.870757	S.D. dependent var	0.12189
S.E. of regression	0.04382	Akaike info criterion	-3.391981
Sum squared resid	0.28995	Schwarz criterion	-3.313441
Log likelihood	266.8785	F-statistic	346.8507
Durbin-Watson stat	1.870403	Prob(F-statistic)	0

Inverted AR Roots	0.86

FIRM EQUATIONS

EQFRMSEPA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 9/01/2001 9/30/2004 IF SEP=1
Included observations: 120 after adjusting endpoints
Convergence achieved after 13 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.272516	0.091839	13.85588	0
HDD	0.054216	0.004768	11.37054	0
WE	-0.06395	0.022483	-2.844375	0.0053
AR(1)	0.850381	0.063221	13.45086	0

R-squared	0.863927	Mean dependent var	1.477612
Adjusted R-squared	0.860408	S.D. dependent var	0.330618
S.E. of regression	0.123525	Akaike info criterion	-1.311974
Sum squared resid	1.76999	Schwarz criterion	-1.219058
Log likelihood	82.71845	F-statistic	245.4956
Durbin-Watson stat	1.694777	Prob(F-statistic)	0

Inverted AR Roots	0.85

FIRM EQUATIONS

EQFRMOCTA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 10/01/2001 10/31/2004 IF OCT=1
Included observations: 124 after adjusting endpoints
Convergence achieved after 12 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.998627	0.738105	2.707781	0.0078
HDD	0.127627	0.008442	15.11903	0
WE	-0.051497	0.051064	-1.008489	0.3152
AR(1)	0.933708	0.052732	17.70674	0

R-squared	0.928404	Mean dependent var	2.911462
Adjusted R-squared	0.926614	S.D. dependent var	1.03432
S.E. of regression	0.280196	Akaike info criterion	0.325071
Sum squared resid	9.421175	Schwarz criterion	0.416048
Log likelihood	-16.15443	F-statistic	518.6892
Durbin-Watson stat	2.164167	Prob(F-statistic)	0

Inverted AR Roots	0.93

FIRM EQUATIONS

EQFRMNOVA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 11/01/2001 11/30/2004 IF NOV=1
Included observations: 120 after adjusting endpoints
Convergence achieved after 8 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.609843	0.188787	8.527281	0
HDD	0.155107	0.007671	20.22084	0
WE	-0.033385	0.047719	-0.699621	0.4856
AR(1)	0.779874	0.057036	13.67326	0

R-squared	0.940602	Mean dependent var	4.688467
Adjusted R-squared	0.939066	S.D. dependent var	1.028555
S.E. of regression	0.253898	Akaike info criterion	0.128993
Sum squared resid	7.477819	Schwarz criterion	0.22191
Log likelihood	-3.739589	F-statistic	612.3077
Durbin-Watson stat	1.784237	Prob(F-statistic)	0

Inverted AR Roots	0.78

FIRM EQUATIONS

EQFRMDECA
Dependent Variable: FRMPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 12/01/2001 12/31/2004 IF DEC=1
Included observations: 124 after adjusting endpoints
Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.493262	0.209806	11.88363	0
HDD	0.137045	0.008129	16.85881	0
WE	-0.114455	0.056206	-2.03635	0.0439
AR(1)	0.731524	0.06398	11.43367	0

R-squared	0.861187	Mean dependent var	5.553854
Adjusted R-squared	0.857716	S.D. dependent var	0.771059
S.E. of regression	0.290848	Akaike info criterion	0.399692
Sum squared resid	10.15108	Schwarz criterion	0.490668
Log likelihood	-20.78088	F-statistic	248.1564
Durbin-Watson stat	2.071023	Prob(F-statistic)	0

Inverted AR Roots	0.73

INTERRUPTIBLE EQUATIONS

GasEQ1
Dependent Variable: INTPC
Method: Least Squares
Date: 12/15/05 Time: 14:39
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 16 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
JANHDD	9.823951	0.486354	20.19918	0
FEBHDD	10.04178	0.511026	19.65022	0
MARHDD	9.437149	0.556158	16.96847	0
APRHDD	10.10761	0.451229	22.40019	0
MAYHDD	9.179838	0.601831	15.25318	0
JUNHDD	7.031658	0.847368	8.298235	0
SEPHDD	7.335722	1.008016	7.277388	0
OCTHDD	9.157702	0.560798	16.32976	0
NOVHDD	8.699548	0.558822	15.56767	0
DECHDD	10.34406	0.516803	20.01547	0
WE	-53.69182	2.108867	-25.46004	0
HOL	-39.22869	5.963995	-6.577585	0
DWIN	15.69438	10.81052	1.451769	0.1468
TRENDM	0.09577	0.00203	47.17834	0
D010404	-303.2884	36.56934	-8.293515	0
D010504	-553.2135	41.08068	-13.46651	0
D010604	-312.7893	36.46546	-8.577688	0
D010405	-530.291	34.79175	-15.24186	0
D010505	-296.2143	34.87235	-8.494244	0
AR(1)	0.63557	0.020681	30.73237	0

R-squared	0.89836	Mean dependent var	303.3971
Adjusted R-squared	0.897213	S.D. dependent var	114.4789
S.E. of regression	36.70238	Akaike info criterion	10.05523
Sum squared resid	2268457	Schwarz criterion	10.11909
Log likelihood	-8547.054	Durbin-Watson stat	1.932513

Inverted AR Roots	0.64

INTERRUPTIBLE

GasEQ2
Dependent Variable: INTPC
Method: Least Squares
Date: 12/15/05 Time: 14:39
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 32 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-35600.71	2596.391	-13.71161	0
JAN	25.75046	28.91319	0.890613	0.3733
FEB	-6.666145	34.41249	-0.193713	0.8464
MAR	-28.20531	28.62189	-0.985445	0.3245
APR	-40.18927	26.90591	-1.493697	0.1354
MAY	-19.05017	25.27144	-0.753822	0.4511
JUN	-25.49299	24.58998	-1.036723	0.3
JUL	-11.63942	23.97471	-0.485488	0.6274
AUG	-19.63384	23.97714	-0.818857	0.413
SEP	-22.67314	25.14734	-0.901612	0.3674
OCT	-36.51404	26.83698	-1.360586	0.1738
NOV	-38.924	30.61552	-1.271381	0.2038
JANHDD	8.922645	0.745436	11.9697	0
FEBHDD	10.60736	1.084366	9.782092	0
MARHDD	10.92907	0.823699	13.26829	0
APRHDD	11.30095	0.780837	14.47287	0
MAYHDD	9.416724	0.799809	11.77371	0
JUNHDD	7.780129	0.962771	8.080974	0
SEPHDD	7.657259	1.23645	6.192938	0
OCTHDD	10.28111	0.90516	11.35834	0
NOVHDD	10.49426	0.931234	11.26921	0
DECHDD	10.39252	0.992776	10.46814	0
WE	-55.46266	2.24332	-24.72347	0
HOL	-42.58894	5.991957	-7.107686	0
TRENDM	17.87544	1.295799	13.79492	0
D010404	-319.2977	36.58346	-8.727924	0
D010504	-570.0354	40.02467	-14.2421	0
D010604	-320.2189	36.24308	-8.835313	0
D010405	-538.0245	34.58508	-15.55655	0
D010505	-301.9419	34.7861	-8.679959	0
AR(1)	0.500727	0.025107	19.9441	0

R-squared	0.906727	Mean dependent var	303.3971
Adjusted R-squared	0.905054	S.D. dependent var	114.4789
S.E. of regression	35.27466	Akaike info criterion	9.982232
Sum squared resid	2081716	Schwarz criterion	10.08121
Log likelihood	-8473.861	F-statistic	542.1199
Durbin-Watson stat	1.867478	Prob(F-statistic)	0

Inverted AR Roots	0.5

INTERRUPTIBLE EQUATIONS

GasEQ3
Dependent Variable: INTPC
Method: Least Squares
Date: 12/15/05 Time: 14:39
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 30 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-29982.27	6672.017	-4.493734	0
JANHDD	10.84517	0.234316	46.28436	0
FEBHDD	11.09488	0.243307	45.60042	0
MARHDD	10.4477	0.272274	38.37204	0
APRHDD	10.04905	0.322634	31.14687	0
MAYHDD	9.068946	0.448861	20.20436	0
JUNHDD	6.752856	0.672523	10.04107	0
SEPHDD	7.653652	0.798077	9.590116	0
OCTHDD	9.225799	0.410128	22.49494	0
NOVHDD	9.320044	0.291645	31.95678	0
DECHDD	11.14478	0.256491	43.45088	0
WE	-56.49734	2.274727	-24.83697	0
HOL	-44.43212	5.985059	-7.42384	0
TRENDM	15.32351	3.373024	4.542958	0
PCY96	0.007678	0.012135	0.632702	0.527
INTRTR	31418.15	4173.689	7.527668	0
WSEMP	-0.555038	0.256524	-2.163692	0.0306
D010404	-357.1183	35.44126	-10.07634	0
D010504	-610.4681	38.17764	-15.9902	0
D010604	-350.4172	35.12406	-9.976558	0
D010405	-552.9727	34.35759	-16.09463	0
D010505	-321.9977	34.40289	-9.359611	0
AR(1)	0.441176	0.026182	16.8504	0

R-squared	0.909154	Mean dependent var	303.3971
Adjusted R-squared	0.907965	S.D. dependent var	114.4789
S.E. of regression	34.72975	Akaike info criterion	9.946476
Sum squared resid	2027547	Schwarz criterion	10.01991
Log likelihood	-8451.398	F-statistic	764.6754
Durbin-Watson stat	1.853388	Prob(F-statistic)	0

Inverted AR Roots	0.44

INTERRUPTIBLE EQUATIONS

GasEQ4
Dependent Variable: INTPC
Method: Least Squares
Date: 12/15/05 Time: 14:39
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 23 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-38420.18	2904.589	-13.22741	0
JANHDD	10.73118	0.257332	41.70172	0
FEBHDD	11.08834	0.267502	41.45142	0
MARHDD	10.4475	0.297509	35.11659	0
APRHDD	10.17373	0.350578	29.01985	0
MAYHDD	9.470835	0.483089	19.60472	0
JUNHDD	7.235458	0.718054	10.07647	0
SEPHDD	7.469107	0.849974	8.787457	0
OCTHDD	9.265887	0.444518	20.84481	0
NOVHDD	9.635767	0.315005	30.58927	0
DECHDD	11.08325	0.283107	39.14859	0
WE	-55.57726	2.227412	-24.9515	0
HOL	-42.803	5.988995	-7.146942	0
TRENDM	19.7892	1.570366	12.60165	0
COMIPCT	-1097.533	486.4756	-2.25609	0.0242
D010404	-339.5964	35.76071	-9.496355	0
D010504	-592.0882	39.07017	-15.15448	0
D010604	-338.4155	35.54387	-9.521066	0
D010405	-542.3445	34.56691	-15.6897	0
D010505	-310.9225	34.61997	-8.981016	0
AR(1)	0.497007	0.024601	20.20293	0

R-squared	0.906125	Mean dependent var	303.3971
Adjusted R-squared	0.90501	S.D. dependent var	114.4789
S.E. of regression	35.28296	Akaike info criterion	9.976924
Sum squared resid	2095145	Schwarz criterion	10.04398
Log likelihood	-8479.34	F-statistic	812.2579
Durbin-Watson stat	1.872305	Prob(F-statistic)	0

Inverted AR Roots	0.5

INTERRUPTIBLE EQUATIONS

GasEQ5
Dependent Variable: INTPC
Method: Least Squares
Date: 12/15/05 Time: 14:39
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 27 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-35840.96	2555.012	-14.0277	0
JANHDD	10.90282	0.261626	41.67333	0
FEBHDD	11.21031	0.277769	40.35833	0
MARHDD	10.71374	0.307815	34.80582	0
APRHDD	10.34084	0.37718	27.41619	0
MAYHDD	9.760865	0.52794	18.48858	0
JUNHDD	7.623051	0.781624	9.752842	0
SEPHDD	7.203977	0.923778	7.798384	0
OCTHDD	9.38257	0.457461	20.51008	0
NOVHDD	9.682667	0.327331	29.58064	0
DECHDD	11.36717	0.282302	40.26605	0
JANHDDIF	-3.561374	3.03411	-1.173779	0.2407
FEBHDDIF	0.830072	3.0425	0.272826	0.785
MARHDDIF	-3.373419	3.054247	-1.104501	0.2695
APRHDDIF	-0.508009	2.964898	-0.171341	0.864
MAYHDDIF	-1.683865	2.82131	-0.596838	0.5507
JUNHDDIF	-1.725489	3.621813	-0.476416	0.6338
JULHDDIF	11.71401	3.645554	3.213232	0.0013
AUGHDDIF	4.331087	3.641127	1.189491	0.2344
SEPHDDIF	4.25898	3.781951	1.126133	0.2603
OCTHDDIF	0.306702	3.312321	0.092594	0.9262
NOVHDDIF	1.130677	3.287326	0.34395	0.7309
DECHDDIF	-9.769686	2.926923	-3.337868	0.0009
WE	-56.08601	2.228739	-25.16491	0
HOL	-43.39902	5.999245	-7.234079	0
TRENDM	17.98456	1.275233	14.10296	0
D010404	-341.1366	35.65708	-9.567148	0
D010504	-597.6204	39.02889	-15.31226	0
D010604	-343.5284	35.53576	-9.66712	0
D010405	-541.1608	34.53419	-15.67029	0
D010505	-303.5801	35.37844	-8.580934	0
AR(1)	0.495779	0.024759	20.0243	0

R-squared	0.907347	Mean dependent var	303.3971
Adjusted R-squared	0.905629	S.D. dependent var	114.4789
S.E. of regression	35.16768	Akaike info criterion	9.976733
Sum squared resid	2067873	Schwarz criterion	10.07891
Log likelihood	-8468.177	F-statistic	528.1897
Durbin-Watson stat	1.877126	Prob(F-statistic)	0

Inverted AR Roots	0.5

INTERRUPTIBLE EQUATIONS

GasEQ6
Dependent Variable: INTPC
Method: Least Squares
Date: 12/15/05 Time: 14:39
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 22 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-35473.1	2579.795	-13.75036	0
JANNHDD	10.67434	0.261454	40.82685	0
FEBNHDD	11.1316	0.274668	40.52745	0
MARNHDD	10.51191	0.305183	34.44462	0
APRNHDD	10.27784	0.367195	27.99016	0
MAYNHDD	9.670546	0.517972	18.67	0
JUNNHDD	7.266021	0.775815	9.365657	0
SEPNHDD	7.068778	0.923414	7.655046	0
OCTNHDD	9.070413	0.45851	19.78235	0
NOVNHDD	9.578648	0.324435	29.52405	0
DECNHDD	11.07571	0.283392	39.08261	0
WE	-56.07185	2.258234	-24.82995	0
HOL	-43.46622	6.117361	-7.105388	0
TRENDM	17.80442	1.287617	13.82743	0
D010404	-337.1507	36.43381	-9.253788	0
D010504	-599.6732	39.78126	-15.07426	0
D010604	-346.3201	36.26433	-9.549882	0
D010405	-534.7077	35.25957	-15.1649	0
D010505	-283.4121	35.27219	-8.035002	0
AR(1)	0.490176	0.02462	19.9093	0

R-squared	0.9024	Mean dependent var	303.3971
Adjusted R-squared	0.901299	S.D. dependent var	114.4789
S.E. of regression	35.9655	Akaike info criterion	10.01466
Sum squared resid	2178283	Schwarz criterion	10.07852
Log likelihood	-8512.495	F-statistic	819.4812
Durbin-Watson stat	1.882901	Prob(F-statistic)	0

Inverted AR Roots	0.49

INTERRUPTIBLE EQUATIONS

GasEQ7
Dependent Variable: INTPC
Method: Least Squares
Date: 12/15/05 Time: 14:39
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 24 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-35610.03	2594.549	-13.72494	0
JANPHDD	10.92402	0.263173	41.50895	0
FEBPHDD	11.31339	0.273092	41.42695	0
MARPHDD	10.73442	0.304535	35.24857	0
APRPHDD	10.47733	0.362358	28.91431	0
MAYPHDD	9.83078	0.503863	19.51083	0
JUNPHDD	7.599067	0.756025	10.05135	0
SEPPHDD	7.76445	0.882733	8.795917	0
OCTPHDD	9.444629	0.453256	20.8373	0
NOVPHDD	9.804164	0.321772	30.46932	0
DECPHDD	11.38921	0.286477	39.75608	0
WE	-55.317	2.242264	-24.67016	0
HOL	-42.27557	6.039673	-6.999644	0
TRENDM	17.86828	1.29496	13.79833	0
D010404	-342.201	36.10075	-9.479055	0
D010504	-597.8807	39.45955	-15.15174	0
D010604	-342.6761	35.88127	-9.550278	0
D010405	-543.3304	34.88048	-15.57692	0
D010505	-309.0182	34.92622	-8.847743	0
AR(1)	0.498022	0.024524	20.30731	0

R-squared	0.904321	Mean dependent var	303.3971
Adjusted R-squared	0.903241	S.D. dependent var	114.4789
S.E. of regression	35.60986	Akaike info criterion	9.99479
Sum squared resid	2135416	Schwarz criterion	10.05865
Log likelihood	-8495.561	F-statistic	837.7108
Durbin-Watson stat	1.879657	Prob(F-statistic)	0

Inverted AR Roots	0.5

INTERRUPTIBLE EQUATIONS

GasEQ8 - Monthly
EQINTJANA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 1/01/2001 1/31/2005 IF JAN=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 8 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	304.21	36.96231	8.230276	0
HDD	5.123576	1.536324	3.334959	0.0011
WE	-70.73443	13.35834	-5.295153	0
AR(1)	0.563196	0.068684	8.19977	0

R-squared	0.437388	Mean dependent var	398.7487
Adjusted R-squared	0.426211	S.D. dependent var	95.69488
S.E. of regression	72.4878	Akaike info criterion	11.43018
Sum squared resid	793426.7	Schwarz criterion	11.50872
Log likelihood	-881.839	F-statistic	39.1304
Durbin-Watson stat	1.666713	Prob(F-statistic)	0

Inverted AR Roots	0.56

INTERRUPTIBLE EQUATIONS

EQINTFEBA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 2/01/2001 2/28/2005 IF FEB=1
Included observations: 141 after adjusting endpoints
Convergence achieved after 22 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	241.7604	36.39431	6.642809	0
HDD	9.019008	1.523475	5.920025	0
WE	-73.80526	9.835087	-7.504282	0
AR(1)	0.606104	0.077178	7.853295	0

R-squared	0.67697	Mean dependent var	428.2263
Adjusted R-squared	0.669897	S.D. dependent var	81.56091
S.E. of regression	46.86052	Akaike info criterion	10.56019
Sum squared resid	300839.4	Schwarz criterion	10.64384
Log likelihood	-740.4932	F-statistic	95.70315
Durbin-Watson stat	1.95563	Prob(F-statistic)	0

Inverted AR Roots	0.61

INTERRUPTIBLE EQUATIONS

EQINTMARA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 3/01/2001 3/31/2005 IF MAR=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 30 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	204.0283	22.5289	9.056294	0
HDD	9.90168	1.086429	9.113972	0
WE	-71.94297	8.594582	-8.370735	0
AR(1)	0.601022	0.073925	8.130108	0

R-squared	0.738197	Mean dependent var	372.869
Adjusted R-squared	0.732995	S.D. dependent var	83.36912
S.E. of regression	43.0789	Akaike info criterion	10.38941
Sum squared resid	280224.6	Schwarz criterion	10.46795
Log likelihood	-801.1794	F-statistic	141.923
Durbin-Watson stat	2.000314	Prob(F-statistic)	0

INTERRUPTIBLE EQUATIONS

EQINTAPRA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 4/01/2001 4/30/2005 IF APR=1
Included observations: 150 after adjusting endpoints
Convergence achieved after 15 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	170.0906	16.90224	10.0632	0
HDD	11.18553	0.902909	12.38832	0
WE	-61.06929	6.983279	-8.745073	0
AR(1)	0.688373	0.063845	10.78189	0

R-squared	0.759227	Mean dependent var	329.2185
Adjusted R-squared	0.75428	S.D. dependent var	74.64548
S.E. of regression	37.00192	Akaike info criterion	10.08612
Sum squared resid	199894.7	Schwarz criterion	10.1664
Log likelihood	-752.4591	F-statistic	153.46
Durbin-Watson stat	2.076906	Prob(F-statistic)	0

Inverted AR Roots	0.69

INTERRUPTIBLE EQUATIONS

EQINTMAYA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 5/01/2001 5/31/2005 IF MAY=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 12 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	191.4812	12.01103	15.94211	0
HDD	8.782302	0.807178	10.88026	0
WE	-41.95684	5.738183	-7.311869	0
AR(1)	0.711647	0.06197	11.4837	0

R-squared	0.77216	Mean dependent var	269.8628
Adjusted R-squared	0.767633	S.D. dependent var	65.44234
S.E. of regression	31.54613	Akaike info criterion	9.766246
Sum squared resid	150268.9	Schwarz criterion	9.844786
Log likelihood	-752.8841	F-statistic	170.5816
Durbin-Watson stat	1.92628	Prob(F-statistic)	0

Inverted AR Roots	0.71

INTERRUPTIBLE EQUATIONS

EQINTJUNA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 6/01/2001 6/30/2005 IF JUN=1
Included observations: 150 after adjusting endpoints
Convergence achieved after 10 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	184.8656	8.667598	21.32835	0
HDD	7.127277	0.725829	9.819497	0
WE	-37.19425	4.472945	-8.315383	0
AR(1)	0.73603	0.056839	12.9495	0

R-squared	0.743069	Mean dependent var	213.928
Adjusted R-squared	0.737789	S.D. dependent var	48.65
S.E. of regression	24.91196	Akaike info criterion	9.294878
Sum squared resid	90608.46	Schwarz criterion	9.375162
Log likelihood	-693.1159	F-statistic	140.7485
Durbin-Watson stat	2.192495	Prob(F-statistic)	0

Inverted AR Roots	0.74

INTERRUPTIBLE EQUATIONS

EQINTJULA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 7/01/2001 7/31/2005 IF JUL=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 10 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	178.6114	6.171584	28.94093	0
HDD	5.216296	0.876576	5.950762	0
WE	-26.59073	3.554478	-7.480909	0
AR(1)	0.722199	0.055891	12.92157	0

R-squared	0.616931	Mean dependent var	182.9397
Adjusted R-squared	0.60932	S.D. dependent var	32.2751
S.E. of regression	20.17336	Akaike info criterion	8.87207
Sum squared resid	61451.61	Schwarz criterion	8.95061
Log likelihood	-683.5854	F-statistic	81.06155
Durbin-Watson stat	2.068331	Prob(F-statistic)	0

Inverted AR Roots	0.72

INTERRUPTIBLE EQUATIONS

EQINTAUGA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 8/01/2001 8/31/2005 IF AUG=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 11 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	178.9264	7.428934	24.08507	0
HDD	5.068071	0.91825	5.519273	0
WE	-27.46561	3.309073	-8.300093	0
AR(1)	0.79107	0.054337	14.55864	0

R-squared	0.694203	Mean dependent var	179.527
Adjusted R-squared	0.688127	S.D. dependent var	33.77935
S.E. of regression	18.86427	Akaike info criterion	8.737884
Sum squared resid	53734.99	Schwarz criterion	8.816424
Log likelihood	-673.186	F-statistic	114.2637
Durbin-Watson stat	1.925455	Prob(F-statistic)	0

Inverted AR Roots	0.79

INTERRUPTIBLE EQUATIONS

EQINTSEPA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 9/01/2001 9/30/2004 IF SEP=1
Included observations: 120 after adjusting endpoints
Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	177.8566	9.228042	19.27349	0
HDD	7.464122	0.986592	7.565559	0
WE	-33.9272	5.300745	-6.400458	0
AR(1)	0.651774	0.077312	8.430493	0

R-squared	0.737445	Mean dependent var	207.4703
Adjusted R-squared	0.730655	S.D. dependent var	49.25289
S.E. of regression	25.56149	Akaike info criterion	9.352816
Sum squared resid	75793.23	Schwarz criterion	9.445733
Log likelihood	-557.169	F-statistic	108.6041
Durbin-Watson stat	2.119968	Prob(F-statistic)	0

Inverted AR Roots	0.65

INTERRUPTIBLE EQUATIONS

EQINTOCTA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 10/01/2001 10/31/2004 IF OCT=1
Included observations: 124 after adjusting endpoints
Convergence achieved after 10 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	194.656	17.87747	10.88834	0
HDD	8.469635	1.03266	8.201769	0
WE	-48.64991	6.911407	-7.039075	0
AR(1)	0.725459	0.07263	9.988355	0

R-squared	0.779548	Mean dependent var	286.7205
Adjusted R-squared	0.774037	S.D. dependent var	69.36716
S.E. of regression	32.97408	Akaike info criterion	9.861047
Sum squared resid	130474.8	Schwarz criterion	9.952024
Log likelihood	-607.3849	F-statistic	141.4455
Durbin-Watson stat	1.988572	Prob(F-statistic)	0

Inverted AR Roots	0.73

INTERRUPTIBLE EQUATIONS

EQINTNOVA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 11/01/2001 11/30/2004 IF NOV=1
Included observations: 120 after adjusting endpoints
Convergence achieved after 16 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	181.8837	32.20041	5.648491	0
HDD	9.98397	1.432467	6.969773	0
WE	-58.11163	10.09512	-5.756409	0
AR(1)	0.697561	0.074531	9.3594	0

R-squared	0.750706	Mean dependent var	364.9127
Adjusted R-squared	0.744258	S.D. dependent var	94.67321
S.E. of regression	47.87709	Akaike info criterion	10.60792
Sum squared resid	265897.1	Schwarz criterion	10.70083
Log likelihood	-632.475	F-statistic	116.4378
Durbin-Watson stat	1.682298	Prob(F-statistic)	0

Inverted AR Roots	0.7

INTERRUPTIBLE EQUATIONS

EQINTDECA
Dependent Variable: INTPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 12/01/2001 12/31/2004 IF DEC=1
Included observations: 124 after adjusting endpoints
Convergence achieved after 93 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	224.659	32.91294	6.825856	0
HDD	9.85865	1.396975	7.057139	0
WE	-72.50378	11.77416	-6.157875	0
AR(1)	0.509746	0.096426	5.286406	0

R-squared	0.617852	Mean dependent var	429.7231
Adjusted R-squared	0.608298	S.D. dependent var	78.2158
S.E. of regression	48.95221	Akaike info criterion	10.65129
Sum squared resid	287558.3	Schwarz criterion	10.74227
Log likelihood	-656.3801	F-statistic	64.67144
Durbin-Watson stat	1.733074	Prob(F-statistic)	0

Inverted AR Roots	0.51

TRANSPORTATION EQUATIONS

GasEQ1
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 8 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
JANHDD	50.54221	4.826765	10.47124	0
FEBHDD	47.93759	5.073226	9.449133	0
MARHDD	44.08445	5.475623	8.051038	0
APRHDD	43.12002	4.653357	9.266433	0
MAYHDD	24.42556	6.081665	4.016261	0.0001
SEPHDD	31.09353	10.0589	3.091147	0.002
OCTHDD	43.16353	5.758658	7.495415	0
NOVHDD	33.88528	5.503365	6.157193	0
DECHDD	35.18397	5.095065	6.905499	0
WE	-889.5044	18.57779	-47.87999	0
HOL	-1008.543	56.61955	-17.81263	0
DWIN	-6.634254	107.0696	-0.061962	0.9506
TRENDM	2.044366	0.021127	96.76432	0
D010404	-2074.514	347.1784	-5.975355	0
D010504	-4100.577	392.4181	-10.44951	0
D010604	-2871.227	346.7159	-8.281209	0
D010405	-3286.914	330.1878	-9.954681	0
D010505	-2338.582	330.882	-7.067723	0
AR(1)	0.684618	0.018086	37.85385	0

R-squared	0.819052	Mean dependent var	4321.591
Adjusted R-squared	0.817119	S.D. dependent var	826.695
S.E. of regression	3.54E+02	Akaike info criterion	14.58492
Sum squared resid	2.11E+08	Schwarz criterion	14.64558
Log likelihood	-12407.35	Durbin-Watson stat	2.006567

Inverted AR Roots	0.68		
Log likelihood	-8451.398	F-statistic	764.6754
Durbin-Watson stat	1.853388	Prob(F-statistic)	0

Inverted AR Roots	0.44

TRANSPORTATION EQUATIONS

GasEQ2
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	218557.2	36635.07	5.96579	0
JAN	350.1701	300.9752	1.163452	0.2448
FEB	280.726	352.3152	0.796803	0.4257
MAR	394.7873	296.1208	1.333197	0.1826
APR	251.0018	278.1199	0.902495	0.3669
MAY	195.2814	260.7443	0.748939	0.454
JUN	356.2391	247.5359	1.439141	0.1503
JUL	289.4823	247.4114	1.170044	0.2421
AUG	302.0225	247.3353	1.221105	0.2222
SEP	296.7521	260.7996	1.137855	0.2553
OCT	520.1808	279.1576	1.863395	0.0626
NOV	300.9872	319.9233	0.94081	0.3469
JANHDD	46.20819	7.90324	5.846739	0
FEBHDD	47.67637	11.08916	4.299365	0
MARHDD	38.69729	8.454886	4.576915	0
APRHDD	44.99558	8.116487	5.543726	0
MAYHDD	30.24667	8.393768	3.603467	0.0003
SEPHDD	33.10314	12.80409	2.585356	0.0098
OCTHDD	31.21062	9.371185	3.330488	0.0009
NOVHDD	33.41119	9.692466	3.44713	0.0006
DECHDD	46.69748	9.769616	4.779868	0
WE	-891.5975	18.7223	-47.62222	0
HOL	-1015.562	56.9371	-17.83655	0
TRENDM	-107.2016	18.28506	-5.862798	0
D010404	-2023.804	351.4845	-5.757878	0
D010504	-4047.223	394.9604	-10.24716	0
D010604	-2828.454	350.3674	-8.072824	0
D010405	-3279.547	331.1857	-9.902442	0
D010505	-2319.868	332.8285	-6.970158	0
AR(1)	0.650596	0.019075	34.10742	0

R-squared	0.823166	Mean dependent var	4321.591
Adjusted R-squared	8.20E-01	S.D. dependent var	826.695
S.E. of regression	350.6369	Akaike info criterion	14.57483
Sum squared resid	2.06E+08	Schwarz criterion	14.67062
Log likelihood	-12387.75	F-statistic	268.7073
Durbin-Watson stat	1.978145	Prob(F-statistic)	0

Inverted AR Roots	0.65

TRANSPORTATION EQUATIONS

GasEQ3
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 19 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-51637.89	93198.45	-0.554064	0.5796
JANHDD	46.78827	3.285734	14.23982	0
FEBHDD	45.79895	3.667506	12.48776	0
MARHDD	43.49566	3.65712	11.89342	0
APRHDD	41.30409	4.589806	8.999093	0
MAYHDD	22.89081	5.757005	3.976166	0.0001
SEPHDD	28.7408	9.581144	2.999725	0.0027
OCTHDD	42.66015	5.391382	7.912656	0
NOVHDD	31.73996	3.856639	8.229951	0
DECHDD	33.17637	3.452833	9.60845	0
WE	-895.2686	18.72475	-47.81204	0
HOL	-1024.297	57.0441	-17.95623	0
TRENDM	31.6416	47.3826	0.66779	0.5044
PCY96	-0.539299	0.170364	-3.165574	0.0016
TRNRTR	-1298378	991297.5	-1.309776	0.1905
WSEMP	8.859422	3.097882	2.859832	0.0043
D010404	-2046.62	345.4227	-5.924973	0
D010504	-4080.493	387.4134	-10.53266	0
D010604	-2855.349	345.0925	-8.274155	0
D010405	-3298.824	331.4548	-9.95256	0
D010505	-2340.714	331.9558	-7.051282	0
AR(1)	0.631186	0.019414	32.51165	0

R-squared	0.823892	Mean dependent var	4321.591
Adjusted R-squared	0.821693	S.D. dependent var	826.695
S.E. of regression	349.0837	Akaike info criterion	14.56133
Sum squared resid	2.05E+08	Schwarz criterion	14.63157
Log likelihood	-12384.25	F-statistic	374.7114
Durbin-Watson stat	1.972702	Prob(F-statistic)	0

Inverted AR Roots	0.63

TRANSPORTATION EQUATIONS

GasEQ4
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	81461.8	48473.85	1.680531	0.093
JANHDD	46.71228	3.151507	14.8222	0
FEBHDD	45.49645	3.293695	13.8132	0
MARHDD	41.76485	3.586465	11.64513	0
APRHDD	41.03568	4.17082	9.838756	0
MAYHDD	22.12141	5.596173	3.952952	0.0001
SEPHDD	31.47889	9.46673	3.325213	0.0009
OCTHDD	44.01784	5.221349	8.430358	0
NOVHDD	34.35152	3.782738	9.081126	0
DECHDD	35.1607	3.397604	10.34868	0
WE	-894.44	18.69509	-47.84358	0
HOL	-1020.845	56.95379	-17.92409	0
TRENDM	-38.23301	24.26207	-1.575835	0.1153
COMTPCT	-3101.145	764.5219	-4.056319	0.0001
D010404	-2018.761	344.9157	-5.852912	0
D010504	-4043.419	386.8449	-10.4523	0
D010604	-2827.086	344.5871	-8.204271	0
D010405	-3299.367	331.0109	-9.967546	0
D010505	-2341.058	331.4931	-7.06216	0
AR(1)	0.631229	0.019286	32.73047	0

R-squared	0.824137	Mean dependent var	4321.591
Adjusted R-squared	0.822153	S.D. dependent var	826.695
S.E. of regression	348.6332	Akaike info criterion	14.55759
Sum squared resid	2.05E+08	Schwarz criterion	14.62144
Log likelihood	-12383.06	F-statistic	415.3494
Durbin-Watson stat	1.972038	Prob(F-statistic)	0

Inverted AR Roots	0.63
Inverted AR Roots	0.44

TRANSPORTATION EQUATIONS

GasEQ5
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	216491	36444.55	5.940285	0
JANHDD	49.12456	3.315919	14.81477	0
FEBHDD	47.78193	3.480461	13.72862	0
MARHDD	44.77163	3.789868	11.81351	0
APRHDD	41.28349	4.530162	9.113027	0
MAYHDD	28.9541	6.14894	4.708795	0
SEPHDD	28.94586	10.11536	2.861575	0.0043
OCTHDD	43.29994	5.459297	7.931414	0
NOVHDD	34.29514	4.011816	8.548531	0
DECHDD	35.10527	3.554689	9.875765	0
JANHDDIF	-23.79712	28.48554	-0.835411	0.4036
FEBHDDIF	-17.80915	28.56527	-0.623455	0.5331
MARHDDIF	-54.83525	28.25099	-1.941003	0.0524
APRHDDIF	34.2507	27.91026	1.227172	0.2199
MAYHDDIF	-53.34705	26.38644	-2.02176	0.0434
JUNHDDIF	44.46129	31.84623	1.396124	0.1629
JULHDDIF	61.94119	35.28437	1.755485	0.0794
AUGHDDIF	73.64566	35.57448	2.070182	0.0386
SEPHDDIF	38.45107	35.65113	1.078537	0.2809
OCTHDDIF	18.30425	31.43724	0.582247	0.5605
NOVHDDIF	4.38671	30.61711	0.143276	0.8861
DECHDDIF	24.05551	27.14668	0.886131	0.3757
WE	-896.5832	18.65865	-48.05188	0
HOL	-1025.204	56.88018	-18.02393	0
TRENDM	-106.0261	18.19074	-5.828573	0
D010404	-2046.078	344.1446	-5.945402	0
D010504	-4098.196	388.3262	-10.55349	0
D010604	-2875.078	345.0925	-8.331326	0
D010405	-3263.315	330.4268	-9.876062	0
D010505	-2265.098	339.1906	-6.677951	0
AR(1)	0.65118	0.018947	34.3688	0

R-squared	0.824783	Mean dependent var	4321.591
Adjusted R-squared	0.821641	S.D. dependent var	826.695
S.E. of regression	349.1349	Akaike info criterion	14.56682
Sum squared resid	2.04E+08	Schwarz criterion	14.6658
Log likelihood	-12379.93	F-statistic	262.5047
Durbin-Watson stat	1.979758	Prob(F-statistic)	0

Inverted AR Roots	0.65

TRANSPORTATION EQUATIONS

GasEQ6
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	220374.9	36651.09	6.012779	0
JANNHDD	47.631	3.311192	14.38485	0
FEBNHDD	46.38669	3.473526	13.35435	0
MARNHDD	42.67992	3.782406	11.2838	0
APRNHDD	41.59135	4.47206	9.300267	0
MAYNHDD	25.66309	6.105174	4.203499	0
SEPNHDD	25.92882	10.13657	2.557949	0.0106
OCTNHDD	40.71452	5.455377	7.46319	0
NOVNHDD	32.8368	4.002588	8.203891	0
DECNHDD	33.29357	3.553489	9.369263	0
WE	-894.4195	18.69699	-47.83762	0
HOL	-1016.254	56.97188	-17.83782	0
TRENDM	-107.9445	18.29393	-5.900566	0
D010404	-2028.503	346.2394	-5.858671	0
D010504	-4100.318	390.0287	-10.51286	0
D010604	-2881.224	346.3495	-8.318832	0
D010405	-3238.199	331.4244	-9.77055	0
D010505	-2189.786	331.4991	-6.605708	0
AR(1)	0.651216	0.018877	34.49764	0

R-squared	0.821331	Mean dependent var	4321.591
Adjusted R-squared	0.819423	S.D. dependent var	826.695
S.E. of regression	351.299	Akaike info criterion	14.57224
Sum squared resid	2.08E+08	Schwarz criterion	14.63291
Log likelihood	-12396.55	F-statistic	430.3259
Durbin-Watson stat	1.987934	Prob(F-statistic)	0

Inverted AR Roots	0.65

TRANSPORTATION EQUATIONS

GasEQ7
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/15/05 Time: 13:53
Sample: 1/01/2001 8/31/2005
Included observations: 1704
Convergence achieved after 8 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	218838.1	36510.76	5.993798	0
JANPHDD	48.57187	3.29703	14.73201	0
FEBPHDD	47.22944	3.433748	13.75449	0
MARPHDD	43.42392	3.765374	11.53243	0
APRPHDD	43.1671	4.417988	9.770761	0
MAYPHDD	24.56777	6.02135	4.080109	0
SEPPHDD	31.63785	10.30345	3.070608	0.0022
OCTPHDD	43.23944	5.422647	7.973862	0
NOVPHDD	34.32801	3.949562	8.6916	0
DECPHDD	35.44985	3.553319	9.976546	0
WE	-891.5908	18.64099	-47.82958	0
HOL	-1015.324	56.76583	-17.88618	0
TRENDM	-107.1945	18.22369	-5.882151	0
D010404	-2045.604	345.1801	-5.926192	0
D010504	-4085.129	388.4993	-10.51515	0
D010604	-2858.537	344.9525	-8.286755	0
D010405	-3281.859	330.5282	-9.929133	0
D010505	-2313.865	330.9481	-6.991626	0
AR(1)	0.650838	0.018853	34.52127	0

R-squared	0.822489	Mean dependent var	4321.591
Adjusted R-squared	0.820593	S.D. dependent var	826.695
S.E. of regression	350.1589	Akaike info criterion	14.56574
Sum squared resid	2.07E+08	Schwarz criterion	14.6264
Log likelihood	-12391.01	F-statistic	433.7431
Durbin-Watson stat	1.983013	Prob(F-statistic)	0

Inverted AR Roots	0.65

TRANSPORTATION EQUATIONS

GasEQ8 - Monthly
EQTRNJANA
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 1/01/2001 1/31/2005 IF JAN=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 7 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4711.801	326.2711	14.44137	0
HDD	14.33116	12.85327	1.114982	0.2666
WE	-751.9538	98.28897	-7.650439	0
AR(1)	0.694528	0.054236	12.80561	0

R-squared	0.604323	Mean dependent var	4703.832
Adjusted R-squared	0.596462	S.D. dependent var	887.9215
S.E. of regression	564.0487	Akaike info criterion	15.53363
Sum squared resid	48040793	Schwarz criterion	15.61217
Log likelihood	-1199.856	F-statistic	76.87494
Durbin-Watson stat	1.704486	Prob(F-statistic)	0

Inverted AR Roots	0.69

TRANSPORTATION EQUATIONS

EQTRNFEBA
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 2/01/2001 2/28/2005 IF FEB=1
Included observations: 141 after adjusting endpoints
Convergence achieved after 6 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4107.3	314.9649	13.0405	0
HDD	49.62439	12.5771	3.945614	0.0001
WE	-924.1344	68.73358	-13.44517	0
AR(1)	0.730859	0.060637	12.05298	0

R-squared	0.751833	Mean dependent var	5002.916
Adjusted R-squared	0.746399	S.D. dependent var	761.8765
S.E. of regression	383.6723	Akaike info criterion	14.76541
Sum squared resid	20167008	Schwarz criterion	14.84907
Log likelihood	-1036.962	F-statistic	138.3491
Durbin-Watson stat	1.92196	Prob(F-statistic)	0

Inverted AR Roots	0.73

TRANSPORTATION EQUATIONS

EQTRNAPRA
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 4/01/2001 4/30/2005 IF APR=1
Included observations: 150 after adjusting endpoints
Convergence achieved after 6 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4102.416	174.7328	23.47822	0
HDD	46.19207	9.814695	4.70642	0
WE	-1026.948	73.4673	-13.9783	0
AR(1)	0.632145	0.065079	9.713528	0

R-squared	0.741254	Mean dependent var	4537.863
Adjusted R-squared	0.735938	S.D. dependent var	787.0048
S.E. of regression	404.4181	Akaike info criterion	14.86908
Sum squared resid	23878886	Schwarz criterion	14.94936
Log likelihood	-1111.181	F-statistic	139.4202
Durbin-Watson stat	2.09759	Prob(F-statistic)	0

Inverted AR Roots	0.63

TRANSPORTATION EQUATIONS

GasEQ8 - Monthly
EQTRNMAYA
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 5/01/2001 5/31/2005 IF MAY=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 11 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	3993.298	134.3508	29.72292	0
HDD	26.96076	10.25456	2.629149	0.0094
WE	-906.7526	73.47842	-12.34039	0
AR(1)	0.607854	0.065944	9.217683	0

R-squared	0.714988	Mean dependent var	4027.408
Adjusted R-squared	0.709325	S.D. dependent var	760.9512
S.E. of regression	410.2612	Akaike info criterion	14.89693
Sum squared resid	25415457	Schwarz criterion	14.97547
Log likelihood	-1150.512	F-statistic	126.2672
Durbin-Watson stat	1.991847	Prob(F-statistic)	0

Inverted AR Roots	0.61

TRANSPORTATION EQUATIONS

GasEQ8 - Monthly
EQTRNJUNA
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 6/01/2001 6/30/2005 IF JUN=1
Included observations: 150 after adjusting endpoints
Convergence achieved after 7 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	3985.46	57.96627	68.75482	0
HDD	20.26327	7.707243	2.62912	0.0095
WE	-830.9012	58.30646	-14.25059	0
AR(1)	0.341073	0.076961	4.431782	0

R-squared	0.661646	Mean dependent var	3856.943
Adjusted R-squared	0.654694	S.D. dependent var	519.4863
S.E. of regression	305.2644	Akaike info criterion	14.30654
Sum squared resid	13605208	Schwarz criterion	14.38682
Log likelihood	-1068.99	F-statistic	95.16709
Durbin-Watson stat	1.897671	Prob(F-statistic)	0

Inverted AR Roots	0.34

TRANSPORTATION EQUATIONS

GasEQ8 - Monthly
EQTRNJULA
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 7/01/2001 7/31/2005 IF JUL=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 7 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	3947.493	104.7389	37.6889	0
HDD	18.98414	17.59324	1.079059	0.2823
WE	-801.7103	70.09254	-11.43788	0
AR(1)	0.669717	0.062477	10.7195	0

R-squared	0.648704	Mean dependent var	3741.847
Adjusted R-squared	0.641725	S.D. dependent var	668.1136
S.E. of regression	399.9068	Akaike info criterion	14.84581
Sum squared resid	24148745	Schwarz criterion	14.92435
Log likelihood	-1146.55	F-statistic	92.94564
Durbin-Watson stat	2.087614	Prob(F-statistic)	0

Inverted AR Roots	0.67

TRANSPORTATION EQUATIONS

GasEQ8 - Monthly
EQTRNAUGA
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 8/01/2001 8/31/2005 IF AUG=1
Included observations: 155 after adjusting endpoints
Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4056.36	80.08965	50.64775	0
HDD	11.01362	15.25624	0.721909	0.4715
WE	-883.7778	53.45251	-16.53389	0
AR(1)	0.674356	0.059318	11.36855	0

R-squared	0.7583	Mean dependent var	3844.719
Adjusted R-squared	0.753498	S.D. dependent var	615.2947
S.E. of regression	305.4874	Akaike info criterion	14.30716
Sum squared resid	14091706	Schwarz criterion	14.3857
Log likelihood	-1104.805	F-statistic	157.9139
Durbin-Watson stat	1.889668	Prob(F-statistic)	0

Inverted AR Roots	0.67

TRANSPORTATION EQUATIONS

GasEQ8 - Monthly
EQTRNSEPA
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 9/01/2001 9/30/2004 IF SEP=1
Included observations: 120 after adjusting endpoints
Convergence achieved after 10 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4044.977	115.6506	34.97585	0
HDD	39.74626	14.45175	2.750273	0.0069
WE	-842.4007	81.45161	-10.34234	0
AR(1)	0.505492	0.080242	6.299629	0

R-squared	0.651779	Mean dependent var	4006.196
Adjusted R-squared	0.642773	S.D. dependent var	662.3296
S.E. of regression	395.8642	Akaike info criterion	14.83278
Sum squared resid	18178178	Schwarz criterion	14.9257
Log likelihood	-885.9671	F-statistic	72.37391
Durbin-Watson stat	1.989359	Prob(F-statistic)	0

Inverted AR Roots	0.51

TRANSPORTATION EQUATIONS

GasEQ8 - Monthly
EQTRNOCTA
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 10/01/2001 10/31/2004 IF OCT=1
Included observations: 124 after adjusting endpoints
Convergence achieved after 7 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4216.821	172.8933	24.38973	0
HDD	41.1645	9.253863	4.448359	0
WE	-978.3331	59.57827	-16.42097	0
AR(1)	0.764724	0.059617	12.82724	0

R-squared	0.794012	Mean dependent var	4505.327
Adjusted R-squared	0.788862	S.D. dependent var	661.2389
S.E. of regression	303.8374	Akaike info criterion	14.30259
Sum squared resid	11078057	Schwarz criterion	14.39357
Log likelihood	-882.7605	F-statistic	154.1862
Durbin-Watson stat	2.001304	Prob(F-statistic)	0

Inverted AR Roots	0.76

TRANSPORTATION EQUATIONS

GasEQ8 - Monthly
EQTRNNOVA
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 11/01/2001 11/30/2004 IF NOV=1
Included observations: 120 after adjusting endpoints
Convergence achieved after 6 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4052.687	293.9594	13.78655	0
HDD	33.2611	13.45543	2.471947	0.0149
WE	-837.0079	94.96514	-8.813843	0
AR(1)	0.605837	0.075067	8.070572	0

R-squared	0.601185	Mean dependent var	4486.938
Adjusted R-squared	0.590871	S.D. dependent var	737.7666
S.E. of regression	471.8991	Akaike info criterion	15.18417
Sum squared resid	25831901	Schwarz criterion	15.27709
Log likelihood	-907.0504	F-statistic	58.28723
Durbin-Watson stat	1.666647	Prob(F-statistic)	0

Inverted AR Roots	0.61

TRANSPORTATION EQUATIONS

GasEQ8 - Monthly
EQTRNDECA
Dependent Variable: TRNPC
Method: Least Squares
Date: 12/14/05 Time: 16:11
Sample(adjusted): 12/01/2001 12/31/2004 IF DEC=1
Included observations: 124 after adjusting endpoints
Convergence achieved after 7 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	3507.175	400.9444	8.747287	0
HDD	46.60542	12.57565	3.706004	0.0003
WE	-718.7802	84.86871	-8.46932	0
AR(1)	0.839714	0.058815	14.27725	0

R-squared	0.691974	Mean dependent var	4556.795
Adjusted R-squared	0.684273	S.D. dependent var	835.4422
S.E. of regression	469.4315	Akaike info criterion	15.17265
Sum squared resid	26443910	Schwarz criterion	15.26362
Log likelihood	-936.7042	F-statistic	89.85907
Durbin-Watson stat	1.570193	Prob(F-statistic)	0

Inverted AR Roots	0.84