BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

Application of San Diego Gas & Electric Company (U 902 M) for Approval of Demand Response Programs and Budgets for Years 2009 through 2011	Application 08-06-002

AMENDED APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY (U 902-M) FOR APPROVAL OF DEMAND RESPONSE PROGRAMS AND BUDGETS FOR YEARS 2009 THROUGH 2011

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September 19, 2008

VOLUME V OF VI

Application of San Diego Gas & Electric Company (U-902-M) for Approval of Demand Response Programs and Budgets for the Years 2009 through 2011.

Application 08-06- 002

CHAPTER III

PREPARED DIRECT TESTIMONY

OF KATHRYN E. SMITH

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

September 19, 2008

4. Capacity Bidding Goodness of Fit Statistics

CBP Regression Variables	
Variable Name	Description
intercept	A weighted average of the cooling degree 65 for the event days and 3 days prior to the event day
h12	Total load for each CBP type from 11am-12pm
mon	indicator variable 1 if the date is a Monday 0 otherwise
tue	indicator variables 1 if the date is a Tuesday or 0 otherwise
wed	indicator variabe 1 if the day is a Tuesday 0 otherwise
jul	indicator variable 1 if the month is July 0 otherwise
e0703	indicator variable 1 if the date is 07/03 0 otherwise
e0705	indicator variable 1 if the date is 07/05/2007 0 otherwise
h1-h24	total load for each CBP type for the hour ending

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H1

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	55882958	3287233	16.52	<.0001
Error	26	5172172	198930		
Corrected Total	43	61055131			

Root MSE	446.01536	R-Square	0.9153
Dependent Mean	10097	Adj R-Sq	0.8599
Coeff Var	4.41733		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	4533.35914	2119.94244	2.14	0.0420
H12	1	0.43653	0.15038	2.90	0.0074
mon	1	-2251.67907	208.58971	-10.79	<.0001
tue	1	-37.22236	245.43811	-0.15	0.8806
wed	1	-24.17564	231.43579	-0.10	0.9176
jul	1	-66.97419	208.15943	-0.32	0.7502
e0703_h1	1	-97.12357	485.14726	-0.20	0.8429
e0705_h1	1	-2177.81660	490.39975	-4.44	0.0001
e0726_h1	1	719.75607	493.11205	1.46	0.1564
e0727_h1	1	110.91129	512.06438	0.22	0.8302
e0815_h1	1	-54.00416	518.61872	-0.10	0.9179
e0816_h1	1	414.83499	512.85639	0.81	0.4259
e0820_h1	1	138.56666	489.26710	0.28	0.7793
e0821_h1	1	-93.54780	494.03884	-0.19	0.8513
e0828_h1	1	926.71975	495.24855	1.87	0.0726
e0829_h1	1	150.35071	488.52399	0.31	0.7607
e0830_h1	1	-156.76707	497.17121	-0.32	0.7550
e0831_h1	1	-685.40870	619.09083	-1.11	0.2784

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H1

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	11365032	668531	58.37	<.0001
Error	26	297772	11453		
Corrected Total	43	11662804			

Root MSE	107.01759	R-Square	0.9745
Dependent Mean	3739.00014	Adj R-Sq	0.9578
Coeff Var	2.86220		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-139.26485	263.50626	-0.53	0.6016
H12	1	0.62846	0.03980	15.79	<.0001
mon	1	-1215.60193	50.54247	-24.05	<.0001
tue	1	-114.10291	54.40528	-2.10	0.0458
wed	1	-74.80366	53.64015	-1.39	0.1750
jul	1	7.41145	38.83047	0.19	0.8501
e0703_h1	1	56.86013	116.63333	0.49	0.6300
e0705_h1	1	-217.39344	113.66096	-1.91	0.0669
e0726_h1	1	-2.45226	113.66515	-0.02	0.9830
e0727_h1	1	224.79919	113.68084	1.98	0.0587
e0815_h1	1	-30.99316	118.52012	-0.26	0.7958
e0816_h1	1	41.07408	113.06857	0.36	0.7193
e0820_h1	1	-119.71730	116.06752	-1.03	0.3118
e0821_h1	1	145.54002	119.02006	1.22	0.2324
e0828_h1	1	-15.16859	118.87588	-0.13	0.8994
e0829_h1	1	-106.91405	117.62602	-0.91	0.3717
e0830_h1	1	-23.57669	113.24876	-0.21	0.8367
e0831_h1	1	-105.99265	113.76545	-0.93	0.3601

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H1

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	11946300	702724	227.11	<.0001
Error	26	80451	3094.25019		
Corrected Total	43	12026751			

Root MSE	55.62598	R-Square	0.9933
Dependent Mean	853.70284	Adj R-Sq	0.9889
Coeff Var	6.51585		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-2.53403	60.87998	-0.04	0.9671
H12	1	0.38441	0.02003	19.19	<.0001
mon	1	-54.96078	26.07334	-2.11	0.0448
tue	1	27.43869	28.57193	0.96	0.3457
wed	1	9.88928	27.92631	0.35	0.7261
jul	1	83.69438	51.44832	1.63	0.1158
e0703_h1	1	712.67595	72.56867	9.82	<.0001
e0705_h1	1	-48.29928	59.49947	-0.81	0.4243
e0726_h1	1	33.04521	63.60351	0.52	0.6078
e0727_h1	1	-30.86075	65.51275	-0.47	0.6415
e0815_h1	1	2.61746	62.55587	0.04	0.9669
e0816_h1	1	78.89450	59.64000	1.32	0.1974
e0820_h1	1	-23.91473	60.91241	-0.39	0.6978
e0821_h1	1	0.16894	62.42363	0.00	0.9979
e0828_h1	1	-49.88581	63.84581	-0.78	0.4417
e0829_h1	1	-39.24994	66.80684	-0.59	0.5619
e0830_h1	1	62.31553	62.39148	1.00	0.3271
e0831_h1	1	-206.48073	68.62279	-3.01	0.0058

---------- type2=LargeD04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H1

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	959613760	56447868	4.05	0.0007
Error	26	362407571	13938753		
Corrected Total	43	1322021331			

Root MSE	3733.46390	R-Square	0.7259
Dependent Mean	7204.43182	Adj R-Sq	0.5466
Coeff Var	51.82177		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	2770.83154	2157.68089	1.28	0.2104
H12	1	0.22357	0.10037	2.23	0.0348
mon	1	-564.97656	1730.44602	-0.33	0.7467
tue	1	-297.25865	1912.83332	-0.16	0.8777
wed	1	6326.78187	1877.77630	3.37	0.0024
jul	1	-1136.71944	1542.08005	-0.74	0.4676
e0703_h1	1	26.90298	4061.80660	0.01	0.9948
e0705_h1	1	-1695.37078	3993.59174	-0.42	0.6747
e0726_h1	1	626.91735	4058.77997	0.15	0.8784
e0727_h1	1	1544.18271	4094.39991	0.38	0.7091
e0815_h1	1	4340.53421	4293.95865	1.01	0.3214
e0816_h1	1	13597	4100.95629	3.32	0.0027
e0820_h1	1	2271.63532	4092.36524	0.56	0.5836
e0821_h1	1	2765.12231	4189.75492	0.66	0.5151
e0828_h1	1	2174.28659	4149.80134	0.52	0.6048
e0829_h1	1	-4589.65854	4091.10338	-1.12	0.2722
e0830_h1	1	2312.49350	3944.49876	0.59	0.5628
e0831_h1	1	2945.98830	3937.20073	0.75	0.4610

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H2

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	44886921	2640407	21.59	<.0001
Error	26	3180254	122317		
Corrected Total	43	48067176			

Root MSE	349.73915	R-Square	0.9338
Dependent Mean	9741.09364	Adj R-Sq	0.8906
Coeff Var	3.59035		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	5137.10843	1662.33482	3.09	0.0047
H12	1	0.37384	0.11792	3.17	0.0039
mon	1	-1960.60909	163.56385	-11.99	<.0001
tue	1	-97.51056	192.45820	-0.51	0.6167
wed	1	-88.12562	181.47841	-0.49	0.6313
jul	1	-348.18856	163.22644	-2.13	0.0425
e0703_h2	1	-89.43263	380.42410	-0.24	0.8160
e0705_h2	1	-1521.31482	384.54279	-3.96	0.0005
e0726_h2	1	532.65633	386.66962	1.38	0.1801
e0727_h2	1	29.71281	401.53093	0.07	0.9416
e0815_h2	1	-165.58853	406.67046	-0.41	0.6872
e0816_h2	1	8.89383	402.15197	0.02	0.9825
e0820_h2	1	-92.18132	383.65463	-0.24	0.8120
e0821_h2	1	-235.31987	387.39635	-0.61	0.5488
e0828_h2	1	868.91855	388.34494	2.24	0.0340
e0829_h2	1	498.66660	383.07193	1.30	0.2044
e0830_h2	1	407.11189	389.85257	1.04	0.3060
e0831_h2	1	-469.35449	485.45480	-0.97	0.3425

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H2

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	12628160	742833	59.08	<.0001
Error	26	326933	12574		
Corrected Total	43	12955093			

Root MSE	112.13532	R-Square	0.9748
Dependent Mean	3750.05136	Adj R-Sq	0.9583
Coeff Var	2.99023		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	342.61915	276.10750	1.24	0.2257
H12	1	0.56035	0.04170	13.44	<.0001
mon	1	-1303.58168	52.95948	-24.61	<.0001
tue	1	-99.88376	57.00701	-1.75	0.0915
wed	1	-75.05867	56.20530	-1.34	0.1933
jul	1	-14.94114	40.68740	-0.37	0.7164
e0703_h2	1	50.98267	122.21090	0.42	0.6800
e0705_h2	1	-189.65145	119.09639	-1.59	0.1234
e0726_h2	1	48.38212	119.10078	0.41	0.6879
e0727_h2	1	261.30763	119.11722	2.19	0.0374
e0815_h2	1	-17.64182	124.18792	-0.14	0.8881
e0816_h2	1	60.88449	118.47567	0.51	0.6117
e0820_h2	1	-119.34307	121.61803	-0.98	0.3355
e0821_h2	1	141.40985	124.71177	1.13	0.2672
e0828_h2	1	24.26193	124.56069	0.19	0.8471
e0829_h2	1	-86.35391	123.25107	-0.70	0.4898
e0830_h2	1	-10.88283	118.66447	-0.09	0.9276
e0831_h2	1	-45.20965	119.20587	-0.38	0.7076

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H2

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	10708873	629934	169.19	<.0001
Error	26	96805	3723.28692		
Corrected Total	43	10805679			

Root MSE	61.01874	R-Square	0.9910
Dependent Mean	822.03432	Adj R-Sq	0.9852
Coeff Var	7.42289		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	21.78261	66.78209	0.33	0.7469
H12	1	0.36961	0.02197	16.82	<.0001
mon	1	-63.12567	28.60107	-2.21	0.0363
tue	1	7.51642	31.34189	0.24	0.8124
wed	1	2.25169	30.63368	0.07	0.9420
jul	1	67.37731	56.43606	1.19	0.2433
e0703_h2	1	518.41548	79.60397	6.51	<.0001
e0705_h2	1	-47.49724	65.26775	-0.73	0.4733
e0726_h2	1	13.68664	69.76966	0.20	0.8460
e0727_h2	1	-37.95757	71.86399	-0.53	0.6018
e0815_h2	1	-27.88639	68.62046	-0.41	0.6878
e0816_h2	1	32.22801	65.42190	0.49	0.6264
e0820_h2	1	-49.97805	66.81767	-0.75	0.4612
e0821_h2	1	2.06624	68.47540	0.03	0.9762
e0828_h2	1	-86.14389	70.03545	-1.23	0.2297
e0829_h2	1	-73.41517	73.28354	-1.00	0.3257
e0830_h2	1	6.99143	68.44013	0.10	0.9194
e0831_h2	1	-195.48128	75.27554	-2.60	0.0153

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H2

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	906577359	53328080	3.88	0.0010
Error	26	357176296	13737550		
Corrected Total	43	1263753655			

Root MSE	3706.42008	R-Square	0.7174
Dependent Mean	6975.81818	Adj R-Sq	0.5326
Coeff Var	53.13241		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	2499.59971	2142.05145	1.17	0.2538
H12	1	0.22341	0.09964	2.24	0.0337
mon	1	-521.10377	1717.91131	-0.30	0.7640
tue	1	-334.75491	1898.97747	-0.18	0.8614
wed	1	6068.52831	1864.17439	3.26	0.0031
jul	1	-912.55957	1530.90979	-0.60	0.5563
e0703_h2	1	-34.52212	4032.38439	-0.01	0.9932
e0705_h2	1	-1773.37171	3964.66365	-0.45	0.6584
e0726_h2	1	509.12006	4029.37969	0.13	0.9004
e0727_h2	1	1573.63796	4064.74160	0.39	0.7018
e0815_h2	1	4581.37474	4262.85482	1.07	0.2924
e0816_h2	1	13201	4071.25049	3.24	0.0032
e0820_h2	1	2124.72013	4062.72167	0.52	0.6054
e0821_h2	1	2699.51045	4159.40590	0.65	0.5220
e0828_h2	1	2171.16619	4119.74173	0.53	0.6027
e0829_h2	1	-4371.74835	4061.46896	-1.08	0.2916
e0830_h2	1	2188.26775	3915.92628	0.56	0.5811
e0831_h2	1	2737.62071	3908.68111	0.70	0.4899

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H3

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	34619791	2036458	12.47	<.0001
Error	26	4244482	163249		
Corrected Total	43	38864273			

Root MSE	404.04122	R-Square	0.8908
Dependent Mean	9584.29443	Adj R-Sq	0.8194
Coeff Var	4.21566		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	5571.49518	1920.43641	2.90	0.0075
H12	1	0.31701	0.13623	2.33	0.0280
mon	1	-1630.79787	188.95951	-8.63	<.0001
tue	1	-23.77586	222.34013	-0.11	0.9157
wed	1	137.56304	209.65556	0.66	0.5175
jul	1	-162.98506	188.56972	-0.86	0.3953
e0703_h3	1	-509.93815	439.49046	-1.16	0.2565
e0705_h3	1	-1767.51930	444.24864	-3.98	0.0005
e0726_h3	1	613.99777	446.70568	1.37	0.1810
e0727_h3	1	271.50779	463.87443	0.59	0.5634
e0815_h3	1	126.10312	469.81194	0.27	0.7905
e0816_h3	1	63.66097	464.59190	0.14	0.8921
e0820_h3	1	-209.97900	443.22258	-0.47	0.6396
e0821_h3	1	-261.51855	447.54526	-0.58	0.5640
e0828_h3	1	675.73562	448.64112	1.51	0.1441
e0829_h3	1	172.47138	442.54940	0.39	0.6999
e0830_h3	1	457.89713	450.38284	1.02	0.3187
e0831_h3	1	-331.95600	560.82870	-0.59	0.5590

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H3

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	11407411	671024	45.18	<.0001
Error	26	386116	14851		
Corrected Total	43	11793526			

Root MSE	121.86305	R-Square	0.9673
Dependent Mean	3703.50409	Adj R-Sq	0.9459
Coeff Var	3.29048		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	405.54027	300.05978	1.35	0.1882
H12	1	0.54173	0.04532	11.95	<.0001
mon	1	-1232.72500	57.55371	-21.42	<.0001
tue	1	-104.01601	61.95236	-1.68	0.1051
wed	1	-65.53432	61.08110	-1.07	0.2932
jul	1	-19.06186	44.21703	-0.43	0.6700
e0703_h3	1	29.21622	132.81268	0.22	0.8276
e0705_h3	1	-194.13818	129.42798	-1.50	0.1457
e0726_h3	1	69.08635	129.43275	0.53	0.5980
e0727_h3	1	233.14763	129.45062	1.80	0.0833
e0815_h3	1	-11.11721	134.96120	-0.08	0.9350
e0816_h3	1	90.30826	128.75342	0.70	0.4893
e0820_h3	1	-108.16021	132.16838	-0.82	0.4206
e0821_h3	1	122.13932	135.53049	0.90	0.3758
e0828_h3	1	-15.05073	135.36631	-0.11	0.9123
e0829_h3	1	-90.51058	133.94308	-0.68	0.5052
e0830_h3	1	7.79663	128.95860	0.06	0.9523
e0831_h3	1	8.97523	129.54696	0.07	0.9453

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H3

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	10763910	633171	244.07	<.0001
Error	26	67450	2594.22236		
Corrected Total	43	10831359			

Root MSE	50.93351	R-Square	0.9938
Dependent Mean	817.75864	Adj R-Sq	0.9897
Coeff Var	6.22843		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	25.86994	55.74429	0.46	0.6465
H12	1	0.36753	0.01834	20.04	<.0001
mon	1	-58.98805	23.87386	-2.47	0.0204
tue	1	0.55016	26.16167	0.02	0.9834
wed	1	1.11115	25.57051	0.04	0.9657
jul	1	58.20012	47.10826	1.24	0.2277
e0703_h3	1	518.23861	66.44695	7.80	<.0001
e0705_h3	1	-28.35310	54.48024	-0.52	0.6072
e0726_h3	1	1.53400	58.23807	0.03	0.9792
e0727_h3	1	-46.73800	59.98625	-0.78	0.4429
e0815_h3	1	-16.21484	57.27880	-0.28	0.7794
e0816_h3	1	16.93192	54.60891	0.31	0.7590
e0820_h3	1	-57.16188	55.77399	-1.02	0.3149
e0821_h3	1	46.47659	57.15772	0.81	0.4235
e0828_h3	1	-69.58530	58.45993	-1.19	0.2447
e0829_h3	1	-10.90012	61.17117	-0.18	0.8600
e0830_h3	1	1.70560	57.12828	0.03	0.9764
e0831_h3	1	-249.43771	62.83393	-3.97	0.0005

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H3

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	1319858789	77638752	9.47	<.0001
Error	26	213052000	8194308		
Corrected Total	43	1532910788			

Root MSE	2862.57012	R-Square	0.8610
Dependent Mean	7321.36364	Adj R-Sq	0.7701
Coeff Var	39.09887		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-2488.52241	1654.36522	-1.50	0.1446
H12	1	0.62531	0.07696	8.13	<.0001
mon	1	-1506.32468	1326.79013	-1.14	0.2666
tue	1	-855.66486	1466.63250	-0.58	0.5646
wed	1	3413.07028	1439.75313	2.37	0.0255
jul	1	1028.69539	1182.36372	0.87	0.3922
e0703_h3	1	993.23336	3114.32131	0.32	0.7523
e0705_h3	1	-988.40763	3062.01872	-0.32	0.7494
e0726_h3	1	-4166.15566	3112.00070	-1.34	0.1922
e0727_h3	1	-3696.75316	3139.31168	-1.18	0.2496
e0815_h3	1	-966.06742	3292.31996	-0.29	0.7715
e0816_h3	1	4949.54050	3144.33867	1.57	0.1276
e0820_h3	1	-1222.74888	3137.75163	-0.39	0.6999
e0821_h3	1	-909.91071	3212.42352	-0.28	0.7792
e0828_h3	1	-281.58424	3181.78979	-0.09	0.9302
e0829_h3	1	-5650.70572	3136.78412	-1.80	0.0832
e0830_h3	1	-2537.10551	3024.37751	-0.84	0.4092
e0831_h3	1	-444.71513	3018.78187	-0.15	0.8840

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H4

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	25196235	1482131	8.99	<.0001
Error	26	4287726	164913		
Corrected Total	43	29483960			

Root MSE	406.09423	R-Square	0.8546
Dependent Mean	9618.16830	Adj R-Sq	0.7595
Coeff Var	4.22216		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	6648.37218	1930.19448	3.44	0.0020
H12	1	0.24214	0.13692	1.77	0.0887
mon	1	-1303.93900	189.91965	-6.87	<.0001
tue	1	-8.71466	223.46988	-0.04	0.9692
wed	1	64.12653	210.72086	0.30	0.7633
jul	1	-312.21390	189.52787	-1.65	0.1115
e0703_h4	1	227.91776	441.72358	0.52	0.6102
e0705_h4	1	-1465.44600	446.50594	-3.28	0.0029
e0726_h4	1	747.65245	448.97547	1.67	0.1079
e0727_h4	1	240.04328	466.23146	0.51	0.6110
e0815_h4	1	432.20763	472.19914	0.92	0.3684
e0816_h4	1	336.71478	466.95257	0.72	0.4773
e0820_h4	1	77.29050	445.47467	0.17	0.8636
e0821_h4	1	-235.40556	449.81931	-0.52	0.6052
e0828_h4	1	424.41230	450.92074	0.94	0.3553
e0829_h4	1	-54.41095	444.79807	-0.12	0.9036
e0830_h4	1	97.71236	452.67131	0.22	0.8308
e0831_h4	1	-845.04454	563.67837	-1.50	0.1459

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H4

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	9091692	534805	35.94	<.0001
Error	26	386873	14880		
Corrected Total	43	9478565			

Root MSE	121.98253	R-Square	0.9592
Dependent Mean	3670.63609	Adj R-Sq	0.9325
Coeff Var	3.32320		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	268.65168	300.35397	0.89	0.3793
H12	1	0.55250	0.04537	12.18	<.0001
mon	1	-1066.62273	57.61014	-18.51	<.0001
tue	1	-89.47637	62.01310	-1.44	0.1610
wed	1	-53.85696	61.14099	-0.88	0.3865
jul	1	-29.65740	44.26038	-0.67	0.5087
e0703_h4	1	-14.72738	132.94290	-0.11	0.9126
e0705_h4	1	-176.02052	129.55488	-1.36	0.1859
e0726_h4	1	41.94819	129.55965	0.32	0.7487
e0727_h4	1	229.77399	129.57754	1.77	0.0879
e0815_h4	1	-21.54108	135.09352	-0.16	0.8745
e0816_h4	1	122.44007	128.87965	0.95	0.3508
e0820_h4	1	-97.05828	132.29796	-0.73	0.4697
e0821_h4	1	102.67412	135.66337	0.76	0.4560
e0828_h4	1	-41.51217	135.49903	-0.31	0.7618
e0829_h4	1	-82.40566	134.07440	-0.61	0.5441
e0830_h4	1	27.97352	129.08503	0.22	0.8301
e0831_h4	1	-10.38236	129.67397	-0.08	0.9368

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H4

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	11603911	682583	291.25	<.0001
Error	26	60934	2343.61483		
Corrected Total	43	11664845			

Root MSE	48.41090	R-Square	0.9948
Dependent Mean	838.48591	Adj R-Sq	0.9914
Coeff Var	5.77361		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	30.83378	52.98341	0.58	0.5656
H12	1	0.37160	0.01743	21.32	<.0001
mon	1	-27.29226	22.69144	-1.20	0.2399
tue	1	24.10064	24.86595	0.97	0.3414
wed	1	4.92816	24.30407	0.20	0.8409
jul	1	36.89977	44.77510	0.82	0.4174
e0703_h4	1	542.01266	63.15600	8.58	<.0001
e0705_h4	1	-10.92086	51.78196	-0.21	0.8346
e0726_h4	1	23.35771	55.35368	0.42	0.6765
e0727_h4	1	-53.52044	57.01527	-0.94	0.3565
e0815_h4	1	-35.35620	54.44192	-0.65	0.5218
e0816_h4	1	-5.84610	51.90426	-0.11	0.9112
e0820_h4	1	-0.45656	53.01164	-0.01	0.9932
e0821_h4	1	54.17890	54.32684	1.00	0.3278
e0828_h4	1	49.57091	55.56455	0.89	0.3805
e0829_h4	1	-5.86264	58.14151	-0.10	0.9205
e0830_h4	1	23.27090	54.29885	0.43	0.6718
e0831_h4	1	-237.92163	59.72192	-3.98	0.0005

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H4

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	1494035118	87884419	8.73	<.0001
Error	26	261617274	10062203		
Corrected Total	43	1755652391			

Root MSE	3172.09754	R-Square	0.8510
Dependent Mean	7163.86364	Adj R-Sq	0.7536
Coeff Var	44.27914		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-4014.36493	1833.25041	-2.19	0.0377
H12	1	0.71995	0.08528	8.44	<.0001
mon	1	-1890.95633	1470.25489	-1.29	0.2097
tue	1	-1343.19477	1625.21830	-0.83	0.4161
wed	1	2561.28279	1595.43249	1.61	0.1205
jul	1	1843.85730	1310.21177	1.41	0.1712
e0703_h4	1	1676.11084	3451.07039	0.49	0.6313
e0705_h4	1	-747.34989	3393.11237	-0.22	0.8274
e0726_h4	1	-5275.07092	3448.49885	-1.53	0.1382
e0727_h4	1	-3879.74852	3478.76295	-1.12	0.2749
e0815_h4	1	-1685.93066	3648.31590	-0.46	0.6478
e0816_h4	1	3490.11298	3484.33351	1.00	0.3257
e0820_h4	1	-1326.70315	3477.03421	-0.38	0.7059
e0821_h4	1	-1062.20616	3559.78031	-0.30	0.7678
e0828_h4	1	26.26792	3525.83418	0.01	0.9941
e0829_h4	1	-6794.60046	3475.96209	-1.95	0.0614
e0830_h4	1	-3844.35930	3351.40104	-1.15	0.2618
e0831_h4	1	-1145.48558	3345.20035	-0.34	0.7348

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H5

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	31721428	1865966	11.52	<.0001
Error	26	4212583	162022		
Corrected Total	43	35934011			

Root MSE	402.52010	R-Square	0.8828
Dependent Mean	10277	Adj R-Sq	0.8061
Coeff Var	3.91690		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	6340.19928	1913.20640	3.31	0.0027
H12	1	0.31938	0.13572	2.35	0.0264
mon	1	-1672.23765	188.24812	-8.88	<.0001
tue	1	-83.61037	221.50307	-0.38	0.7089
wed	1	-93.16161	208.86626	-0.45	0.6593
jul	1	-201.30563	187.85980	-1.07	0.2938
e0703_h5	1	-132.56822	437.83587	-0.30	0.7645
e0705_h5	1	-1570.08720	442.57614	-3.55	0.0015
e0726_h5	1	419.95784	445.02394	0.94	0.3540
e0727_h5	1	347.35058	462.12805	0.75	0.4590
e0815_h5	1	-74.20206	468.04321	-0.16	0.8753
e0816_h5	1	-116.67762	462.84281	-0.25	0.8030
e0820_h5	1	56.69842	441.55395	0.13	0.8988
e0821_h5	1	-290.46820	445.86035	-0.65	0.5205
e0828_h5	1	656.78217	446.95209	1.47	0.1537
e0829_h5	1	-78.72816	440.88330	-0.18	0.8597
e0830_h5	1	-41.89423	448.68725	-0.09	0.9263
e0831_h5	1	-1135.87747	558.71731	-2.03	0.0524

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H5

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	3692822	217225	26.75	<.0001
Error	26	211151	8121.20489		
Corrected Total	43	3903973			

Root MSE	90.11773	R-Square	0.9459
Dependent Mean	3813.21950	Adj R-Sq	0.9105
Coeff Var	2.36330		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	290.10110	221.89422	1.31	0.2025
H12	1	0.55678	0.03352	16.61	<.0001
mon	1	-476.60272	42.56097	-11.20	<.0001
tue	1	-87.77711	45.81377	-1.92	0.0664
wed	1	-67.76328	45.16948	-1.50	0.1456
jul	1	-78.90287	32.69849	-2.41	0.0232
e0703_h5	1	-7.90186	98.21498	-0.08	0.9365
e0705_h5	1	-44.74313	95.71200	-0.47	0.6441
e0726_h5	1	11.26750	95.71553	0.12	0.9072
e0727_h5	1	252.40305	95.72874	2.64	0.0139
e0815_h5	1	-32.87010	99.80381	-0.33	0.7445
e0816_h5	1	108.94767	95.21316	1.14	0.2629
e0820_h5	1	-79.67835	97.73852	-0.82	0.4224
e0821_h5	1	49.65053	100.22481	0.50	0.6245
e0828_h5	1	-87.58261	100.10340	-0.87	0.3896
e0829_h5	1	-131.96838	99.05091	-1.33	0.1943
e0830_h5	1	-30.97878	95.36489	-0.32	0.7479
e0831_h5	1	-23.36790	95.79998	-0.24	0.8092

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H5

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	13680681	804746	205.68	<.0001
Error	26	101729	3912.63476		
Corrected Total	43	13782410			

Root MSE	62.55106	R-Square	0.9926
Dependent Mean	921.41000	Adj R-Sq	0.9878
Coeff Var	6.78862		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-9.21561	68.45914	-0.13	0.8940
H12	1	0.42606	0.02253	18.91	<.0001
mon	1	-12.34389	29.31930	-0.42	0.6772
tue	1	18.28641	32.12895	0.57	0.5741
wed	1	11.31909	31.40295	0.36	0.7214
jul	1	75.58371	57.85330	1.31	0.2028
e0703_h5	1	466.94872	81.60300	5.72	<.0001
e0705_h5	1	-16.42955	66.90677	-0.25	0.8080
e0726_h5	1	-13.14264	71.52173	-0.18	0.8556
e0727_h5	1	-94.93757	73.66866	-1.29	0.2088
e0815_h5	1	-23.73606	70.34367	-0.34	0.7385
e0816_h5	1	8.37317	67.06479	0.12	0.9016
e0820_h5	1	-60.81299	68.49561	-0.89	0.3828
e0821_h5	1	-52.47949	70.19496	-0.75	0.4614
e0828_h5	1	-27.26221	71.79420	-0.38	0.7072
e0829_h5	1	-105.94977	75.12385	-1.41	0.1703
e0830_h5	1	-26.96942	70.15881	-0.38	0.7038
e0831_h5	1	-288.02228	77.16587	-3.73	0.0009

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H5

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	1583634043	93154944	8.99	<.0001
Error	26	269525763	10366376		
Corrected Total	43	1853159806			

Root MSE	3219.68562	R-Square	0.8546
Dependent Mean	7326.61364	Adj R-Sq	0.7595
Coeff Var	43.94507		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-4369.50982	1860.75299	-2.35	0.0267
H12	1	0.74611	0.08656	8.62	<.0001
mon	1	-1963.53856	1492.31178	-1.32	0.1997
tue	1	-1233.99547	1649.59997	-0.75	0.4611
wed	1	2382.94034	1619.36730	1.47	0.1532
jul	1	1988.73508	1329.86767	1.50	0.1468
e0703_h5	1	1743.30385	3502.84364	0.50	0.6229
e0705_h5	1	-558.32142	3444.01613	-0.16	0.8725
e0726_h5	1	-5079.00893	3500.23353	-1.45	0.1587
e0727_h5	1	-3387.79259	3530.95164	-0.96	0.3462
e0815_h5	1	-1435.91132	3703.04824	-0.39	0.7013
e0816_h5	1	3618.25499	3536.60577	1.02	0.3157
e0820_h5	1	-692.67760	3529.19698	-0.20	0.8459
e0821_h5	1	-788.52358	3613.18444	-0.22	0.8289
e0828_h5	1	212.71200	3578.72905	0.06	0.9531
e0829_h5	1	-6406.01708	3528.10877	-1.82	0.0810
e0830_h5	1	-3547.79789	3401.67905	-1.04	0.3066
e0831_h5	1	-931.39885	3395.38533	-0.27	0.7860

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H6

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	30966380	1821552	11.41	<.0001
Error	26	4150068	159618		
Corrected Total	43	35116448			

Root MSE	399.52222	R-Square	0.8818
Dependent Mean	11337	Adj R-Sq	0.8045
Coeff Var	3.52404		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	4447.54095	1898.95724	2.34	0.0271
H12	1	0.52487	0.13471	3.90	0.0006
mon	1	-1367.88200	186.84609	-7.32	<.0001
tue	1	-147.14666	219.85336	-0.67	0.5092
wed	1	-67.85201	207.31066	-0.33	0.7461
jul	1	-229.12373	186.46065	-1.23	0.2302
e0703_h6	1	304.13335	434.57496	0.70	0.4902
e0705_h6	1	-762.80900	439.27993	-1.74	0.0943
e0726_h6	1	181.06083	441.70949	0.41	0.6852
e0727_h6	1	-91.19716	458.68621	-0.20	0.8439
e0815_h6	1	-319.93549	464.55732	-0.69	0.4971
e0816_h6	1	-220.94189	459.39566	-0.48	0.6346
e0820_h6	1	-165.48212	438.26534	-0.38	0.7088
e0821_h6	1	-43.44480	442.53967	-0.10	0.9225
e0828_h6	1	1222.75801	443.62328	2.76	0.0105
e0829_h6	1	164.62775	437.59969	0.38	0.7098
e0830_h6	1	239.46350	445.34552	0.54	0.5954
e0831_h6	1	-376.08237	554.55610	-0.68	0.5037

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H6

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	4170369	245316	29.24	<.0001
Error	26	218144	8390.14394		
Corrected Total	43	4388513			

Root MSE	91.59773	R-Square	0.9503
Dependent Mean	4327.66727	Adj R-Sq	0.9178
Coeff Var	2.11656		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	329.69443	225.53838	1.46	0.1558
H12	1	0.61098	0.03407	17.94	<.0001
mon	1	-15.45484	43.25995	-0.36	0.7238
tue	1	-52.71454	46.56617	-1.13	0.2680
wed	1	-75.72376	45.91129	-1.65	0.1111
jul	1	-92.80533	33.23550	-2.79	0.0097
e0703_h6	1	-172.89776	99.82797	-1.73	0.0951
e0705_h6	1	564.46857	97.28387	5.80	<.0001
e0726_h6	1	67.13150	97.28746	0.69	0.4963
e0727_h6	1	830.30498	97.30089	8.53	<.0001
e0815_h6	1	-65.05637	101.44289	-0.64	0.5269
e0816_h6	1	79.10575	96.77684	0.82	0.4211
e0820_h6	1	-113.34440	99.34368	-1.14	0.2643
e0821_h6	1	11.50197	101.87080	0.11	0.9110
e0828_h6	1	-102.07513	101.74739	-1.00	0.3250
e0829_h6	1	-87.28615	100.67762	-0.87	0.3939
e0830_h6	1	-0.99203	96.93106	-0.01	0.9919
e0831_h6	1	-45.88147	97.37330	-0.47	0.6414

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H6

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	21018817	1236401	189.30	<.0001
Error	26	169817	6531.42826		
Corrected Total	43	21188634			

Root MSE	80.81725	R-Square	0.9920
Dependent Mean	1118.60750	Adj R-Sq	0.9867
Coeff Var	7.22481		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-39.91223	88.45062	-0.45	0.6556
H12	1	0.53034	0.02910	18.22	<.0001
mon	1	9.30494	37.88114	0.25	0.8079
tue	1	41.14725	41.51127	0.99	0.3307
wed	1	14.10342	40.57326	0.35	0.7309
jul	1	84.32302	74.74765	1.13	0.2696
e0703_h6	1	563.74391	105.43276	5.35	<.0001
e0705_h6	1	-12.52500	86.44492	-0.14	0.8859
e0726_h6	1	-9.90661	92.40754	-0.11	0.9154
e0727_h6	1	-64.29926	95.18142	-0.68	0.5053
e0815_h6	1	-68.69658	90.88546	-0.76	0.4565
e0816_h6	1	-1.04826	86.64909	-0.01	0.9904
e0820_h6	1	-39.00439	88.49774	-0.44	0.6630
e0821_h6	1	-173.88227	90.69334	-1.92	0.0663
e0828_h6	1	-184.89828	92.75958	-1.99	0.0568
e0829_h6	1	-188.58804	97.06157	-1.94	0.0629
e0830_h6	1	18.90210	90.64662	0.21	0.8364
e0831_h6	1	-309.61994	99.69990	-3.11	0.0045

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H6

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	1655621734	97389514	9.74	<.0001
Error	26	259947831	9997994		
Corrected Total	43	1915569565			

Root MSE	3161.96039	R-Square	0.8643
Dependent Mean	7660.70455	Adj R-Sq	0.7756
Coeff Var	41.27506		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-4410.82221	1827.39185	-2.41	0.0231
H12	1	0.75976	0.08500	8.94	<.0001
mon	1	-1830.18183	1465.55636	-1.25	0.2229
tue	1	-1077.16834	1620.02455	-0.66	0.5120
wed	1	2328.74224	1590.33392	1.46	0.1551
jul	1	2043.61467	1306.02469	1.56	0.1297
e0703_h6	1	1888.46210	3440.04172	0.55	0.5877
e0705_h6	1	-249.74054	3382.26891	-0.07	0.9417
e0726_h6	1	-5184.09477	3437.47840	-1.51	0.1436
e0727_h6	1	-2883.81198	3467.64577	-0.83	0.4132
e0815_h6	1	-776.30676	3636.65688	-0.21	0.8326
e0816_h6	1	4159.09474	3473.19853	1.20	0.2419
e0820_h6	1	-547.56347	3465.92257	-0.16	0.8757
e0821_h6	1	-556.43139	3548.40423	-0.16	0.8766
e0828_h6	1	360.95805	3514.56658	0.10	0.9190
e0829_h6	1	-6090.39991	3464.85387	-1.76	0.0906
e0830_h6	1	-3170.12870	3340.69088	-0.95	0.3514
e0831_h6	1	-163.97246	3334.51001	-0.05	0.9612

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H7

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	36255542	2132679	9.83	<.0001
Error	26	5641972	216999		
Corrected Total	43	41897514			

Root MSE	465.83144	R-Square	0.8653
Dependent Mean	11978	Adj R-Sq	0.7773
Coeff Var	3.88897		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	5646.70173	2214.12968	2.55	0.0170
H12	1	0.48640	0.15706	3.10	0.0046
mon	1	-1135.63499	217.85718	-5.21	<.0001
tue	1	-335.35900	256.34272	-1.31	0.2022
wed	1	16.40315	241.71829	0.07	0.9464
jul	1	-421.84533	217.40778	-1.94	0.0633
e0703_h7	1	820.85929	506.70194	1.62	0.1173
e0705_h7	1	-1458.14558	512.18779	-2.85	0.0085
e0726_h7	1	407.53720	515.02060	0.79	0.4359
e0727_h7	1	-348.75808	534.81497	-0.65	0.5201
e0815_h7	1	20.14044	541.66051	0.04	0.9706
e0816_h7	1	-239.52923	535.64216	-0.45	0.6584
e0820_h7	1	30.42898	511.00482	0.06	0.9530
e0821_h7	1	484.59854	515.98857	0.94	0.3563
e0828_h7	1	1656.42722	517.25202	3.20	0.0036
e0829_h7	1	126.46141	510.22869	0.25	0.8062
e0830_h7	1	987.64249	519.26010	1.90	0.0683
e0831_h7	1	-324.95509	646.59650	-0.50	0.6195

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H7

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	3344329	196725	4.70	0.0002
Error	26	1089284	41896		
Corrected Total	43	4433613			

Root MSE	204.68398	R-Square	0.7543
Dependent Mean	6611.85968	Adj R-Sq	0.5937
Coeff Var	3.09571		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	3022.77432	503.98733	6.00	<.0001
H12	1	0.56248	0.07612	7.39	<.0001
mon	1	-11.87831	96.66854	-0.12	0.9031
tue	1	46.70714	104.05662	0.45	0.6572
wed	1	-25.74367	102.59322	-0.25	0.8038
jul	1	-222.38890	74.26794	-2.99	0.0060
e0703_h7	1	-211.29242	223.07524	-0.95	0.3523
e0705_h7	1	318.10191	217.39022	1.46	0.1554
e0726_h7	1	-300.47187	217.39824	-1.38	0.1787
e0727_h7	1	-6.72311	217.42825	-0.03	0.9756
e0815_h7	1	-204.10613	226.68394	-0.90	0.3762
e0816_h7	1	-89.93909	216.25721	-0.42	0.6809
e0820_h7	1	-289.55735	221.99305	-1.30	0.2035
e0821_h7	1	-232.03588	227.64014	-1.02	0.3174
e0828_h7	1	-214.93778	227.36438	-0.95	0.3532
e0829_h7	1	-158.52679	224.97388	-0.70	0.4873
e0830_h7	1	-55.80173	216.60184	-0.26	0.7987
e0831_h7	1	-46.35574	217.59006	-0.21	0.8330

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H7

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	31625866	1860345	315.17	<.0001
Error	26	153471	5902.72304		
Corrected Total	43	31779337			

Root MSE	76.82918	R-Square	0.9952
Dependent Mean	1311.36102	Adj R-Sq	0.9920
Coeff Var	5.85874		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-41.62956	84.08586	-0.50	0.6247
H12	1	0.62941	0.02767	22.75	<.0001
mon	1	-5.43286	36.01183	-0.15	0.8812
tue	1	24.68714	39.46282	0.63	0.5370
wed	1	9.96136	38.57110	0.26	0.7982
jul	1	60.79548	71.05909	0.86	0.4001
e0703_h7	1	456.82359	100.22999	4.56	0.0001
e0705_h7	1	-1.90623	82.17914	-0.02	0.9817
e0726_h7	1	-108.35415	87.84753	-1.23	0.2284
e0727_h7	1	-41.67634	90.48452	-0.46	0.6489
e0815_h7	1	-45.88602	86.40056	-0.53	0.5999
e0816_h7	1	-15.42896	82.37323	-0.19	0.8529
e0820_h7	1	-116.27460	84.13066	-1.38	0.1787
e0821_h7	1	-77.26330	86.21791	-0.90	0.3784
e0828_h7	1	-210.78391	88.18219	-2.39	0.0244
e0829_h7	1	-46.18777	92.27189	-0.50	0.6209
e0830_h7	1	179.61868	86.17350	2.08	0.0471
e0831_h7	1	-250.82624	94.78003	-2.65	0.0136

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H7

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	2026555083	119209123	18.90	<.0001
Error	26	164033869	6308995		
Corrected Total	43	2190588952			

Root MSE	2511.77128	R-Square	0.9251
Dependent Mean	9005.65909	Adj R-Sq	0.8762
Coeff Var	27.89103		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-3875.54935	1451.62804	-2.67	0.0129
H12	1	0.85344	0.06753	12.64	<.0001
mon	1	-1453.64568	1164.19623	-1.25	0.2229
tue	1	-1072.07271	1286.90136	-0.83	0.4124
wed	1	980.89151	1263.31597	0.78	0.4445
jul	1	1200.84635	1037.46881	1.16	0.2576
e0703_h7	1	2101.38266	2732.67116	0.77	0.4488
e0705_h7	1	370.52315	2686.77809	0.14	0.8914
e0726_h7	1	-4388.99016	2730.63494	-1.61	0.1201
e0727_h7	1	-2568.31900	2754.59904	-0.93	0.3597
e0815_h7	1	-846.08251	2888.85665	-0.29	0.7719
e0816_h7	1	2997.85512	2759.00999	1.09	0.2872
e0820_h7	1	-2192.13594	2753.23017	-0.80	0.4331
e0821_h7	1	-952.18497	2818.75126	-0.34	0.7382
e0828_h7	1	-648.60498	2791.87160	-0.23	0.8181
e0829_h7	1	-5629.43192	2752.38123	-2.05	0.0511
e0830_h7	1	-3640.89904	2653.74969	-1.37	0.1818
e0831_h7	1	96.91579	2648.83978	0.04	0.9711

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H8

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	44453331	2614902	5.80	<.0001
Error	26	11720621	450793		
Corrected Total	43	56173952			

Root MSE	671.41128	R-Square	0.7914
Dependent Mean	12817	Adj R-Sq	0.6549
Coeff Var	5.23850		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	62.54321	3191.26511	0.02	0.9845
H12	1	0.92830	0.22638	4.10	0.0004
mon	1	-701.53126	314.00149	-2.23	0.0343
tue	1	-346.70931	369.47139	-0.94	0.3567
wed	1	-70.53973	348.39294	-0.20	0.8411
jul	1	-188.09166	313.35375	-0.60	0.5535
e0703_h8	1	1421.39527	730.31867	1.95	0.0625
e0705_h8	1	-426.58014	738.22552	-0.58	0.5683
e0726_h8	1	754.73459	742.30850	1.02	0.3186
e0727_h8	1	-743.13444	770.83848	-0.96	0.3439
e0815_h8	1	367.60518	780.70508	0.47	0.6417
e0816_h8	1	153.15132	772.03072	0.20	0.8443
e0820_h8	1	-101.90767	736.52048	-0.14	0.8910
e0821_h8	1	904.04553	743.70365	1.22	0.2351
e0828_h8	1	1333.72586	745.52469	1.79	0.0853
e0829_h8	1	342.58457	735.40183	0.47	0.6452
e0830_h8	1	693.00414	748.41897	0.93	0.3630
e0831_h8	1	955.74986	931.95123	1.03	0.3146

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H8

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	4279758	251750	13.75	<.0001
Error	26	476159	18314		
Corrected Total	43	4755917			

Root MSE	135.32854	R-Square	0.8999
Dependent Mean	6441.12936	Adj R-Sq	0.8344
Coeff Var	2.10101		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1893.12977	333.21546	5.68	<.0001
H12	1	0.70131	0.05033	13.93	<.0001
mon	1	-8.38205	63.91322	-0.13	0.8967
tue	1	-9.03994	68.79791	-0.13	0.8965
wed	1	-72.33530	67.83037	-1.07	0.2960
jul	1	-124.23556	49.10287	-2.53	0.0178
e0703_h8	1	-100.35528	147.48807	-0.68	0.5022
e0705_h8	1	125.53849	143.72938	0.87	0.3904
e0726_h8	1	-87.61584	143.73468	-0.61	0.5474
e0727_h8	1	-7.88669	143.75452	-0.05	0.9567
e0815_h8	1	-90.41513	149.87400	-0.60	0.5516
e0816_h8	1	-83.47540	142.98027	-0.58	0.5644
e0820_h8	1	-172.49006	146.77258	-1.18	0.2506
e0821_h8	1	-139.87959	150.50620	-0.93	0.3612
e0828_h8	1	-152.33536	150.32388	-1.01	0.3202
e0829_h8	1	-134.72693	148.74338	-0.91	0.3734
e0830_h8	1	-67.51595	143.20813	-0.47	0.6412
e0831_h8	1	-77.03738	143.86150	-0.54	0.5969

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H8

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	35135547	2066797	507.58	<.0001
Error	26	105868	4071.86479		
Corrected Total	43	35241416			

Root MSE	63.81117	R-Square	0.9970
Dependent Mean	1372.87795	Adj R-Sq	0.9950
Coeff Var	4.64799		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-33.37962	69.83827	-0.48	0.6367
H12	1	0.65644	0.02298	28.57	<.0001
mon	1	-15.33279	29.90995	-0.51	0.6125
tue	1	16.39196	32.77620	0.50	0.6212
wed	1	-0.77759	32.03558	-0.02	0.9808
jul	1	56.74463	59.01877	0.96	0.3452
e0703_h8	1	574.56136	83.24692	6.90	<.0001
e0705_h8	1	-8.07147	68.25462	-0.12	0.9068
e0726_h8	1	-103.14858	72.96255	-1.41	0.1693
e0727_h8	1	-22.12315	75.15273	-0.29	0.7708
e0815_h8	1	-120.81642	71.76076	-1.68	0.1042
e0816_h8	1	-64.09391	68.41583	-0.94	0.3575
e0820_h8	1	-134.80097	69.87547	-1.93	0.0647
e0821_h8	1	-43.65847	71.60906	-0.61	0.5474
e0828_h8	1	-236.91007	73.24051	-3.23	0.0033
e0829_h8	1	87.41863	76.63725	1.14	0.2644
e0830_h8	1	234.69165	71.57218	3.28	0.0030
e0831_h8	1	-265.78107	78.72040	-3.38	0.0023

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H8

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	2031048245	119473426	17.51	<.0001
Error	26	177402971	6823191		
Corrected Total	43	2208451216			

Root MSE	2612.12389	R-Square	0.9197
Dependent Mean	10423	Adj R-Sq	0.8671
Coeff Var	25.06077		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-2275.99212	1509.62482	-1.51	0.1437
H12	1	0.82812	0.07022	11.79	<.0001
mon	1	-1527.54464	1210.70927	-1.26	0.2183
tue	1	-901.06585	1338.31683	-0.67	0.5067
wed	1	2278.37702	1313.78914	1.73	0.0947
jul	1	1055.49630	1078.91873	0.98	0.3369
e0703_h8	1	1596.92930	2841.84937	0.56	0.5790
e0705_h8	1	-164.15530	2794.12273	-0.06	0.9536
e0726_h8	1	-2820.89696	2839.73179	-0.99	0.3297
e0727_h8	1	-1780.40268	2864.65333	-0.62	0.5397
e0815_h8	1	-1239.86228	3004.27492	-0.41	0.6832
e0816_h8	1	3238.57372	2869.24051	1.13	0.2693
e0820_h8	1	-1507.02018	2863.22977	-0.53	0.6031
e0821_h8	1	-480.07967	2931.36861	-0.16	0.8712
e0828_h8	1	-2501.67775	2903.41503	-0.86	0.3968
e0829_h8	1	-6928.96927	2862.34691	-2.42	0.0228
e0830_h8	1	-1944.86889	2759.77475	-0.70	0.4872
e0831_h8	1	-13.85883	2754.66867	-0.01	0.9960

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H9

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	59181386	3481258	4.68	0.0002
Error	26	19343834	743994		
Corrected Total	43	78525219			

Root MSE	862.55064	R-Square	0.7537
Dependent Mean	13244	Adj R-Sq	0.5926
Coeff Var	6.51256		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-6740.88110	4099.76397	-1.64	0.1122
H12	1	1.41289	0.29082	4.86	<.0001
mon	1	-294.74426	403.39236	-0.73	0.4715
tue	1	-607.87925	474.65360	-1.28	0.2116
wed	1	-223.90806	447.57448	-0.50	0.6211
jul	1	515.88134	402.56023	1.28	0.2113
e0703_h9	1	1964.78730	938.22796	2.09	0.0461
e0705_h9	1	724.04867	948.38576	0.76	0.4521
e0726_h9	1	-341.27931	953.63109	-0.36	0.7233
e0727_h9	1	-925.93070	990.28307	-0.94	0.3584
e0815_h9	1	785.77979	1002.95853	0.78	0.4404
e0816_h9	1	904.84780	991.81473	0.91	0.3700
e0820_h9	1	543.69820	946.19533	0.57	0.5705
e0821_h9	1	2106.32890	955.42342	2.20	0.0365
e0828_h9	1	2324.29817	957.76287	2.43	0.0225
e0829_h9	1	1190.53798	944.75821	1.26	0.2188
e0830_h9	1	-396.07235	961.48111	-0.41	0.6838
e0831_h9	1	2781.16707	1197.26188	2.32	0.0283

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H9

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	6239503	367030	104.29	<.0001
Error	26	91502	3519.32067		
Corrected Total	43	6331006			

Root MSE	59.32386	R-Square	0.9855
Dependent Mean	6418.72409	Adj R-Sq	0.9761
Coeff Var	0.92423		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	727.00746	146.07140	4.98	<.0001
H12	1	0.86313	0.02206	39.12	<.0001
mon	1	11.02649	28.01759	0.39	0.6971
tue	1	13.31139	30.15888	0.44	0.6626
wed	1	-16.44722	29.73475	-0.55	0.5849
jul	1	-59.57353	21.52519	-2.77	0.0103
e0703_h9	1	-41.89503	64.65423	-0.65	0.5227
e0705_h9	1	156.92029	63.00653	2.49	0.0195
e0726_h9	1	14.19198	63.00885	0.23	0.8236
e0727_h9	1	94.29524	63.01755	1.50	0.1466
e0815_h9	1	-43.69136	65.70014	-0.67	0.5119
e0816_h9	1	16.70175	62.67815	0.27	0.7920
e0820_h9	1	-35.32993	64.34058	-0.55	0.5876
e0821_h9	1	-35.89384	65.97728	-0.54	0.5911
e0828_h9	1	-46.82472	65.89736	-0.71	0.4837
e0829_h9	1	-46.34974	65.20451	-0.71	0.4835
e0830_h9	1	20.26785	62.77803	0.32	0.7494
e0831_h9	1	-72.27660	63.06445	-1.15	0.2622

---------- type2=DO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H9

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	41897074	2464534	762.72	<.0001
Error	26	84013	3231.26123		
Corrected Total	43	41981087			

Root MSE	56.84418	R-Square	0.9980
Dependent Mean	1499.18432	Adj R-Sq	0.9967
Coeff Var	3.79167		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-37.71626	62.21324	-0.61	0.5496
H12	1	0.71490	0.02047	34.92	<.0001
mon	1	-5.28058	26.64434	-0.20	0.8444
tue	1	12.56573	29.19765	0.43	0.6705
wed	1	1.76056	28.53789	0.06	0.9513
jul	1	56.36955	52.57503	1.07	0.2935
e0703_h9	1	623.96204	74.15792	8.41	<.0001
e0705_h9	1	-6.29482	60.80250	-0.10	0.9183
e0726_h9	1	-57.92183	64.99641	-0.89	0.3810
e0727_h9	1	20.61777	66.94746	0.31	0.7606
e0815_h9	1	-21.81313	63.92583	-0.34	0.7357
e0816_h9	1	-9.11563	60.94610	-0.15	0.8823
e0820_h9	1	-66.78945	62.24638	-1.07	0.2931
e0821_h9	1	-36.36958	63.79070	-0.57	0.5735
e0828_h9	1	-137.13327	65.24402	-2.10	0.0454
e0829_h9	1	14.25604	68.26990	0.21	0.8362
e0830_h9	1	76.36999	63.75784	1.20	0.2418
e0831_h9	1	-235.19121	70.12561	-3.35	0.0025

---------- type2=LargeD04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H9

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	2247198934	132188173	13.70	<.0001
Error	26	250940822	9651570		
Corrected Total	43	2498139756			

Root MSE	3106.69762	R-Square	0.8995
Dependent Mean	12726	Adj R-Sq	0.8339
Coeff Var	24.41221		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	638.53330	1795.45383	0.36	0.7250
H12	1	0.81078	0.08352	9.71	<.0001
mon	1	-518.14342	1439.94228	-0.36	0.7219
tue	1	-1053.11389	1591.71077	-0.66	0.5140
wed	1	3223.04680	1562.53905	2.06	0.0493
jul	1	-376.68956	1283.19880	-0.29	0.7714
e0703_h9	1	876.60145	3379.91881	0.26	0.7974
e0705_h9	1	-708.90632	3323.15572	-0.21	0.8327
e0726_h9	1	-1033.69313	3377.40029	-0.31	0.7620
e0727_h9	1	33.38311	3407.04042	0.01	0.9923
e0815_h9	1	-1784.37440	3573.09765	-0.50	0.6217
e0816_h9	1	4049.38816	3412.49613	1.19	0.2461
e0820_h9	1	-2623.77196	3405.34733	-0.77	0.4480
e0821_h9	1	187.69921	3486.38743	0.05	0.9575
e0828_h9	1	-3798.42691	3453.14118	-1.10	0.2814
e0829_h9	1	-7970.66948	3404.29731	-2.34	0.0272
e0830_h9	1	-1777.51868	3282.30437	-0.54	0.5927
e0831_h9	1	-491.43821	3276.23152	-0.15	0.8819

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H10

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	35780192	2104717	12.34	<.0001
Error	26	4435199	170585		
Corrected Total	43	40215391			

Root MSE	413.01886	R-Square	0.8897
Dependent Mean	13541	Adj R-Sq	0.8176
Coeff Var	3.05005		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-3357.04769	1963.10774	-1.71	0.0992
H12	1	1.19651	0.13926	8.59	<.0001
mon	1	-33.39187	193.15811	-0.17	0.8641
tue	1	193.85144	227.28044	0.85	0.4015
wed	1	-210.06940	214.31402	-0.98	0.3360
jul	1	259.77539	192.75966	1.35	0.1894
e0703_h10	1	1036.14287	449.25576	2.31	0.0293
e0705_h10	1	528.52632	454.11966	1.16	0.2551
e0726_h10	1	-78.09558	456.63131	-0.17	0.8655
e0727_h10	1	-482.83419	474.18153	-1.02	0.3179
e0815_h10	1	-367.30196	480.25098	-0.76	0.4513
e0816_h10	1	442.49186	474.91494	0.93	0.3600
e0820_h10	1	203.63238	453.07081	0.45	0.6568
e0821_h10	1	45.87000	457.48953	0.10	0.9209
e0828_h10	1	397.71130	458.60975	0.87	0.3938
e0829_h10	1	551.31821	452.38267	1.22	0.2339
e0830_h10	1	22.55592	460.39017	0.05	0.9613
e0831_h10	1	1985.43357	573.29009	3.46	0.0019

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H10

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	7230891	425347	248.18	<.0001
Error	26	44561	1713.87694		
Corrected Total	43	7275451			

Root MSE	41.39900	R-Square	0.9939
Dependent Mean	6484.55564	Adj R-Sq	0.9899
Coeff Var	0.63842		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	345.74233	101.93553	3.39	0.0022
H12	1	0.92921	0.01540	60.35	<.0001
mon	1	21.81260	19.55200	1.12	0.2748
tue	1	5.80023	21.04630	0.28	0.7850
wed	1	-15.02447	20.75031	-0.72	0.4755
jul	1	-38.03924	15.02129	-2.53	0.0177
e0703_h10	1	-129.36858	45.11878	-2.87	0.0081
e0705_h10	1	135.86148	43.96894	3.09	0.0047
e0726_h10	1	-5.22092	43.97056	-0.12	0.9064
e0727_h10	1	61.36639	43.97663	1.40	0.1747
e0815_h10	1	-60.74897	45.84867	-1.32	0.1967
e0816_h10	1	11.19565	43.73978	0.26	0.8000
e0820_h10	1	-20.65930	44.89990	-0.46	0.6493
e0821_h10	1	-25.57407	46.04207	-0.56	0.5833
e0828_h10	1	-41.35162	45.98629	-0.90	0.3768
e0829_h10	1	-16.71193	45.50279	-0.37	0.7164
e0830_h10	1	19.02713	43.80948	0.43	0.6676
e0831_h10	1	-31.93359	44.00936	-0.73	0.4746

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H10

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	72048838	4238167	2214.81	<.0001
Error	26	49753	1913.56204		
Corrected Total	43	72098591			

Root MSE	43.74428	R-Square	0.9993
Dependent Mean	1906.92568	Adj R-Sq	0.9989
Coeff Var	2.29397		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-26.18242	47.87602	-0.55	0.5891
H12	1	0.92578	0.01575	58.77	<.0001
mon	1	-14.48533	20.50408	-0.71	0.4862
tue	1	16.87977	22.46897	0.75	0.4592
wed	1	-14.93635	21.96125	-0.68	0.5024
jul	1	-2.73222	40.45896	-0.07	0.9467
e0703_h10	1	157.45585	57.06801	2.76	0.0105
e0705_h10	1	33.94954	46.79039	0.73	0.4746
e0726_h10	1	-103.61944	50.01780	-2.07	0.0484
e0727_h10	1	54.73641	51.51923	1.06	0.2978
e0815_h10	1	-58.96091	49.19394	-1.20	0.2415
e0816_h10	1	34.83508	46.90090	0.74	0.4643
e0820_h10	1	-69.57311	47.90153	-1.45	0.1583
e0821_h10	1	-97.77331	49.08995	-1.99	0.0570
e0828_h10	1	-139.39471	50.20835	-2.78	0.0101
e0829_h10	1	-34.87172	52.53690	-0.66	0.5127
e0830_h10	1	-136.71280	49.06466	-2.79	0.0098
e0831_h10	1	-150.38427	53.96496	-2.79	0.0098

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H10

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	2607549345	153385256	25.00	<.0001
Error	26	159511569	6135060		
Corrected Total	43	2767060915			

Root MSE	2476.90540	R-Square	0.9424
Dependent Mean	14557	Adj R-Sq	0.9047
Coeff Var	17.01543		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-324.97177	1431.47800	-0.23	0.8222
H12	1	0.95038	0.06659	14.27	<.0001
mon	1	-469.02206	1148.03603	-0.41	0.6862
tue	1	-394.69908	1269.03789	-0.31	0.7583
wed	1	3178.66757	1245.77989	2.55	0.0170
jul	1	1112.75166	1023.06772	1.09	0.2867
e0703_h10	1	-1160.83102	2694.73898	-0.43	0.6702
e0705_h10	1	-1390.49830	2649.48295	-0.52	0.6042
e0726_h10	1	-2196.68346	2692.73101	-0.82	0.4220
e0727_h10	1	-1490.61049	2716.36247	-0.55	0.5879
e0815_h10	1	-3256.53195	2848.75645	-1.14	0.2634
e0816_h10	1	2904.20014	2720.71220	1.07	0.2956
e0820_h10	1	-2346.66931	2715.01261	-0.86	0.3953
e0821_h10	1	-1264.79210	2779.62419	-0.46	0.6529
e0828_h10	1	-3916.98014	2753.11765	-1.42	0.1667
e0829_h10	1	-5749.02125	2714.17545	-2.12	0.0439
e0830_h10	1	-2114.92243	2616.91301	-0.81	0.4263
e0831_h10	1	-918.64835	2612.07125	-0.35	0.7279

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H11

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	36069153	2121715	39.92	<.0001
Error	26	1381904	53150		
Corrected Total	43	37451057			

Root MSE	230.54319	R-Square	0.9631
Dependent Mean	13867	Adj R-Sq	0.9390
Coeff Var	1.66258		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-1637.03388	1095.78802	-1.49	0.1472
H12	1	1.10766	0.07773	14.25	<.0001
mon	1	-47.53005	107.81902	-0.44	0.6630
tue	1	88.43795	126.86577	0.70	0.4919
wed	1	-114.00603	119.62804	-0.95	0.3494
jul	1	117.31383	107.59660	1.09	0.2856
e0703_h11	1	219.98438	250.77028	0.88	0.3884
e0705_h11	1	237.54280	253.48526	0.94	0.3573
e0726_h11	1	-33.65016	254.88724	-0.13	0.8960
e0727_h11	1	-251.33763	264.68361	-0.95	0.3511
e0815_h11	1	-126.89497	268.07151	-0.47	0.6399
e0816_h11	1	-21.56532	265.09299	-0.08	0.9358
e0820_h11	1	296.47134	252.89980	1.17	0.2517
e0821_h11	1	-42.05570	255.36629	-0.16	0.8705
e0828_h11	1	29.42809	255.99159	0.11	0.9094
e0829_h11	1	-221.50469	252.51569	-0.88	0.3884
e0830_h11	1	202.36334	256.98540	0.79	0.4381
e0831_h11	1	427.19569	320.00506	1.33	0.1935

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H11

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	8233962	484351	417.82	<.0001
Error	26	30140	1159.24145		
Corrected Total	43	8264102			

Root MSE	34.04764	R-Square	0.9964
Dependent Mean	6558.77332	Adj R-Sq	0.9940
Coeff Var	0.51912		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-54.88605	83.83449	-0.65	0.5184
H12	1	0.99785	0.01266	78.80	<.0001
mon	1	26.48471	16.08008	1.65	0.1116
tue	1	-3.71074	17.30903	-0.21	0.8319
wed	1	-12.31687	17.06561	-0.72	0.4769
jul	1	5.28904	12.35391	0.43	0.6721
e0703_h11	1	-13.10959	37.10688	-0.35	0.7267
e0705_h11	1	91.01011	36.16122	2.52	0.0183
e0726_h11	1	-52.03953	36.16256	-1.44	0.1621
e0727_h11	1	1.32976	36.16755	0.04	0.9710
e0815_h11	1	-66.67929	37.70716	-1.77	0.0887
e0816_h11	1	-12.60443	35.97275	-0.35	0.7289
e0820_h11	1	-20.12053	36.92687	-0.54	0.5905
e0821_h11	1	10.24115	37.86622	0.27	0.7889
e0828_h11	1	15.10832	37.82035	0.40	0.6928
e0829_h11	1	0.91931	37.42271	0.02	0.9806
e0830_h11	1	-25.42220	36.03008	-0.71	0.4867
e0831_h11	1	-38.97293	36.19446	-1.08	0.2915

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H11

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	79932614	4701918	6256.49	<.0001
Error	26	19540	751.52677		
Corrected Total	43	79952153			

Root MSE	27.41399	R-Square	0.9998
Dependent Mean	2017.61682	Adj R-Sq	0.9996
Coeff Var	1.35873		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-43.23413	30.00330	-1.44	0.1615
H12	1	0.97761	0.00987	99.03	<.0001
mon	1	-2.05605	12.84965	-0.16	0.8741
tue	1	-4.55377	14.08102	-0.32	0.7490
wed	1	-29.20537	13.76284	-2.12	0.0435
jul	1	30.63449	25.35512	1.21	0.2378
e0703_h11	1	58.98014	35.76380	1.65	0.1111
e0705_h11	1	19.28584	29.32295	0.66	0.5165
e0726_h11	1	-48.93624	31.34553	-1.56	0.1306
e0727_h11	1	17.74462	32.28645	0.55	0.5873
e0815_h11	1	-28.55889	30.82922	-0.93	0.3628
e0816_h11	1	13.42889	29.39220	0.46	0.6515
e0820_h11	1	-57.50342	30.01928	-1.92	0.0665
e0821_h11	1	43.38632	30.76405	1.41	0.1703
e0828_h11	1	-116.02170	31.46494	-3.69	0.0011
e0829_h11	1	95.19678	32.92422	2.89	0.0076
e0830_h11	1	-68.91318	30.74821	-2.24	0.0338
e0831_h11	1	-122.57374	33.81916	-3.62	0.0012

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H11

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	2892817763	170165751	148.19	<.0001
Error	26	29856657	1148333		
Corrected Total	43	2922674420			

Root MSE	1071.60298	R-Square	0.9898
Dependent Mean	15475	Adj R-Sq	0.9831
Coeff Var	6.92470		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	324.39140	619.31154	0.52	0.6049
H12	1	1.00435	0.02881	34.86	<.0001
mon	1	-306.45352	496.68382	-0.62	0.5426
tue	1	297.82037	549.03380	0.54	0.5921
wed	1	952.89339	538.97151	1.77	0.0888
jul	1	122.35076	442.61780	0.28	0.7844
e0703_h11	1	-582.15599	1165.84602	-0.50	0.6217
e0705_h11	1	-618.23373	1146.26655	-0.54	0.5942
e0726_h11	1	-802.44689	1164.97730	-0.69	0.4970
e0727_h11	1	-641.11809	1175.20117	-0.55	0.5900
e0815_h11	1	-1964.75099	1232.47981	-1.59	0.1230
e0816_h11	1	1605.02789	1177.08302	1.36	0.1844
e0820_h11	1	-1817.36107	1174.61716	-1.55	0.1339
e0821_h11	1	-1327.89862	1202.57058	-1.10	0.2796
e0828_h11	1	-4380.46481	1191.10285	-3.68	0.0011
e0829_h11	1	-3299.75736	1174.25498	-2.81	0.0093
e0830_h11	1	-1383.97111	1132.17557	-1.22	0.2325
e0831_h11	1	-1107.22426	1130.08084	-0.98	0.3362

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H13

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	54928798	3231106	101.39	<.0001
Error	26	828584	31869		
Corrected Total	43	55757382			

Root MSE	178.51788	R-Square	0.9851
Dependent Mean	13840	Adj R-Sq	0.9754
Coeff Var	1.28986		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-100.46703	848.50807	-0.12	0.9067
H12	1	1.01133	0.06019	16.80	<.0001
mon	1	101.31376	83.48814	1.21	0.2358
tue	1	-71.74680	98.23673	-0.73	0.4717
wed	1	-150.94080	92.63230	-1.63	0.1153
jul	1	64.20837	83.31592	0.77	0.4479
e0703_h13	1	-2352.50436	194.18045	-12.12	<.0001
e0705_h13	1	-2260.18436	196.28276	-11.51	<.0001
e0726_h13	1	-26.80939	197.36836	-0.14	0.8930
e0727_h13	1	-355.75501	204.95404	-1.74	0.0944
e0815_h13	1	-19.83713	207.57742	-0.10	0.9246
e0816_h13	1	-140.25951	205.27104	-0.68	0.5005
e0820_h13	1	-39.82210	195.82941	-0.20	0.8404
e0821_h13	1	-185.22679	197.73931	-0.94	0.3575
e0828_h13	1	376.91749	198.22349	1.90	0.0684
e0829_h13	1	-2361.95287	195.53198	-12.08	<.0001
e0830_h13	1	183.38416	198.99304	0.92	0.3652
e0831_h13	1	-267.52311	247.79143	-1.08	0.2902

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H13

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	19533179	1149011	1216.36	<.0001
Error	26	24560	944.63380		
Corrected Total	43	19557740			

Root MSE	30.73490	R-Square	0.9987
Dependent Mean	6583.89245	Adj R-Sq	0.9979
Coeff Var	0.46682		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-11.83822	75.67763	-0.16	0.8769
H12	1	1.01181	0.01143	88.52	<.0001
mon	1	4.81002	14.51553	0.33	0.7430
tue	1	-18.06546	15.62491	-1.16	0.2581
wed	1	-12.99948	15.40517	-0.84	0.4065
jul	1	12.07297	11.15191	1.08	0.2889
e0703_h13	1	-33.42358	33.49649	-1.00	0.3276
e0705_h13	1	-2290.20507	32.64284	-70.16	<.0001
e0726_h13	1	9.98984	32.64404	0.31	0.7620
e0727_h13	1	-2348.75231	32.64855	-71.94	<.0001
e0815_h13	1	0.98059	34.03836	0.03	0.9772
e0816_h13	1	-15.76318	32.47271	-0.49	0.6314
e0820_h13	1	-79.99445	33.33399	-2.40	0.0239
e0821_h13	1	-30.25627	34.18194	-0.89	0.3842
e0828_h13	1	22.29838	34.14053	0.65	0.5194
e0829_h13	1	58.98068	33.78158	1.75	0.0926
e0830_h13	1	15.39247	32.52445	0.47	0.6400
e0831_h13	1	-89.42675	32.67284	-2.74	0.0110

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H13

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	90687727	5334572	3338.38	<.0001
Error	26	41547	1597.95470		
Corrected Total	43	90729274			

Root MSE	39.97443	R-Square	0.9995
Dependent Mean	2160.68955	Adj R-Sq	0.9992
Coeff Var	1.85008		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-0.41887	43.75010	-0.01	0.9924
H12	1	1.02522	0.01440	71.22	<.0001
mon	1	5.28223	18.73705	0.28	0.7802
tue	1	8.54844	20.53261	0.42	0.6806
wed	1	11.97289	20.06865	0.60	0.5559
jul	1	-2.53724	36.97223	-0.07	0.9458
e0703_h13	1	-108.50942	52.14993	-2.08	0.0475
e0705_h13	1	1.37536	42.75802	0.03	0.9746
e0726_h13	1	89.09584	45.70730	1.95	0.0621
e0727_h13	1	-5.27692	47.07934	-0.11	0.9116
e0815_h13	1	-89.23325	44.95444	-1.98	0.0578
e0816_h13	1	-22.92826	42.85901	-0.53	0.5972
e0820_h13	1	14.99970	43.77340	0.34	0.7346
e0821_h13	1	39.34490	44.85941	0.88	0.3885
e0828_h13	1	92.36526	45.88143	2.01	0.0546
e0829_h13	1	-37.92699	48.00931	-0.79	0.4367
e0830_h13	1	53.08698	44.83630	1.18	0.2471
e0831_h13	1	-34.79328	49.31430	-0.71	0.4867

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H13

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	2234457900	131438700	19.78	<.0001
Error	26	172789541	6645752		
Corrected Total	43	2407247441			

Root MSE	2577.93553	R-Square	0.9282
Dependent Mean	14679	Adj R-Sq	0.8813
Coeff Var	17.56149		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	3651.01308	1489.86634	2.45	0.0213
H12	1	0.67357	0.06930	9.72	<.0001
mon	1	478.28764	1194.86310	0.40	0.6922
tue	1	575.28729	1320.80049	0.44	0.6668
wed	1	2297.06850	1296.59382	1.77	0.0882
jul	1	-1466.49222	1064.79748	-1.38	0.1802
e0703_h13	1	-638.96999	2804.65428	-0.23	0.8216
e0705_h13	1	-347.35031	2757.55231	-0.13	0.9007
e0726_h13	1	4061.35727	2802.56442	1.45	0.1592
e0727_h13	1	7858.78059	2827.15978	2.78	0.0100
e0815_h13	1	4348.63482	2964.95396	1.47	0.1545
e0816_h13	1	5763.13225	2831.68692	2.04	0.0521
e0820_h13	1	3064.65701	2825.75485	1.08	0.2881
e0821_h13	1	3215.41019	2893.00187	1.11	0.2765
e0828_h13	1	2837.70844	2865.41415	0.99	0.3311
e0829_h13	1	859.48124	2824.88355	0.30	0.7634
e0830_h13	1	3368.62361	2723.65389	1.24	0.2272
e0831_h13	1	2562.56393	2718.61464	0.94	0.3546

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H14

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	91336417	5372730	27.12	<.0001
Error	26	5151506	198135		
Corrected Total	43	96487923			

Root MSE	445.12341	R-Square	0.9466
Dependent Mean	13358	Adj R-Sq	0.9117
Coeff Var	3.33235		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-2842.55197	2115.70294	-1.34	0.1907
H12	1	1.19152	0.15008	7.94	<.0001
mon	1	64.41428	208.17257	0.31	0.7595
tue	1	-372.40668	244.94728	-1.52	0.1405
wed	1	-532.98808	230.97296	-2.31	0.0292
jul	1	332.66660	207.74315	1.60	0.1214
e0703_h14	1	-3912.89474	484.17706	-8.08	<.0001
e0705_h14	1	-3731.91178	489.41904	-7.63	<.0001
e0726_h14	1	-1298.85028	492.12592	-2.64	0.0139
e0727_h14	1	-1999.96694	511.04035	-3.91	0.0006
e0815_h14	1	-1143.49005	517.58158	-2.21	0.0362
e0816_h14	1	-450.77632	511.83077	-0.88	0.3865
e0820_h14	1	-41.51052	488.28866	-0.09	0.9329
e0821_h14	1	-3133.07768	493.05086	-6.35	<.0001
e0828_h14	1	737.00402	494.25814	1.49	0.1480
e0829_h14	1	-3152.42005	487.54703	-6.47	<.0001
e0830_h14	1	227.69482	496.17696	0.46	0.6501
e0831_h14	1	-207.71174	617.85276	-0.34	0.7394

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H14

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	25702696	1511923	1338.36	<.0001
Error	26	29372	1129.68596		
Corrected Total	43	25732068			

Root MSE	33.61080	R-Square	0.9989
Dependent Mean	6513.44791	Adj R-Sq	0.9981
Coeff Var	0.51602		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	57.66943	82.75888	0.70	0.4921
H12	1	1.00712	0.01250	80.57	<.0001
mon	1	9.27982	15.87377	0.58	0.5639
tue	1	-23.13600	17.08696	-1.35	0.1874
wed	1	-10.53870	16.84666	-0.63	0.5371
jul	1	4.58541	12.19541	0.38	0.7100
e0703_h14	1	-15.33726	36.63080	-0.42	0.6789
e0705_h14	1	-2288.39490	35.69727	-64.11	<.0001
e0726_h14	1	-46.12169	35.69859	-1.29	0.2077
e0727_h14	1	-2480.62308	35.70352	-69.48	<.0001
e0815_h14	1	-77.10905	37.22338	-2.07	0.0484
e0816_h14	1	-63.77521	35.51122	-1.80	0.0841
e0820_h14	1	-86.14095	36.45309	-2.36	0.0259
e0821_h14	1	-2096.05604	37.38039	-56.07	<.0001
e0828_h14	1	5.64334	37.33511	0.15	0.8810
e0829_h14	1	-26.03585	36.94257	-0.70	0.4872
e0830_h14	1	-22.26776	35.56781	-0.63	0.5367
e0831_h14	1	-2232.12644	35.73009	-62.47	<.0001

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H14

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	90578859	5328168	1710.81	<.0001
Error	26	80975	3114.40521		
Corrected Total	43	90659834			

Root MSE	55.80686	R-Square	0.9991
Dependent Mean	2176.50068	Adj R-Sq	0.9985
Coeff Var	2.56406		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	81.55538	61.07793	1.34	0.1934
H12	1	1.00502	0.02010	50.01	<.0001
mon	1	1.89409	26.15812	0.07	0.9428
tue	1	15.73484	28.66484	0.55	0.5877
wed	1	51.16599	28.01712	1.83	0.0793
jul	1	-72.96153	51.61560	-1.41	0.1694
e0703_h14	1	-40.77908	72.80464	-0.56	0.5802
e0705_h14	1	3.68557	59.69294	0.06	0.9512
e0726_h14	1	198.42115	63.81032	3.11	0.0045
e0727_h14	1	69.08917	65.72576	1.05	0.3029
e0815_h14	1	-152.68541	62.75927	-2.43	0.0222
e0816_h14	1	-64.58772	59.83392	-1.08	0.2903
e0820_h14	1	-1.99579	61.11047	-0.03	0.9742
e0821_h14	1	16.38056	62.62660	0.26	0.7957
e0828_h14	1	66.55598	64.05341	1.04	0.3083
e0829_h14	1	-89.50944	67.02407	-1.34	0.1933
e0830_h14	1	107.21604	62.59435	1.71	0.0986
e0831_h14	1	-30.10736	68.84592	-0.44	0.6655

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H14

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	1503821839	88460108	6.15	<.0001
Error	26	374166037	14391001		
Corrected Total	43	1877987876			

Root MSE	3793.54734	R-Square	0.8008
Dependent Mean	14216	Adj R-Sq	0.6705
Coeff Var	26.68497		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	6475.34637	2192.40491	2.95	0.0066
H12	1	0.48466	0.10198	4.75	<.0001
mon	1	854.02583	1758.29446	0.49	0.6312
tue	1	1667.94892	1943.61695	0.86	0.3986
wed	1	3152.25852	1907.99576	1.65	0.1105
jul	1	-2433.92007	1566.89707	-1.55	0.1324
e0703_h14	1	-2644.11701	4127.17412	-0.64	0.5274
e0705_h14	1	-1225.07854	4057.86147	-0.30	0.7651
e0726_h14	1	4912.65849	4124.09879	1.19	0.2443
e0727_h14	1	7697.67859	4160.29196	1.85	0.0757
e0815_h14	1	4164.15010	4363.06225	0.95	0.3487
e0816_h14	1	8394.47939	4166.95386	2.01	0.0544
e0820_h14	1	63.12982	4158.22455	0.02	0.9880
e0821_h14	1	1101.58506	4257.18155	0.26	0.7979
e0828_h14	1	-1203.27733	4216.58499	-0.29	0.7776
e0829_h14	1	-3428.63368	4156.94239	-0.82	0.4170
e0830_h14	1	1981.57941	4007.97842	0.49	0.6252
e0831_h14	1	-709.13051	4000.56295	-0.18	0.8607

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H15

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	118594662	6976157	64.93	<.0001
Error	26	2793276	107434		
Corrected Total	43	121387937			

Root MSE	327.77077	R-Square	0.9770
Dependent Mean	12758	Adj R-Sq	0.9619
Coeff Var	2.56913		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	2219.25471	1557.91759	1.42	0.1662
H12	1	0.80660	0.11051	7.30	<.0001
mon	1	52.58298	153.28981	0.34	0.7343
tue	1	26.11019	180.36921	0.14	0.8860
wed	1	111.96055	170.07910	0.66	0.5161
jul	1	-142.82222	152.97360	-0.93	0.3591
e0703_h15	1	-4552.68492	356.52829	-12.77	<.0001
e0705_h15	1	-3666.75163	360.38827	-10.17	<.0001
e0726_h15	1	392.39526	362.38151	1.08	0.2888
e0727_h15	1	-4605.32384	376.30933	-12.24	<.0001
e0815_h15	1	-4628.30783	381.12602	-12.14	<.0001
e0816_h15	1	-4151.34095	376.89136	-11.01	<.0001
e0820_h15	1	-67.37217	359.55590	-0.19	0.8528
e0821_h15	1	-3964.43740	363.06259	-10.92	<.0001
e0828_h15	1	494.95024	363.95159	1.36	0.1855
e0829_h15	1	-3956.40117	359.00980	-11.02	<.0001
e0830_h15	1	637.79500	365.36453	1.75	0.0927
e0831_h15	1	-1656.59717	454.96164	-3.64	0.0012

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H15

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	37094652	2182038	1236.64	<.0001
Error	26	45877	1764.48534		
Corrected Total	43	37140529			

Root MSE	42.00578	R-Square	0.9988
Dependent Mean	6315.19986	Adj R-Sq	0.9980
Coeff Var	0.66515		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	371.26113	103.42959	3.59	0.0014
H12	1	0.96118	0.01562	61.53	<.0001
mon	1	26.25514	19.83857	1.32	0.1972
tue	1	-32.42051	21.35477	-1.52	0.1410
wed	1	-25.75162	21.05445	-1.22	0.2323
jul	1	-7.06718	15.24146	-0.46	0.6467
e0703_h15	1	-2234.26332	45.78008	-48.80	<.0001
e0705_h15	1	-2230.40881	44.61339	-49.99	<.0001
e0726_h15	1	-24.44334	44.61503	-0.55	0.5885
e0727_h15	1	-2479.96149	44.62119	-55.58	<.0001
e0815_h15	1	-2247.45439	46.52067	-48.31	<.0001
e0816_h15	1	-2232.39501	44.38087	-50.30	<.0001
e0820_h15	1	-96.61760	45.55799	-2.12	0.0436
e0821_h15	1	-2193.01311	46.71690	-46.94	<.0001
e0828_h15	1	18.82079	46.66031	0.40	0.6900
e0829_h15	1	-2208.30832	46.16972	-47.83	<.0001
e0830_h15	1	-17.17096	44.45159	-0.39	0.7024
e0831_h15	1	-2314.32572	44.65440	-51.83	<.0001

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H15

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	81831536	4813620	700.90	<.0001
Error	26	178561	6867.74621		
Corrected Total	43	82010098			

Root MSE	82.87187	R-Square	0.9978
Dependent Mean	2124.59193	Adj R-Sq	0.9964
Coeff Var	3.90060		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	156.18734	90.69929	1.72	0.0969
H12	1	0.98123	0.02984	32.88	<.0001
mon	1	20.58417	38.84420	0.53	0.6007
tue	1	25.53939	42.56661	0.60	0.5537
wed	1	91.46813	41.60476	2.20	0.0370
jul	1	-149.46670	76.64796	-1.95	0.0620
e0703_h15	1	21.78261	108.11317	0.20	0.8419
e0705_h15	1	25.24463	88.64261	0.28	0.7781
e0726_h15	1	283.83232	94.75682	3.00	0.0060
e0727_h15	1	135.92380	97.60121	1.39	0.1755
e0815_h15	1	-517.99629	93.19604	-5.56	<.0001
e0816_h15	1	3.24459	88.85197	0.04	0.9711
e0820_h15	1	-290.42605	90.74761	-3.20	0.0036
e0821_h15	1	-523.90021	92.99903	-5.63	<.0001
e0828_h15	1	-360.81614	95.11780	-3.79	0.0008
e0829_h15	1	-482.07494	99.52916	-4.84	<.0001
e0830_h15	1	-99.17242	92.95113	-1.07	0.2958
e0831_h15	1	-451.08848	102.23456	-4.41	0.0002

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H15

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	1111286366	65369786	4.90	0.0002
Error	26	346872597	13341254		
Corrected Total	43	1458158963			

Root MSE	3652.56810	R-Square	0.7621
Dependent Mean	12967	Adj R-Sq	0.6066
Coeff Var	28.16917		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	7094.12942	2110.92877	3.36	0.0024
H12	1	0.41972	0.09819	4.27	0.0002
mon	1	300.56777	1692.95113	0.18	0.8605
tue	1	1564.83407	1871.38650	0.84	0.4107
wed	1	1663.22900	1837.08909	0.91	0.3736
jul	1	-2232.05317	1508.66662	-1.48	0.1510
e0703_h15	1	-5148.84957	3973.79634	-1.30	0.2065
e0705_h15	1	-1638.28834	3907.05955	-0.42	0.6784
e0726_h15	1	-2149.94917	3970.83530	-0.54	0.5928
e0727_h15	1	5984.61246	4005.68343	1.49	0.1472
e0815_h15	1	1979.22248	4200.91818	0.47	0.6415
e0816_h15	1	9799.25709	4012.09775	2.44	0.0217
e0820_h15	1	-2376.61668	4003.69285	-0.59	0.5579
e0821_h15	1	-3767.41273	4098.97231	-0.92	0.3665
e0828_h15	1	-2807.72176	4059.88444	-0.69	0.4953
e0829_h15	1	-2930.44040	4002.45833	-0.73	0.4706
e0830_h15	1	-978.89503	3859.03030	-0.25	0.8018
e0831_h15	1	-1982.51184	3851.89040	-0.51	0.6111

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H16

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	111707585	6571034	61.56	<.0001
Error	26	2775188	106738		
Corrected Total	43	114482773			

Root MSE	326.70784	R-Square	0.9758
Dependent Mean	12679	Adj R-Sq	0.9599
Coeff Var	2.57681		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	4143.96420	1552.86540	2.67	0.0129
H12	1	0.66641	0.11015	6.05	<.0001
mon	1	91.12451	152.79271	0.60	0.5561
tue	1	116.48813	179.78429	0.65	0.5227
wed	1	-206.61780	169.52754	-1.22	0.2339
jul	1	-178.62089	152.47752	-1.17	0.2520
e0703_h16	1	-4446.19949	355.37210	-12.51	<.0001
e0705_h16	1	-3785.66950	359.21957	-10.54	<.0001
e0726_h16	1	548.02427	361.20634	1.52	0.1413
e0727_h16	1	-4568.45360	375.08899	-12.18	<.0001
e0815_h16	1	-4077.26691	379.89007	-10.73	<.0001
e0816_h16	1	-4158.51667	375.66913	-11.07	<.0001
e0820_h16	1	-88.97214	358.38990	-0.25	0.8059
e0821_h16	1	-3963.58841	361.88522	-10.95	<.0001
e0828_h16	1	325.30882	362.77133	0.90	0.3781
e0829_h16	1	-3785.27446	357.84556	-10.58	<.0001
e0830_h16	1	248.94679	364.17969	0.68	0.5003
e0831_h16	1	-2005.10273	453.48624	-4.42	0.0002

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H16

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	38599701	2270571	1131.02	<.0001
Error	26	52196	2007.54351		
Corrected Total	43	38651897			

Root MSE	44.80562	R-Square	0.9986
Dependent Mean	6291.99477	Adj R-Sq	0.9978
Coeff Var	0.71211		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	393.91985	110.32355	3.57	0.0014
H12	1	0.95669	0.01666	57.41	<.0001
mon	1	10.90309	21.16088	0.52	0.6107
tue	1	-14.36858	22.77814	-0.63	0.5337
wed	1	-17.78081	22.45780	-0.79	0.4357
jul	1	-15.56967	16.25736	-0.96	0.3470
e0703_h16	1	-2383.32547	48.83149	-48.81	<.0001
e0705_h16	1	-2187.88928	47.58703	-45.98	<.0001
e0726_h16	1	-25.86958	47.58879	-0.54	0.5913
e0727_h16	1	-2481.50421	47.59536	-52.14	<.0001
e0815_h16	1	-2436.59794	49.62144	-49.10	<.0001
e0816_h16	1	-2349.85390	47.33902	-49.64	<.0001
e0820_h16	1	-49.34796	48.59460	-1.02	0.3192
e0821_h16	1	-2219.37611	49.83076	-44.54	<.0001
e0828_h16	1	-9.76945	49.77039	-0.20	0.8459
e0829_h16	1	-2291.37760	49.24711	-46.53	<.0001
e0830_h16	1	-95.01497	47.41445	-2.00	0.0556
e0831_h16	1	-2349.64978	47.63078	-49.33	<.0001

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H16

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	79421472	4671851	308.23	<.0001
Error	26	394083	15157		
Corrected Total	43	79815555			

Root MSE	123.11397	R-Square	0.9951
Dependent Mean	2112.11795	Adj R-Sq	0.9918
Coeff Var	5.82893		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-5.30421	134.74234	-0.04	0.9689
H12	1	1.01812	0.04434	22.96	<.0001
mon	1	47.65663	57.70671	0.83	0.4164
tue	1	51.84920	63.23671	0.82	0.4197
wed	1	136.66202	61.80778	2.21	0.0360
jul	1	-9.50313	113.86776	-0.08	0.9341
e0703_h16	1	-81.85154	160.61230	-0.51	0.6146
e0705_h16	1	58.49078	131.68694	0.44	0.6606
e0726_h16	1	88.61333	140.77018	0.63	0.5345
e0727_h16	1	64.49390	144.99580	0.44	0.6601
e0815_h16	1	-489.26745	138.45150	-3.53	0.0016
e0816_h16	1	-0.06200	131.99797	-0.00	0.9996
e0820_h16	1	-301.85975	134.81413	-2.24	0.0339
e0821_h16	1	-499.02807	138.15882	-3.61	0.0013
e0828_h16	1	-207.97608	141.30646	-1.47	0.1531
e0829_h16	1	-918.09106	147.85994	-6.21	<.0001
e0830_h16	1	-158.05209	138.08766	-1.14	0.2628
e0831_h16	1	-451.22212	151.87908	-2.97	0.0063

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H16

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	780401192	45905952	1.98	0.0571
Error	26	603956211	23229085		
Corrected Total	43	1384357402			

Root MSE	4819.65611	R-Square	0.5637
Dependent Mean	12077	Adj R-Sq	0.2785
Coeff Var	39.90645		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	7083.93751	2785.42398	2.54	0.0173
H12	1	0.35891	0.12957	2.77	0.0102
mon	1	429.01517	2233.89189	0.19	0.8492
tue	1	3748.54435	2469.34188	1.52	0.1411
wed	1	-711.81837	2424.08558	-0.29	0.7714
jul	1	-1971.88230	1990.72382	-0.99	0.3310
e0703_h16	1	-7588.89449	5243.52491	-1.45	0.1598
e0705_h16	1	-1755.99694	5155.46402	-0.34	0.7361
e0726_h16	1	-2252.12710	5239.61774	-0.43	0.6709
e0727_h16	1	7655.66489	5285.60073	1.45	0.1595
e0815_h16	1	5669.45622	5543.21794	1.02	0.3158
e0816_h16	1	2114.36839	5294.06459	0.40	0.6929
e0820_h16	1	-1980.40509	5282.97411	-0.37	0.7108
e0821_h16	1	-5408.72944	5408.69778	-1.00	0.3265
e0828_h16	1	-5812.77633	5357.12034	-1.09	0.2879
e0829_h16	1	-1443.84420	5281.34513	-0.27	0.7867
e0830_h16	1	969.07617	5092.08821	0.19	0.8505
e0831_h16	1	-1388.90290	5082.66694	-0.27	0.7868

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H17

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	106738641	6278744	48.82	<.0001
Error	26	3344203	128623		
Corrected Total	43	110082845			

Root MSE	358.64076	R-Square	0.9696
Dependent Mean	12324	Adj R-Sq	0.9498
Coeff Var	2.91011		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	2294.69162	1704.64482	1.35	0.1899
H12	1	0.76252	0.12092	6.31	<.0001
mon	1	255.46000	167.72690	1.52	0.1398
tue	1	55.55899	197.35668	0.28	0.7805
wed	1	141.23880	186.09742	0.76	0.4547
jul	1	-65.10670	167.38091	-0.39	0.7005
e0703_h17	1	-4202.74276	390.10671	-10.77	<.0001
e0705_h17	1	-3302.87718	394.33023	-8.38	<.0001
e0726_h17	1	436.57363	396.51119	1.10	0.2810
e0727_h17	1	-4528.66729	411.75075	-11.00	<.0001
e0815_h17	1	-4373.87383	417.02110	-10.49	<.0001
e0816_h17	1	-4091.22956	412.38760	-9.92	<.0001
e0820_h17	1	-163.38078	393.41947	-0.42	0.6813
e0821_h17	1	-3865.86446	397.25642	-9.73	<.0001
e0828_h17	1	465.03807	398.22915	1.17	0.2535
e0829_h17	1	-3913.21431	392.82193	-9.96	<.0001
e0830_h17	1	62.14179	399.77516	0.16	0.8777
e0831_h17	1	-1582.25771	497.81067	-3.18	0.0038

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H17

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	38650760	2273574	786.61	<.0001
Error	26	75149	2890.35318		
Corrected Total	43	38725909			

Root MSE	53.76200	R-Square	0.9981
Dependent Mean	6274.62736	Adj R-Sq	0.9968
Coeff Var	0.85682		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	513.65491	132.37660	3.88	0.0006
H12	1	0.93653	0.01999	46.84	<.0001
mon	1	9.09467	25.39082	0.36	0.7231
tue	1	-0.69947	27.33136	-0.03	0.9798
wed	1	-13.58831	26.94699	-0.50	0.6183
jul	1	-20.72691	19.50711	-1.06	0.2978
e0703_h17	1	-2429.90064	58.59263	-41.47	<.0001
e0705_h17	1	-2212.42782	57.09941	-38.75	<.0001
e0726_h17	1	-24.32077	57.10151	-0.43	0.6737
e0727_h17	1	-2501.07791	57.10940	-43.79	<.0001
e0815_h17	1	-2458.06561	59.54048	-41.28	<.0001
e0816_h17	1	-2346.50005	56.80181	-41.31	<.0001
e0820_h17	1	-68.91808	58.30838	-1.18	0.2479
e0821_h17	1	-2211.12693	59.79164	-36.98	<.0001
e0828_h17	1	-30.47333	59.71921	-0.51	0.6142
e0829_h17	1	-2287.36146	59.09132	-38.71	<.0001
e0830_h17	1	-130.57376	56.89233	-2.30	0.0300
e0831_h17	1	-2363.53309	57.15190	-41.36	<.0001

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H17

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	80585150	4740303	730.13	<.0001
Error	26	168803	6492.41191		
Corrected Total	43	80753953			

Root MSE	80.57550	R-Square	0.9979
Dependent Mean	2144.54784	Adj R-Sq	0.9965
Coeff Var	3.75723		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	93.12690	88.18603	1.06	0.3007
H12	1	1.00605	0.02902	34.67	<.0001
mon	1	40.58398	37.76783	1.07	0.2924
tue	1	42.50605	41.38710	1.03	0.3139
wed	1	110.67837	40.45190	2.74	0.0111
jul	1	-74.24101	74.52406	-1.00	0.3283
e0703_h17	1	-186.26200	105.11738	-1.77	0.0881
e0705_h17	1	40.14299	86.18634	0.47	0.6453
e0726_h17	1	260.56522	92.13113	2.83	0.0089
e0727_h17	1	46.10919	94.89670	0.49	0.6311
e0815_h17	1	-476.26799	90.61360	-5.26	<.0001
e0816_h17	1	-57.76969	86.38990	-0.67	0.5096
e0820_h17	1	-358.62966	88.23302	-4.06	0.0004
e0821_h17	1	-471.93146	90.42205	-5.22	<.0001
e0828_h17	1	-186.78980	92.48211	-2.02	0.0538
e0829_h17	1	-932.44056	96.77123	-9.64	<.0001
e0830_h17	1	-347.28419	90.37547	-3.84	0.0007
e0831_h17	1	-296.47616	99.40167	-2.98	0.0061

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H17

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	726940861	42761227	2.23	0.0318
Error	26	498649646	19178833		
Corrected Total	43	1225590507			

Root MSE	4379.36440	R-Square	0.5931
Dependent Mean	10583	Adj R-Sq	0.3271
Coeff Var	41.38281		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	7309.37416	2530.96618	2.89	0.0077
H12	1	0.24353	0.11773	2.07	0.0487
mon	1	1314.54412	2029.81839	0.65	0.5229
tue	1	3774.32359	2243.75924	1.68	0.1045
wed	1	492.90930	2202.63726	0.22	0.8247
jul	1	-3584.75735	1808.86454	-1.98	0.0582
e0703_h17	1	-5984.15134	4764.51137	-1.26	0.2203
e0705_h17	1	-202.20284	4684.49513	-0.04	0.9659
e0726_h17	1	89.09830	4760.96113	0.02	0.9852
e0727_h17	1	9984.76704	4802.74342	2.08	0.0476
e0815_h17	1	6520.04803	5036.82643	1.29	0.2069
e0816_h17	1	1371.04923	4810.43407	0.29	0.7779
e0820_h17	1	-1615.83300	4800.35675	-0.34	0.7391
e0821_h17	1	-4293.44405	4914.59514	-0.87	0.3903
e0828_h17	1	-4780.66739	4867.72947	-0.98	0.3351
e0829_h17	1	-1525.26914	4798.87659	-0.32	0.7531
e0830_h17	1	4085.75985	4626.90892	0.88	0.3853
e0831_h17	1	2762.43905	4618.34831	0.60	0.5549

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H18

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	97916941	5759820	38.05	<.0001
Error	26	3935918	151381		
Corrected Total	43	101852858			

Root MSE	389.07769	R-Square	0.9614
Dependent Mean	11832	Adj R-Sq	0.9361
Coeff Var	3.28848		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1858.47537	1849.31365	1.00	0.3242
H12	1	0.75221	0.13118	5.73	<.0001
mon	1	378.45528	181.96145	2.08	0.0475
tue	1	267.50342	214.10584	1.25	0.2227
wed	1	403.80179	201.89103	2.00	0.0560
jul	1	-78.68380	181.58610	-0.43	0.6684
e0703_h18	1	-3871.89163	423.21406	-9.15	<.0001
e0705_h18	1	-3234.14938	427.79603	-7.56	<.0001
e0726_h18	1	505.49845	430.16208	1.18	0.2506
e0727_h18	1	-4411.30225	446.69499	-9.88	<.0001
e0815_h18	1	-4107.28740	452.41261	-9.08	<.0001
e0816_h18	1	-3789.67298	447.38588	-8.47	<.0001
e0820_h18	1	-293.57376	426.80797	-0.69	0.4976
e0821_h18	1	-3383.93989	430.97056	-7.85	<.0001
e0828_h18	1	348.83441	432.02584	0.81	0.4267
e0829_h18	1	-3917.03590	426.15972	-9.19	<.0001
e0830_h18	1	-2239.54606	433.70305	-5.16	<.0001
e0831_h18	1	-1643.53936	540.05859	-3.04	0.0053

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H18

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	31488836	1852284	577.99	<.0001
Error	26	83323	3204.71336		
Corrected Total	43	31572159			

Root MSE	56.61019	R-Square	0.9974
Dependent Mean	6328.30614	Adj R-Sq	0.9956
Coeff Var	0.89456		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	570.53632	139.38959	4.09	0.0004
H12	1	0.92082	0.02105	43.74	<.0001
mon	1	22.25294	26.73597	0.83	0.4128
tue	1	-11.45789	28.77931	-0.40	0.6938
wed	1	-12.12721	28.37458	-0.43	0.6726
jul	1	-5.60417	20.54055	-0.27	0.7871
e0703_h18	1	-396.33994	61.69672	-6.42	<.0001
e0705_h18	1	-2202.83391	60.12440	-36.64	<.0001
e0726_h18	1	-3.45868	60.12662	-0.06	0.9546
e0727_h18	1	-2503.53730	60.13492	-41.63	<.0001
e0815_h18	1	-504.21354	62.69480	-8.04	<.0001
e0816_h18	1	-2359.46635	59.81104	-39.45	<.0001
e0820_h18	1	-39.86427	61.39742	-0.65	0.5219
e0821_h18	1	-2180.23862	62.95926	-34.63	<.0001
e0828_h18	1	-7.96568	62.88299	-0.13	0.9002
e0829_h18	1	-2275.60597	62.22184	-36.57	<.0001
e0830_h18	1	-127.91864	59.90635	-2.14	0.0423
e0831_h18	1	-2376.08430	60.17967	-39.48	<.0001

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H18

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	83254139	4897302	694.91	<.0001
Error	26	183232	7047.39026		
Corrected Total	43	83437371			

Root MSE	83.94874	R-Square	0.9978
Dependent Mean	2162.86489	Adj R-Sq	0.9964
Coeff Var	3.88137		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	50.93059	91.87788	0.55	0.5841
H12	1	1.01025	0.03023	33.42	<.0001
mon	1	57.20970	39.34895	1.45	0.1579
tue	1	75.65260	43.11974	1.75	0.0911
wed	1	129.20079	42.14538	3.07	0.0050
jul	1	-41.81133	77.64395	-0.54	0.5948
e0703_h18	1	-237.39729	109.51803	-2.17	0.0395
e0705_h18	1	47.42223	89.79446	0.53	0.6019
e0726_h18	1	276.84500	95.98813	2.88	0.0078
e0727_h18	1	-12.06680	98.86948	-0.12	0.9038
e0815_h18	1	-505.03375	94.40707	-5.35	<.0001
e0816_h18	1	-0.21206	90.00654	-0.00	0.9981
e0820_h18	1	-324.50492	91.92682	-3.53	0.0016
e0821_h18	1	-459.38261	94.20750	-4.88	<.0001
e0828_h18	1	22.50183	96.35380	0.23	0.8172
e0829_h18	1	-682.14981	100.82248	-6.77	<.0001
e0830_h18	1	165.13388	94.15897	1.75	0.0913
e0831_h18	1	-261.45073	103.56304	-2.52	0.0180

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H18

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	633264223	37250837	2.46	0.0189
Error	26	394052413	15155862		
Corrected Total	43	1027316636			

Root MSE	3893.05305	R-Square	0.6164
Dependent Mean	9079.63636	Adj R-Sq	0.3656
Coeff Var	42.87675		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	6598.50348	2249.91225	2.93	0.0069
H12	1	0.19232	0.10466	1.84	0.0776
mon	1	1642.23727	1804.41497	0.91	0.3711
tue	1	2849.47386	1994.59852	1.43	0.1650
wed	1	550.64766	1958.04297	0.28	0.7808
jul	1	-3766.52808	1607.99718	-2.34	0.0271
e0703_h18	1	-4504.74507	4235.43095	-1.06	0.2973
e0705_h18	1	201.62159	4164.30021	0.05	0.9618
e0726_h18	1	316.89504	4232.27495	0.07	0.9409
e0727_h18	1	7708.06138	4269.41748	1.81	0.0826
e0815_h18	1	7073.75984	4477.50648	1.58	0.1262
e0816_h18	1	2040.88073	4276.25412	0.48	0.6372
e0820_h18	1	-1670.54687	4267.29584	-0.39	0.6986
e0821_h18	1	-3347.04594	4368.84850	-0.77	0.4505
e0828_h18	1	1026.66019	4327.18708	0.24	0.8143
e0829_h18	1	-1718.58017	4265.98004	-0.40	0.6903
e0830_h18	1	3503.74771	4113.10871	0.85	0.4021
e0831_h18	1	3963.33922	4105.49873	0.97	0.3433

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H19

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	24591097	1446535	9.72	<.0001
Error	26	3868390	148784		
Corrected Total	43	28459486			

Root MSE	385.72557	R-Square	0.8641
Dependent Mean	11463	Adj R-Sq	0.7752
Coeff Var	3.36503		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1956.51720	1833.38079	1.07	0.2957
H12	1	0.67699	0.13005	5.21	<.0001
mon	1	530.96463	180.39375	2.94	0.0067
tue	1	390.88474	212.26119	1.84	0.0770
wed	1	406.23968	200.15163	2.03	0.0527
jul	1	-23.90142	180.02163	-0.13	0.8954
e0703_h19	1	-661.83280	419.56784	-1.58	0.1268
e0705_h19	1	-152.36950	424.11033	-0.36	0.7223
e0726_h19	1	664.34561	426.45600	1.56	0.1314
e0727_h19	1	-2425.27626	442.84646	-5.48	<.0001
e0815_h19	1	-1329.48871	448.51482	-2.96	0.0064
e0816_h19	1	-719.12881	443.53141	-1.62	0.1170
e0820_h19	1	-328.23854	423.13078	-0.78	0.4449
e0821_h19	1	-877.26445	427.25751	-2.05	0.0502
e0828_h19	1	428.29718	428.30369	1.00	0.3265
e0829_h19	1	-453.46118	422.48812	-1.07	0.2930
e0830_h19	1	-2479.65903	429.96646	-5.77	<.0001
e0831_h19	1	249.32741	535.40568	0.47	0.6453

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H19

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	11163157	656656	204.08	<.0001
Error	26	83659	3217.63584		
Corrected Total	43	11246816			

Root MSE	56.72421	R-Square	0.9926
Dependent Mean	6533.94241	Adj R-Sq	0.9877
Coeff Var	0.86815		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	524.90105	139.67034	3.76	0.0009
H12	1	0.92632	0.02110	43.91	<.0001
mon	1	-2.39415	26.78982	-0.09	0.9295
tue	1	-21.65183	28.83728	-0.75	0.4595
wed	1	-10.25442	28.43173	-0.36	0.7213
jul	1	-37.66564	20.58192	-1.83	0.0787
e0703_h19	1	-43.16926	61.82099	-0.70	0.4912
e0705_h19	1	-264.93518	60.24550	-4.40	0.0002
e0726_h19	1	-33.56027	60.24772	-0.56	0.5823
e0727_h19	1	-459.29046	60.25604	-7.62	<.0001
e0815_h19	1	-176.13423	62.82107	-2.80	0.0094
e0816_h19	1	-461.21961	59.93150	-7.70	<.0001
e0820_h19	1	20.40461	61.52108	0.33	0.7428
e0821_h19	1	-341.03343	63.08606	-5.41	<.0001
e0828_h19	1	23.43272	63.00964	0.37	0.7130
e0829_h19	1	-340.03019	62.34716	-5.45	<.0001
e0830_h19	1	-83.56917	60.02701	-1.39	0.1757
e0831_h19	1	-2392.88515	60.30088	-39.68	<.0001

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H19

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	83432818	4907813	569.65	<.0001
Error	26	224004	8615.54690		
Corrected Total	43	83656822			

Root MSE	92.81997	R-Square	0.9973
Dependent Mean	2147.58886	Adj R-Sq	0.9956
Coeff Var	4.32205		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	33.21767	101.58702	0.33	0.7463
H12	1	0.98630	0.03343	29.51	<.0001
mon	1	82.45639	43.50713	1.90	0.0692
tue	1	89.36790	47.67639	1.87	0.0721
wed	1	142.68477	46.59907	3.06	0.0051
jul	1	-28.58882	85.84893	-0.33	0.7418
e0703_h19	1	-310.35672	121.09129	-2.56	0.0165
e0705_h19	1	50.37829	99.28344	0.51	0.6161
e0726_h19	1	267.37915	106.13162	2.52	0.0182
e0727_h19	1	-20.91103	109.31746	-0.19	0.8498
e0815_h19	1	-227.17082	104.38348	-2.18	0.0388
e0816_h19	1	12.34992	99.51793	0.12	0.9022
e0820_h19	1	15.14101	101.64114	0.15	0.8827
e0821_h19	1	-107.23618	104.16282	-1.03	0.3127
e0828_h19	1	19.46488	106.53594	0.18	0.8564
e0829_h19	1	-118.19541	111.47684	-1.06	0.2988
e0830_h19	1	341.82611	104.10917	3.28	0.0029
e0831_h19	1	-304.12724	114.50700	-2.66	0.0133

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H19

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	893933502	52584324	1.64	0.1256
Error	26	835627555	32139521		
Corrected Total	43	1729561057			

Root MSE	5669.17290	R-Square	0.5169
Dependent Mean	9475.29545	Adj R-Sq	0.2010
Coeff Var	59.83109		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	5105.60305	3276.38523	1.56	0.1313
H12	1	0.25779	0.15241	1.69	0.1027
mon	1	1934.60382	2627.63962	0.74	0.4682
tue	1	6531.56099	2904.59023	2.25	0.0332
wed	1	1368.15664	2851.35702	0.48	0.6354
jul	1	-3960.06047	2341.61054	-1.69	0.1028
e0703_h19	1	-6900.48854	6167.75318	-1.12	0.2735
e0705_h19	1	763.58742	6064.17060	0.13	0.9008
e0726_h19	1	5736.06430	6163.15733	0.93	0.3606
e0727_h19	1	6390.86463	6217.24532	1.03	0.3135
e0815_h19	1	9085.84190	6520.27036	1.39	0.1753
e0816_h19	1	1095.32941	6227.20102	0.18	0.8617
e0820_h19	1	1451.24463	6214.15573	0.23	0.8172
e0821_h19	1	-3840.85236	6362.03956	-0.60	0.5513
e0828_h19	1	-2814.03933	6301.37104	-0.45	0.6589
e0829_h19	1	703.68319	6212.23963	0.11	0.9107
e0830_h19	1	2622.77423	5989.62412	0.44	0.6651
e0831_h19	1	1290.73569	5978.54224	0.22	0.8308

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H13

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	54928798	3231106	101.39	<.0001
Error	26	828584	31869		
Corrected Total	43	55757382			

Root MSE	178.51788	R-Square	0.9851
Dependent Mean	13840	Adj R-Sq	0.9754
Coeff Var	1.28986		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-100.46703	848.50807	-0.12	0.9067
H12	1	1.01133	0.06019	16.80	<.0001
mon	1	101.31376	83.48814	1.21	0.2358
tue	1	-71.74680	98.23673	-0.73	0.4717
wed	1	-150.94080	92.63230	-1.63	0.1153
jul	1	64.20837	83.31592	0.77	0.4479
e0703_h13	1	-2352.50436	194.18045	-12.12	<.0001
e0705_h13	1	-2260.18436	196.28276	-11.51	<.0001
e0726_h13	1	-26.80939	197.36836	-0.14	0.8930
e0727_h13	1	-355.75501	204.95404	-1.74	0.0944
e0815_h13	1	-19.83713	207.57742	-0.10	0.9246
e0816_h13	1	-140.25951	205.27104	-0.68	0.5005
e0820_h13	1	-39.82210	195.82941	-0.20	0.8404
e0821_h13	1	-185.22679	197.73931	-0.94	0.3575
e0828_h13	1	376.91749	198.22349	1.90	0.0684
e0829_h13	1	-2361.95287	195.53198	-12.08	<.0001
e0830_h13	1	183.38416	198.99304	0.92	0.3652
e0831_h13	1	-267.52311	247.79143	-1.08	0.2902

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H13

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	19533179	1149011	1216.36	<.0001
Error	26	24560	944.63380		
Corrected Total	43	19557740			

Root MSE	30.73490	R-Square	0.9987
Dependent Mean	6583.89245	Adj R-Sq	0.9979
Coeff Var	0.46682		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-11.83822	75.67763	-0.16	0.8769
H12	1	1.01181	0.01143	88.52	<.0001
mon	1	4.81002	14.51553	0.33	0.7430
tue	1	-18.06546	15.62491	-1.16	0.2581
wed	1	-12.99948	15.40517	-0.84	0.4065
jul	1	12.07297	11.15191	1.08	0.2889
e0703_h13	1	-33.42358	33.49649	-1.00	0.3276
e0705_h13	1	-2290.20507	32.64284	-70.16	<.0001
e0726_h13	1	9.98984	32.64404	0.31	0.7620
e0727_h13	1	-2348.75231	32.64855	-71.94	<.0001
e0815_h13	1	0.98059	34.03836	0.03	0.9772
e0816_h13	1	-15.76318	32.47271	-0.49	0.6314
e0820_h13	1	-79.99445	33.33399	-2.40	0.0239
e0821_h13	1	-30.25627	34.18194	-0.89	0.3842
e0828_h13	1	22.29838	34.14053	0.65	0.5194
e0829_h13	1	58.98068	33.78158	1.75	0.0926
e0830_h13	1	15.39247	32.52445	0.47	0.6400
e0831_h13	1	-89.42675	32.67284	-2.74	0.0110

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H13

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	90687727	5334572	3338.38	<.0001
Error	26	41547	1597.95470		
Corrected Total	43	90729274			

Root MSE	39.97443	R-Square	0.9995
Dependent Mean	2160.68955	Adj R-Sq	0.9992
Coeff Var	1.85008		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-0.41887	43.75010	-0.01	0.9924
H12	1	1.02522	0.01440	71.22	<.0001
mon	1	5.28223	18.73705	0.28	0.7802
tue	1	8.54844	20.53261	0.42	0.6806
wed	1	11.97289	20.06865	0.60	0.5559
jul	1	-2.53724	36.97223	-0.07	0.9458
e0703_h13	1	-108.50942	52.14993	-2.08	0.0475
e0705_h13	1	1.37536	42.75802	0.03	0.9746
e0726_h13	1	89.09584	45.70730	1.95	0.0621
e0727_h13	1	-5.27692	47.07934	-0.11	0.9116
e0815_h13	1	-89.23325	44.95444	-1.98	0.0578
e0816_h13	1	-22.92826	42.85901	-0.53	0.5972
e0820_h13	1	14.99970	43.77340	0.34	0.7346
e0821_h13	1	39.34490	44.85941	0.88	0.3885
e0828_h13	1	92.36526	45.88143	2.01	0.0546
e0829_h13	1	-37.92699	48.00931	-0.79	0.4367
e0830_h13	1	53.08698	44.83630	1.18	0.2471
e0831_h13	1	-34.79328	49.31430	-0.71	0.4867

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H13

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	2234457900	131438700	19.78	<.0001
Error	26	172789541	6645752		
Corrected Total	43	2407247441			

Root MSE	2577.93553	R-Square	0.9282
Dependent Mean	14679	Adj R-Sq	0.8813
Coeff Var	17.56149		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	3651.01308	1489.86634	2.45	0.0213
H12	1	0.67357	0.06930	9.72	<.0001
mon	1	478.28764	1194.86310	0.40	0.6922
tue	1	575.28729	1320.80049	0.44	0.6668
wed	1	2297.06850	1296.59382	1.77	0.0882
jul	1	-1466.49222	1064.79748	-1.38	0.1802
e0703_h13	1	-638.96999	2804.65428	-0.23	0.8216
e0705_h13	1	-347.35031	2757.55231	-0.13	0.9007
e0726_h13	1	4061.35727	2802.56442	1.45	0.1592
e0727_h13	1	7858.78059	2827.15978	2.78	0.0100
e0815_h13	1	4348.63482	2964.95396	1.47	0.1545
e0816_h13	1	5763.13225	2831.68692	2.04	0.0521
e0820_h13	1	3064.65701	2825.75485	1.08	0.2881
e0821_h13	1	3215.41019	2893.00187	1.11	0.2765
e0828_h13	1	2837.70844	2865.41415	0.99	0.3311
e0829_h13	1	859.48124	2824.88355	0.30	0.7634
e0830_h13	1	3368.62361	2723.65389	1.24	0.2272
e0831_h13	1	2562.56393	2718.61464	0.94	0.3546

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H14

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	91336417	5372730	27.12	<.0001
Error	26	5151506	198135		
Corrected Total	43	96487923			

Root MSE	445.12341	R-Square	0.9466
Dependent Mean	13358	Adj R-Sq	0.9117
Coeff Var	3.33235		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-2842.55197	2115.70294	-1.34	0.1907
H12	1	1.19152	0.15008	7.94	<.0001
mon	1	64.41428	208.17257	0.31	0.7595
tue	1	-372.40668	244.94728	-1.52	0.1405
wed	1	-532.98808	230.97296	-2.31	0.0292
jul	1	332.66660	207.74315	1.60	0.1214
e0703_h14	1	-3912.89474	484.17706	-8.08	<.0001
e0705_h14	1	-3731.91178	489.41904	-7.63	<.0001
e0726_h14	1	-1298.85028	492.12592	-2.64	0.0139
e0727_h14	1	-1999.96694	511.04035	-3.91	0.0006
e0815_h14	1	-1143.49005	517.58158	-2.21	0.0362
e0816_h14	1	-450.77632	511.83077	-0.88	0.3865
e0820_h14	1	-41.51052	488.28866	-0.09	0.9329
e0821_h14	1	-3133.07768	493.05086	-6.35	<.0001
e0828_h14	1	737.00402	494.25814	1.49	0.1480
e0829_h14	1	-3152.42005	487.54703	-6.47	<.0001
e0830_h14	1	227.69482	496.17696	0.46	0.6501
e0831_h14	1	-207.71174	617.85276	-0.34	0.7394

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H14

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	25702696	1511923	1338.36	<.0001
Error	26	29372	1129.68596		
Corrected Total	43	25732068			

Root MSE	33.61080	R-Square	0.9989
Dependent Mean	6513.44791	Adj R-Sq	0.9981
Coeff Var	0.51602		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	57.66943	82.75888	0.70	0.4921
H12	1	1.00712	0.01250	80.57	<.0001
mon	1	9.27982	15.87377	0.58	0.5639
tue	1	-23.13600	17.08696	-1.35	0.1874
wed	1	-10.53870	16.84666	-0.63	0.5371
jul	1	4.58541	12.19541	0.38	0.7100
e0703_h14	1	-15.33726	36.63080	-0.42	0.6789
e0705_h14	1	-2288.39490	35.69727	-64.11	<.0001
e0726_h14	1	-46.12169	35.69859	-1.29	0.2077
e0727_h14	1	-2480.62308	35.70352	-69.48	<.0001
e0815_h14	1	-77.10905	37.22338	-2.07	0.0484
e0816_h14	1	-63.77521	35.51122	-1.80	0.0841
e0820_h14	1	-86.14095	36.45309	-2.36	0.0259
e0821_h14	1	-2096.05604	37.38039	-56.07	<.0001
e0828_h14	1	5.64334	37.33511	0.15	0.8810
e0829_h14	1	-26.03585	36.94257	-0.70	0.4872
e0830_h14	1	-22.26776	35.56781	-0.63	0.5367
e0831_h14	1	-2232.12644	35.73009	-62.47	<.0001

---------- type2=DO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H14

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	90578859	5328168	1710.81	<.0001
Error	26	80975	3114.40521		
Corrected Total	43	90659834			

Root MSE	55.80686	R-Square	0.9991
Dependent Mean	2176.50068	Adj R-Sq	0.9985
Coeff Var	2.56406		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	81.55538	61.07793	1.34	0.1934
H12	1	1.00502	0.02010	50.01	<.0001
mon	1	1.89409	26.15812	0.07	0.9428
tue	1	15.73484	28.66484	0.55	0.5877
wed	1	51.16599	28.01712	1.83	0.0793
jul	1	-72.96153	51.61560	-1.41	0.1694
e0703_h14	1	-40.77908	72.80464	-0.56	0.5802
e0705_h14	1	3.68557	59.69294	0.06	0.9512
e0726_h14	1	198.42115	63.81032	3.11	0.0045
e0727_h14	1	69.08917	65.72576	1.05	0.3029
e0815_h14	1	-152.68541	62.75927	-2.43	0.0222
e0816_h14	1	-64.58772	59.83392	-1.08	0.2903
e0820_h14	1	-1.99579	61.11047	-0.03	0.9742
e0821_h14	1	16.38056	62.62660	0.26	0.7957
e0828_h14	1	66.55598	64.05341	1.04	0.3083
e0829_h14	1	-89.50944	67.02407	-1.34	0.1933
e0830_h14	1	107.21604	62.59435	1.71	0.0986
e0831_h14	1	-30.10736	68.84592	-0.44	0.6655

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H14

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	1503821839	88460108	6.15	<.0001
Error	26	374166037	14391001		
Corrected Total	43	1877987876			

Root MSE	3793.54734	R-Square	0.8008
Dependent Mean	14216	Adj R-Sq	0.6705
Coeff Var	26.68497		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	6475.34637	2192.40491	2.95	0.0066
H12	1	0.48466	0.10198	4.75	<.0001
mon	1	854.02583	1758.29446	0.49	0.6312
tue	1	1667.94892	1943.61695	0.86	0.3986
wed	1	3152.25852	1907.99576	1.65	0.1105
jul	1	-2433.92007	1566.89707	-1.55	0.1324
e0703_h14	1	-2644.11701	4127.17412	-0.64	0.5274
e0705_h14	1	-1225.07854	4057.86147	-0.30	0.7651
e0726_h14	1	4912.65849	4124.09879	1.19	0.2443
e0727_h14	1	7697.67859	4160.29196	1.85	0.0757
e0815_h14	1	4164.15010	4363.06225	0.95	0.3487
e0816_h14	1	8394.47939	4166.95386	2.01	0.0544
e0820_h14	1	63.12982	4158.22455	0.02	0.9880
e0821_h14	1	1101.58506	4257.18155	0.26	0.7979
e0828_h14	1	-1203.27733	4216.58499	-0.29	0.7776
e0829_h14	1	-3428.63368	4156.94239	-0.82	0.4170
e0830_h14	1	1981.57941	4007.97842	0.49	0.6252
e0831_h14	1	-709.13051	4000.56295	-0.18	0.8607

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H15

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	118594662	6976157	64.93	<.0001
Error	26	2793276	107434		
Corrected Total	43	121387937			

Root MSE	327.77077	R-Square	0.9770
Dependent Mean	12758	Adj R-Sq	0.9619
Coeff Var	2.56913		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	2219.25471	1557.91759	1.42	0.1662
H12	1	0.80660	0.11051	7.30	<.0001
mon	1	52.58298	153.28981	0.34	0.7343
tue	1	26.11019	180.36921	0.14	0.8860
wed	1	111.96055	170.07910	0.66	0.5161
jul	1	-142.82222	152.97360	-0.93	0.3591
e0703_h15	1	-4552.68492	356.52829	-12.77	<.0001
e0705_h15	1	-3666.75163	360.38827	-10.17	<.0001
e0726_h15	1	392.39526	362.38151	1.08	0.2888
e0727_h15	1	-4605.32384	376.30933	-12.24	<.0001
e0815_h15	1	-4628.30783	381.12602	-12.14	<.0001
e0816_h15	1	-4151.34095	376.89136	-11.01	<.0001
e0820_h15	1	-67.37217	359.55590	-0.19	0.8528
e0821_h15	1	-3964.43740	363.06259	-10.92	<.0001
e0828_h15	1	494.95024	363.95159	1.36	0.1855
e0829_h15	1	-3956.40117	359.00980	-11.02	<.0001
e0830_h15	1	637.79500	365.36453	1.75	0.0927
e0831_h15	1	-1656.59717	454.96164	-3.64	0.0012

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H15

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	37094652	2182038	1236.64	<.0001
Error	26	45877	1764.48534		
Corrected Total	43	37140529			

Root MSE	42.00578	R-Square	0.9988
Dependent Mean	6315.19986	Adj R-Sq	0.9980
Coeff Var	0.66515		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	371.26113	103.42959	3.59	0.0014
H12	1	0.96118	0.01562	61.53	<.0001
mon	1	26.25514	19.83857	1.32	0.1972
tue	1	-32.42051	21.35477	-1.52	0.1410
wed	1	-25.75162	21.05445	-1.22	0.2323
jul	1	-7.06718	15.24146	-0.46	0.6467
e0703_h15	1	-2234.26332	45.78008	-48.80	<.0001
e0705_h15	1	-2230.40881	44.61339	-49.99	<.0001
e0726_h15	1	-24.44334	44.61503	-0.55	0.5885
e0727_h15	1	-2479.96149	44.62119	-55.58	<.0001
e0815_h15	1	-2247.45439	46.52067	-48.31	<.0001
e0816_h15	1	-2232.39501	44.38087	-50.30	<.0001
e0820_h15	1	-96.61760	45.55799	-2.12	0.0436
e0821_h15	1	-2193.01311	46.71690	-46.94	<.0001
e0828_h15	1	18.82079	46.66031	0.40	0.6900
e0829_h15	1	-2208.30832	46.16972	-47.83	<.0001
e0830_h15	1	-17.17096	44.45159	-0.39	0.7024
e0831_h15	1	-2314.32572	44.65440	-51.83	<.0001

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H15

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	81831536	4813620	700.90	<.0001
Error	26	178561	6867.74621		
Corrected Total	43	82010098			

Root MSE	82.87187	R-Square	0.9978
Dependent Mean	2124.59193	Adj R-Sq	0.9964
Coeff Var	3.90060		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	156.18734	90.69929	1.72	0.0969
H12	1	0.98123	0.02984	32.88	<.0001
mon	1	20.58417	38.84420	0.53	0.6007
tue	1	25.53939	42.56661	0.60	0.5537
wed	1	91.46813	41.60476	2.20	0.0370
jul	1	-149.46670	76.64796	-1.95	0.0620
e0703_h15	1	21.78261	108.11317	0.20	0.8419
e0705_h15	1	25.24463	88.64261	0.28	0.7781
e0726_h15	1	283.83232	94.75682	3.00	0.0060
e0727_h15	1	135.92380	97.60121	1.39	0.1755
e0815_h15	1	-517.99629	93.19604	-5.56	<.0001
e0816_h15	1	3.24459	88.85197	0.04	0.9711
e0820_h15	1	-290.42605	90.74761	-3.20	0.0036
e0821_h15	1	-523.90021	92.99903	-5.63	<.0001
e0828_h15	1	-360.81614	95.11780	-3.79	0.0008
e0829_h15	1	-482.07494	99.52916	-4.84	<.0001
e0830_h15	1	-99.17242	92.95113	-1.07	0.2958
e0831_h15	1	-451.08848	102.23456	-4.41	0.0002

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H15

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	1111286366	65369786	4.90	0.0002
Error	26	346872597	13341254		
Corrected Total	43	1458158963			

Root MSE	3652.56810	R-Square	0.7621
Dependent Mean	12967	Adj R-Sq	0.6066
Coeff Var	28.16917		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	7094.12942	2110.92877	3.36	0.0024
H12	1	0.41972	0.09819	4.27	0.0002
mon	1	300.56777	1692.95113	0.18	0.8605
tue	1	1564.83407	1871.38650	0.84	0.4107
wed	1	1663.22900	1837.08909	0.91	0.3736
jul	1	-2232.05317	1508.66662	-1.48	0.1510
e0703_h15	1	-5148.84957	3973.79634	-1.30	0.2065
e0705_h15	1	-1638.28834	3907.05955	-0.42	0.6784
e0726_h15	1	-2149.94917	3970.83530	-0.54	0.5928
e0727_h15	1	5984.61246	4005.68343	1.49	0.1472
e0815_h15	1	1979.22248	4200.91818	0.47	0.6415
e0816_h15	1	9799.25709	4012.09775	2.44	0.0217
e0820_h15	1	-2376.61668	4003.69285	-0.59	0.5579
e0821_h15	1	-3767.41273	4098.97231	-0.92	0.3665
e0828_h15	1	-2807.72176	4059.88444	-0.69	0.4953
e0829_h15	1	-2930.44040	4002.45833	-0.73	0.4706
e0830_h15	1	-978.89503	3859.03030	-0.25	0.8018
e0831_h15	1	-1982.51184	3851.89040	-0.51	0.6111

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H16

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	111707585	6571034	61.56	<.0001
Error	26	2775188	106738		
Corrected Total	43	114482773			

Root MSE	326.70784	R-Square	0.9758
Dependent Mean	12679	Adj R-Sq	0.9599
Coeff Var	2.57681		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	4143.96420	1552.86540	2.67	0.0129
H12	1	0.66641	0.11015	6.05	<.0001
mon	1	91.12451	152.79271	0.60	0.5561
tue	1	116.48813	179.78429	0.65	0.5227
wed	1	-206.61780	169.52754	-1.22	0.2339
jul	1	-178.62089	152.47752	-1.17	0.2520
e0703_h16	1	-4446.19949	355.37210	-12.51	<.0001
e0705_h16	1	-3785.66950	359.21957	-10.54	<.0001
e0726_h16	1	548.02427	361.20634	1.52	0.1413
e0727_h16	1	-4568.45360	375.08899	-12.18	<.0001
e0815_h16	1	-4077.26691	379.89007	-10.73	<.0001
e0816_h16	1	-4158.51667	375.66913	-11.07	<.0001
e0820_h16	1	-88.97214	358.38990	-0.25	0.8059
e0821_h16	1	-3963.58841	361.88522	-10.95	<.0001
e0828_h16	1	325.30882	362.77133	0.90	0.3781
e0829_h16	1	-3785.27446	357.84556	-10.58	<.0001
e0830_h16	1	248.94679	364.17969	0.68	0.5003
e0831_h16	1	-2005.10273	453.48624	-4.42	0.0002

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H16

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	38599701	2270571	1131.02	<.0001
Error	26	52196	2007.54351		
Corrected Total	43	38651897			

Root MSE	44.80562	R-Square	0.9986
Dependent Mean	6291.99477	Adj R-Sq	0.9978
Coeff Var	0.71211		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	393.91985	110.32355	3.57	0.0014
H12	1	0.95669	0.01666	57.41	<.0001
mon	1	10.90309	21.16088	0.52	0.6107
tue	1	-14.36858	22.77814	-0.63	0.5337
wed	1	-17.78081	22.45780	-0.79	0.4357
jul	1	-15.56967	16.25736	-0.96	0.3470
e0703_h16	1	-2383.32547	48.83149	-48.81	<.0001
e0705_h16	1	-2187.88928	47.58703	-45.98	<.0001
e0726_h16	1	-25.86958	47.58879	-0.54	0.5913
e0727_h16	1	-2481.50421	47.59536	-52.14	<.0001
e0815_h16	1	-2436.59794	49.62144	-49.10	<.0001
e0816_h16	1	-2349.85390	47.33902	-49.64	<.0001
e0820_h16	1	-49.34796	48.59460	-1.02	0.3192
e0821_h16	1	-2219.37611	49.83076	-44.54	<.0001
e0828_h16	1	-9.76945	49.77039	-0.20	0.8459
e0829_h16	1	-2291.37760	49.24711	-46.53	<.0001
e0830_h16	1	-95.01497	47.41445	-2.00	0.0556
e0831_h16	1	-2349.64978	47.63078	-49.33	<.0001

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H16

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	79421472	4671851	308.23	<.0001
Error	26	394083	15157		
Corrected Total	43	79815555			

Root MSE	123.11397	R-Square	0.9951
Dependent Mean	2112.11795	Adj R-Sq	0.9918
Coeff Var	5.82893		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-5.30421	134.74234	-0.04	0.9689
H12	1	1.01812	0.04434	22.96	<.0001
mon	1	47.65663	57.70671	0.83	0.4164
tue	1	51.84920	63.23671	0.82	0.4197
wed	1	136.66202	61.80778	2.21	0.0360
jul	1	-9.50313	113.86776	-0.08	0.9341
e0703_h16	1	-81.85154	160.61230	-0.51	0.6146
e0705_h16	1	58.49078	131.68694	0.44	0.6606
e0726_h16	1	88.61333	140.77018	0.63	0.5345
e0727_h16	1	64.49390	144.99580	0.44	0.6601
e0815_h16	1	-489.26745	138.45150	-3.53	0.0016
e0816_h16	1	-0.06200	131.99797	-0.00	0.9996
e0820_h16	1	-301.85975	134.81413	-2.24	0.0339
e0821_h16	1	-499.02807	138.15882	-3.61	0.0013
e0828_h16	1	-207.97608	141.30646	-1.47	0.1531
e0829_h16	1	-918.09106	147.85994	-6.21	<.0001
e0830_h16	1	-158.05209	138.08766	-1.14	0.2628
e0831_h16	1	-451.22212	151.87908	-2.97	0.0063

---------- type2=LargeD04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H16

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	780401192	45905952	1.98	0.0571
Error	26	603956211	23229085		
Corrected Total	43	1384357402			

Root MSE	4819.65611	R-Square	0.5637
Dependent Mean	12077	Adj R-Sq	0.2785
Coeff Var	39.90645		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	7083.93751	2785.42398	2.54	0.0173
H12	1	0.35891	0.12957	2.77	0.0102
mon	1	429.01517	2233.89189	0.19	0.8492
tue	1	3748.54435	2469.34188	1.52	0.1411
wed	1	-711.81837	2424.08558	-0.29	0.7714
jul	1	-1971.88230	1990.72382	-0.99	0.3310
e0703_h16	1	-7588.89449	5243.52491	-1.45	0.1598
e0705_h16	1	-1755.99694	5155.46402	-0.34	0.7361
e0726_h16	1	-2252.12710	5239.61774	-0.43	0.6709
e0727_h16	1	7655.66489	5285.60073	1.45	0.1595
e0815_h16	1	5669.45622	5543.21794	1.02	0.3158
e0816_h16	1	2114.36839	5294.06459	0.40	0.6929
e0820_h16	1	-1980.40509	5282.97411	-0.37	0.7108
e0821_h16	1	-5408.72944	5408.69778	-1.00	0.3265
e0828_h16	1	-5812.77633	5357.12034	-1.09	0.2879
e0829_h16	1	-1443.84420	5281.34513	-0.27	0.7867
e0830_h16	1	969.07617	5092.08821	0.19	0.8505
e0831_h16	1	-1388.90290	5082.66694	-0.27	0.7868

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H17

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	106738641	6278744	48.82	<.0001
Error	26	3344203	128623		
Corrected Total	43	110082845			

Root MSE	358.64076	R-Square	0.9696
Dependent Mean	12324	Adj R-Sq	0.9498
Coeff Var	2.91011		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	2294.69162	1704.64482	1.35	0.1899
H12	1	0.76252	0.12092	6.31	<.0001
mon	1	255.46000	167.72690	1.52	0.1398
tue	1	55.55899	197.35668	0.28	0.7805
wed	1	141.23880	186.09742	0.76	0.4547
jul	1	-65.10670	167.38091	-0.39	0.7005
e0703_h17	1	-4202.74276	390.10671	-10.77	<.0001
e0705_h17	1	-3302.87718	394.33023	-8.38	<.0001
e0726_h17	1	436.57363	396.51119	1.10	0.2810
e0727_h17	1	-4528.66729	411.75075	-11.00	<.0001
e0815_h17	1	-4373.87383	417.02110	-10.49	<.0001
e0816_h17	1	-4091.22956	412.38760	-9.92	<.0001
e0820_h17	1	-163.38078	393.41947	-0.42	0.6813
e0821_h17	1	-3865.86446	397.25642	-9.73	<.0001
e0828_h17	1	465.03807	398.22915	1.17	0.2535
e0829_h17	1	-3913.21431	392.82193	-9.96	<.0001
e0830_h17	1	62.14179	399.77516	0.16	0.8777
e0831_h17	1	-1582.25771	497.81067	-3.18	0.0038

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H17

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	38650760	2273574	786.61	<.0001
Error	26	75149	2890.35318		
Corrected Total	43	38725909			

Root MSE	53.76200	R-Square	0.9981
Dependent Mean	6274.62736	Adj R-Sq	0.9968
Coeff Var	0.85682		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	513.65491	132.37660	3.88	0.0006
H12	1	0.93653	0.01999	46.84	<.0001
mon	1	9.09467	25.39082	0.36	0.7231
tue	1	-0.69947	27.33136	-0.03	0.9798
wed	1	-13.58831	26.94699	-0.50	0.6183
jul	1	-20.72691	19.50711	-1.06	0.2978
e0703_h17	1	-2429.90064	58.59263	-41.47	<.0001
e0705_h17	1	-2212.42782	57.09941	-38.75	<.0001
e0726_h17	1	-24.32077	57.10151	-0.43	0.6737
e0727_h17	1	-2501.07791	57.10940	-43.79	<.0001
e0815_h17	1	-2458.06561	59.54048	-41.28	<.0001
e0816_h17	1	-2346.50005	56.80181	-41.31	<.0001
e0820_h17	1	-68.91808	58.30838	-1.18	0.2479
e0821_h17	1	-2211.12693	59.79164	-36.98	<.0001
e0828_h17	1	-30.47333	59.71921	-0.51	0.6142
e0829_h17	1	-2287.36146	59.09132	-38.71	<.0001
e0830_h17	1	-130.57376	56.89233	-2.30	0.0300
e0831_h17	1	-2363.53309	57.15190	-41.36	<.0001

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H17

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	80585150	4740303	730.13	<.0001
Error	26	168803	6492.41191		
Corrected Total	43	80753953			

Root MSE	80.57550	R-Square	0.9979
Dependent Mean	2144.54784	Adj R-Sq	0.9965
Coeff Var	3.75723		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	93.12690	88.18603	1.06	0.3007
H12	1	1.00605	0.02902	34.67	<.0001
mon	1	40.58398	37.76783	1.07	0.2924
tue	1	42.50605	41.38710	1.03	0.3139
wed	1	110.67837	40.45190	2.74	0.0111
jul	1	-74.24101	74.52406	-1.00	0.3283
e0703_h17	1	-186.26200	105.11738	-1.77	0.0881
e0705_h17	1	40.14299	86.18634	0.47	0.6453
e0726_h17	1	260.56522	92.13113	2.83	0.0089
e0727_h17	1	46.10919	94.89670	0.49	0.6311
e0815_h17	1	-476.26799	90.61360	-5.26	<.0001
e0816_h17	1	-57.76969	86.38990	-0.67	0.5096
e0820_h17	1	-358.62966	88.23302	-4.06	0.0004
e0821_h17	1	-471.93146	90.42205	-5.22	<.0001
e0828_h17	1	-186.78980	92.48211	-2.02	0.0538
e0829_h17	1	-932.44056	96.77123	-9.64	<.0001
e0830_h17	1	-347.28419	90.37547	-3.84	0.0007
e0831_h17	1	-296.47616	99.40167	-2.98	0.0061

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H17

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	726940861	42761227	2.23	0.0318
Error	26	498649646	19178833		
Corrected Total	43	1225590507			

Root MSE	4379.36440	R-Square	0.5931
Dependent Mean	10583	Adj R-Sq	0.3271
Coeff Var	41.38281		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	7309.37416	2530.96618	2.89	0.0077
H12	1	0.24353	0.11773	2.07	0.0487
mon	1	1314.54412	2029.81839	0.65	0.5229
tue	1	3774.32359	2243.75924	1.68	0.1045
wed	1	492.90930	2202.63726	0.22	0.8247
jul	1	-3584.75735	1808.86454	-1.98	0.0582
e0703_h17	1	-5984.15134	4764.51137	-1.26	0.2203
e0705_h17	1	-202.20284	4684.49513	-0.04	0.9659
e0726_h17	1	89.09830	4760.96113	0.02	0.9852
e0727_h17	1	9984.76704	4802.74342	2.08	0.0476
e0815_h17	1	6520.04803	5036.82643	1.29	0.2069
e0816_h17	1	1371.04923	4810.43407	0.29	0.7779
e0820_h17	1	-1615.83300	4800.35675	-0.34	0.7391
e0821_h17	1	-4293.44405	4914.59514	-0.87	0.3903
e0828_h17	1	-4780.66739	4867.72947	-0.98	0.3351
e0829_h17	1	-1525.26914	4798.87659	-0.32	0.7531
e0830_h17	1	4085.75985	4626.90892	0.88	0.3853
e0831_h17	1	2762.43905	4618.34831	0.60	0.5549

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H18

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	97916941	5759820	38.05	<.0001
Error	26	3935918	151381		
Corrected Total	43	101852858			

Root MSE	389.07769	R-Square	0.9614
Dependent Mean	11832	Adj R-Sq	0.9361
Coeff Var	3.28848		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1858.47537	1849.31365	1.00	0.3242
H12	1	0.75221	0.13118	5.73	<.0001
mon	1	378.45528	181.96145	2.08	0.0475
tue	1	267.50342	214.10584	1.25	0.2227
wed	1	403.80179	201.89103	2.00	0.0560
jul	1	-78.68380	181.58610	-0.43	0.6684
e0703_h18	1	-3871.89163	423.21406	-9.15	<.0001
e0705_h18	1	-3234.14938	427.79603	-7.56	<.0001
e0726_h18	1	505.49845	430.16208	1.18	0.2506
e0727_h18	1	-4411.30225	446.69499	-9.88	<.0001
e0815_h18	1	-4107.28740	452.41261	-9.08	<.0001
e0816_h18	1	-3789.67298	447.38588	-8.47	<.0001
e0820_h18	1	-293.57376	426.80797	-0.69	0.4976
e0821_h18	1	-3383.93989	430.97056	-7.85	<.0001
e0828_h18	1	348.83441	432.02584	0.81	0.4267
e0829_h18	1	-3917.03590	426.15972	-9.19	<.0001
e0830_h18	1	-2239.54606	433.70305	-5.16	<.0001
e0831_h18	1	-1643.53936	540.05859	-3.04	0.0053

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H18

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	31488836	1852284	577.99	<.0001
Error	26	83323	3204.71336		
Corrected Total	43	31572159			

Root MSE	56.61019	R-Square	0.9974
Dependent Mean	6328.30614	Adj R-Sq	0.9956
Coeff Var	0.89456		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	570.53632	139.38959	4.09	0.0004
H12	1	0.92082	0.02105	43.74	<.0001
mon	1	22.25294	26.73597	0.83	0.4128
tue	1	-11.45789	28.77931	-0.40	0.6938
wed	1	-12.12721	28.37458	-0.43	0.6726
jul	1	-5.60417	20.54055	-0.27	0.7871
e0703_h18	1	-396.33994	61.69672	-6.42	<.0001
e0705_h18	1	-2202.83391	60.12440	-36.64	<.0001
e0726_h18	1	-3.45868	60.12662	-0.06	0.9546
e0727_h18	1	-2503.53730	60.13492	-41.63	<.0001
e0815_h18	1	-504.21354	62.69480	-8.04	<.0001
e0816_h18	1	-2359.46635	59.81104	-39.45	<.0001
e0820_h18	1	-39.86427	61.39742	-0.65	0.5219
e0821_h18	1	-2180.23862	62.95926	-34.63	<.0001
e0828_h18	1	-7.96568	62.88299	-0.13	0.9002
e0829_h18	1	-2275.60597	62.22184	-36.57	<.0001
e0830_h18	1	-127.91864	59.90635	-2.14	0.0423
e0831_h18	1	-2376.08430	60.17967	-39.48	<.0001

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H18

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	83254139	4897302	694.91	<.0001
Error	26	183232	7047.39026		
Corrected Total	43	83437371			

Root MSE	83.94874	R-Square	0.9978
Dependent Mean	2162.86489	Adj R-Sq	0.9964
Coeff Var	3.88137		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	50.93059	91.87788	0.55	0.5841
H12	1	1.01025	0.03023	33.42	<.0001
mon	1	57.20970	39.34895	1.45	0.1579
tue	1	75.65260	43.11974	1.75	0.0911
wed	1	129.20079	42.14538	3.07	0.0050
jul	1	-41.81133	77.64395	-0.54	0.5948
e0703_h18	1	-237.39729	109.51803	-2.17	0.0395
e0705_h18	1	47.42223	89.79446	0.53	0.6019
e0726_h18	1	276.84500	95.98813	2.88	0.0078
e0727_h18	1	-12.06680	98.86948	-0.12	0.9038
e0815_h18	1	-505.03375	94.40707	-5.35	<.0001
e0816_h18	1	-0.21206	90.00654	-0.00	0.9981
e0820_h18	1	-324.50492	91.92682	-3.53	0.0016
e0821_h18	1	-459.38261	94.20750	-4.88	<.0001
e0828_h18	1	22.50183	96.35380	0.23	0.8172
e0829_h18	1	-682.14981	100.82248	-6.77	<.0001
e0830_h18	1	165.13388	94.15897	1.75	0.0913
e0831_h18	1	-261.45073	103.56304	-2.52	0.0180

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H18

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	633264223	37250837	2.46	0.0189
Error	26	394052413	15155862		
Corrected Total	43	1027316636			

Root MSE	3893.05305	R-Square	0.6164
Dependent Mean	9079.63636	Adj R-Sq	0.3656
Coeff Var	42.87675		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	6598.50348	2249.91225	2.93	0.0069
H12	1	0.19232	0.10466	1.84	0.0776
mon	1	1642.23727	1804.41497	0.91	0.3711
tue	1	2849.47386	1994.59852	1.43	0.1650
wed	1	550.64766	1958.04297	0.28	0.7808
jul	1	-3766.52808	1607.99718	-2.34	0.0271
e0703_h18	1	-4504.74507	4235.43095	-1.06	0.2973
e0705_h18	1	201.62159	4164.30021	0.05	0.9618
e0726_h18	1	316.89504	4232.27495	0.07	0.9409
e0727_h18	1	7708.06138	4269.41748	1.81	0.0826
e0815_h18	1	7073.75984	4477.50648	1.58	0.1262
e0816_h18	1	2040.88073	4276.25412	0.48	0.6372
e0820_h18	1	-1670.54687	4267.29584	-0.39	0.6986
e0821_h18	1	-3347.04594	4368.84850	-0.77	0.4505
e0828_h18	1	1026.66019	4327.18708	0.24	0.8143
e0829_h18	1	-1718.58017	4265.98004	-0.40	0.6903
e0830_h18	1	3503.74771	4113.10871	0.85	0.4021
e0831_h18	1	3963.33922	4105.49873	0.97	0.3433

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H19

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	24591097	1446535	9.72	<.0001
Error	26	3868390	148784		
Corrected Total	43	28459486			

Root MSE	385.72557	R-Square	0.8641
Dependent Mean	11463	Adj R-Sq	0.7752
Coeff Var	3.36503		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1956.51720	1833.38079	1.07	0.2957
H12	1	0.67699	0.13005	5.21	<.0001
mon	1	530.96463	180.39375	2.94	0.0067
tue	1	390.88474	212.26119	1.84	0.0770
wed	1	406.23968	200.15163	2.03	0.0527
jul	1	-23.90142	180.02163	-0.13	0.8954
e0703_h19	1	-661.83280	419.56784	-1.58	0.1268
e0705_h19	1	-152.36950	424.11033	-0.36	0.7223
e0726_h19	1	664.34561	426.45600	1.56	0.1314
e0727_h19	1	-2425.27626	442.84646	-5.48	<.0001
e0815_h19	1	-1329.48871	448.51482	-2.96	0.0064
e0816_h19	1	-719.12881	443.53141	-1.62	0.1170
e0820_h19	1	-328.23854	423.13078	-0.78	0.4449
e0821_h19	1	-877.26445	427.25751	-2.05	0.0502
e0828_h19	1	428.29718	428.30369	1.00	0.3265
e0829_h19	1	-453.46118	422.48812	-1.07	0.2930
e0830_h19	1	-2479.65903	429.96646	-5.77	<.0001
e0831_h19	1	249.32741	535.40568	0.47	0.6453

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H19

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	11163157	656656	204.08	<.0001
Error	26	83659	3217.63584		
Corrected Total	43	11246816			

Root MSE	56.72421	R-Square	0.9926
Dependent Mean	6533.94241	Adj R-Sq	0.9877
Coeff Var	0.86815		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	524.90105	139.67034	3.76	0.0009
H12	1	0.92632	0.02110	43.91	<.0001
mon	1	-2.39415	26.78982	-0.09	0.9295
tue	1	-21.65183	28.83728	-0.75	0.4595
wed	1	-10.25442	28.43173	-0.36	0.7213
jul	1	-37.66564	20.58192	-1.83	0.0787
e0703_h19	1	-43.16926	61.82099	-0.70	0.4912
e0705_h19	1	-264.93518	60.24550	-4.40	0.0002
e0726_h19	1	-33.56027	60.24772	-0.56	0.5823
e0727_h19	1	-459.29046	60.25604	-7.62	<.0001
e0815_h19	1	-176.13423	62.82107	-2.80	0.0094
e0816_h19	1	-461.21961	59.93150	-7.70	<.0001
e0820_h19	1	20.40461	61.52108	0.33	0.7428
e0821_h19	1	-341.03343	63.08606	-5.41	<.0001
e0828_h19	1	23.43272	63.00964	0.37	0.7130
e0829_h19	1	-340.03019	62.34716	-5.45	<.0001
e0830_h19	1	-83.56917	60.02701	-1.39	0.1757
e0831_h19	1	-2392.88515	60.30088	-39.68	<.0001

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H19

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	83432818	4907813	569.65	<.0001
Error	26	224004	8615.54690		
Corrected Total	43	83656822			

Root MSE	92.81997	R-Square	0.9973
Dependent Mean	2147.58886	Adj R-Sq	0.9956
Coeff Var	4.32205		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	33.21767	101.58702	0.33	0.7463
H12	1	0.98630	0.03343	29.51	<.0001
mon	1	82.45639	43.50713	1.90	0.0692
tue	1	89.36790	47.67639	1.87	0.0721
wed	1	142.68477	46.59907	3.06	0.0051
jul	1	-28.58882	85.84893	-0.33	0.7418
e0703_h19	1	-310.35672	121.09129	-2.56	0.0165
e0705_h19	1	50.37829	99.28344	0.51	0.6161
e0726_h19	1	267.37915	106.13162	2.52	0.0182
e0727_h19	1	-20.91103	109.31746	-0.19	0.8498
e0815_h19	1	-227.17082	104.38348	-2.18	0.0388
e0816_h19	1	12.34992	99.51793	0.12	0.9022
e0820_h19	1	15.14101	101.64114	0.15	0.8827
e0821_h19	1	-107.23618	104.16282	-1.03	0.3127
e0828_h19	1	19.46488	106.53594	0.18	0.8564
e0829_h19	1	-118.19541	111.47684	-1.06	0.2988
e0830_h19	1	341.82611	104.10917	3.28	0.0029
e0831_h19	1	-304.12724	114.50700	-2.66	0.0133

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H19

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	893933502	52584324	1.64	0.1256
Error	26	835627555	32139521		
Corrected Total	43	1729561057			

Root MSE	5669.17290	R-Square	0.5169
Dependent Mean	9475.29545	Adj R-Sq	0.2010
Coeff Var	59.83109		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	5105.60305	3276.38523	1.56	0.1313
H12	1	0.25779	0.15241	1.69	0.1027
mon	1	1934.60382	2627.63962	0.74	0.4682
tue	1	6531.56099	2904.59023	2.25	0.0332
wed	1	1368.15664	2851.35702	0.48	0.6354
jul	1	-3960.06047	2341.61054	-1.69	0.1028
e0703_h19	1	-6900.48854	6167.75318	-1.12	0.2735
e0705_h19	1	763.58742	6064.17060	0.13	0.9008
e0726_h19	1	5736.06430	6163.15733	0.93	0.3606
e0727_h19	1	6390.86463	6217.24532	1.03	0.3135
e0815_h19	1	9085.84190	6520.27036	1.39	0.1753
e0816_h19	1	1095.32941	6227.20102	0.18	0.8617
e0820_h19	1	1451.24463	6214.15573	0.23	0.8172
e0821_h19	1	-3840.85236	6362.03956	-0.60	0.5513
e0828_h19	1	-2814.03933	6301.37104	-0.45	0.6589
e0829_h19	1	703.68319	6212.23963	0.11	0.9107
e0830_h19	1	2622.77423	5989.62412	0.44	0.6651
e0831_h19	1	1290.73569	5978.54224	0.22	0.8308

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H20

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	16776176	986834	6.88	<.0001
Error	26	3731302	143512		
Corrected Total	43	20507478			

Root MSE	378.82927	R-Square	0.8181
Dependent Mean	10941	Adj R-Sq	0.6991
Coeff Var	3.46237		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1905.10873	1800.60220	1.06	0.2998
H12	1	0.63644	0.12773	4.98	<.0001
mon	1	542.12340	177.16854	3.06	0.0051
tue	1	498.12353	208.46623	2.39	0.0244
wed	1	319.17835	196.57317	1.62	0.1165
jul	1	-81.81790	176.80307	-0.46	0.6474
e0703_h20	1	-717.70832	412.06649	-1.74	0.0934
e0705_h20	1	-146.54269	416.52776	-0.35	0.7278
e0726_h20	1	554.02145	418.83149	1.32	0.1974
e0727_h20	1	-446.31104	434.92891	-1.03	0.3143
e0815_h20	1	-924.54289	440.49593	-2.10	0.0457
e0816_h20	1	-85.18905	435.60161	-0.20	0.8465
e0820_h20	1	-408.11550	415.56573	-0.98	0.3351
e0821_h20	1	-464.66707	419.61867	-1.11	0.2783
e0828_h20	1	412.58953	420.64615	0.98	0.3357
e0829_h20	1	-168.35681	414.93455	-0.41	0.6883
e0830_h20	1	-2163.45951	422.27919	-5.12	<.0001
e0831_h20	1	1512.66450	525.83329	2.88	0.0079

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H20

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	8436475	496263	34.24	<.0001
Error	26	376792	14492		
Corrected Total	43	8813267			

Root MSE	120.38275	R-Square	0.9572
Dependent Mean	7008.53423	Adj R-Sq	0.9293
Coeff Var	1.71766		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1306.09125	296.41489	4.41	0.0002
H12	1	0.88169	0.04477	19.69	<.0001
mon	1	5.90860	56.85459	0.10	0.9180
tue	1	30.86400	61.19981	0.50	0.6183
wed	1	-19.40765	60.33914	-0.32	0.7503
jul	1	-302.57320	43.67991	-6.93	<.0001
e0703_h20	1	-185.56589	131.19938	-1.41	0.1691
e0705_h20	1	117.06807	127.85579	0.92	0.3683
e0726_h20	1	-30.33213	127.86051	-0.24	0.8143
e0727_h20	1	-47.11706	127.87816	-0.37	0.7155
e0815_h20	1	-160.66789	133.32180	-1.21	0.2390
e0816_h20	1	-68.39565	127.18942	-0.54	0.5953
e0820_h20	1	111.67663	130.56290	0.86	0.4002
e0821_h20	1	90.10146	133.88418	0.67	0.5069
e0828_h20	1	129.76227	133.72199	0.97	0.3408
e0829_h20	1	242.00908	132.31604	1.83	0.0789
e0830_h20	1	143.75748	127.39211	1.13	0.2694
e0831_h20	1	-287.73611	127.97333	-2.25	0.0332

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H20

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	77598605	4564624	612.39	<.0001
Error	26	193797	7453.73643		
Corrected Total	43	77792402			

Root MSE	86.33502	R-Square	0.9975
Dependent Mean	2067.75830	Adj R-Sq	0.9959
Coeff Var	4.17530		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	40.15523	94.48955	0.42	0.6744
H12	1	0.94788	0.03109	30.49	<.0001
mon	1	74.60559	40.46747	1.84	0.0767
tue	1	88.60917	44.34544	2.00	0.0563
wed	1	136.00335	43.34339	3.14	0.0042
jul	1	-36.97589	79.85102	-0.46	0.6472
e0703_h20	1	-267.35115	112.63114	-2.37	0.0253
e0705_h20	1	57.29344	92.34692	0.62	0.5404
e0726_h20	1	232.90308	98.71664	2.36	0.0261
e0727_h20	1	-30.43266	101.67990	-0.30	0.7671
e0815_h20	1	-228.97282	97.09064	-2.36	0.0262
e0816_h20	1	23.85888	92.56503	0.26	0.7986
e0820_h20	1	71.19287	94.53989	0.75	0.4582
e0821_h20	1	-81.09034	96.88540	-0.84	0.4102
e0828_h20	1	12.03243	99.09271	0.12	0.9043
e0829_h20	1	-146.77172	103.68841	-1.42	0.1688
e0830_h20	1	272.84015	96.83549	2.82	0.0091
e0831_h20	1	-249.87398	106.50688	-2.35	0.0269

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H20

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	1022537159	60149245	1.77	0.0917
Error	26	882265271	33933280		
Corrected Total	43	1904802430			

Root MSE	5825.22786	R-Square	0.5368
Dependent Mean	9488.65909	Adj R-Sq	0.2340
Coeff Var	61.39148		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	4444.29797	3366.57409	1.32	0.1983
H12	1	0.26730	0.15660	1.71	0.0998
mon	1	1850.62174	2699.97049	0.69	0.4991
tue	1	7232.95459	2984.54471	2.42	0.0226
wed	1	1349.52192	2929.84615	0.46	0.6489
jul	1	-3480.61151	2406.06790	-1.45	0.1600
e0703_h20	1	-6869.11556	6337.53254	-1.08	0.2884
e0705_h20	1	513.94526	6231.09865	0.08	0.9349
e0726_h20	1	6031.26393	6332.81018	0.95	0.3497
e0727_h20	1	4907.49197	6388.38704	0.77	0.4493
e0815_h20	1	12040	6699.75343	1.80	0.0840
e0816_h20	1	1328.76854	6398.61680	0.21	0.8371
e0820_h20	1	3514.54059	6385.21240	0.55	0.5867
e0821_h20	1	-3861.13928	6537.16702	-0.59	0.5599
e0828_h20	1	-3602.98205	6474.82848	-0.56	0.5827
e0829_h20	1	2298.99877	6383.24356	0.36	0.7216
e0830_h20	1	4633.66799	6154.50012	0.75	0.4583
e0831_h20	1	2490.81389	6143.11320	0.41	0.6885

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H21

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	18722475	1101322	7.55	<.0001
Error	26	3790785	145799		
Corrected Total	43	22513259			

Root MSE	381.83688	R-Square	0.8316
Dependent Mean	11038	Adj R-Sq	0.7215
Coeff Var	3.45935		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1230.49540	1814.89762	0.68	0.5038
H12	1	0.69130	0.12874	5.37	<.0001
mon	1	529.42699	178.57512	2.96	0.0064
tue	1	455.23091	210.12129	2.17	0.0396
wed	1	425.41664	198.13381	2.15	0.0413
jul	1	-43.35158	178.20675	-0.24	0.8097
e0703_h21	1	-1199.82003	415.33798	-2.89	0.0077
e0705_h21	1	78.06738	419.83467	0.19	0.8539
e0726_h21	1	400.94531	422.15669	0.95	0.3510
e0727_h21	1	-842.38527	438.38192	-1.92	0.0657
e0815_h21	1	-1018.66186	443.99313	-2.29	0.0301
e0816_h21	1	-152.67564	439.05996	-0.35	0.7308
e0820_h21	1	-485.33534	418.86500	-1.16	0.2571
e0821_h21	1	-415.55802	422.95012	-0.98	0.3349
e0828_h21	1	293.48954	423.98576	0.69	0.4949
e0829_h21	1	-154.83265	418.22882	-0.37	0.7142
e0830_h21	1	-2347.69393	425.63177	-5.52	<.0001
e0831_h21	1	1916.96965	530.00801	3.62	0.0013

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H21

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	6029190	354658	115.69	<.0001
Error	26	79708	3065.67575		
Corrected Total	43	6108897			

Root MSE	55.36854	R-Square	0.9870
Dependent Mean	7421.98218	Adj R-Sq	0.9784
Coeff Var	0.74601		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1795.94188	136.33233	13.17	<.0001
H12	1	0.85503	0.02059	41.52	<.0001
mon	1	15.26046	26.14956	0.58	0.5645
tue	1	-6.89122	28.14809	-0.24	0.8085
wed	1	14.39418	27.75223	0.52	0.6084
jul	1	-58.31862	20.09003	-2.90	0.0074
e0703_h21	1	-130.33693	60.34352	-2.16	0.0402
e0705_h21	1	24.19374	58.80568	0.41	0.6841
e0726_h21	1	4.62478	58.80785	0.08	0.9379
e0727_h21	1	4.80466	58.81596	0.08	0.9355
e0815_h21	1	-213.70805	61.31970	-3.49	0.0018
e0816_h21	1	-98.37271	58.49919	-1.68	0.1046
e0820_h21	1	0.00515	60.05078	0.00	0.9999
e0821_h21	1	56.77743	61.57836	0.92	0.3650
e0828_h21	1	-41.50555	61.50376	-0.67	0.5057
e0829_h21	1	-48.27033	60.85711	-0.79	0.4349
e0830_h21	1	-90.60705	58.59241	-1.55	0.1341
e0831_h21	1	-145.27963	58.85974	-2.47	0.0205

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H21

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	70960080	4174122	545.48	<.0001
Error	26	198958	7652.21240		
Corrected Total	43	71159037			

Root MSE	87.47692	R-Square	0.9972
Dependent Mean	1964.08375	Adj R-Sq	0.9954
Coeff Var	4.45383		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	8.20898	95.73931	0.09	0.9323
H12	1	0.91518	0.03150	29.05	<.0001
mon	1	51.63692	41.00271	1.26	0.2191
tue	1	89.25516	44.93197	1.99	0.0576
wed	1	128.91097	43.91667	2.94	0.0069
jul	1	-19.57512	80.90716	-0.24	0.8107
e0703_h21	1	-182.70764	114.12085	-1.60	0.1215
e0705_h21	1	56.87317	93.56834	0.61	0.5486
e0726_h21	1	178.14685	100.02230	1.78	0.0866
e0727_h21	1	-55.32400	103.02476	-0.54	0.5958
e0815_h21	1	-246.01877	98.37480	-2.50	0.0190
e0816_h21	1	2.26086	93.78933	0.02	0.9810
e0820_h21	1	-9.00905	95.79032	-0.09	0.9258
e0821_h21	1	-134.98527	98.16684	-1.38	0.1808
e0828_h21	1	-23.11298	100.40335	-0.23	0.8197
e0829_h21	1	-128.11192	105.05984	-1.22	0.2336
e0830_h21	1	237.10012	98.11628	2.42	0.0230
e0831_h21	1	-266.18344	107.91558	-2.47	0.0205

---------- type2=LargeD04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H21

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	1015749617	59749977	1.92	0.0659
Error	26	811186695	31199488		
Corrected Total	43	1826936313			

Root MSE	5585.65021	R-Square	0.5560
Dependent Mean	9528.27273	Adj R-Sq	0.2657
Coeff Var	58.62185		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	4927.28991	3228.11497	1.53	0.1390
H12	1	0.23839	0.15016	1.59	0.1245
mon	1	1377.03739	2588.92718	0.53	0.5993
tue	1	7266.62044	2861.79754	2.54	0.0174
wed	1	951.20100	2809.34860	0.34	0.7376
jul	1	-3285.15444	2307.11210	-1.42	0.1664
e0703_h21	1	-7320.53540	6076.88502	-1.20	0.2392
e0705_h21	1	187.22569	5974.82850	0.03	0.9752
e0726_h21	1	6322.33038	6072.35688	1.04	0.3074
e0727_h21	1	5725.88398	6125.64800	0.93	0.3585
e0815_h21	1	14050	6424.20864	2.19	0.0379
e0816_h21	1	1679.10617	6135.45703	0.27	0.7865
e0820_h21	1	4075.08676	6122.60393	0.67	0.5115
e0821_h21	1	-4239.38010	6268.30902	-0.68	0.5048
e0828_h21	1	-4049.48119	6208.53431	-0.65	0.5200
e0829_h21	1	2479.45516	6120.71606	0.41	0.6887
e0830_h21	1	4205.44825	5901.38029	0.71	0.4824
e0831_h21	1	3213.69897	5890.46169	0.55	0.5900

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H22

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	27042889	1590758	4.73	0.0002
Error	26	8739421	336132		
Corrected Total	43	35782311			

Root MSE	579.76856	R-Square	0.7558
Dependent Mean	11311	Adj R-Sq	0.5961
Coeff Var	5.12557		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-1861.86963	2755.68081	-0.68	0.5052
H12	1	0.92171	0.19548	4.72	<.0001
mon	1	504.05317	271.14258	1.86	0.0744
tue	1	378.27231	319.04125	1.19	0.2465
wed	1	186.72783	300.83985	0.62	0.5402
jul	1	123.82150	270.58326	0.46	0.6510
e0703_h22	1	-1615.93507	630.63552	-2.56	0.0165
e0705_h22	1	809.05929	637.46315	1.27	0.2156
e0726_h22	1	668.89792	640.98883	1.04	0.3063
e0727_h22	1	-735.16550	665.62467	-1.10	0.2795
e0815_h22	1	-489.66944	674.14456	-0.73	0.4741
e0816_h22	1	313.82856	666.65419	0.47	0.6417
e0820_h22	1	-149.28277	635.99083	-0.23	0.8163
e0821_h22	1	205.17010	642.19355	0.32	0.7519
e0828_h22	1	711.84371	643.76603	1.11	0.2790
e0829_h22	1	731.73327	635.02487	1.15	0.2597
e0830_h22	1	-1814.15251	646.26527	-2.81	0.0093
e0831_h22	1	3502.91972	804.74671	4.35	0.0002

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H22

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	6384352	375550	143.01	<.0001
Error	26	68275	2625.95005		
Corrected Total	43	6452626			

Root MSE	51.24402	R-Square	0.9894
Dependent Mean	7248.41345	Adj R-Sq	0.9825
Coeff Var	0.70697		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1455.53424	126.17665	11.54	<.0001
H12	1	0.87562	0.01906	45.94	<.0001
mon	1	15.36685	24.20163	0.63	0.5310
tue	1	4.47726	26.05128	0.17	0.8649
wed	1	14.73132	25.68491	0.57	0.5712
jul	1	-36.79333	18.59348	-1.98	0.0585
e0703_h22	1	-1.81044	55.84840	-0.03	0.9744
e0705_h22	1	136.44264	54.42512	2.51	0.0188
e0726_h22	1	15.74148	54.42712	0.29	0.7747
e0727_h22	1	114.30503	54.43464	2.10	0.0456
e0815_h22	1	-109.07090	56.75186	-1.92	0.0656
e0816_h22	1	12.06236	54.14146	0.22	0.8254
e0820_h22	1	-33.71700	55.57747	-0.61	0.5493
e0821_h22	1	115.46604	56.99126	2.03	0.0531
e0828_h22	1	-85.65525	56.92222	-1.50	0.1444
e0829_h22	1	35.15205	56.32374	0.62	0.5380
e0830_h22	1	-69.25581	54.22774	-1.28	0.2128
e0831_h22	1	-26.88646	54.47515	-0.49	0.6258

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H22

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	41225384	2425023	362.02	<.0001
Error	26	174164	6698.61327		
Corrected Total	43	41399548			

Root MSE	81.84506	R-Square	0.9958
Dependent Mean	1558.86455	Adj R-Sq	0.9930
Coeff Var	5.25030		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-64.49892	89.57550	-0.72	0.4779
H12	1	0.73692	0.02947	25.00	<.0001
mon	1	27.18046	38.36290	0.71	0.4849
tue	1	48.23498	42.03919	1.15	0.2617
wed	1	97.17753	41.08926	2.37	0.0258
jul	1	103.69724	75.69826	1.37	0.1824
e0703_h22	1	175.11465	106.77361	1.64	0.1130
e0705_h22	1	-3.60913	87.54430	-0.04	0.9674
e0726_h22	1	148.72840	93.58275	1.59	0.1241
e0727_h22	1	-18.10716	96.39190	-0.19	0.8525
e0815_h22	1	-232.16341	92.04131	-2.52	0.0181
e0816_h22	1	-24.99549	87.75106	-0.28	0.7780
e0820_h22	1	-23.96374	89.62322	-0.27	0.7913
e0821_h22	1	-107.23010	91.84674	-1.17	0.2536
e0828_h22	1	-53.08681	93.93926	-0.57	0.5768
e0829_h22	1	-220.07164	98.29596	-2.24	0.0339
e0830_h22	1	148.51917	91.79943	1.62	0.1178
e0831_h22	1	-230.22064	100.96784	-2.28	0.0310

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H22

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	953514341	56089079	2.35	0.0244
Error	26	621450317	23901935		
Corrected Total	43	1574964658			

Root MSE	4888.96055	R-Square	0.6054
Dependent Mean	8790.88636	Adj R-Sq	0.3474
Coeff Var	55.61397		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	3585.73543	2825.47709	1.27	0.2157
H12	1	0.25224	0.13143	1.92	0.0660
mon	1	1647.10142	2266.01422	0.73	0.4738
tue	1	7313.67746	2504.84988	2.92	0.0071
wed	1	1101.42119	2458.94282	0.45	0.6579
jul	1	-2703.82184	2019.34951	-1.34	0.1922
e0703_h22	1	-6881.01972	5318.92439	-1.29	0.2071
e0705_h22	1	659.48887	5229.59723	0.13	0.9006
e0726_h22	1	5076.29623	5314.96104	0.96	0.3483
e0727_h22	1	5592.61481	5361.60524	1.04	0.3065
e0815_h22	1	13468	5622.92686	2.40	0.0241
e0816_h22	1	1456.37752	5370.19080	0.27	0.7884
e0820_h22	1	3342.28799	5358.94085	0.62	0.5383
e0821_h22	1	-3651.64494	5486.47236	-0.67	0.5115
e0828_h22	1	-3691.98510	5434.15327	-0.68	0.5029
e0829_h22	1	3256.80771	5357.28845	0.61	0.5485
e0830_h22	1	4409.13071	5165.31010	0.85	0.4011
e0831_h22	1	4332.30794	5155.75335	0.84	0.4084

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H23

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	16702830	982519	3.49	0.0021
Error	26	7314152	281314		
Corrected Total	43	24016983			

Root MSE	530.39000	R-Square	0.6955
Dependent Mean	10993	Adj R-Sq	0.4963
Coeff Var	4.82486		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	531.34190	2520.98102	0.21	0.8347
H12	1	0.73223	0.17883	4.09	0.0004
mon	1	311.19009	248.04952	1.25	0.2208
tue	1	349.45487	291.86869	1.20	0.2420
wed	1	234.13600	275.21749	0.85	0.4027
jul	1	161.07746	247.53784	0.65	0.5209
e0703_h23	1	-1476.07587	576.92465	-2.56	0.0167
e0705_h23	1	712.79149	583.17077	1.22	0.2326
e0726_h23	1	472.83961	586.39617	0.81	0.4274
e0727_h23	1	-443.59422	608.93379	-0.73	0.4728
e0815_h23	1	-269.08614	616.72805	-0.44	0.6662
e0816_h23	1	52.62255	609.87562	0.09	0.9319
e0820_h23	1	-231.47863	581.82385	-0.40	0.6940
e0821_h23	1	-90.99229	587.49828	-0.15	0.8781
e0828_h23	1	401.85544	588.93684	0.68	0.5011
e0829_h23	1	298.10325	580.94016	0.51	0.6122
e0830_h23	1	-2033.94890	591.22322	-3.44	0.0020
e0831_h23	1	2511.96108	736.20689	3.41	0.0021

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H23

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	10917705	642218	95.05	<.0001
Error	26	175675	6756.71325		
Corrected Total	43	11093379			

Root MSE	82.19923	R-Square	0.9842
Dependent Mean	4679.56459	Adj R-Sq	0.9738
Coeff Var	1.75656		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-850.21688	202.39674	-4.20	0.0003
H12	1	0.82131	0.03057	26.87	<.0001
mon	1	-37.00314	38.82121	-0.95	0.3493
tue	1	-47.52735	41.78819	-1.14	0.2658
wed	1	15.02444	41.20051	0.36	0.7183
jul	1	18.89615	29.82533	0.63	0.5319
e0703_h23	1	1383.53927	89.58499	15.44	<.0001
e0705_h23	1	1418.27363	87.30194	16.25	<.0001
e0726_h23	1	208.27756	87.30516	2.39	0.0246
e0727_h23	1	1491.00400	87.31721	17.08	<.0001
e0815_h23	1	-136.76799	91.03421	-1.50	0.1450
e0816_h23	1	-59.17985	86.84693	-0.68	0.5016
e0820_h23	1	-35.63879	89.15039	-0.40	0.6926
e0821_h23	1	1.07632	91.41821	0.01	0.9907
e0828_h23	1	-139.39930	91.30747	-1.53	0.1389
e0829_h23	1	-49.65851	90.34747	-0.55	0.5873
e0830_h23	1	15.16210	86.98533	0.17	0.8630
e0831_h23	1	30.60879	87.38219	0.35	0.7289

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H23

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	24766834	1456873	252.26	<.0001
Error	26	150158	5775.30242		
Corrected Total	43	24916992			

Root MSE	75.99541	R-Square	0.9940
Dependent Mean	1231.88875	Adj R-Sq	0.9900
Coeff Var	6.16902		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-14.92413	83.17334	-0.18	0.8590
H12	1	0.55851	0.02737	20.41	<.0001
mon	1	17.68698	35.62102	0.50	0.6237
tue	1	40.01334	39.03456	1.03	0.3148
wed	1	89.60926	38.15252	2.35	0.0267
jul	1	79.74577	70.28794	1.13	0.2669
e0703_h23	1	293.64543	99.14227	2.96	0.0065
e0705_h23	1	-27.38230	81.28731	-0.34	0.7389
e0726_h23	1	152.07032	86.89419	1.75	0.0919
e0727_h23	1	-11.97407	89.50256	-0.13	0.8946
e0815_h23	1	-198.74402	85.46292	-2.33	0.0281
e0816_h23	1	8.55672	81.47930	0.11	0.9172
e0820_h23	1	31.15980	83.21765	0.37	0.7111
e0821_h23	1	-68.23303	85.28225	-0.80	0.4309
e0828_h23	1	8.99105	87.22522	0.10	0.9187
e0829_h23	1	-85.42261	91.27053	-0.94	0.3579
e0830_h23	1	181.83297	85.23833	2.13	0.0425
e0831_h23	1	-50.80102	93.75145	-0.54	0.5925

---------- type2=LargeDO4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H23

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	1001211687	58894805	3.27	0.0032
Error	26	467668868	17987264		
Corrected Total	43	1468880555			

Root MSE	4241.13949	R-Square	0.6816
Dependent Mean	7695.54545	Adj R-Sq	0.4734
Coeff Var	55.11162		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	3717.29389	2451.08185	1.52	0.1414
H12	1	0.18299	0.11402	1.60	0.1206
mon	1	1704.92277	1965.75168	0.87	0.3937
tue	1	9322.92679	2172.93996	4.29	0.0002
wed	1	1030.80062	2133.11590	0.48	0.6330
jul	1	-3738.40940	1751.77175	-2.13	0.0424
e0703_h23	1	-8257.07003	4614.13015	-1.79	0.0852
e0705_h23	1	1259.24147	4536.63945	0.28	0.7835
e0726_h23	1	5594.36922	4610.69196	1.21	0.2359
e0727_h23	1	6699.84383	4651.15549	1.44	0.1617
e0815_h23	1	13789	4877.85019	2.83	0.0089
e0816_h23	1	1270.86741	4658.60340	0.27	0.7872
e0820_h23	1	2535.07312	4648.84415	0.55	0.5902
e0821_h23	1	-5450.91744	4759.47686	-1.15	0.2625
e0828_h23	1	-5999.02385	4714.09040	-1.27	0.2144
e0829_h23	1	2892.52004	4647.41070	0.62	0.5391
e0830_h23	1	4002.66501	4480.87081	0.89	0.3799
e0831_h23	1	5126.22036	4472.58040	1.15	0.2622

---------- type2=DA4 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H24

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	31928387	1878140	8.68	<.0001
Error	26	5623479	216288		
Corrected Total	43	37551866			

Root MSE	465.06736	R-Square	0.8502
Dependent Mean	13767	Adj R-Sq	0.7523
Coeff Var	3.37818		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	4540.15968	2210.49794	2.05	0.0502
H12	1	0.64087	0.15681	4.09	0.0004
mon	1	547.77186	217.49984	2.52	0.0183
tue	1	413.09060	255.92225	1.61	0.1186
wed	1	543.01735	241.32181	2.25	0.0331
jul	1	222.46366	217.05117	1.02	0.3148
e0703_h24	1	-1547.62376	505.87082	-3.06	0.0051
e0705_h24	1	5.27699	511.34768	0.01	0.9918
e0726_h24	1	456.99722	514.17583	0.89	0.3823
e0727_h24	1	-4103.70569	533.93773	-7.69	<.0001
e0815_h24	1	138.42630	540.77205	0.26	0.8000
e0816_h24	1	578.64262	534.76357	1.08	0.2892
e0820_h24	1	-479.04301	510.16664	-0.94	0.3564
e0821_h24	1	-156.64589	515.14221	-0.30	0.7635
e0828_h24	1	127.57985	516.40360	0.25	0.8068
e0829_h24	1	-55.47265	509.39178	-0.11	0.9141
e0830_h24	1	-1475.31536	518.40839	-2.85	0.0085
e0831_h24	1	1665.07477	645.53592	2.58	0.0159

---------- type2=DA6 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H24

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	11182976	657822	89.15	<.0001
Error	26	191848	7378.75399		
Corrected Total	43	11374823			

Root MSE	85.89967	R-Square	0.9831
Dependent Mean	4176.03677	Adj R-Sq	0.9721
Coeff Var	2.05697		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-1141.81950	211.50823	-5.40	<.0001
H12	1	0.78697	0.03195	24.63	<.0001
mon	1	-2.06748	40.56886	-0.05	0.9597
tue	1	-40.18931	43.66941	-0.92	0.3659
wed	1	22.84706	43.05527	0.53	0.6002
jul	1	23.83079	31.16801	0.76	0.4514
e0703_h24	1	1544.97600	93.61793	16.50	<.0001
e0705_h24	1	1535.10100	91.23210	16.83	<.0001
e0726_h24	1	231.38034	91.23546	2.54	0.0176
e0727_h24	1	1475.24120	91.24806	16.17	<.0001
e0815_h24	1	-172.19922	95.13239	-1.81	0.0819
e0816_h24	1	27.51026	90.75661	0.30	0.7642
e0820_h24	1	-26.48639	93.16377	-0.28	0.7784
e0821_h24	1	-23.97209	95.53368	-0.25	0.8038
e0828_h24	1	-162.86071	95.41795	-1.71	0.0998
e0829_h24	1	-68.14660	94.41473	-0.72	0.4769
e0830_h24	1	-51.08247	90.90124	-0.56	0.5790
e0831_h24	1	-43.16216	91.31597	-0.47	0.6404

---------- type2=D04 ----------

The REG Procedure
Model: MODEL1
Dependent Variable: H24

Number of Observations Read	44
Number of Observations Used	44

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	13181995	775411	127.97	<.0001
Error	26	157544	6059.36880		
Corrected Total	43	13339539			

Root MSE	77.84195	R-Square	0.9882
Dependent Mean	938.00659	Adj R-Sq	0.9805
Coeff Var	8.29866		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	40.93633	85.19429	0.48	0.6349
H12	1	0.40141	0.02803	14.32	<.0001
mon	1	15.63157	36.48654	0.43	0.6719
tue	1	41.04835	39.98302	1.03	0.3140
wed	1	58.85345	39.07955	1.51	0.1441
jul	1	50.58233	71.99580	0.70	0.4886
e0703_h24	1	562.46981	101.55123	5.54	<.0001
e0705_h24	1	-60.86667	83.26243	-0.73	0.4713

2007 Ex-Post Results Event Day AC Summer Saver Residential														
									Load Impact (MW)					
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	10th	30th	50th	70th	90th	Total Tons
0	09/04/2007	8	28.6	24.7	3.9	14%	16,046	79	-0.1	2.3	3.9	5.6	8.0	61,615
0	09/04/2007	9	29.7	25.4	4.3	15%	16,046	79	0.5	2.8	4.3	5.9	8.2	61,615
0	09/04/2007	10	36.6	32.8	3.7	10%	16,046	79	-0.3	2.1	3.7	5.4	7.8	61,615
0	09/04/2007	11	44.1	41.2	2.9	7%	16,046	79	-1.6	1.0	2.9	4.7	7.4	61,615
0	09/04/2007	12	47.7	46.5	1.2	3%	16,046	79	-2.7	-0.4	1.2	2.9	5.2	61,615
0	09/04/2007	13	51.3	50.2	1.2	2%	16,046	79	-0.2	0.6	1.2	1.8	2.6	61,615
0	09/04/2007	14	52.5	56.1	-3.6	-7%	16,046	79	-5.8	-4.5	-3.6	-2.7	-1.4	61,615
2	09/04/2007	15	51.8	45.6	6.2	12%	16,046	79	2.4	4.6	6.2	7.7	10.0	61,615
2	09/04/2007	16	58.4	48.0	10.4	18%	16,046	79	6.2	8.7	10.4	12.1	14.6	61,615
2	09/04/2007	17	60.1	49.7	10.5	17%	16,046	79	5.8	8.6	10.5	12.4	15.1	61,615
2	09/04/2007	18	55.2	47.3	7.9	14%	16,046	79	3.4	6.1	7.9	9.7	12.4	61,615
4	09/04/2007	19	58.6	66.4	-7.8	-13%	16,046	79	-13.9	-10.3	-7.8	-5.3	-1.6	61,615
4	09/04/2007	20	53.2	59.5	-6.2	-12%	16,046	79	-11.9	-8.6	-6.2	-3.9	-0.6	61,615
4	09/04/2007	21	47.3	46.3	1.1	2%	16,046	79	-5.4	-1.6	1.1	3.7	7.5	61,615
4	09/04/2007	22	39.2	36.1	3.1	8%	16,046	79	-2.2	0.9	3.1	5.3	8.5	61,615

2007 Ex-Post Results Event Day AC Summer Saver Commercial														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	09/04/2007	8	18.5	19.2	-0.7	-4%	967	78	-1.7	-1.1	-0.7	-0.3	0.3	16,542
0	09/04/2007	9	20.5	21.1	-0.6	-3%	967	78	-1.3	-0.9	-0.6	-0.3	0.2	16,542
0	09/04/2007	10	23.2	23.8	-0.6	-3%	967	78	-1.4	-0.9	-0.6	-0.3	0.1	16,542
0	09/04/2007	11	25.2	25.8	-0.6	-2%	967	78	-1.2	-0.8	-0.6	-0.3	0.1	16,542
0	09/04/2007	12	26.4	26.8	-0.3	-1%	967	78	-0.8	-0.5	-0.3	-0.1	0.1	16,542
0	09/04/2007	13	26.5	26.3	0.1	0%	967	78	0.0	0.1	0.1	0.2	0.3	16,542
0	09/04/2007	14	26.6	26.6	0.0	0%	967	78	-0.3	-0.1	0.0	0.1	0.3	16,542
2	09/04/2007	15	25.9	23.9	2.0	8%	967	78	1.4	1.7	2.0	2.3	2.6	16,542
2	09/04/2007	16	24.7	23.1	1.6	7%	967	78	0.8	1.3	1.6	1.9	2.4	16,542
2	09/04/2007	17	22.0	21.1	0.9	4%	967	78	0.2	0.6	0.9	1.3	1.7	16,542
2	09/04/2007	18	19.4	18.5	0.9	5%	967	78	0.1	0.6	0.9	1.2	1.7	16,542
4	09/04/2007	19	16.6	18.1	-1.5	-9%	967	78	-2.3	-1.8	-1.5	-1.2	-0.7	16,542
4	09/04/2007	20	16.3	17.4	-1.1	-7%	967	78	-2.0	-1.4	-1.1	-0.7	-0.2	16,542
4	09/04/2007	21	15.5	16.3	-0.8	-5%	967	78	-1.7	-1.2	-0.8	-0.5	0.0	16,542
4	09/04/2007	22	13.8	14.5	-0.6	-5%	967	78	-1.5	-1.0	-0.6	-0.3	0.2	16,542

2007 Ex-Post Results Event Day AC Summer Saver Residential														
									Load Impact (MW)					
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	10th	30th	50th	70th	90th	Total Tons
0	08/31/2007	8	21.2	19.9	1.3	6%	16,057	84	-1.6	0.1	1.3	2.5	4.2	61,659
0	08/31/2007	9	25.9	23.5	2.4	9%	16,057	84	-0.6	1.1	2.4	3.6	5.4	61,659
0	08/31/2007	10	29.9	29.4	0.5	2%	16,057	84	-2.5	-0.7	0.5	1.8	3.6	61,659
0	08/31/2007	11	37.3	33.4	3.8	10%	16,057	84	0.3	2.4	3.8	5.3	7.4	61,659
0	08/31/2007	12	40.0	40.6	-0.6	-2%	16,057	84	-3.7	-1.9	-0.6	0.6	2.5	61,659
0	08/31/2007	13	43.8	44.7	-0.9	-2%	16,057	84	-2.3	-1.5	-0.9	-0.3	0.5	61,659
0	08/31/2007	14	50.5	47.1	3.4	7%	16,057	84	1.1	2.5	3.4	4.4	5.7	61,659
2	08/31/2007	15	50.7	38.1	12.6	25%	16,057	84	8.4	10.9	12.6	14.2	16.7	61,659
2	08/31/2007	16	51.3	37.8	13.4	26%	16,057	84	9.0	11.6	13.4	15.2	17.8	61,659
4	08/31/2007	17	59.0	55.4	3.6	6%	16,057	84	-0.5	1.9	3.6	5.3	7.7	61,659
4	08/31/2007	18	61.4	64.2	-2.9	-5%	16,057	84	-7.3	-4.7	-2.9	-1.0	1.6	61,659
4	08/31/2007	19	54.6	56.7	-2.1	-4%	16,057	84	-7.1	-4.2	-2.1	-0.1	2.9	61,659
4	08/31/2007	20	47.2	48.6	-1.4	-3%	16,057	84	-5.6	-3.1	-1.4	0.3	2.8	61,659
4	08/31/2007	21	46.2	46.7	-0.5	-1%	16,057	84	-4.7	-2.2	-0.5	1.3	3.8	61,659
4	08/31/2007	22	41.9	43.7	-1.8	-4%	16,057	84	-6.2	-3.6	-1.8	0.0	2.6	61,659

2007 Ex-Post Results Event Day AC Summer Saver Commercial														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	08/31/2007	8	20.8	19.9	0.9	4%	982	81	-0.2	0.5	0.9	1.4	2.1	16,799
0	08/31/2007	9	23.1	22.1	1.1	5%	982	81	0.2	0.7	1.1	1.4	1.9	16,799
0	08/31/2007	10	25.9	24.8	1.1	4%	982	81	0.2	0.7	1.1	1.4	1.9	16,799
0	08/31/2007	11	27.9	27.0	1.0	3%	982	81	0.2	0.7	1.0	1.2	1.7	16,799
0	08/31/2007	12	29.0	28.1	0.9	3%	982	81	0.4	0.7	0.9	1.1	1.4	16,799
0	08/31/2007	13	28.5	28.8	-0.3	-1%	982	81	-0.5	-0.4	-0.3	-0.2	-0.1	16,799
0	08/31/2007	14	28.6	28.4	0.3	1%	982	81	-0.1	0.1	0.3	0.4	0.6	16,799
2	08/31/2007	15	28.5	25.3	3.2	11%	982	81	2.7	3.0	3.2	3.4	3.8	16,799
2	08/31/2007	16	27.8	24.3	3.5	12%	982	81	2.6	3.1	3.5	3.8	4.4	16,799
4	08/31/2007	17	26.5	24.7	1.8	7%	982	81	0.7	1.4	1.8	2.3	2.9	16,799
4	08/31/2007	18	23.8	22.4	1.4	6%	982	81	0.3	1.0	1.4	1.9	2.6	16,799
4	08/31/2007	19	21.9	20.5	1.4	6%	982	81	0.2	0.9	1.4	1.9	2.6	16,799
4	08/31/2007	20	21.0	19.6	1.4	7%	982	81	0.2	0.9	1.4	1.9	2.7	16,799
4	08/31/2007	21	20.0	19.1	0.9	5%	982	81	-0.3	0.4	0.9	1.4	2.1	16,799
4	08/31/2007	22	18.5	17.5	1.0	5%	982	81	-0.2	0.5	1.0	1.5	2.2	16,799

2007 Ex-Post Results Event Day AC Summer Saver Residential														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	08/30/2007	8	21.4	17.0	4.4	20%	16,057	79	2.1	3.4	4.4	5.3	6.6	61,659
0	08/30/2007	9	24.2	21.3	2.9	12%	16,057	79	0.6	2.0	2.9	3.8	5.1	61,659
0	08/30/2007	10	28.1	24.2	3.8	14%	16,057	79	1.1	2.7	3.8	4.9	6.5	61,659
0	08/30/2007	11	32.2	28.2	4.0	12%	16,057	79	1.1	2.8	4.0	5.2	6.9	61,659
0	08/30/2007	12	37.4	32.2	5.1	14%	16,057	79	2.6	4.1	5.1	6.2	7.7	61,659
0	08/30/2007	13	41.9	41.4	0.5	1%	16,057	79	-0.4	0.1	0.5	0.9	1.5	61,659
0	08/30/2007	14	45.7	47.7	-2.0	-4%	16,057	79	-3.9	-2.8	-2.0	-1.3	-0.2	61,659
2	08/30/2007	15	46.8	39.3	7.4	16%	16,057	79	3.9	6.0	7.4	8.9	10.9	61,659
2	08/30/2007	16	49.1	40.7	8.5	17%	16,057	79	4.9	7.0	8.5	9.9	12.0	61,659
2	08/30/2007	17	50.8	38.9	11.9	23%	16,057	79	7.7	10.2	11.9	13.7	16.2	61,659
2	08/30/2007	18	47.6	36.5	11.2	23%	16,057	79	7.2	9.5	11.2	12.8	15.1	61,659
4	08/30/2007	19	50.1	46.9	3.2	6%	16,057	79	-1.1	1.4	3.2	5.0	7.6	61,659
4	08/30/2007	20	47.6	41.4	6.2	13%	16,057	79	1.9	4.4	6.2	8.0	10.5	61,659
4	08/30/2007	21	48.1	44.2	3.9	8%	16,057	79	-0.4	2.2	3.9	5.7	8.3	61,659
4	08/30/2007	22	39.1	36.6	2.5	6%	16,057	79	-1.4	0.9	2.5	4.1	6.4	61,659

2007 Ex-Post Results Event Day AC Summer Saver Commercial														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	08/30/2007	8	17.9	16.7	1.2	7%	982	78	0.4	0.8	1.2	1.5	2.0	16,799
0	08/30/2007	9	19.3	18.3	1.0	5%	982	78	0.4	0.7	1.0	1.2	1.6	16,799
0	08/30/2007	10	21.6	21.5	0.2	1%	982	78	-0.4	-0.1	0.2	0.4	0.7	16,799
0	08/30/2007	11	23.6	23.7	-0.1	0%	982	78	-0.6	-0.3	-0.1	0.1	0.4	16,799
0	08/30/2007	12	25.4	25.9	-0.5	-2%	982	78	-0.9	-0.6	-0.5	-0.3	-0.1	16,799
0	08/30/2007	13	25.8	25.7	0.0	0%	982	78	-0.2	-0.1	0.0	0.1	0.2	16,799
0	08/30/2007	14	26.4	26.2	0.1	1%	982	78	-0.2	0.0	0.1	0.3	0.4	16,799
2	08/30/2007	15	26.3	23.6	2.7	10%	982	78	2.0	2.4	2.7	3.0	3.5	16,799
2	08/30/2007	16	25.5	22.7	2.7	11%	982	78	1.9	2.4	2.7	3.0	3.5	16,799
2	08/30/2007	17	22.6	20.9	1.7	8%	982	78	1.0	1.4	1.7	2.0	2.4	16,799
2	08/30/2007	18	19.5	18.7	0.8	4%	982	78	0.1	0.5	0.8	1.1	1.6	16,799
4	08/30/2007	19	17.6	18.3	-0.7	-4%	982	78	-1.5	-1.0	-0.7	-0.4	0.0	16,799
4	08/30/2007	20	17.6	17.9	-0.3	-2%	982	78	-1.1	-0.6	-0.3	0.1	0.5	16,799
4	08/30/2007	21	17.0	17.0	0.1	0%	982	78	-0.7	-0.3	0.1	0.4	0.8	16,799
4	08/30/2007	22	15.2	15.2	0.0	0%	982	78	-0.8	-0.4	0.0	0.3	0.7	16,799

2007 Ex-Post Results Event Day AC Summer Saver Residential														
									Load Impact (MW)					
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	10th	30th	50th	70th	90th	Total Tons
0	08/29/2007	8	19.4	20.1	-0.7	-3%	16,057	78	-2.8	-1.5	-0.7	0.2	1.5	61,659
0	08/29/2007	9	20.8	20.3	0.5	2%	16,057	78	-1.7	-0.4	0.5	1.4	2.7	61,659
0	08/29/2007	10	23.3	22.1	1.1	5%	16,057	78	-1.1	0.2	1.1	2.0	3.3	61,659
0	08/29/2007	11	25.0	24.6	0.4	2%	16,057	78	-1.9	-0.5	0.4	1.4	2.7	61,659
0	08/29/2007	12	29.4	27.8	1.5	5%	16,057	78	-0.8	0.6	1.5	2.5	3.9	61,659
0	08/29/2007	13	31.3	30.8	0.5	2%	16,057	78	-0.4	0.1	0.5	0.9	1.5	61,659
0	08/29/2007	14	35.5	36.7	-1.2	-3%	16,057	78	-2.6	-1.8	-1.2	-0.6	0.2	61,659
2	08/29/2007	15	38.9	33.9	5.0	13%	16,057	78	2.3	3.9	5.0	6.1	7.7	61,659
2	08/29/2007	16	44.7	36.2	8.4	19%	16,057	78	5.1	7.1	8.4	9.8	11.7	61,659
2	08/29/2007	17	48.2	38.1	10.1	21%	16,057	78	6.8	8.7	10.1	11.5	13.4	61,659
2	08/29/2007	18	49.4	37.3	12.1	24%	16,057	78	8.1	10.4	12.1	13.7	16.1	61,659
4	08/29/2007	19	55.4	55.9	-0.5	-1%	16,057	78	-5.8	-2.7	-0.5	1.7	4.9	61,659
4	08/29/2007	20	49.6	49.3	0.3	1%	16,057	78	-4.2	-1.6	0.3	2.1	4.8	61,659
4	08/29/2007	21	45.9	42.7	3.2	7%	16,057	78	-1.0	1.5	3.2	4.9	7.4	61,659
4	08/29/2007	22	36.6	36.0	0.6	2%	16,057	78	-2.7	-0.7	0.6	2.0	3.9	61,659

2007 Ex-Post Results Event Day AC Summer Saver Commercial														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	08/29/2007	8	18.1	18.9	-0.8	-4%	982	76	-1.7	-1.2	-0.8	-0.4	0.1	16,799
0	08/29/2007	9	20.1	21.0	-0.9	-5%	982	76	-1.6	-1.2	-0.9	-0.7	-0.3	16,799
0	08/29/2007	10	22.5	23.2	-0.7	-3%	982	76	-1.2	-0.9	-0.7	-0.4	-0.1	16,799
0	08/29/2007	11	25.0	25.5	-0.6	-2%	982	76	-1.2	-0.8	-0.6	-0.3	0.0	16,799
0	08/29/2007	12	26.3	26.5	-0.2	-1%	982	76	-0.6	-0.4	-0.2	0.0	0.2	16,799
0	08/29/2007	13	26.8	26.8	0.0	0%	982	76	-0.1	-0.1	0.0	0.1	0.1	16,799
0	08/29/2007	14	27.2	27.2	0.0	0%	982	76	-0.2	-0.1	0.0	0.1	0.2	16,799
2	08/29/2007	15	26.4	24.8	1.6	6%	982	76	1.0	1.4	1.6	1.8	2.2	16,799
2	08/29/2007	16	25.6	24.2	1.4	5%	982	76	0.8	1.2	1.4	1.6	2.0	16,799
2	08/29/2007	17	24.2	22.7	1.4	6%	982	76	0.8	1.2	1.4	1.7	2.1	16,799
2	08/29/2007	18	21.4	20.2	1.2	6%	982	76	0.5	0.9	1.2	1.6	2.0	16,799
4	08/29/2007	19	19.1	20.6	-1.5	-8%	982	76	-2.3	-1.8	-1.5	-1.2	-0.7	16,799
4	08/29/2007	20	18.4	19.7	-1.3	-7%	982	76	-2.0	-1.6	-1.3	-0.9	-0.5	16,799
4	08/29/2007	21	17.0	18.3	-1.3	-8%	982	76	-2.1	-1.6	-1.3	-1.0	-0.6	16,799
4	08/29/2007	22	15.3	16.2	-0.8	-5%	982	76	-1.5	-1.1	-0.8	-0.5	-0.1	16,799

2007 Ex-Post Results Event Day AC Summer Saver Residential														
									Load Impact (MW)					
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	10th	30th	50th	70th	90th	Total Tons
0	08/27/2007	8	16.8	16.4	0.4	2%	16,057	76	-1.9	-0.5	0.4	1.3	2.7	61,659
0	08/27/2007	9	18.7	18.3	0.4	2%	16,057	76	-1.9	-0.6	0.4	1.3	2.7	61,659
0	08/27/2007	10	20.4	18.8	1.5	8%	16,057	76	-0.8	0.6	1.5	2.5	3.9	61,659
0	08/27/2007	11	24.2	23.8	0.4	2%	16,057	76	-2.0	-0.6	0.4	1.4	2.9	61,659
0	08/27/2007	12	26.8	27.8	-1.0	-4%	16,057	76	-3.5	-2.0	-1.0	0.0	1.5	61,659
0	08/27/2007	13	32.2	30.6	1.5	5%	16,057	76	-0.4	0.7	1.5	2.3	3.5	61,659
0	08/27/2007	14	35.7	34.2	1.5	4%	16,057	76	0.6	1.2	1.5	1.9	2.4	61,659
0	08/27/2007	15	37.9	41.2	-3.3	-9%	16,057	76	-4.9	-4.0	-3.3	-2.6	-1.7	61,659
2	08/27/2007	16	35.3	33.1	2.2	6%	16,057	76	-0.3	1.2	2.2	3.3	4.7	61,659
2	08/27/2007	17	39.6	35.4	4.1	10%	16,057	76	1.0	2.9	4.1	5.4	7.3	61,659
2	08/27/2007	18	41.2	36.8	4.4	11%	16,057	76	1.5	3.2	4.4	5.6	7.3	61,659
4	08/27/2007	19	42.0	46.3	-4.4	-10%	16,057	76	-8.1	-5.9	-4.4	-2.8	-0.6	61,659
4	08/27/2007	20	39.9	40.3	-0.4	-1%	16,057	76	-4.2	-2.0	-0.4	1.1	3.3	61,659
4	08/27/2007	21	37.2	37.6	-0.4	-1%	16,057	76	-3.7	-1.7	-0.4	1.0	3.0	61,659
4	08/27/2007	22	34.3	33.9	0.4	1%	16,057	76	-2.4	-0.7	0.4	1.5	3.1	61,659

2007 Ex-Post Results Event Day AC Summer Saver Commercial														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	08/27/2007	8	15.9	15.2	0.7	4%	982	75	-0.2	0.3	0.7	1.1	1.7	16,799
0	08/27/2007	9	17.7	17.0	0.6	4%	982	75	-0.2	0.3	0.6	1.0	1.5	16,799
0	08/27/2007	10	20.3	19.6	0.7	4%	982	75	-0.1	0.4	0.7	1.0	1.5	16,799
0	08/27/2007	11	22.3	21.8	0.4	2%	982	75	-0.2	0.2	0.4	0.7	1.1	16,799
0	08/27/2007	12	24.0	23.9	0.0	0%	982	75	-0.4	-0.1	0.0	0.2	0.4	16,799
0	08/27/2007	13	24.8	24.7	0.0	0%	982	75	-0.3	-0.1	0.0	0.2	0.4	16,799
0	08/27/2007	14	25.2	25.2	-0.1	0%	982	75	-0.2	-0.1	-0.1	0.0	0.1	16,799
0	08/27/2007	15	24.8	24.8	0.1	0%	982	75	-0.2	0.0	0.1	0.2	0.3	16,799
2	08/27/2007	16	24.3	22.5	1.8	8%	982	75	1.2	1.6	1.8	2.1	2.4	16,799
2	08/27/2007	17	22.2	19.7	2.5	11%	982	75	1.8	2.2	2.5	2.9	3.3	16,799
2	08/27/2007	18	19.5	18.0	1.6	8%	982	75	0.8	1.3	1.6	1.9	2.3	16,799
4	08/27/2007	19	17.1	17.6	-0.5	-3%	982	75	-1.3	-0.8	-0.5	-0.2	0.3	16,799
4	08/27/2007	20	16.2	17.3	-1.1	-7%	982	75	-1.9	-1.4	-1.1	-0.8	-0.3	16,799
4	08/27/2007	21	15.6	16.3	-0.6	-4%	982	75	-1.4	-1.0	-0.6	-0.3	0.1	16,799
4	08/27/2007	22	14.3	14.5	-0.2	-1%	982	75	-1.0	-0.5	-0.2	0.1	0.6	16,799

2007 Ex-Post Results Event Day AC Summer Saver Residential														
									Load Impact (MW)					
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	10th	30th	50th	70th	90th	Total Tons
0	08/21/2007	8	16.6	18.8	-2.3	-14%	15,919	78	-4.0	-3.0	-2.3	-1.6	-0.5	61,129
0	08/21/2007	9	16.8	20.6	-3.8	-23%	15,919	78	-5.3	-4.4	-3.8	-3.2	-2.3	61,129
0	08/21/2007	10	20.0	24.6	-4.6	-23%	15,919	78	-6.5	-5.4	-4.6	-3.8	-2.7	61,129
0	08/21/2007	11	22.2	25.2	-3.0	-13%	15,919	78	-4.6	-3.6	-3.0	-2.3	-1.3	61,129
0	08/21/2007	12	22.8	24.6	-1.9	-8%	15,919	78	-3.4	-2.5	-1.9	-1.3	-0.4	61,129
0	08/21/2007	13	27.6	26.4	1.2	4%	15,919	78	0.4	0.9	1.2	1.5	2.0	61,129
0	08/21/2007	14	31.1	33.1	-2.1	-7%	15,919	78	-3.6	-2.7	-2.1	-1.4	-0.5	61,129
2	08/21/2007	15	35.9	29.6	6.3	18%	15,919	78	3.6	5.2	6.3	7.4	9.0	61,129
2	08/21/2007	16	35.8	28.7	7.2	20%	15,919	78	4.1	5.9	7.2	8.4	10.2	61,129
2	08/21/2007	17	37.0	30.0	7.0	19%	15,919	78	4.0	5.8	7.0	8.3	10.0	61,129
2	08/21/2007	18	37.0	31.9	5.1	14%	15,919	78	2.0	3.8	5.1	6.3	8.1	61,129
4	08/21/2007	19	40.0	44.5	-4.6	-11%	15,919	78	-7.8	-5.9	-4.6	-3.2	-1.3	61,129
4	08/21/2007	20	37.2	43.4	-6.1	-16%	15,919	78	-9.7	-7.6	-6.1	-4.7	-2.6	61,129
4	08/21/2007	21	36.7	44.7	-8.0	-22%	15,919	78	-11.5	-9.4	-8.0	-6.5	-4.5	61,129
4	08/21/2007	22	29.3	36.0	-6.8	-23%	15,919	78	-9.7	-8.0	-6.8	-5.6	-3.8	61,129

2007 Ex-Post Results Event Day AC Summer Saver Commercial														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	08/21/2007	8	21.0	20.3	0.7	3%	1,082	77	-0.2	0.3	0.7	1.1	1.6	18,498
0	08/21/2007	9	23.6	22.3	1.3	6%	1,082	77	0.7	1.1	1.3	1.6	2.0	18,498
0	08/21/2007	10	26.1	25.0	1.0	4%	1,082	77	0.5	0.8	1.0	1.2	1.5	18,498
0	08/21/2007	11	28.5	28.0	0.5	2%	1,082	77	-0.1	0.2	0.5	0.7	1.0	18,498
0	08/21/2007	12	29.6	29.3	0.3	1%	1,082	77	-0.1	0.1	0.3	0.5	0.7	18,498
0	08/21/2007	13	29.9	30.3	-0.4	-1%	1,082	77	-0.6	-0.5	-0.4	-0.3	-0.2	18,498
0	08/21/2007	14	30.5	30.3	0.2	1%	1,082	77	-0.1	0.1	0.2	0.4	0.5	18,498
2	08/21/2007	15	29.7	26.7	3.0	10%	1,082	77	2.3	2.7	3.0	3.3	3.6	18,498
2	08/21/2007	16	28.6	25.9	2.8	10%	1,082	77	2.0	2.5	2.8	3.1	3.5	18,498
2	08/21/2007	17	27.2	24.7	2.6	9%	1,082	77	1.8	2.3	2.6	2.9	3.4	18,498
2	08/21/2007	18	24.3	21.5	2.8	11%	1,082	77	2.0	2.4	2.8	3.1	3.6	18,498
4	08/21/2007	19	22.2	20.8	1.3	6%	1,082	77	0.4	1.0	1.3	1.7	2.3	18,498
4	08/21/2007	20	20.8	19.7	1.1	5%	1,082	77	0.2	0.7	1.1	1.5	2.1	18,498
4	08/21/2007	21	20.2	18.5	1.7	8%	1,082	77	0.8	1.3	1.7	2.0	2.6	18,498
4	08/21/2007	22	18.5	17.3	1.1	6%	1,082	77	0.2	0.8	1.1	1.5	2.0	18,498

2007 Ex-Post Results Event Day AC Summer Saver Residential														
									Load Impact (MW)					
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	10th	30th	50th	70th	90th	Total Tons
0	08/20/2007	8	18.1	17.1	0.9	5%	15,919	79	-1.4	0.0	0.9	1.9	3.2	61,129
0	08/20/2007	9	19.2	17.3	1.9	10%	15,919	79	-0.4	0.9	1.9	2.8	4.2	61,129
0	08/20/2007	10	22.0	20.4	1.6	7%	15,919	79	-0.7	0.7	1.6	2.6	3.9	61,129
0	08/20/2007	11	25.4	24.6	0.8	3%	15,919	79	-1.8	-0.3	0.8	1.9	3.4	61,129
0	08/20/2007	12	28.5	28.3	0.2	1%	15,919	79	-2.0	-0.7	0.2	1.1	2.4	61,129
0	08/20/2007	13	33.7	33.7	0.0	0%	15,919	79	-0.9	-0.4	0.0	0.4	0.9	61,129
0	08/20/2007	14	40.1	38.7	1.4	4%	15,919	79	-0.1	0.8	1.4	2.1	3.0	61,129
2	08/20/2007	15	41.6	32.8	8.8	21%	15,919	79	5.4	7.4	8.8	10.1	12.1	61,129
2	08/20/2007	16	44.3	33.1	11.2	25%	15,919	79	7.6	9.7	11.2	12.7	14.8	61,129
2	08/20/2007	17	44.6	34.4	10.3	23%	15,919	79	6.4	8.7	10.3	11.9	14.2	61,129
2	08/20/2007	18	44.8	36.5	8.3	19%	15,919	79	4.5	6.8	8.3	9.9	12.1	61,129
4	08/20/2007	19	47.2	51.1	-3.9	-8%	15,919	79	-8.0	-5.6	-3.9	-2.3	0.1	61,129
4	08/20/2007	20	41.9	47.9	-6.1	-14%	15,919	79	-10.0	-7.7	-6.1	-4.4	-2.1	61,129
4	08/20/2007	21	39.9	45.8	-5.9	-15%	15,919	79	-9.6	-7.4	-5.9	-4.4	-2.2	61,129
4	08/20/2007	22	36.0	37.9	-2.0	-5%	15,919	79	-5.6	-3.5	-2.0	-0.5	1.7	61,129

2007 Ex-Post Results Event Day AC Summer Saver Commercial														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	08/20/2007	8	17.6	17.6	0.0	0%	1,082	78	-1.0	-0.4	0.0	0.4	0.9	18,498
0	08/20/2007	9	20.0	19.9	0.1	0%	1,082	78	-0.7	-0.3	0.1	0.4	0.8	18,498
0	08/20/2007	10	22.7	22.9	-0.2	-1%	1,082	78	-0.9	-0.5	-0.2	0.1	0.5	18,498
0	08/20/2007	11	25.4	25.2	0.2	1%	1,082	78	-0.4	-0.1	0.2	0.4	0.8	18,498
0	08/20/2007	12	27.3	27.1	0.2	1%	1,082	78	-0.3	0.0	0.2	0.4	0.7	18,498
0	08/20/2007	13	28.1	27.8	0.3	1%	1,082	78	0.1	0.3	0.3	0.4	0.6	18,498
0	08/20/2007	14	28.3	28.8	-0.5	-2%	1,082	78	-0.8	-0.6	-0.5	-0.3	-0.1	18,498
2	08/20/2007	15	27.6	25.8	1.8	7%	1,082	78	1.2	1.6	1.8	2.1	2.5	18,498
2	08/20/2007	16	27.1	24.8	2.3	8%	1,082	78	1.5	2.0	2.3	2.6	3.0	18,498
2	08/20/2007	17	24.4	22.8	1.6	6%	1,082	78	0.9	1.3	1.6	1.9	2.3	18,498
2	08/20/2007	18	21.0	20.0	0.9	5%	1,082	78	0.2	0.6	0.9	1.3	1.7	18,498
4	08/20/2007	19	18.4	19.2	-0.9	-5%	1,082	78	-1.7	-1.2	-0.9	-0.5	0.0	18,498
4	08/20/2007	20	17.8	18.9	-1.0	-6%	1,082	78	-1.9	-1.4	-1.0	-0.7	-0.1	18,498
4	08/20/2007	21	17.3	18.5	-1.2	-7%	1,082	78	-2.1	-1.6	-1.2	-0.9	-0.4	18,498
4	08/20/2007	22	15.6	16.6	-1.0	-6%	1,082	78	-1.8	-1.3	-1.0	-0.6	-0.1	18,498

2007 Ex-Post Results Event Day AC Summer Saver Residential														
									Load Impact (MW)					
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	10th	30th	50th	70th	90th	Total Tons
0	08/15/2007	8	17.3	17.4	-0.1	-1%	15,725	78	-2.5	-1.1	-0.1	0.9	2.3	60,384
0	08/15/2007	9	17.3	19.1	-1.8	-10%	15,725	78	-4.1	-2.7	-1.8	-0.8	0.5	60,384
0	08/15/2007	10	21.6	23.5	-1.9	-9%	15,725	78	-3.9	-2.7	-1.9	-1.1	0.2	60,384
0	08/15/2007	11	26.7	29.1	-2.3	-9%	15,725	78	-4.6	-3.2	-2.3	-1.4	-0.1	60,384
0	08/15/2007	12	28.3	29.4	-1.1	-4%	15,725	78	-3.2	-2.0	-1.1	-0.3	0.9	60,384
0	08/15/2007	13	31.8	31.6	0.2	1%	15,725	78	-1.0	-0.3	0.2	0.7	1.4	60,384
0	08/15/2007	14	34.5	34.0	0.5	1%	15,725	78	-1.8	-0.5	0.5	1.4	2.7	60,384
2	08/15/2007	15	37.9	29.9	8.1	21%	15,725	78	5.1	6.8	8.1	9.3	11.1	60,384
2	08/15/2007	16	39.3	31.5	7.8	20%	15,725	78	4.6	6.5	7.8	9.1	11.0	60,384
2	08/15/2007	17	41.2	33.4	7.7	19%	15,725	78	4.5	6.4	7.7	9.0	10.9	60,384
2	08/15/2007	18	41.4	33.0	8.4	20%	15,725	78	5.1	7.0	8.4	9.7	11.7	60,384
4	08/15/2007	19	42.9	46.2	-3.4	-8%	15,725	78	-7.3	-5.0	-3.4	-1.8	0.5	60,384
4	08/15/2007	20	39.2	43.2	-4.0	-10%	15,725	78	-8.0	-5.6	-4.0	-2.3	0.1	60,384
4	08/15/2007	21	37.8	37.5	0.3	1%	15,725	78	-3.2	-1.1	0.3	1.7	3.8	60,384
4	08/15/2007	22	33.7	36.4	-2.7	-8%	15,725	78	-6.3	-4.1	-2.7	-1.2	0.9	60,384

2007 Ex-Post Results Event Day AC Summer Saver Commercial														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	08/15/2007	8	19.8	19.9	-0.1	-1%	1,019	77	-1.1	-0.5	-0.1	0.3	0.9	17,432
0	08/15/2007	9	21.7	22.1	-0.4	-2%	1,019	77	-1.1	-0.7	-0.4	0.0	0.4	17,432
0	08/15/2007	10	24.5	24.6	0.0	0%	1,019	77	-0.7	-0.3	0.0	0.2	0.6	17,432
0	08/15/2007	11	26.9	26.8	0.0	0%	1,019	77	-0.5	-0.2	0.0	0.3	0.6	17,432
0	08/15/2007	12	28.0	28.1	-0.1	0%	1,019	77	-0.5	-0.3	-0.1	0.1	0.3	17,432
0	08/15/2007	13	28.5	28.7	-0.1	0%	1,019	77	-0.3	-0.2	-0.1	-0.1	0.0	17,432
0	08/15/2007	14	28.8	28.9	-0.1	0%	1,019	77	-0.4	-0.2	-0.1	0.0	0.2	17,432
2	08/15/2007	15	28.2	26.0	2.2	8%	1,019	77	1.5	1.9	2.2	2.5	2.9	17,432
2	08/15/2007	16	27.0	25.2	1.7	6%	1,019	77	1.0	1.4	1.7	2.1	2.5	17,432
2	08/15/2007	17	25.5	23.9	1.6	6%	1,019	77	0.8	1.3	1.6	2.0	2.5	17,432
2	08/15/2007	18	22.3	21.3	0.9	4%	1,019	77	0.1	0.6	0.9	1.3	1.7	17,432
4	08/15/2007	19	20.3	21.8	-1.4	-7%	1,019	77	-2.3	-1.8	-1.4	-1.1	-0.6	17,432
4	08/15/2007	20	19.5	20.2	-0.8	-4%	1,019	77	-1.6	-1.1	-0.8	-0.4	0.1	17,432
4	08/15/2007	21	18.8	19.1	-0.3	-2%	1,019	77	-1.1	-0.6	-0.3	0.0	0.4	17,432
4	08/15/2007	22	16.8	17.0	-0.2	-1%	1,019	77	-0.9	-0.5	-0.2	0.1	0.5	17,432

2007 Ex-Post Results Event Day AC Summer Saver Residential														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	07/27/2007	8	18.6	17.7	0.9	5%	15,118	78	-1.5	-0.1	0.9	1.8	3.3	58,053
0	07/27/2007	9	19.2	18.3	0.9	5%	15,118	78	-0.9	0.2	0.9	1.7	2.8	58,053
0	07/27/2007	10	22.3	22.4	-0.1	-1%	15,118	78	-2.0	-0.9	-0.1	0.7	1.8	58,053
0	07/27/2007	11	24.8	24.1	0.6	3%	15,118	78	-1.3	-0.2	0.6	1.4	2.5	58,053
0	07/27/2007	12	29.3	29.9	-0.6	-2%	15,118	78	-2.2	-1.2	-0.6	0.1	1.0	58,053
0	07/27/2007	13	34.6	34.4	0.3	1%	15,118	78	-0.7	-0.1	0.3	0.6	1.2	58,053
0	07/27/2007	14	37.5	37.4	0.0	0%	15,118	78	-1.6	-0.6	0.0	0.7	1.7	58,053
2	07/27/2007	15	36.1	29.1	6.9	19%	15,118	78	4.7	6.0	6.9	7.9	9.2	58,053
2	07/27/2007	16	37.3	28.6	8.8	23%	15,118	78	6.0	7.6	8.8	9.9	11.5	58,053
2	07/27/2007	17	36.7	29.6	7.1	19%	15,118	78	3.9	5.8	7.1	8.4	10.4	58,053
2	07/27/2007	18	37.8	30.0	7.7	20%	15,118	78	4.8	6.5	7.7	8.9	10.6	58,053
4	07/27/2007	19	39.3	38.3	1.0	3%	15,118	78	-2.1	-0.3	1.0	2.3	4.2	58,053
4	07/27/2007	20	34.0	32.9	1.1	3%	15,118	78	-1.7	-0.1	1.1	2.2	3.9	58,053
4	07/27/2007	21	32.4	31.4	1.0	3%	15,118	78	-1.7	-0.1	1.0	2.0	3.6	58,053
4	07/27/2007	22	29.7	27.9	1.7	6%	15,118	78	-0.8	0.7	1.7	2.8	4.3	58,053

2007 Ex-Post Results Event Day AC Summer Saver Commercial														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	07/27/2007	8	18.3	17.2	1.2	6%	1,042	77	0.4	0.8	1.2	1.5	2.0	17,825
0	07/27/2007	9	20.1	19.0	1.1	5%	1,042	77	0.5	0.8	1.1	1.3	1.7	17,825
0	07/27/2007	10	23.2	22.0	1.2	5%	1,042	77	0.6	1.0	1.2	1.5	1.9	17,825
0	07/27/2007	11	25.3	25.1	0.2	1%	1,042	77	-0.5	-0.1	0.2	0.5	0.9	17,825
0	07/27/2007	12	27.0	26.5	0.4	2%	1,042	77	-0.1	0.2	0.4	0.6	0.9	17,825
0	07/27/2007	13	26.8	26.8	-0.1	0%	1,042	77	-0.3	-0.1	-0.1	0.0	0.1	17,825
0	07/27/2007	14	26.5	26.5	0.0	0%	1,042	77	-0.4	-0.2	0.0	0.1	0.3	17,825
2	07/27/2007	15	25.3	24.0	1.3	5%	1,042	77	0.5	1.0	1.3	1.6	2.0	17,825
2	07/27/2007	16	24.6	22.9	1.7	7%	1,042	77	0.8	1.3	1.7	2.1	2.6	17,825
2	07/27/2007	17	22.5	21.3	1.2	5%	1,042	77	0.4	0.9	1.2	1.5	1.9	17,825
2	07/27/2007	18	20.2	19.1	1.1	6%	1,042	77	0.3	0.8	1.1	1.5	2.0	17,825
4	07/27/2007	19	19.5	18.1	1.4	7%	1,042	77	0.5	1.0	1.4	1.7	2.2	17,825
4	07/27/2007	20	18.5	17.2	1.3	7%	1,042	77	0.4	0.9	1.3	1.6	2.1	17,825
4	07/27/2007	21	18.0	16.7	1.3	7%	1,042	77	0.5	1.0	1.3	1.6	2.1	17,825
4	07/27/2007	22	16.2	15.0	1.2	8%	1,042	77	0.5	0.9	1.2	1.6	2.0	17,825

2007 Ex-Post Results Event Day AC Summer Saver Residential														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	07/03/2007	8	14.4	15.2	-0.8	-5%	14,383	72	-2.5	-1.5	-0.8	-0.1	1.0	55,232
0	07/03/2007	9	16.1	16.4	-0.3	-2%	14,383	72	-1.7	-0.8	-0.3	0.3	1.1	55,232
0	07/03/2007	10	17.5	16.7	0.8	5%	14,383	72	-0.5	0.3	0.8	1.4	2.1	55,232
0	07/03/2007	11	19.5	19.5	0.0	0%	14,383	72	-0.9	-0.3	0.0	0.4	0.9	55,232
0	07/03/2007	12	22.1	21.9	0.3	1%	14,383	72	-0.4	0.0	0.3	0.6	1.0	55,232
0	07/03/2007	13	24.6	24.4	0.2	1%	14,383	72	-1.0	-0.3	0.2	0.6	1.3	55,232
2	07/03/2007	14	24.9	21.8	3.1	13%	14,383	72	1.3	2.4	3.1	3.8	4.9	55,232
2	07/03/2007	15	26.7	24.6	2.1	8%	14,383	72	-0.2	1.2	2.1	3.1	4.4	55,232
2	07/03/2007	16	31.6	25.4	6.2	20%	14,383	72	3.3	5.0	6.2	7.4	9.1	55,232
2	07/03/2007	17	31.1	25.0	6.1	20%	14,383	72	3.1	4.9	6.1	7.3	9.1	55,232
4	07/03/2007	18	35.2	37.2	-2.1	-6%	14,383	72	-5.4	-3.4	-2.1	-0.7	1.2	55,232
4	07/03/2007	19	33.0	37.6	-4.5	-14%	14,383	72	-7.6	-5.8	-4.5	-3.3	-1.5	55,232
4	07/03/2007	20	27.8	29.1	-1.3	-5%	14,383	72	-3.4	-2.2	-1.3	-0.5	0.8	55,232
4	07/03/2007	21	26.2	25.8	0.4	2%	14,383	72	-1.4	-0.3	0.4	1.2	2.3	55,232
4	07/03/2007	22	24.8	25.9	-1.1	-4%	14,383	72	-2.9	-1.8	-1.1	-0.3	0.7	55,232

2007 Ex-Post Results Event Day AC Summer Saver Commercial														
Period (Event=2)	Date	Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Temp	Load Impact (MW)					Total Tons
									10th	30th	50th	70th	90th	
0	07/03/2007	8	17.6	17.7	-0.1	-1%	1,025	70	-0.8	-0.4	-0.1	0.2	0.6	17,521
0	07/03/2007	9	20.2	20.3	-0.1	0%	1,025	70	-0.7	-0.3	-0.1	0.2	0.6	17,521
0	07/03/2007	10	22.6	22.9	-0.3	-1%	1,025	70	-0.9	-0.5	-0.3	-0.1	0.2	17,521
0	07/03/2007	11	25.1	25.1	0.0	0%	1,025	70	-0.5	-0.2	0.0	0.2	0.4	17,521
0	07/03/2007	12	25.7	25.9	-0.2	-1%	1,025	70	-0.4	-0.3	-0.2	-0.1	0.0	17,521
0	07/03/2007	13	26.0	25.8	0.2	1%	1,025	70	-0.2	0.0	0.2	0.3	0.5	17,521
2	07/03/2007	14	23.9	24.0	-0.1	0%	1,025	70	-0.8	-0.4	-0.1	0.2	0.6	17,521
2	07/03/2007	15	23.3	23.3	0.0	0%	1,025	70	-1.0	-0.4	0.0	0.4	1.0	17,521
2	07/03/2007	16	22.1	22.4	-0.3	-1%	1,025	70	-1.3	-0.7	-0.3	0.1	0.8	17,521
2	07/03/2007	17	21.1	21.4	-0.3	-1%	1,025	70	-1.2	-0.6	-0.3	0.1	0.6	17,521
4	07/03/2007	18	20.9	21.2	-0.3	-2%	1,025	70	-1.1	-0.6	-0.3	0.0	0.4	17,521
4	07/03/2007	19	19.0	18.5	0.4	2%	1,025	70	-0.4	0.1	0.4	0.8	1.2	17,521
4	07/03/2007	20	17.0	17.0	0.0	0%	1,025	70	-0.9	-0.3	0.0	0.4	0.9	17,521
4	07/03/2007	21	16.6	16.6	0.0	0%	1,025	70	-0.8	-0.3	0.0	0.4	0.9	17,521
4	07/03/2007	22	15.2	15.4	-0.2	-1%	1,025	70	-1.0	-0.5	-0.2	0.1	0.6	17,521

KEMA

memo

The purpose of this memo is to provide data in compliance with Protocol 9 from Load Impact Estimation for Demand Response: Protocols and Regulatory Guidance[1] (hereafter, the Protocols).

KEMA has completed the initial impact evaluation for the 2007 Residential and Commercial Summer Saver Direct Load Control Program. Results and an overview of the methodological approaches used were provided in a separate memo[2]. In addition to impact results, the new Protocols provide guidance for production of statistical measures as evidence of the effectiveness of the chosen methodology.

As discussed in the methods memo, the methodology used for the Summer Saver Impact evaluation is a difference of differences approach using both a comparison group and regression-based load modeling. Because the methodology is a mixture of approaches the statistical measures recommended in the Protocols for each individual approach do not adequately summarize the effectiveness of the method.

The recommended regression-based protocols (Protocol 10) are not appropriate for three reasons:

- Regressions are performed at the site level,
- Regression-based load estimates receive a same day pre-event adjustment to observed load, and
- The regression results effectively only provide an adjustment to results produced using the observed load of the comparison group.

Protocol 9 for Day Matching methods provides a general approach that, with modifications, can be used to assess the difference of difference methodology. The approach measures the ability of the method to estimate load for proxy days (non-event days) as an indication of how well baseline or reference load is estimated for event days. The approach measures average and median error across customers and proxy days for each hour of the entire day.

Two modifications are required to develop analogous Protocol 9 results for the adjusted difference of difference method used for the Summer Saver impact analysis. First, to accommodate the site-level, same-day adjustment we only report the statistical measures for the four hour period between 2 and 6 pm using the two hours previous as the adjustment period. This "proxy" event period matches the majority of event periods from the summer of 2007.

Second, the hourly error statistics are be calculated across proxy days only, rather than proxy days and customers. The difference of differences approach involves the combination of group-level averages from both groups' (cycled and comparison) observed and estimated loads. As a result, it is impossible

[1] CPUC, March 2008.
[2] Memo Methods and Results Summary 05-09-2008.doc

to measure the full effect of the method at the customer/site level. Error statistics calculated across proxy days only are equally valid but will not reflect the variation across the customers.

Table 1 provides the Protocol 9 error statistics for the residential Summer Saver program. The average error is the average of the hourly errors across 37 proxy days. These results represent the difference of group A minus group B. The difference of group B minus group A would be the same magnitudes with the opposite signs. For the sake of simplicity, the relative average error is calculated using the average of the average loads of groups A and B.

Table-1
Protocol 9 Error Statistics for Residential Summer Saver Program

Hour	Average Error per Ton	Relative Average Error per Ton	Median Error per Ton	Relative Median Error per Ton	Number of Days with Daily Average Temperature at 70° F. or Above
15	-0.0050	-1%	-0.0061	-5%	37
16	-0.0057	0%	-0.0016	-1%	37
17	0.0004	0%	0.0036	2%	37
18	0.0065	1%	0.0129	7%	37

Table 2 provides the Protocol 9 error statistics for the commercial Summer Saver program. The table set-up is identical to Table 1 above.

Table-2
Protocol 9 Error Statistics for Commercial Summer Saver Program

Hour	Average Error per Ton	Relative Average Error per Ton	Median Error per Ton	Relative Median Error per Ton	Number of Days with Daily Average Temperature at 70° F. or Above
15	-0.0036	0.1%	0.0008	0.1%	34
16	-0.0070	-0.4%	-0.0035	-0.3%	34
17	-0.0046	0.4%	0.0044	0.3%	34
18	-0.0043	-0.1%	-0.0014	-0.1%	34

The remaining Protocol 9 statistics, the coefficient of alienation and Theil's U are measures that rely on customer level data and thus cannot be calculated for the difference of differences method.

7. CPPE Event Specific Results

CPPE 9/3/2007 Load Impacts Total									
					Uncertainty Adjusted Impact (kWh/hr)- Percentiles				
Hour Ending	Estimated Reference Load (mWh)	Actual Event Day Load (mWh)	Estimated Load Impact (mWh/hour)	Average Temperature (°F)	10th%ile	30th%ile	50th%ile	70th%ile	90th%ile
1	6.0	5.4	-0.6	0.0	-1.2	-0.9	-0.6	-0.2	0.0
2	5.8	5.4	-0.4	0.9	-0.9	-0.7	-0.4	0.0	0.2
3	5.7	5.5	-0.2	0.0	-0.7	-0.5	-0.2	0.1	0.3
4	5.6	5.4	-0.1	0.0	-0.6	-0.5	-0.1	0.2	0.4
5	5.5	5.4	-0.2	0.0	-0.7	-0.5	-0.2	0.1	0.3
6	5.5	5.4	-0.1	0.9	-0.6	-0.4	-0.1	0.1	0.3
7	5.4	5.4	-0.1	7.0	-0.4	-0.3	-0.1	0.1	0.3
8	5.7	5.5	-0.2	12.1	-0.4	-0.3	-0.2	0.0	0.1
9	5.8	5.7	-0.1	18.0	-0.3	-0.2	-0.1	0.0	0.1
10	5.9	5.9	0.0	24.0	0.0	0.0	0.0	0.0	0.0
11	5.5	5.8	0.4	27.9	0.0	0.2	0.4	0.5	0.7
12	5.0	5.7	0.7	23.1	0.2	0.4	0.7	1.0	1.2
13	5.0	5.7	0.7	21.1	0.2	0.4	0.7	1.0	1.2
14	4.9	5.6	0.7	20.0	0.2	0.4	0.7	1.0	1.2
15	4.8	3.6	-1.1	21.1	-1.6	-1.5	-1.1	-0.8	-0.6
16	4.8	2.7	-2.0	20.0	-2.5	-2.3	-2.0	-1.7	-1.5
17	4.9	2.7	-2.2	15.0	-2.6	-2.5	-2.2	-1.9	-1.7
18	5.0	2.7	-2.3	13.0	-2.8	-2.6	-2.3	-2.0	-1.8
19	5.3	2.8	-2.5	7.0	-3.1	-2.9	-2.5	-2.2	-2.0
20	5.8	5.0	-0.9	5.1	-1.5	-1.3	-0.9	-0.5	-0.2
21	6.2	5.6	-0.6	4.0	-1.2	-1.0	-0.6	-0.2	0.1
22	6.1	5.5	-0.6	2.0	-1.2	-1.0	-0.6	-0.3	0.0
23	6.1	5.3	-0.7	0.0	-1.3	-1.1	-0.7	-0.3	-0.1
24	5.8	5.1	-0.7	2.0	-1.2	-1.0	-0.7	-0.4	-0.2
	Energy Use (kWh)	Event Day Energy Use	Energy Use (kWh)	Degree Hours	Uncertainty Adjusted Impact (kWh/hour) - Percentiles				
					10th	30th	50th	70th	90th
Daily	132	119	-13	244.1	-24	-20	-13	-6	-2

CPPE 9/4/2007 Load Impacts Total									
					Uncertainty Adjusted Impact (kWh/hr)- Percentiles				
Hour Ending	Estimated Reference Load (mWh)	Actual Event Day Load (mWh)	Estimated Load Impact (mWh/hour)	Average Temperature (°F)	10th%ile	30th%ile	50th%ile	70th%ile	90th%ile
1	5.6	5.0	-0.6	0.0	-1.2	-0.9	-0.6	-0.2	0.0
2	5.5	4.8	-0.7	0.0	-1.3	-1.1	-0.7	-0.4	-0.2
3	5.6	4.9	-0.7	0.0	-1.2	-1.0	-0.7	-0.3	-0.1
4	5.4	5.0	-0.4	0.0	-0.9	-0.8	-0.4	-0.1	0.0
5	5.4	5.0	-0.4	0.0	-0.9	-0.7	-0.4	-0.1	0.0
6	5.4	5.0	-0.4	0.0	-0.9	-0.7	-0.4	-0.2	0.0
7	5.4	5.1	-0.3	5.1	-0.7	-0.5	-0.3	-0.1	0.0
8	5.6	5.4	-0.2	9.9	-0.5	-0.4	-0.2	-0.1	0.0
9	5.7	5.7	0.0	13.0	-0.2	-0.2	0.0	0.1	0.2
10	6.0	6.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0
11	5.7	6.0	0.3	14.1	0.0	0.1	0.3	0.5	0.6
12	5.3	5.4	0.1	13.0	-0.3	-0.1	0.1	0.4	0.6
13	5.3	5.0	-0.3	9.9	-0.8	-0.6	-0.3	0.0	0.2
14	5.3	2.7	-2.6	9.9	-3.1	-2.9	-2.6	-2.3	-2.1
15	5.3	2.3	-2.9	12.1	-3.4	-3.2	-2.9	-2.6	-2.4
16	5.3	2.2	-3.1	11.0	-3.6	-3.4	-3.1	-2.8	-2.6
17	5.4	2.4	-3.0	7.0	-3.4	-3.3	-3.0	-2.7	-2.5
18	5.4	2.8	-2.6	0.0	-3.1	-2.9	-2.6	-2.3	-2.2
19	5.6	2.6	-3.0	0.0	-3.5	-3.3	-3.0	-2.6	-2.4
20	6.0	3.7	-2.3	0.0	-2.9	-2.7	-2.3	-1.9	-1.6
21	6.4	5.7	-0.7	0.0	-1.3	-1.1	-0.7	-0.3	-0.1
22	6.3	6.2	-0.1	0.0	-0.7	-0.5	-0.1	0.2	0.4
23	6.3	6.0	-0.3	0.0	-0.9	-0.7	-0.3	0.1	0.3
24	6.1	6.1	0.0	0.0	-0.5	-0.3	0.0	0.3	0.5
	Energy Use (kWh)	Event Day Energy Use	Energy Use (kWh)	Degree Hours	Uncertainty Adjusted Impact (kWh/hour) - Percentiles				
					10th	30th	50th	70th	90th
Daily	135	111	-24	121.0	-35	-31	-24	-17	-13

CPPE 10/24/2007 Load Impacts Total									
Hour Ending	Estimated Reference Load (mWh)	Actual Event Day Load (mWh)	Estimated Load Impact (mWh/hour)	Weighted Average Temperature (°F)	Uncertainty Adjusted Impact (kWh/hr)- Percentiles				
					10th%ile	30th%ile	50th%ile	70th%ile	90th%ile
1	3.6	3.1	-0.5	0.0	-1.1	-0.9	-0.5	-0.1	0.1
2	3.4	3.0	-0.4	0.0	-1.0	-0.8	-0.4	0.0	0.2
3	3.3	3.0	-0.3	0.0	-0.9	-0.7	-0.3	0.0	0.2
4	3.3	2.9	-0.4	0.0	-0.9	-0.7	-0.4	0.0	0.2
5	3.3	2.9	-0.3	0.0	-0.8	-0.6	-0.3	0.0	0.2
6	3.4	3.0	-0.4	0.0	-0.8	-0.7	-0.4	-0.1	0.0
7	3.5	3.2	-0.4	0.0	-0.8	-0.6	-0.4	-0.2	0.0
8	3.7	3.6	-0.1	7.0	-0.4	-0.3	-0.1	0.0	0.2
9	3.7	3.9	0.2	13.0	0.0	0.1	0.2	0.3	0.4
10	3.6	3.6	0.0	16.9	0.0	0.0	0.0	0.0	0.0
11	3.7	1.7	-2.0	18.0	-2.3	-2.2	-2.0	-1.8	-1.7
12	3.4	1.3	-2.1	21.1	-2.6	-2.4	-2.1	-1.8	-1.6
13	3.4	1.2	-2.2	16.9	-2.7	-2.5	-2.2	-1.9	-1.7
14	3.5	1.2	-2.2	15.0	-2.8	-2.6	-2.2	-1.9	-1.7
15	3.4	1.1	-2.3	15.0	-2.8	-2.6	-2.3	-1.9	-1.7
16	3.3	2.1	-1.2	7.9	-1.7	-1.5	-1.2	-0.9	-0.7
17	3.2	2.7	-0.5	3.1	-0.9	-0.8	-0.5	-0.2	0.0
18	2.8	2.8	0.0	0.0	-0.5	-0.3	0.0	0.3	0.5
19	2.8	2.8	0.0	0.0	-0.5	-0.3	0.0	0.3	0.6
20	2.8	2.8	0.1	0.0	-0.6	-0.3	0.1	0.5	0.7
21	3.0	3.1	0.1	0.0	-0.5	-0.3	0.1	0.6	0.8
22	3.0	3.1	0.1	0.0	-0.5	-0.3	0.1	0.5	0.7
23	2.9	3.1	0.2	0.0	-0.4	-0.2	0.2	0.6	0.9
24	3.2	3.2	0.0	0.0	-0.5	-0.3	0.0	0.4	0.6
	Energy Use (kWh)	Event Day Energy Use	Energy Use (kWh)	Degree Hours	Uncertainty Adjusted Impact (kWh/hour) - Percentiles				
					10th	30th	50th	70th	90th
Daily	79	65	-15	133.9	-26	-22	-15	-7	-3

CPPE 9/3/2007 Load Impacts per Customer									
					Uncertainty Adjusted Impact (kWh/hr)- Percentiles				
Hour Ending	Estimated Reference Load (mWh)	Actual Event Day Load (mWh)	Estimated Load Impact (mWh/hour)	Weighted Average Temperature (°F)	10th%ile	30th%ile	50th%ile	70th%ile	90th%ile
1	0.6	0.5	-0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0
2	0.6	0.5	0.0	0.9	-0.1	-0.1	0.0	0.0	0.0
3	0.6	0.5	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
4	0.6	0.5	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
5	0.6	0.5	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
6	0.5	0.5	0.0	0.9	-0.1	0.0	0.0	0.0	0.0
7	0.5	0.5	0.0	7.0	0.0	0.0	0.0	0.0	0.0
8	0.6	0.5	0.0	12.1	0.0	0.0	0.0	0.0	0.0
9	0.6	0.6	0.0	18.0	0.0	0.0	0.0	0.0	0.0
10	0.6	0.6	0.0	24.0	0.0	0.0	0.0	0.0	0.0
11	0.5	0.6	0.0	27.9	0.0	0.0	0.0	0.1	0.1
12	0.5	0.6	0.1	23.1	0.0	0.0	0.1	0.1	0.1
13	0.5	0.6	0.1	21.1	0.0	0.0	0.1	0.1	0.1
14	0.5	0.6	0.1	20.0	0.0	0.0	0.1	0.1	0.1
15	0.5	0.4	-0.1	21.1	-0.2	-0.1	-0.1	-0.1	-0.1
16	0.5	0.3	-0.2	20.0	-0.3	-0.2	-0.2	-0.2	-0.2
17	0.5	0.3	-0.2	15.0	-0.3	-0.2	-0.2	-0.2	-0.2
18	0.5	0.3	-0.2	13.0	-0.3	-0.3	-0.2	-0.2	-0.2
19	0.5	0.3	-0.3	7.0	-0.3	-0.3	-0.3	-0.2	-0.2
20	0.6	0.5	-0.1	5.1	-0.2	-0.1	-0.1	0.0	0.0
21	0.6	0.6	-0.1	4.0	-0.1	-0.1	-0.1	0.0	0.0
22	0.6	0.5	-0.1	2.0	-0.1	-0.1	-0.1	0.0	0.0
23	0.6	0.5	-0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0
24	0.6	0.5	-0.1	2.0	-0.1	-0.1	-0.1	0.0	0.0
	Energy Use (kWh)	Event Day Energy Use	Energy Use (kWh)	Cooling Degree Hours (Base 75 °F)	Uncertainty Adjusted Impact (kWh/hour) - Percentiles				
					10th	30th	50th	70th	90th
Daily	13	12	-1	244.1	-2	-2	-1	-1	0

CPPE 9/4/2007 Load Impacts per Customer									
					Uncertainty Adjusted Impact (kWh/hr)- Percentiles				
Hour Ending	Estimated Reference Load (mWh)	Actual Event Day Load (mWh)	Estimated Load Impact (mWh/hour)	Weighted Average Temperature (°F)	10th%ile	30th%ile	50th%ile	70th%ile	90th%ile
1	0.6	0.5	-0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0
2	0.6	0.5	-0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0
3	0.6	0.5	-0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0
4	0.5	0.5	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
5	0.5	0.5	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
6	0.5	0.5	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
7	0.5	0.5	0.0	5.1	-0.1	-0.1	0.0	0.0	0.0
8	0.6	0.5	0.0	9.9	-0.1	0.0	0.0	0.0	0.0
9	0.6	0.6	0.0	13.0	0.0	0.0	0.0	0.0	0.0
10	0.6	0.6	0.0	16.0	0.0	0.0	0.0	0.0	0.0
11	0.6	0.6	0.0	14.1	0.0	0.0	0.0	0.1	0.1
12	0.5	0.5	0.0	13.0	0.0	0.0	0.0	0.0	0.1
13	0.5	0.5	0.0	9.9	-0.1	-0.1	0.0	0.0	0.0
14	0.5	0.3	-0.3	9.9	-0.3	-0.3	-0.3	-0.2	-0.2
15	0.5	0.2	-0.3	12.1	-0.3	-0.3	-0.3	-0.3	-0.2
16	0.5	0.2	-0.3	11.0	-0.4	-0.3	-0.3	-0.3	-0.3
17	0.5	0.2	-0.3	7.0	-0.3	-0.3	-0.3	-0.3	-0.3
18	0.5	0.3	-0.3	0.0	-0.3	-0.3	-0.3	-0.2	-0.2
19	0.6	0.3	-0.3	0.0	-0.3	-0.3	-0.3	-0.3	-0.2
20	0.6	0.4	-0.2	0.0	-0.3	-0.3	-0.2	-0.2	-0.2
21	0.6	0.6	-0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0
22	0.6	0.6	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
23	0.6	0.6	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
24	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	Energy Use (kWh)	Event Day Energy Use	Energy Use (kWh)	Cooling Degree Hours (Base 75 °F)	Uncertainty Adjusted Impact (kWh/hour) - Percentiles				
					10th	30th	50th	70th	90th
Daily	14	11	-2	121.0	-4	-3	-2	-2	-1

CPPE 10/24/2007 Load Impacts per Customer									
					Uncertainty Adjusted Impact (kWh/hr)- Percentiles				
Hour Ending	Estimated Reference Load (mWh)	Actual Event Day Load (mWh)	Estimated Load Impact (mWh/hour)	Weighted Average Temperature (°F)	10th%ile	30th%ile	50th%ile	70th%ile	90th%ile
1	0.4	0.3	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
2	0.3	0.3	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
3	0.3	0.3	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
4	0.3	0.3	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
5	0.3	0.3	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
6	0.3	0.3	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
7	0.4	0.3	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
8	0.4	0.4	0.0	7.0	0.0	0.0	0.0	0.0	0.0
9	0.4	0.4	0.0	13.0	0.0	0.0	0.0	0.0	0.0
10	0.4	0.4	0.0	16.9	0.0	0.0	0.0	0.0	0.0
11	0.4	0.2	-0.2	18.0	-0.2	-0.2	-0.2	-0.2	-0.2
12	0.3	0.1	-0.2	21.1	-0.3	-0.2	-0.2	-0.2	-0.2
13	0.3	0.1	-0.2	16.9	-0.3	-0.3	-0.2	-0.2	-0.2
14	0.3	0.1	-0.2	15.0	-0.3	-0.3	-0.2	-0.2	-0.2
15	0.3	0.1	-0.2	15.0	-0.3	-0.3	-0.2	-0.2	-0.2
16	0.3	0.2	-0.1	7.9	-0.2	-0.2	-0.1	-0.1	-0.1
17	0.3	0.3	0.0	3.1	-0.1	-0.1	0.0	0.0	0.0
18	0.3	0.3	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
19	0.3	0.3	0.0	0.0	-0.1	0.0	0.0	0.0	0.1
20	0.3	0.3	0.0	0.0	-0.1	0.0	0.0	0.0	0.1
21	0.3	0.3	0.0	0.0	-0.1	0.0	0.0	0.1	0.1
22	0.3	0.3	0.0	0.0	-0.1	0.0	0.0	0.0	0.1
23	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.1
24	0.3	0.3	0.0	0.0	-0.1	0.0	0.0	0.0	0.1
	Energy Use (kWh)	Event Day Energy Use	Energy Use (kWh)	Cooling Degree Hours (Base 75 °F)	Uncertainty Adjusted Impact (kWh/hour) - Percentiles				
					10th	30th	50th	70th	90th
Daily	8	6	-1	133.9	-3	-2	-1	-1	0

8. CPPE Goodness of Fit Statistics

CBP Regression Variables	
Variable Name	Description
intercept	A weighted average of the cooling degree 65 for the event days and 3 days prior to the event day
g10	total load from 9am to 10am
mon	indicator variable 1 if the date is a Monday 0 otherwise
tue	indicator variables 1 if the date is a Tuesday or 0 otherwise
wed	indicator variable 1 if the day is a Tuesday 0 otherwise
fri	indicator variable 1 if the day is a Tuesday 0 otherwise
event0903	indicator variable 1 if the date is 09/03/07 0 otherwise
event0904	indicator variable 1 if the date is 09/04/2007 0 otherwise
event1024	total load for each CBP type for the hour ending

The REG Procedure
Model: MODEL1
Dependent Variable: g1

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	56466751	7058344	66.18	<.0001
Error	78	8318695	106650		
Corrected Total	86	64785446			

Root MSE	326.57302	R-Square	0.8716
Dependent Mean	4512.37724	Adj R-Sq	0.8584
Coeff Var	7.23727		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-162.87348	341.19988	-0.48	0.6344
g10	1	1.03798	0.06943	14.95	<.0001
event0903	1	-588.22445	345.05747	-1.70	0.0922
event0904	1	-593.25459	341.78018	-1.74	0.0866
event1024	1	-496.34375	353.63980	-1.40	0.1644
mon	1	-557.68650	124.47710	-4.48	<.0001
tue	1	-444.72892	114.10221	-3.90	0.0002
wed	1	-35.31726	117.60806	-0.30	0.7648
fri	1	14.16184	114.10589	0.12	0.9015

The REG Procedure
Model: MODEL1
Dependent Variable: g2

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	57316731	7164591	70.80	<.0001
Error	78	7892687	101188		
Corrected Total	86	65209418			

Root MSE	318.10108	R-Square	0.8790
Dependent Mean	4323.65138	Adj R-Sq	0.8666
Coeff Var	7.35723		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-429.93006	332.34849	-1.29	0.1996
g10	1	1.04668	0.06763	15.48	<.0001
event0903	1	-382.96219	336.10600	-1.14	0.2580
event0904	1	-706.59000	332.91374	-2.12	0.0370
event1024	1	-398.99252	344.46569	-1.16	0.2503
mon	1	-529.30421	121.24792	-4.37	<.0001
tue	1	-312.95974	111.14217	-2.82	0.0062
wed	1	-35.50193	114.55708	-0.31	0.7575
fri	1	26.14744	111.14576	0.24	0.8146

The REG Procedure
Model: MODEL1
Dependent Variable: g3

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	58588439	7323555	78.37	<.0001
Error	78	7288923	93448		
Corrected Total	86	65877362			

Root MSE	305.69221	R-Square	0.8894
Dependent Mean	4273.23954	Adj R-Sq	0.8780
Coeff Var	7.15364		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-529.42011	319.38384	-1.66	0.1014
g10	1	1.04612	0.06499	16.10	<.0001
event0903	1	-189.53665	322.99477	-0.59	0.5590
event0904	1	-679.76863	319.92704	-2.12	0.0368
event1024	1	-338.83137	331.02836	-1.02	0.3092
mon	1	-498.45106	116.51814	-4.28	<.0001
tue	1	-185.04935	106.80661	-1.73	0.0871
wed	1	8.26852	110.08830	0.08	0.9403
fri	1	64.27336	106.81005	0.60	0.5491

The REG Procedure
Model: MODEL1
Dependent Variable: g4

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	57982116	7247765	89.63	<.0001
Error	78	6307670	80868		
Corrected Total	86	64289787			

Root MSE	284.37223	R-Square	0.9019
Dependent Mean	4212.97218	Adj R-Sq	0.8918
Coeff Var	6.74992		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-534.99897	297.10896	-1.80	0.0756
g10	1	1.03179	0.06046	17.07	<.0001
event0903	1	-142.58147	300.46806	-0.47	0.6364
event0904	1	-449.29352	297.61428	-1.51	0.1352
event1024	1	-356.05039	307.94136	-1.16	0.2511
mon	1	-495.02590	108.39178	-4.57	<.0001
tue	1	-199.35545	99.35756	-2.01	0.0483
wed	1	43.44602	102.41038	0.42	0.6726
fri	1	91.69135	99.36077	0.92	0.3590

The REG Procedure
Model: MODEL1
Dependent Variable: g5

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	55205091	6900636	95.75	<.0001
Error	78	5621437	72070		
Corrected Total	86	60826528			

Root MSE	268.45800	R-Square	0.9076
Dependent Mean	4205.35264	Adj R-Sq	0.8981
Coeff Var	6.38372		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-543.34966	280.48195	-1.94	0.0563
g10	1	1.03060	0.05707	18.06	<.0001
event0903	1	-193.57171	283.65306	-0.68	0.4970
event0904	1	-421.23877	280.95899	-1.50	0.1378
event1024	1	-314.50100	290.70813	-1.08	0.2827
mon	1	-439.94788	102.32589	-4.30	<.0001
tue	1	-222.13157	93.79725	-2.37	0.0204
wed	1	35.00334	96.67922	0.36	0.7183
fri	1	100.71891	93.80027	1.07	0.2862

The REG Procedure
Model: MODEL1
Dependent Variable: g6

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	52727810	6590976	109.09	<.0001
Error	78	4712649	60419		
Corrected Total	86	57440459			

Root MSE	245.80189	R-Square	0.9180
Dependent Mean	4248.55494	Adj R-Sq	0.9095
Coeff Var	5.78554		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-154.74613	256.81110	-0.60	0.5485
g10	1	0.95687	0.05226	18.31	<.0001
event0903	1	-128.35181	259.71459	-0.49	0.6226
event0904	1	-449.81527	257.24788	-1.75	0.0843
event1024	1	-400.34641	266.17426	-1.50	0.1366
mon	1	-503.93182	93.69025	-5.38	<.0001
tue	1	-160.23227	85.88137	-1.87	0.0658
wed	1	84.02536	88.52012	0.95	0.3454
fri	1	66.45674	85.88414	0.77	0.4414

The REG Procedure
Model: MODEL1
Dependent Variable: g7

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	46695983	5836998	142.41	<.0001
Error	78	3197000	40987		
Corrected Total	86	49892983			

Root MSE	202.45292	R-Square	0.9359
Dependent Mean	4293.29609	Adj R-Sq	0.9294
Coeff Var	4.71556		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	121.83325	211.52056	0.58	0.5663
g10	1	0.89925	0.04304	20.89	<.0001
event0903	1	-84.48979	213.91201	-0.39	0.6939
event0904	1	-305.08195	211.88032	-1.44	0.1539
event1024	1	-394.75626	219.23246	-1.80	0.0756
mon	1	-419.03769	77.16728	-5.43	<.0001
tue	1	-108.46197	70.73556	-1.53	0.1292
wed	1	145.00305	72.90894	1.99	0.0502
fri	1	59.77453	70.73784	0.85	0.4007

The REG Procedure
Model: MODEL1
Dependent Variable: g8

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	42799646	5349956	213.96	<.0001
Error	78	1950369	25005		
Corrected Total	86	44750015			

Root MSE	158.12885	R-Square	0.9564
Dependent Mean	4541.25529	Adj R-Sq	0.9519
Coeff Var	3.48205		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	244.97874	165.21128	1.48	0.1422
g10	1	0.91557	0.03362	27.23	<.0001
event0903	1	-164.97969	167.07915	-0.99	0.3265
event0904	1	-248.37397	165.49226	-1.50	0.1374
event1024	1	-133.96748	171.23477	-0.78	0.4364
mon	1	-279.89519	60.27265	-4.64	<.0001
tue	1	-92.87855	55.24906	-1.68	0.0967
wed	1	139.19855	56.94661	2.44	0.0168
fri	1	140.49859	55.25084	2.54	0.0130

The REG Procedure
Model: MODEL1
Dependent Variable: g9

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	40903956	5112995	403.93	<.0001
Error	78	987322	12658		
Corrected Total	86	41891279			

Root MSE	112.50769	R-Square	0.9764
Dependent Mean	4644.83184	Adj R-Sq	0.9740
Coeff Var	2.42221		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	162.41687	117.54679	1.38	0.1710
g10	1	0.95321	0.02392	39.85	<.0001
event0903	1	-84.27361	118.87577	-0.71	0.4805
event0904	1	-30.64058	117.74671	-0.26	0.7954
event1024	1	178.96386	121.83247	1.47	0.1459
mon	1	-156.94121	42.88361	-3.66	0.0005
tue	1	-124.15595	39.30936	-3.16	0.0023
wed	1	73.24439	40.51716	1.81	0.0745
fri	1	124.11410	39.31063	3.16	0.0023

The REG Procedure
Model: MODEL1
Dependent Variable: g11

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	40415861	5051983	156.68	<.0001
Error	78	2515059	32244		
Corrected Total	86	42930920			

Root MSE	179.56711	R-Square	0.9414
Dependent Mean	4520.48552	Adj R-Sq	0.9354
Coeff Var	3.97230		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	763.08303	187.60973	4.07	0.0001
g10	1	0.79594	0.03818	20.85	<.0001
event0903	1	350.37180	189.73084	1.85	0.0686
event0904	1	317.30946	187.92881	1.69	0.0953
event1024	1	-1981.55750	194.44986	-10.19	<.0001
mon	1	-24.92721	68.44409	-0.36	0.7167
tue	1	165.42606	62.73943	2.64	0.0101
wed	1	53.88643	64.66713	0.83	0.4072
fri	1	-125.31872	62.74145	-2.00	0.0493

The REG Procedure
Model: MODEL1
Dependent Variable: g12

Number of Observations Read 87
Number of Observations Used 87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	36904657	4613082	62.76	<.0001
Error	78	5733218	73503		
Corrected Total	86	42637874			

Root MSE	271.11398	R-Square	0.8655
Dependent Mean	4143.40333	Adj R-Sq	0.8517
Coeff Var	6.54327		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	709.30846	283.25689	2.50	0.0144
g10	1	0.71987	0.05764	12.49	<.0001
event0903	1	718.21113	286.45937	2.51	0.0142
event0904	1	147.91063	283.73865	0.52	0.6036
event1024	1	-2097.77523	293.58424	-7.15	<.0001
mon	1	87.79638	103.33825	0.85	0.3981
tue	1	278.17086	94.72523	2.94	0.0044
wed	1	63.94378	97.63571	0.65	0.5144
fri	1	-189.19586	94.72828	-2.00	0.0493

The REG Procedure
Model: MODEL1
Dependent Variable: g13

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	36089165	4511146	56.73	<.0001
Error	78	6202007	79513		
Corrected Total	86	42291172			

Root MSE	281.98033	R-Square	0.8533
Dependent Mean	4176.80851	Adj R-Sq	0.8383
Coeff Var	6.75110		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	744.25019	294.60993	2.53	0.0136
g10	1	0.71709	0.05995	11.96	<.0001
event0903	1	691.41659	297.94077	2.32	0.0229
event0904	1	-288.40985	295.11100	-0.98	0.3314
event1024	1	-2230.97100	305.35121	-7.31	<.0001
mon	1	159.70435	107.48008	1.49	0.1413
tue	1	296.01640	98.52185	3.00	0.0036
wed	1	83.60748	101.54899	0.82	0.4128
fri	1	-205.33159	98.52503	-2.08	0.0404

The REG Procedure
Model: MODEL1
Dependent Variable: g14

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	35610905	4451363	52.04	<.0001
Error	78	6671622	85534		
Corrected Total	86	42282527			

Root MSE	292.46131	R-Square	0.8422
Dependent Mean	4150.52575	Adj R-Sq	0.8260
Coeff Var	7.04637		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	883.92756	305.56034	2.89	0.0049
g10	1	0.68296	0.06218	10.98	<.0001
event0903	1	680.12032	309.01499	2.20	0.0307
event0904	1	-2582.07624	306.08003	-8.44	<.0001
event1024	1	-2242.12536	316.70087	-7.08	<.0001
mon	1	242.10611	111.47503	2.17	0.0329
tue	1	332.95660	102.18383	3.26	0.0017
wed	1	112.42290	105.32348	1.07	0.2891
fri	1	-244.38423	102.18712	-2.39	0.0192

The REG Procedure
Model: MODEL1
Dependent Variable: g15

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	34965053	4370632	51.92	<.0001
Error	78	6565936	84179		
Corrected Total	86	41530989			

Root MSE	290.13561	R-Square	0.8419
Dependent Mean	4035.37425	Adj R-Sq	0.8257
Coeff Var	7.18981		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	909.33119	303.13047	3.00	0.0036
g10	1	0.65449	0.06168	10.61	<.0001
event0903	1	-1132.48881	306.55765	-3.69	0.0004
event0904	1	-2921.18385	303.64603	-9.62	<.0001
event1024	1	-2255.30916	314.18241	-7.18	<.0001
mon	1	287.98618	110.58856	2.60	0.0110
tue	1	434.49824	101.37124	4.29	<.0001
wed	1	90.98113	104.48593	0.87	0.3866
fri	1	-280.43379	101.37451	-2.77	0.0071

The REG Procedure
Model: MODEL1
Dependent Variable: g16

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	34039425	4254928	52.91	<.0001
Error	78	6272206	80413		
Corrected Total	86	40311631			

Root MSE	283.57167	R-Square	0.8444
Dependent Mean	4012.31632	Adj R-Sq	0.8284
Coeff Var	7.06753		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	784.60136	296.27254	2.65	0.0098
g10	1	0.67302	0.06029	11.16	<.0001
event0903	1	-2014.92274	299.62218	-6.72	<.0001
event0904	1	-3106.09920	296.77643	-10.47	<.0001
event1024	1	-1203.12172	307.07444	-3.92	0.0002
mon	1	329.97338	108.08664	3.05	0.0031
tue	1	488.98776	99.07785	4.94	<.0001
wed	1	85.11282	102.12207	0.83	0.4071
fri	1	-300.83697	99.08105	-3.04	0.0033

The REG Procedure
Model: MODEL1
Dependent Variable: g17

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	34763455	4345432	64.67	<.0001
Error	78	5241449	67198		
Corrected Total	86	40004904			

Root MSE	259.22590	R-Square	0.8690
Dependent Mean	4030.47966	Adj R-Sq	0.8555
Coeff Var	6.43164		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	253.25389	270.83635	0.94	0.3526
g10	1	0.78593	0.05511	14.26	<.0001
event0903	1	-2193.05148	273.89841	-8.01	<.0001
event0904	1	-2986.53175	271.29698	-11.01	<.0001
event1024	1	-481.96605	280.71086	-1.72	0.0900
mon	1	524.31357	98.80696	5.31	<.0001
tue	1	406.34065	90.57162	4.49	<.0001
wed	1	38.37040	93.35448	0.41	0.6822
fri	1	-315.28845	90.57454	-3.48	0.0008

The REG Procedure
Model: MODEL1
Dependent Variable: g18

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	37804466	4725558	61.77	<.0001
Error	78	5967242	76503		
Corrected Total	86	43771707			

Root MSE	276.59193	R-Square	0.8637
Dependent Mean	3955.58874	Adj R-Sq	0.8497
Coeff Var	6.99243		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-565.14809	288.98019	-1.96	0.0541
g10	1	0.93861	0.05880	15.96	<.0001
event0903	1	-2267.86273	292.24738	-7.76	<.0001
event0904	1	-2632.49311	289.47168	-9.09	<.0001
event1024	1	-8.10413	299.51621	-0.03	0.9785
mon	1	696.39389	105.42623	6.61	<.0001
tue	1	325.84381	96.63918	3.37	0.0012
wed	1	-18.03891	99.60847	-0.18	0.8568
fri	1	-273.15325	96.64230	-2.83	0.0060

The REG Procedure
Model: MODEL1
Dependent Variable: g19

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	42415799	5301975	57.52	<.0001
Error	78	7189146	92169		
Corrected Total	86	49604945			

Root MSE	303.59273	R-Square	0.8551
Dependent Mean	4109.03862	Adj R-Sq	0.8402
Coeff Var	7.38841		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-1043.87974	317.19032	-3.29	0.0015
g10	1	1.07706	0.06454	16.69	<.0001
event0903	1	-2541.72578	320.77645	-7.92	<.0001
event0904	1	-2967.68422	317.72979	-9.34	<.0001
event1024	1	6.39274	328.75486	0.02	0.9845
mon	1	784.75068	115.71790	6.78	<.0001
tue	1	141.61998	106.07306	1.34	0.1857
wed	1	-73.70161	109.33221	-0.67	0.5022
fri	1	-185.19501	106.07648	-1.75	0.0848

The REG Procedure
Model: MODEL1
Dependent Variable: g20

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	51691867	6461483	46.75	<.0001
Error	78	10779621	138200		
Corrected Total	86	62471488			

Root MSE	371.75296	R-Square	0.8274
Dependent Mean	4387.92115	Adj R-Sq	0.8097
Coeff Var	8.47219		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-1784.66896	388.40338	-4.59	<.0001
g10	1	1.28729	0.07903	16.29	<.0001
event0903	1	-860.94154	392.79465	-2.19	0.0314
event0904	1	-2296.89283	389.06397	-5.90	<.0001
event1024	1	74.10205	402.56431	0.18	0.8544
mon	1	978.12045	141.69796	6.90	<.0001
tue	1	39.11990	129.88775	0.30	0.7641
wed	1	-155.93146	133.87862	-1.16	0.2477
fri	1	-190.20996	129.89194	-1.46	0.1471

The REG Procedure
Model: MODEL1
Dependent Variable: g21

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	55236003	6904500	49.88	<.0001
Error	78	10797859	138434		
Corrected Total	86	66033862			

Root MSE	372.06732	R-Square	0.8365
Dependent Mean	4728.17310	Adj R-Sq	0.8197
Coeff Var	7.86916		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-1591.27265	388.73182	-4.09	0.0001
g10	1	1.32023	0.07910	16.69	<.0001
event0903	1	-595.31592	393.12680	-1.51	0.1340
event0904	1	-701.19091	389.39297	-1.80	0.0756
event1024	1	136.29151	402.90472	0.34	0.7361
mon	1	973.91678	141.81778	6.87	<.0001
tue	1	52.03130	129.99758	0.40	0.6901
wed	1	-275.61661	133.99183	-2.06	0.0430
fri	1	-237.35632	130.00177	-1.83	0.0717

The REG Procedure
Model: MODEL1
Dependent Variable: g22

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	54780699	6847587	60.63	<.0001
Error	78	8809352	112940		
Corrected Total	86	63590052			

Root MSE	336.06608	R-Square	0.8615
Dependent Mean	4715.12230	Adj R-Sq	0.8473
Coeff Var	7.12741		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-1389.50619	351.11812	-3.96	0.0002
g10	1	1.26892	0.07145	17.76	<.0001
event0903	1	-625.73054	355.08785	-1.76	0.0820
event0904	1	-140.86516	351.71530	-0.40	0.6899
event1024	1	99.10018	363.91965	0.27	0.7861
mon	1	1020.37690	128.09549	7.97	<.0001
tue	1	116.84099	117.41901	1.00	0.3228
wed	1	-235.70545	121.02678	-1.95	0.0551
fri	1	-281.24735	117.42280	-2.40	0.0190

The REG Procedure
Model: MODEL1
Dependent Variable: g23

Number of Observations Read	87
Number of Observations Used	87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	55896850	6987106	54.43	<.0001
Error	78	10013285	128375		
Corrected Total	86	65910135			

Root MSE	358.29519	R-Square	0.8481
Dependent Mean	4658.96471	Adj R-Sq	0.8325
Coeff Var	7.69045		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-1614.44043	374.34285	-4.31	<.0001
g10	1	1.29756	0.07617	17.03	<.0001
event0903	1	-717.79137	378.57515	-1.90	0.0617
event0904	1	-294.01358	374.97952	-0.78	0.4354
event1024	1	210.48085	387.99114	0.54	0.5890
mon	1	1115.16455	136.56838	8.17	<.0001
tue	1	158.20200	125.18570	1.26	0.2101
wed	1	-239.88322	129.03210	-1.86	0.0668
fri	1	-235.83450	125.18974	-1.88	0.0633

The REG Procedure
Model: MODEL1
Dependent Variable: g24

Number of Observations Read 87
Number of Observations Used 87

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	44731031	5591379	63.91	<.0001
Error	78	6823628	87482		
Corrected Total	86	51554659			

Root MSE	295.77426	R-Square	0.8676
Dependent Mean	4649.76287	Adj R-Sq	0.8541
Coeff Var	6.36106		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-662.12280	309.02167	-2.14	0.0353
g10	1	1.08925	0.06288	17.32	<.0001
event0903	1	-683.99491	312.51545	-2.19	0.0316
event0904	1	15.73906	309.54725	0.05	0.9596
event1024	1	25.32504	320.28839	0.08	0.9372
mon	1	1022.21561	112.73780	9.07	<.0001
tue	1	252.39015	103.34135	2.44	0.0169
wed	1	-110.30968	106.51656	-1.04	0.3036
fri	1	-270.17297	103.34468	-2.61	0.0107

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h1

Number of Observations Read 65
Number of Observations Used 65

Analysis of Variance

Sum of Mean

Source	DF	Squares	Square	F Value	Pr > F
Model	3	37100	12367	4.83	0.0044
Error	61	156060	2558.35692		
Corrected Total	64	193160			

Root MSE	50.58020	R-Square	0.1921
Dependent Mean	1890.91892	Adj R-Sq	0.1523
Coeff Var	2.67490		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1062.94746	235.79137	4.51	<.0001
fri	1	50.16239	17.44096	2.88	0.0055
h12	1	0.41585	0.11905	3.49	0.0009
event0904	1	-44.88507	52.52302	-0.85	0.3961

9. BIP Load Impact Tables

BIP Load Impact 9/04/2007									
Hour Ending	Estimated Reference Load (mWh)	Event Day Load (mWh)	Estimated Load Impact (mWh/hour)	Temp (oF)	Uncertainty Adjusted Impact (kWh/hr)- Percentiles				
					10th%ile	30th%ile	50th%ile	70th%ile	90th%ile
1	2.0	1.9	-0.1	73.9	-0.2	-0.2	-0.1	0.0	0.1
2	1.9	1.9	-0.1	73.0	-0.2	-0.1	-0.1	0.0	0.1
3	1.9	1.9	-0.1	73.0	-0.2	-0.1	-0.1	0.0	0.1
4	1.9	1.9	-0.1	73.0	-0.2	-0.2	-0.1	0.0	0.1
5	1.9	1.9	0.0	72.0	-0.2	-0.1	0.0	0.0	0.1
6	1.9	1.9	-0.1	73.0	-0.2	-0.1	-0.1	0.0	0.1
7	1.9	1.9	0.0	80.1	-0.2	-0.1	0.0	0.1	0.1
8	2.1	2.1	0.0	84.9	-0.2	-0.1	0.0	0.1	0.1
9	2.2	2.2	0.0	88.0	-0.1	-0.1	0.0	0.1	0.1
10	2.2	2.2	0.0	91.0	-0.1	-0.1	0.0	0.0	0.1
11	2.3	2.3	0.0	89.1	-0.1	-0.1	0.0	0.1	0.1
12	2.3	2.2	-0.1	88.0	-0.2	-0.1	-0.1	0.0	0.1
13	3.2	2.4	-0.8	84.9	-0.9	-0.8	-0.8	-0.7	-0.6
14	3.7	1.7	-2.0	84.9	-2.1	-2.0	-2.0	-1.9	-1.8
15	2.3	0.2	-2.1	87.1	-2.2	-2.2	-2.1	-2.0	-2.0
16	2.2	0.2	-2.0	86.0	-2.1	-2.1	-2.0	-1.9	-1.9
17	2.2	0.2	-2.0	82.0	-2.1	-2.0	-2.0	-1.9	-1.8
18	2.4	0.4	-1.9	75.0	-2.1	-2.0	-1.9	-1.9	-1.8
19	2.3	0.4	-1.9	72.0	-2.0	-2.0	-1.9	-1.8	-1.8
20	2.3	0.4	-1.9	70.0	-2.0	-2.0	-1.9	-1.8	-1.8
21	2.3	0.4	-1.9	70.0	-2.0	-2.0	-1.9	-1.8	-1.8
22	2.1	0.2	-1.9	69.1	-2.0	-2.0	-1.9	-1.8	-1.7
23	2.1	1.2	-0.9	68.0	-1.0	-1.0	-0.9	-0.8	-0.7
24	2.0	2.0	0.0	75.0	-0.2	-0.1	0.0	0.0	0.1
	Reference Energy Use (kWh)	Event Day Energy Use (kWh)	Change in Energy Use (kWh)	Degree Hours (Base 75 oF)	Uncertainty Adjusted Impact (kWh/hour) - Percentiles				
					10th	30th	50th	70th	90th
Daily	53	34	-20	121.0	-23	-22	-20	-18	-16

10. Goodness of Fit Statistics for BIP program analysis

BIP Regression Variables	
Variable Name	Description
intercept	intercept
h12	total load from 11am to 12pm
event0904	1 if the date is 09/04/2007 0 otherwise
h1-h24	total load for hour ending

BIP goodness of fit results hour 1 382
16:41 Monday, September 8, 2008

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h1

Number of Observations Read 65
Number of Observations Used 65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1969.39800	656.46600	0.30	0.8264
Error	61	134185	2199.75310		
Corrected Total	64	136154			

Root MSE	46.90153	R-Square	0.0145
Dependent Mean	28.05046	Adj R-Sq	-0.0340

Coeff Var 167.20411

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	46.81574	23.32452	2.01	0.0492
fri	1	-2.94058	14.93327	-0.20	0.8445
h12	1	-0.13639	0.16617	-0.82	0.4150
event0904	1	-27.35478	47.76012	-0.57	0.5689

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h2

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	33824	11275	4.27	0.0084
Error	61	161228	2643.08950		
Corrected Total	64	195053			

Root MSE	51.41099	R-Square	0.1734
Dependent Mean	1887.58554	Adj R-Sq	0.1328
Coeff Var	2.72364		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1134.04767	239.66426	4.73	<.0001
fri	1	51.89966	17.72743	2.93	0.0048
h12	1	0.37778	0.12101	3.12	0.0027
event0904	1	-34.61455	53.38572	-0.65	0.5192

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h2

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	2572.57604	857.52535	0.72	0.5446
Error	61	72773	1193.00437		
Corrected Total	64	75346			

Root MSE	34.53990	R-Square	0.0341
Dependent Mean	17.56554	Adj R-Sq	-0.0134
Coeff Var	196.63442		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	35.76313	17.17698	2.08	0.0415
fri	1	-13.71835	10.99738	-1.25	0.2170
h12	1	-0.11652	0.12237	-0.95	0.3448
event0904	1	-18.47983	35.17219	-0.53	0.6012

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h3

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	30444	10148	3.96	0.0120
Error	61	156208	2560.79462		
Corrected Total	64	186653			

Root MSE	50.60429	R-Square	0.1631
Dependent Mean	1885.63569	Adj R-Sq	0.1219
Coeff Var	2.68367		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1148.69453	235.90368	4.87	<.0001
fri	1	47.07133	17.44927	2.70	0.0090
h12	1	0.36983	0.11911	3.10	0.0029
event0904	1	-32.72400	52.54804	-0.62	0.5358

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h3

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	3546.72698	1182.24233	0.96	0.4181
Error	61	75225	1233.19056		
Corrected Total	64	78771			

Root MSE	35.11681	R-Square	0.0450
Dependent Mean	16.52800	Adj R-Sq	-0.0019
Coeff Var	212.46862		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	37.36832	17.46389	2.14	0.0364
fri	1	-16.62848	11.18106	-1.49	0.1421
h12	1	-0.13235	0.12442	-1.06	0.2916
event0904	1	-18.46117	35.75967	-0.52	0.6075

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h4

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	35008	11669	4.37	0.0075
Error	61	162821	2669.19798		
Corrected Total	64	197829			

Root MSE	51.66428	R-Square	0.1770
Dependent Mean	1883.57446	Adj R-Sq	0.1365
Coeff Var	2.74289		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1080.52173	240.84506	4.49	<.0001
fri	1	48.93773	17.81477	2.75	0.0079
h12	1	0.40329	0.12160	3.32	0.0015
event0904	1	-41.35864	53.64874	-0.77	0.4437

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h4

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	3511.19039	1170.39680	0.95	0.4209
Error	61	74939	1228.51394		
Corrected Total	64	78451			

Root MSE	35.05016	R-Square	0.0448
Dependent Mean	16.14277	Adj R-Sq	-0.0022
Coeff Var	217.12609		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	37.51220	17.43074	2.15	0.0354
fri	1	-16.28122	11.15984	-1.46	0.1497
h12	1	-0.13700	0.12418	-1.10	0.2743
event0904	1	-18.07219	35.69180	-0.51	0.6144

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h5

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	30324	10108	3.88	0.0132
Error	61	158850	2604.10527		
Corrected Total	64	189174			

Root MSE	51.03043	R-Square	0.1603
Dependent Mean	1881.34215	Adj R-Sq	0.1190
Coeff Var	2.71245		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1125.54237	237.89023	4.73	<.0001
fri	1	44.49285	17.59621	2.53	0.0141
h12	1	0.37970	0.12011	3.16	0.0024
event0904	1	-36.72373	52.99055	-0.69	0.4909

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h5

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	815.13788	271.71263	0.85	0.4725
Error	61	19522	320.02802		
Corrected Total	64	20337			

Root MSE	17.88933	R-Square	0.0401
Dependent Mean	9.74400	Adj R-Sq	-0.0071
Coeff Var	183.59326		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	21.51426	8.89651	2.42	0.0186
fri	1	-6.98459	5.69590	-1.23	0.2248
h12	1	-0.07875	0.06338	-1.24	0.2188
event0904	1	-7.91498	18.21681	-0.43	0.6655

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h6

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	33713	11238	4.09	0.0104
Error	61	167801	2750.84324		
Corrected Total	64	201515			

Root MSE	52.44848	R-Square	0.1673
Dependent Mean	1882.67538	Adj R-Sq	0.1263
Coeff Var	2.78585		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1102.35690	244.50079	4.51	<.0001
fri	1	48.63928	18.08518	2.69	0.0092
h12	1	0.39182	0.12345	3.17	0.0024
event0904	1	-48.30870	54.46306	-0.89	0.3786

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h6

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	216.23731	72.07910	0.50	0.6820
Error	61	8750.54315	143.45153		
Corrected Total	64	8966.78046			

Root MSE	11.97713	R-Square	0.0241
Dependent Mean	7.28738	Adj R-Sq	-0.0239
Coeff Var	164.35423		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	14.09173	5.95633	2.37	0.0212
fri	1	-2.73301	3.81347	-0.72	0.4763
h12	1	-0.04765	0.04243	-1.12	0.2659
event0904	1	-3.52478	12.19638	-0.29	0.7736

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h7

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	39122	13041	4.49	0.0065
Error	61	177084	2903.00927		
Corrected Total	64	216205			

Root MSE	53.87958	R-Square	0.1809
Dependent Mean	1878.32246	Adj R-Sq	0.1407
Coeff Var	2.86849		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1007.72531	251.17219	4.01	0.0002
fri	1	47.66212	18.57864	2.57	0.0128
h12	1	0.43789	0.12682	3.45	0.0010
event0904	1	-62.01601	55.94913	-1.11	0.2720

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h7

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	19015	6338.44635	7.60	0.0002
Error	61	50867	833.89312		
Corrected Total	64	69883			

Root MSE	28.87721	R-Square	0.2721
Dependent Mean	33.01908	Adj R-Sq	0.2363
Coeff Var	87.45613		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-33.14861	14.36088	-2.31	0.0244
fri	1	13.99932	9.19440	1.52	0.1330
h12	1	0.48266	0.10231	4.72	<.0001
event0904	1	34.64006	29.40584	1.18	0.2434

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h8

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	57623	19208	11.77	<.0001
Error	61	99547	1631.91144		
Corrected Total	64	157170			

Root MSE	40.39692	R-Square	0.3666
Dependent Mean	1896.84431	Adj R-Sq	0.3355
Coeff Var	2.12969		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	817.58713	188.31965	4.34	<.0001
fri	1	17.51810	13.92958	1.26	0.2133
h12	1	0.54674	0.09508	5.75	<.0001
event0904	1	-35.24921	41.94860	-0.84	0.4040

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h8

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	9018.69510	3006.23170	1.55	0.2114
Error	61	118508	1942.75411		
Corrected Total	64	127527			

Root MSE	44.07668	R-Square	0.0707
Dependent Mean	161.46585	Adj R-Sq	0.0250
Coeff Var	27.29784		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	118.35895	21.91971	5.40	<.0001
fri	1	0.88736	14.03385	0.06	0.9498
h12	1	0.32933	0.15616	2.11	0.0391
event0904	1	3.60489	44.88356	0.08	0.9362

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h9

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	111184	37061	48.32	<.0001
Error	61	46786	766.98593		
Corrected Total	64	157970			

Root MSE	27.69451	R-Square	0.7038
Dependent Mean	1921.28338	Adj R-Sq	0.6893
Coeff Var	1.44146		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	600.51706	129.10440	4.65	<.0001
fri	1	-5.29132	9.54956	-0.55	0.5815
h12	1	0.67147	0.06518	10.30	<.0001
event0904	1	-0.97874	28.75828	-0.03	0.9730

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h9

Number of Observations Read 65
Number of Observations Used 65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	10663	3554.48620	1.70	0.1775
Error	61	127917	2096.99437		
Corrected Total	64	138580			

Root MSE	45.79295	R-Square	0.0769
Dependent Mean	212.93785	Adj R-Sq	0.0316
Coeff Var	21.50531		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	167.60455	22.77322	7.36	<.0001
fri	1	-1.52732	14.58031	-0.10	0.9169
h12	1	0.35062	0.16224	2.16	0.0346
event0904	1	-0.43680	46.63125	-0.01	0.9926

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h10

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	137943	45981	81.53	<.0001
Error	61	34404	563.99749		
Corrected Total	64	172346			

Root MSE	23.74863	R-Square	0.8004
Dependent Mean	1943.08031	Adj R-Sq	0.7906
Coeff Var	1.22222		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	445.66200	110.70977	4.03	0.0002
fri	1	-3.03502	8.18895	-0.37	0.7122
h12	1	0.76105	0.05590	13.62	<.0001
event0904	1	-10.51802	24.66083	-0.43	0.6712

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h10

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	22606	7535.28957	5.64	0.0018
Error	61	81461	1335.43059		
Corrected Total	64	104067			

Root MSE	36.54354	R-Square	0.2172
Dependent Mean	206.23508	Adj R-Sq	0.1787
Coeff Var	17.71936		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	148.40250	18.17341	8.17	<.0001
fri	1	-12.51640	11.63533	-1.08	0.2863
h12	1	0.46472	0.12947	3.59	0.0007
event0904	1	-10.68217	37.21252	-0.29	0.7750

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h11

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	182996	60999	174.63	<.0001
Error	61	21308	349.31133		
Corrected Total	64	204304			

Root MSE	18.68987	R-Square	0.8957
Dependent Mean	1958.62062	Adj R-Sq	0.8906
Coeff Var	0.95424		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	216.49740	87.12718	2.48	0.0157
fri	1	1.43910	6.44460	0.22	0.8240
h12	1	0.88481	0.04399	20.11	<.0001
event0904	1	1.49667	19.40776	0.08	0.9388

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h11

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	13969	4656.24500	2.32	0.0837
Error	61	122199	2003.25468		
Corrected Total	64	136167			

Root MSE	44.75773	R-Square	0.1026
Dependent Mean	222.00000	Adj R-Sq	0.0584
Coeff Var	20.16114		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	191.35886	22.25840	8.60	<.0001
fri	1	-22.32632	14.25070	-1.57	0.1224
h12	1	0.27085	0.15857	1.71	0.0927
event0904	1	-10.01185	45.57708	-0.22	0.8269

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h13

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	207164	69055	309.89	<.0001
Error	61	13593	222.83356		
Corrected Total	64	220757			

Root MSE	14.92761	R-Square	0.9384
Dependent Mean	1971.23446	Adj R-Sq	0.9354
Coeff Var	0.75727		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	145.81949	69.58853	2.10	0.0403
fri	1	-7.78191	5.14731	-1.51	0.1357
h12	1	0.92834	0.03514	26.42	<.0001
event0904	1	-34.96729	15.50099	-2.26	0.0277

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h13

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	36677	12226	5.24	0.0028
Error	61	142316	2333.04505		
Corrected Total	64	178993			

Root MSE	48.30161	R-Square	0.2049
Dependent Mean	234.91569	Adj R-Sq	0.1658
Coeff Var	20.56125		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	169.36432	24.02080	7.05	<.0001
fri	1	-23.87136	15.37905	-1.55	0.1258
h12	1	0.54223	0.17113	3.17	0.0024
event0904	1	-17.20231	49.18583	-0.35	0.7277

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h14

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	617638	205879	439.68	<.0001
Error	61	28563	468.24418		
Corrected Total	64	646201			

Root MSE	21.63895	R-Square	0.9558
Dependent Mean	1965.31800	Adj R-Sq	0.9536
Coeff Var	1.10104		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	75.41226	100.87500	0.75	0.4576
fri	1	-7.12398	7.46150	-0.95	0.3435
h12	1	0.96663	0.05093	18.98	<.0001
event0904	1	-751.03259	22.47012	-33.42	<.0001

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h14

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	23329	7776.43931	2.99	0.0379
Error	61	158805	2603.36146		
Corrected Total	64	182134			

Root MSE	51.02315	R-Square	0.1281
Dependent Mean	238.63631	Adj R-Sq	0.0852
Coeff Var	21.38113		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	212.69042	25.37424	8.38	<.0001
fri	1	-36.26973	16.24558	-2.23	0.0293
h12	1	0.25718	0.18077	1.42	0.1599
event0904	1	-18.25017	51.95719	-0.35	0.7266

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h15

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	3449139	1149713	2585.65	<.0001
Error	61	27124	444.65127		
Corrected Total	64	3476263			

Root MSE	21.08676	R-Square	0.9922
Dependent Mean	1945.98431	Adj R-Sq	0.9918
Coeff Var	1.08360		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	131.56930	98.30081	1.34	0.1857
fri	1	-17.47311	7.27109	-2.40	0.0193
h12	1	0.93850	0.04963	18.91	<.0001
event0904	1	-1923.06087	21.89671	-87.82	<.0001

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h15

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	7298.32361	2432.77454	0.88	0.4588
Error	61	169507	2778.80877		
Corrected Total	64	176806			

Root MSE	52.71441	R-Square	0.0413
Dependent Mean	217.88308	Adj R-Sq	-0.0059
Coeff Var	24.19390		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	200.65217	26.21532	7.65	<.0001
fri	1	-14.64539	16.78407	-0.87	0.3863
h12	1	0.15989	0.18676	0.86	0.3953
event0904	1	-42.56420	53.67941	-0.79	0.4309

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h16

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	3474068	1158023	2072.79	<.0001
Error	61	34079	558.67937		
Corrected Total	64	3508147			

Root MSE	23.63640	R-Square	0.9903
Dependent Mean	1925.47492	Adj R-Sq	0.9898
Coeff Var	1.22756		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	314.00754	110.18657	2.85	0.0060
fri	1	-67.23351	8.15025	-8.25	<.0001
h12	1	0.84038	0.05563	15.11	<.0001
event0904	1	-1912.60196	24.54429	-77.92	<.0001

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h16

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	30557	10186	3.71	0.0162
Error	61	167581	2747.23715		
Corrected Total	64	198138			

Root MSE	52.41409	R-Square	0.1542
Dependent Mean	197.93108	Adj R-Sq	0.1126
Coeff Var	26.48098		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	196.91039	26.06597	7.55	<.0001
fri	1	-10.31337	16.68846	-0.62	0.5389
h12	1	0.04408	0.18570	0.24	0.8132
event0904	1	-172.56883	53.37360	-3.23	0.0020

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h17

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	3283371	1094457	1567.26	<.0001
Error	61	42598	698.32394		
Corrected Total	64	3325968			

Root MSE	26.42582	R-Square	0.9872
Dependent Mean	1903.57185	Adj R-Sq	0.9866
Coeff Var	1.38822		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	519.27254	123.19010	4.22	<.0001
fri	1	-68.55586	9.11210	-7.52	<.0001
h12	1	0.72469	0.06220	11.65	<.0001
event0904	1	-1858.60868	27.44085	-67.73	<.0001

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h17

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	26943	8981.16582	3.35	0.0247
Error	61	163582	2681.67938		
Corrected Total	64	190526			

Root MSE	51.78493	R-Square	0.1414
Dependent Mean	181.08431	Adj R-Sq	0.0992
Coeff Var	28.59714		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	170.35383	25.75308	6.61	<.0001
fri	1	-7.27657	16.48813	-0.44	0.6605
h12	1	0.11217	0.18347	0.61	0.5432
event0904	1	-157.13285	52.73292	-2.98	0.0041

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h18

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	3175221	1058407	1844.19	<.0001
Error	61	35009	573.91580		
Corrected Total	64	3210230			

Root MSE	23.95654	R-Square	0.9891
Dependent Mean	1892.84492	Adj R-Sq	0.9886
Coeff Var	1.26564		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	617.85754	111.67898	5.53	<.0001
fri	1	-69.99858	8.26064	-8.47	<.0001
h12	1	0.66906	0.05639	11.87	<.0001
event0904	1	-1826.53185	24.87673	-73.42	<.0001

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h18

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	50784	16928	6.11	0.0011
Error	61	169010	2770.65191		
Corrected Total	64	219794			

Root MSE	52.63698	R-Square	0.2311
Dependent Mean	172.84185	Adj R-Sq	0.1932
Coeff Var	30.45384		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	98.74170	26.17681	3.77	0.0004
fri	1	1.90570	16.75942	0.11	0.9098
h12	1	0.58194	0.18649	3.12	0.0028
event0904	1	-132.69255	53.60057	-2.48	0.0161

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h19

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	3098526	1032842	1552.16	<.0001
Error	61	40591	665.42311		
Corrected Total	64	3139117			

Root MSE	25.79580	R-Square	0.9871
Dependent Mean	1882.36385	Adj R-Sq	0.9864
Coeff Var	1.37039		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	621.35903	120.25310	5.17	<.0001
fri	1	-62.75039	8.89485	-7.05	<.0001
h12	1	0.66107	0.06072	10.89	<.0001
event0904	1	-1807.27361	26.78663	-67.47	<.0001

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h19

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	39923	13308	4.85	0.0043
Error	61	167279	2742.27473		
Corrected Total	64	207202			

Root MSE	52.36673	R-Square	0.1927
Dependent Mean	170.38400	Adj R-Sq	0.1530
Coeff Var	30.73454		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	109.70485	26.04242	4.21	<.0001
fri	1	6.43050	16.67338	0.39	0.7011
h12	1	0.47192	0.18553	2.54	0.0135
event0904	1	-132.84614	53.32537	-2.49	0.0155

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h20

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	3037580	1012527	1552.76	<.0001
Error	61	39777	652.08367		
Corrected Total	64	3077357			

Root MSE	25.53593	R-Square	0.9871
Dependent Mean	1875.91938	Adj R-Sq	0.9864
Coeff Var	1.36125		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	717.02326	119.04167	6.02	<.0001
fri	1	-61.36382	8.80525	-6.97	<.0001
h12	1	0.60892	0.06010	10.13	<.0001
event0904	1	-1789.37875	26.51678	-67.48	<.0001

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h20

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	15813	5270.94756	2.42	0.0748
Error	61	132927	2179.12714		
Corrected Total	64	148740			

Root MSE	46.68112	R-Square	0.1063
Dependent Mean	143.04862	Adj R-Sq	0.0624
Coeff Var	32.63305		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	143.39833	23.21492	6.18	<.0001
fri	1	5.39947	14.86310	0.36	0.7177
h12	1	0.00371	0.16539	0.02	0.9822
event0904	1	-124.32014	47.53568	-2.62	0.0112

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h21

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	2978926	992975	1214.91	<.0001
Error	61	49857	817.32554		
Corrected Total	64	3028783			

Root MSE	28.58891	R-Square	0.9835
Dependent Mean	1870.92169	Adj R-Sq	0.9827
Coeff Var	1.52807		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	837.03019	133.27383	6.28	<.0001
fri	1	-59.46178	9.85797	-6.03	<.0001
h12	1	0.54509	0.06729	8.10	<.0001
event0904	1	-1771.63759	29.68702	-59.68	<.0001

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h21

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	22147	7382.23216	2.37	0.0793
Error	61	190062	3115.76744		
Corrected Total	64	212209			

Root MSE	55.81906	R-Square	0.1044
Dependent Mean	147.87323	Adj R-Sq	0.0603
Coeff Var	37.74791		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	117.73662	27.75929	4.24	<.0001
fri	1	11.62360	17.77258	0.65	0.5156
h12	1	0.22820	0.19776	1.15	0.2530
event0904	1	-123.27065	56.84090	-2.17	0.0340

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h21

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	2978926	992975	1214.91	<.0001
Error	61	49857	817.32554		
Corrected Total	64	3028783			

Root MSE	28.58891	R-Square	0.9835
Dependent Mean	1870.92169	Adj R-Sq	0.9827
Coeff Var	1.52807		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	837.03019	133.27383	6.28	<.0001
fri	1	-59.46178	9.85797	-6.03	<.0001
h12	1	0.54509	0.06729	8.10	<.0001
event0904	1	-1771.63759	29.68702	-59.68	<.0001

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h21

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	22147	7382.23216	2.37	0.0793
Error	61	190062	3115.76744		
Corrected Total	64	212209			

Root MSE	55.81906	R-Square	0.1044
Dependent Mean	147.87323	Adj R-Sq	0.0603
Coeff Var	37.74791		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	117.73662	27.75929	4.24	<.0001
fri	1	11.62360	17.77258	0.65	0.5156
h12	1	0.22820	0.19776	1.15	0.2530
event0904	1	-123.27065	56.84090	-2.17	0.0340

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h22

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	2962424	987475	1338.71	<.0001
Error	61	44996	737.63389		
Corrected Total	64	3007420			

Root MSE	27.15942	R-Square	0.9850
Dependent Mean	1866.64908	Adj R-Sq	0.9843
Coeff Var	1.45498		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	782.90283	126.60993	6.18	<.0001
fri	1	-57.08631	9.36505	-6.10	<.0001
h12	1	0.57014	0.06393	8.92	<.0001
event0904	1	-1768.05239	28.20263	-62.69	<.0001

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h22

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	42777	14259	2.82	0.0466
Error	61	308975	5065.16601		
Corrected Total	64	351752			

Root MSE	71.16998	R-Square	0.1216
Dependent Mean	150.03200	Adj R-Sq	0.0784
Coeff Var	47.43653		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	80.95257	35.39343	2.29	0.0257
fri	1	31.59907	22.66026	1.39	0.1682
h12	1	0.49547	0.25215	1.96	0.0540
event0904	1	-113.35103	72.47283	-1.56	0.1230

---------- Prog_id=BIPA ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h23

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	608278	202759	243.11	<.0001
Error	61	50875	834.02399		
Corrected Total	64	659153			

Root MSE	28.87947	R-Square	0.9228
Dependent Mean	1880.11338	Adj R-Sq	0.9190
Coeff Var	1.53605		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	873.97702	134.62838	6.49	<.0001
fri	1	-61.61246	9.95816	-6.19	<.0001
h12	1	0.52331	0.06797	7.70	<.0001
event0904	1	-760.80406	29.98875	-25.37	<.0001

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h23

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	67282	22427	4.48	0.0066
Error	61	305488	5007.99695		
Corrected Total	64	372770			

Root MSE	70.76720	R-Square	0.1805
Dependent Mean	150.93169	Adj R-Sq	0.1402
Coeff Var	46.88691		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	56.36584	35.19313	1.60	0.1144
fri	1	49.59467	22.53202	2.20	0.0315
h12	1	0.66259	0.25072	2.64	0.0104
event0904	1	-104.82140	72.06268	-1.45	0.1509

Prog_id=BIPA

The REG Procedure
Model: MODEL1
Dependent Variable: h24

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	155846	51949	95.48	<.0001
Error	61	33190	544.09158		
Corrected Total	64	189036			

Root MSE	23.32577	R-Square	0.8244
Dependent Mean	1838.39169	Adj R-Sq	0.8158
Coeff Var	1.26881		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	981.31943	108.73850	9.02	<.0001
fri	1	-74.00847	8.04314	-9.20	<.0001
h12	1	0.44254	0.05490	8.06	<.0001
event0904	1	46.13465	24.22173	1.90	0.0615

---------- Prog_id=BIPB ----------

The REG Procedure
Model: MODEL1
Dependent Variable: h24

Number of Observations Read	65
Number of Observations Used	65

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	29468	9822.54748	2.98	0.0384
Error	61	201211	3298.53367		
Corrected Total	64	230678			

Root MSE	57.43286	R-Square	0.1277
Dependent Mean	112.61415	Adj R-Sq	0.0848
Coeff Var	50.99968		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	91.16573	28.56185	3.19	0.0022
fri	1	43.91331	18.28641	2.40	0.0194
h12	1	0.10798	0.20348	0.53	0.5976
event0904	1	-90.49635	58.48424	-1.55	0.1269

Appendix B
Ex-Ante Detailed Forecast

The purpose of this appendix is to provide an hourly forecast for each program under the following weather scenarios, a typical day in a 1 in 2 weather year, a typical day in a 1 in 10 weather year, and for each monthly peak day for which the program can be called. The ex-post analysis of the CBP, BIP, and CPPE programs which is summarized in the text of the testimony and presented in detail in appendix A of this testimony showed that the temperature is not a significant predictor of the level of demand response for these programs and therefore the results for these programs do not vary by temperature.

The forecast for summer saver includes only a forecast of the load impact and does not include a forecast of the total load. The analysis done for this program conducted by KEMA used individual regression models, and then afterwards used a control group to make adjustments to the overall load impact on an aggregate level. Because of the complication of the control group specifying the appropriate total load required more time than developing the load impact estimate. The load impact estimates were available earlier and the ex-ante forecast was created by directly modeling the load impact versus temperature.

1. Commercial Summer Saver Forecast

2009 Ex-Ante Forecast Commercial PTR 1 in 2 weather year typical event day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	6.7	13	85.3	5.4	6.1	6.7	7.1	7.8
16	6.8	13	85.3	5.6	6.4	6.8	7.3	8.0
17	4.8	13	85.3	3.9	4.4	4.8	5.2	5.7
18	3.9	13	85.3	3.2	3.6	3.9	4.2	4.7
2010 Ex-Ante Forecast Commercial PTR 1 in 2 weather year typical event day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	8.7	16	85.3	7.1	8.0	8.7	9.3	10.3
16	9.0	16	85.3	7.4	8.3	9.0	9.6	10.5
17	6.2	16	85.3	5.1	5.8	6.2	6.8	7.4
18	5.1	16	85.3	4.1	4.7	5.1	5.6	6.1
2011 Ex-Ante Forecast Commercial PTR 1 in 2 weather year typical event day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	8.7	16	85.3	7.1	8.0	8.7	9.3	10.3

16	9.0	16	85.3	7.4	8.3	9.0	9.6	10.5
17	6.2	16	85.3	5.1	5.8	6.2	6.8	7.4
18	5.1	16	85.3	4.1	4.7	5.1	5.6	6.1

2009 Ex-Ante Forecast Commercial PTR 1 in 10 weather year typical event day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	10.1	13	88.5	8.2	9.2	10.1	10.7	11.8
16	9.9	13	88.5	8.2	9.2	9.9	10.6	11.6
17	5.9	13	88.5	4.9	5.5	5.9	6.5	7.1
18	5.4	13	88.5	4.4	5.0	5.4	5.9	6.5
2010 Ex-Ante Forecast Commercial PTR 1 in 10 weather year typical event day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	13.2	16	88.5	10.7	12.1	13.2	14.1	15.5
16	13.0	16	88.5	10.8	12.1	13.0	13.9	15.2
17	7.8	16	88.5	6.4	7.2	7.8	8.5	9.3
18	7.1	16	88.5	5.7	6.5	7.1	7.7	8.5
2011 Ex-Ante Forecast Commercial PTR 1 in 10 weather year typical event day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	13.2	16	88.5	10.7	12.1	13.2	14.1	15.5
16	13.0	16	88.5	10.8	12.1	13.0	13.9	15.2
17	7.8	16	88.5	6.4	7.2	7.8	8.5	9.3
18	7.1	16	88.5	5.7	6.5	7.1	7.7	8.5

2009 Ex-Ante Forecast Commercial PTR 1 in 2 weather year peak day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	10.2	13	88.6	8.3	9.4	10.2	10.9	12.0
16	10.1	13	88.6	8.3	9.4	10.1	10.7	11.8
17	6.0	13	88.6	4.9	5.6	6.0	6.5	7.2
18	5.5	13	88.6	4.4	5.0	5.5	5.9	6.5
2010 Ex-Ante Forecast Commercial PTR 1 in 2 weather year peak day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th

15	13.4	16	88.6	10.9	12.3	13.4	14.3	15.8
16	13.2	16	88.6	10.9	12.3	13.2	14.1	15.5
17	7.9	16	88.6	6.5	7.3	7.9	8.6	9.4
18	7.2	16	88.6	5.8	6.6	7.2	7.8	8.6

2011 Ex-Ante Forecast Commercial PTR 1 in 2 weather year peak day

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	13.4	16	88.6	10.9	12.3	13.4	14.3	15.8
16	13.2	16	88.6	10.9	12.3	13.2	14.1	15.5
17	7.9	16	88.6	6.5	7.3	7.9	8.6	9.4
18	7.2	16	88.6	5.8	6.6	7.2	7.8	8.6

2009 Ex-Ante Forecast Commercial PTR 1 in 10 weather year peak day

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	17.0	13	94.9	8.3	9.4	10.2	10.9	12.0
16	16.2	13	94.9	8.3	9.4	10.1	10.7	11.8
17	8.4	13	94.9	4.9	5.6	6.0	6.5	7.2
18	8.5	13	94.9	4.4	5.0	5.5	5.9	6.5

2010 Ex-Ante Forecast Commercial PTR 1 in 10 weather year peak day

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	22.3	16	94.9	18.1	20.5	22.3	23.8	26.2
16	21.2	16	94.9	17.6	19.8	21.2	22.7	24.9
17	11.0	16	94.9	9.0	10.2	11.0	11.9	13.1
18	11.1	16	94.9	9.0	10.2	11.1	12.0	13.3

2011 Ex-Ante Forecast Commercial PTR 1 in 10 weather year peak day

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	22.3	16	94.9	18.1	20.5	22.3	23.8	26.2
16	21.2	16	94.9	17.6	19.8	21.2	22.7	24.9
17	11.0	16	94.9	9.0	10.2	11.0	11.9	13.1
18	11.1	16	94.9	9.0	10.2	11.1	12.0	13.3

2009 Ex-Ante Forecast Summer Saver Residential May								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	-1.4	21255	76.2	-1.1	-1.3	-1.4	-1.5	-1.6
16	1.7	21255	76.2	1.4	1.6	1.7	1.9	2.1
17	4.3	21255	76.2	3.6	4.0	4.3	4.7	5.2
18	6.8	21255	76.2	5.5	6.2	6.8	7.4	8.1

2009 Ex-Ante Forecast Summer Saver Residential June								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	0.9	21255	78.1	0.7	0.8	0.9	1.0	1.1
16	3.8	21255	78.1	3.1	3.5	3.8	4.0	4.4
17	5.8	21255	78.1	4.7	5.4	5.8	6.3	6.9
18	7.4	21255	78.1	6.0	6.8	7.4	8.0	8.8

2009 Ex-Ante Forecast Summer Saver Residential July								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th

15	6.6	21255	82.8	5.4	6.1	6.6	7.1	7.8
16	8.8	21255	82.8	7.3	8.2	8.8	9.4	10.3
17	9.3	21255	82.8	7.6	8.7	9.3	10.1	11.1
18	8.8	21255	82.8	7.1	8.1	8.8	9.6	10.6

2009 Ex-Ante Forecast Summer Saver Residential August

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	6.9	21255	88.6	5.6	6.3	6.9	7.3	8.1
16	9.0	21255	88.6	7.4	8.4	9.0	9.6	10.5
17	9.5	21255	88.6	7.8	8.8	9.5	10.3	11.3
18	8.9	21255	88.6	7.2	8.2	8.9	9.7	10.6

2009 Ex-Ante Forecast Summer Saver Residential September

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	11.3	21255	86.7	9.2	10.4	11.3	12.1	13.3
16	12.9	21255	86.7	10.7	12.0	12.9	13.8	15.2
17	12.3	21255	86.7	10.1	11.4	12.3	13.3	14.6
18	10.1	21255	86.7	8.1	9.2	10.1	10.9	12.0

2009 Ex-Ante Forecast Summer Saver Residential October

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	2.4	21255	79.3	1.9	2.2	2.4	2.5	2.8
16	5.1	21255	79.3	4.2	4.7	5.1	5.4	5.9
17	6.7	21255	79.3	5.5	6.2	6.7	7.3	8.0
18	7.8	21255	79.3	6.3	7.1	7.8	8.4	9.3

2010 Ex-Ante Forecast Summer Saver Commercial May

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	-4.2	12824	76.2	-3.4	-3.8	-4.2	-4.4	-4.9
16	-2.7	12824	76.2	-2.3	-2.6	-2.7	-3.0	-3.3
17	1.7	12824	76.2	1.3	1.6	1.7	2.0	2.2
18	-0.6	12824	76.2	-0.4	-0.5	-0.6	-0.6	-0.7

2010 Ex-Ante Forecast Summer Saver Commercial June

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	-1.5	12824	78.1	-1.2	-1.3	-1.5	-1.5	-1.7
16	-0.3	12824	78.1	-0.2	-0.3	-0.3	-0.3	-0.4
17	2.7	12824	78.1	2.1	2.5	2.7	3.0	3.4
18	0.6	12824	78.1	0.4	0.5	0.6	0.7	0.8

2010 Ex-Ante Forecast Summer Saver Commercial July								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	5.2	12824	82.8	4.2	4.7	5.2	5.5	6.2
16	5.8	12824	82.8	4.8	5.4	5.8	6.4	7.0
17	5.0	12824	82.8	3.9	4.6	5.0	5.7	6.4
18	3.6	12824	82.8	2.6	3.1	3.6	4.1	4.6

2010 Ex-Ante Forecast Summer Saver Commercial August								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	5.5	12824	88.6	4.5	5.0	5.5	5.8	6.6
16	6.0	12824	88.6	5.0	5.7	6.0	6.7	7.4
17	5.1	12824	88.6	4.0	4.7	5.1	5.8	6.6
18	3.7	12824	88.6	2.6	3.2	3.7	4.2	4.8

2010 Ex-Ante Forecast Summer Saver Commercial September								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	10.8	12824	86.7	8.7	9.7	10.8	11.3	12.8
16	10.8	12824	86.7	9.0	10.2	10.8	12.0	13.2
17	6.9	12824	86.7	5.5	6.5	6.9	7.9	8.9
18	6.0	12824	86.7	4.3	5.2	6.0	6.9	7.7

2010Ex-Ante Forecast Summer Saver Commercial October								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	0.3	12824	79.3	0.2	0.2	0.3	0.3	0.3
16	1.3	12824	79.3	1.1	1.2	1.3	1.4	1.6
17	3.3	12824	79.3	2.6	3.0	3.3	3.7	4.2
18	1.4	12824	79.3	1.0	1.2	1.4	1.6	1.8

The 2011 forecast for commercial summer saver is the same as the 2010 forecast.

2. Residential Summer Saver Forecast

2009 Ex-Ante Forecast Residential PTR 1 in 2 weather year typical event day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	9.8	19	85.3	7.9	9.0	9.8	10.5	11.5
16	11.6	19	85.3	9.6	10.8	11.6	12.4	13.6
17	11.4	19	85.3	9.3	10.6	11.4	12.4	13.6
18	9.8	19	85.3	7.9	9.0	9.8	10.6	11.7
19	-3.7	19	85.3	-5.6	-4.5	-3.7	-2.9	-1.8
2010 Ex-Ante Forecast Residential PTR 1 in 2 weather year typical event day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	11.6	22	85.3	9.4	10.7	11.6	12.4	13.6
16	13.8	31212	85.3	11.4	12.8	13.8	14.7	16.2
17	13.5	31212	85.3	11.1	12.5	13.5	14.7	16.1
18	11.6	31212	85.3	9.4	10.6	11.6	12.6	13.8
19	-4.4	31212	85.3	-6.6	-5.3	-4.4	-3.4	-2.1
2011 Ex-Ante Forecast Residential PTR 1 in 2 weather year typical event day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	11.6	22	85.3	9.4	10.7	11.6	12.4	13.6
16	13.8	31212	85.3	11.4	12.8	13.8	14.7	16.2
17	13.5	31212	85.3	11.1	12.5	13.5	14.7	16.1
18	11.6	31212	85.3	9.4	10.6	11.6	12.6	13.8
19	-4.4	31212	85.3	-6.6	-5.3	-4.4	-3.4	-2.1

2009 Ex-Ante Forecast Residential PTR 1 in 10 weather year typical event day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	13.7	19	88.5	11.1	12.6	13.7	14.6	16.1
16	15.0	19	88.5	12.5	14.0	15.0	16.1	17.6

17	13.8	19	88.5	11.3	12.8	13.8	15.0	16.5
18	10.8	19	88.5	8.7	9.9	10.8	11.7	12.9
19	-3.7	19	88.5	-5.6	-4.5	-3.7	-2.9	-1.8

2010 Ex-Ante Forecast Residential PTR 1 in 10 weather year typical event day

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	16.2	31212	88.5	13.1	14.9	16.2	17.3	19.1
16	17.8	31212	88.5	14.7	16.6	17.8	19.0	20.9
17	16.4	31212	88.5	13.4	15.2	16.4	17.8	19.5
18	12.8	31212	88.5	10.3	11.7	12.8	13.9	15.2
19	-4.4	31212	88.5	-6.6	-5.3	-4.4	-3.4	-2.1

2011 Ex-Ante Forecast Residential PTR 1 in 10 weather year typical event day

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	16.2	31212	88.5	13.1	14.9	16.2	17.3	19.1
16	17.8	31212	88.5	14.7	16.6	17.8	19.0	20.9
17	16.4	31212	88.5	13.4	15.2	16.4	17.8	19.5
18	12.8	31212	88.5	10.3	11.7	12.8	13.9	15.2
19	-4.4	31212	88.5	-6.6	-5.3	-4.4	-3.4	-2.1

2009 Ex-Ante Forecast Residential PTR 1 in 2 weather year peak day

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	13.9	19	88.6	11.3	12.8	13.9	14.8	16.3
16	15.2	21000	88.6	12.6	14.2	15.2	16.3	17.8
17	14.0	21000	88.6	11.4	12.9	14.0	15.1	16.6
18	10.8	21000	88.6	8.8	9.9	10.8	11.8	12.9
19	-3.7	21000	88.6	-5.6	-4.5	-3.7	-2.9	-1.8

2010 Ex-Ante Forecast Residential PTR 1 in 2 weather year peak day

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	16.4	31212	88.6	13.3	15.1	16.4	17.5	19.3
16	18.0	31212	88.6	14.9	16.8	18.0	19.3	21.1
17	16.5	31212	88.6	13.5	15.3	16.5	17.9	19.7
18	12.8	31212	88.6	10.4	11.8	12.8	13.9	15.3
19	-4.4	31212	88.6	-6.6	-5.3	-4.4	-3.4	-2.1

2011 Ex-Ante Forecast Residential PTR 1 in 2 weather year peak day

Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	16.4	31212	88.6	13.3	15.1	16.4	17.5	19.3
16	18.0	31212	88.6	14.9	16.8	18.0	19.3	21.1
17	16.5	31212	88.6	13.5	15.3	16.5	17.9	19.7
18	12.8	31212	88.6	10.4	11.8	12.8	13.9	15.3
19	-4.4	31212	88.6	-6.6	-5.3	-4.4	-3.4	-2.1

2009 Ex-Ante Forecast Residential PTR 1 in 10 weather year peak day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	21.6	21000	94.9	17.5	19.9	21.6	23.1	25.4
16	22.0	21000	94.9	18.2	20.5	22.0	23.5	25.8
17	18.8	21000	94.9	15.4	17.4	18.8	20.3	22.4
18	12.8	21000	94.9	10.3	11.7	12.8	13.9	15.3
19	-3.7	21000	94.9	-5.6	-4.5	-3.7	-2.9	-1.8
2010 Ex-Ante Forecast Residential PTR 1 in 10 weather year peak day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	25.6	31212	94.9	20.7	23.5	25.6	27.3	30.1
16	26.0	31212	94.9	21.6	24.2	26.0	27.8	30.5
17	22.2	31212	94.9	18.2	20.6	22.2	24.1	26.5
18	15.2	31212	94.9	12.3	13.9	15.2	16.5	18.1
19	-4.4	31212	94.9	-6.6	-5.3	-4.4	-3.4	-2.1
2011 Ex-Ante Forecast Residential PTR 1 in 10 weather year peak day								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	25.6	31212	94.9	20.7	23.5	25.6	27.3	30.1
16	26.0	31212	94.9	21.6	24.2	26.0	27.8	30.5
17	22.2	31212	94.9	18.2	20.6	22.2	24.1	26.5
18	15.2	31212	94.9	12.3	13.9	15.2	16.5	18.1
19	-4.4	31212	94.9	-6.6	-5.3	-4.4	-3.4	-2.1

2009 Ex-Ante Forecast Summer Saver Residential May								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	-1.4	21255	76.2	-1.1	-1.3	-1.4	-1.5	-1.6
16	1.7	21255	76.2	1.4	1.6	1.7	1.9	2.1
17	4.3	21255	76.2	3.6	4.0	4.3	4.7	5.2
18	6.8	21255	76.2	5.5	6.2	6.8	7.4	8.1

2009 Ex-Ante Forecast Summer Saver Residential June								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	0.9	21255	78.1	0.7	0.8	0.9	1.0	1.1
16	3.8	21255	78.1	3.1	3.5	3.8	4.0	4.4
17	5.8	21255	78.1	4.7	5.4	5.8	6.3	6.9
18	7.4	21255	78.1	6.0	6.8	7.4	8.0	8.8

2009 Ex-Ante Forecast Summer Saver Residential July								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	6.6	21255	82.8	5.4	6.1	6.6	7.1	7.8
16	8.8	21255	82.8	7.3	8.2	8.8	9.4	10.3
17	9.3	21255	82.8	7.6	8.7	9.3	10.1	11.1
18	8.8	21255	82.8	7.1	8.1	8.8	9.6	10.6

2009 Ex-Ante Forecast Summer Saver Residential August								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th

15	6.9	21255	88.6	5.6	6.3	6.9	7.3	8.1
16	9.0	21255	88.6	7.4	8.4	9.0	9.6	10.5
17	9.5	21255	88.6	7.8	8.8	9.5	10.3	11.3
18	8.9	21255	88.6	7.2	8.2	8.9	9.7	10.6

2009 Ex-Ante Forecast Summer Saver Residential September								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	11.3	21255	86.7	9.2	10.4	11.3	12.1	13.3
16	12.9	21255	86.7	10.7	12.0	12.9	13.8	15.2
17	12.3	21255	86.7	10.1	11.4	12.3	13.3	14.6
18	10.1	21255	86.7	8.1	9.2	10.1	10.9	12.0

2009 Ex-Ante Forecast Summer Saver Residential October								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	2.4	21255	79.3	1.9	2.2	2.4	2.5	2.8
16	5.1	21255	79.3	4.2	4.7	5.1	5.4	5.9
17	6.7	21255	79.3	5.5	6.2	6.7	7.3	8.0
18	7.8	21255	79.3	6.3	7.1	7.8	8.4	9.3

2010 Ex-Ante Forecast Summer Saver Residential May								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	-1.7	21255	76.2	-1.4	-1.5	-1.7	-1.8	-2.0
16	2.1	21255	76.2	1.7	2.0	2.1	2.3	2.5
17	5.2	21255	76.2	4.3	4.9	5.2	5.7	6.3
18	8.2	21255	76.2	6.6	7.5	8.2	8.9	9.8

2010 Ex-Ante Forecast Summer Saver Residential June								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	1.1	21255	78.1	0.9	1.0	1.1	1.2	1.3
16	4.5	21255	78.1	3.8	4.2	4.5	4.9	5.3
17	7.0	21255	78.1	5.7	6.5	7.0	7.6	8.3
18	8.9	21255	78.1	7.2	8.2	8.9	9.7	10.6

2010 Ex-Ante Forecast Summer Saver Residential July								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	8.0	21255	82.8	6.5	7.3	8.0	8.5	9.4
16	10.6	21255	82.8	8.8	9.9	10.6	11.3	12.4
17	11.3	21255	82.8	9.2	10.4	11.3	12.2	13.4
18	10.7	21255	82.8	8.6	9.8	10.7	11.6	12.7

2010 Ex-Ante Forecast Summer Saver Residential August								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	8.3	21255	88.6	6.7	7.6	8.3	8.8	9.7
16	10.9	21255	88.6	9.0	10.1	10.9	11.6	12.7
17	11.4	21255	88.6	9.4	10.6	11.4	12.4	13.6
18	10.8	21255	88.6	8.7	9.8	10.8	11.7	12.8

2010 Ex-Ante Forecast Summer Saver Residential September								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	13.7	21255	86.7	11.1	12.6	13.7	14.6	16.1
16	15.6	21255	86.7	12.9	14.5	15.6	16.7	18.3

17	14.8	21255	86.7	12.1	13.7	14.8	16.1	17.7
18	12.1	21255	86.7	9.8	11.1	12.1	13.2	14.5

2010 Ex-Ante Forecast Summer Saver Residential October								
Hour Ending	Load Impact (MW)	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
15	2.9	21255	79.3	2.3	2.6	2.9	3.1	3.4
16	6.1	21255	79.3	5.1	5.7	6.1	6.5	7.2
17	8.1	21255	79.3	6.6	7.5	8.1	8.8	9.6
18	9.4	21255	79.3	7.6	8.6	9.4	10.2	11.2

The 2011 forecast for summer saver residential is the same as the 2010 forecast.

2. Residential Peak Time Rebate Forecast

2010 Ex-Ante Forecast Residential PTR 1 in 2 weather year typical event day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	1185	1155	30.6	2.6%	1256284	85.3	15.3	23.3	30.6	38.3	45.9
13	1283	1252	30.7	2.4%	1256284	85.3	15.4	23.3	30.7	38.4	46.1
14	1332	1291	41.0	3.1%	1256284	85.3	20.5	31.2	41.0	51.3	61.5
15	1350	1309	41.2	3.1%	1256284	85.3	20.6	31.3	41.2	51.5	61.8
16	1381	1333	48.3	3.5%	1256284	85.3	24.1	36.7	48.3	60.3	72.4
17	1367	1326	40.8	3.0%	1256284	85.3	20.4	31.0	40.8	51.0	61.2
18	1385	1349	36.7	2.7%	1256284	85.3	18.4	27.9	36.7	45.9	55.1

2011 Ex-Ante Forecast Residential PTR 1 in 2 weather year typical event day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	1203	1145	58.7	4.9%	1275019	85.3	29.3	44.6	58.7	73.3	88.0
13	1302	1243	58.8	4.5%	1275019	85.3	29.4	44.7	58.8	73.5	88.2
14	1352	1274	78.5	5.8%	1275019	85.3	39.3	59.7	78.5	98.2	117.8
15	1371	1292	78.9	5.8%	1275019	85.3	39.4	60.0	78.9	98.6	118.3
16	1402	1310	92.4	6.6%	1275019	85.3	46.2	70.3	92.4	115.6	138.7
17	1388	1310	78.1	5.6%	1275019	85.3	39.1	59.4	78.1	97.7	117.2
18	1406	1336	70.3	5.0%	1275019	85.3	35.2	53.4	70.3	87.9	105.5
2010 Ex-Ante Forecast Residential PTR 1 in 10 weather year typical event day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	1346	1307	39.8	3.0%	1256284	88.5	19.9	30.2	39.8	49.7	59.7
13	1457	1417	39.9	2.7%	1256284	88.5	19.9	30.3	39.9	49.9	59.8
14	1513	1460	53.3	3.5%	1256284	88.5	26.6	40.5	53.3	66.6	79.9
15	1534	1480	53.5	3.5%	1256284	88.5	26.8	40.7	53.5	66.9	80.3
16	1569	1506	62.7	4.0%	1256284	88.5	31.4	47.7	62.7	78.4	94.1
17	1553	1500	53.0	3.4%	1256284	88.5	26.5	40.3	53.0	66.2	79.5
18	1574	1526	47.7	3.0%	1256284	88.5	23.8	36.2	47.7	59.6	71.5
2011 Ex-Ante Forecast Residential PTR 1 in 10 weather year typical event day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	1377	1301	76.5	5.6%	1275019	88.5	38.3	58.2	76.5	95.7	114.8
13	1490	1413	76.7	5.1%	1275019	88.5	38.4	58.3	76.7	95.9	115.1
14	1548	1445	102.5	6.6%	1275019	88.5	51.2	77.9	102.5	128.1	153.7
15	1569	1466	102.9	6.6%	1275019	88.5	51.5	78.2	102.9	128.7	154.4
16	1605	1484	120.6	7.5%	1275019	88.5	60.3	91.7	120.6	150.8	180.9
17	1588	1486	101.9	6.4%	1275019	88.5	51.0	77.5	101.9	127.4	152.9
18	1609	1518	91.7	5.7%	1275019	88.5	45.9	69.7	91.7	114.7	137.6

2010 Ex-Ante Forecast Residential PTR January Peak Day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th

12	938	911	26.6	2.8%	1256284	64.4	13.3	20.2	26.6	33.2	[illegible]
13	914	888	26.7	2.9%	1256284	64.4	13.3	20.3	26.7	33.3	40.0
14	872	837	35.6	4.1%	1256284	64.4	17.8	27.1	35.6	44.5	53.4
15	855	819	35.8	4.2%	1256284	64.4	17.9	27.2	35.8	44.7	53.6
16	879	838	41.9	4.8%	1256284	64.4	21.0	31.8	41.9	52.4	62.9
17	1022	986	35.4	3.5%	1256284	64.4	17.7	26.9	35.4	44.3	53.1
18	1370	1339	31.9	2.3%	1256284	64.4	15.9	24.2	31.9	39.8	47.8

2010 Ex-Ante Forecast Residential PTR February Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	863	839	23.9	2.8%	1256284	58.4	11.9	18.1	23.9	29.8	35.8
13	841	817	23.9	2.8%	1256284	58.4	12.0	18.2	23.9	29.9	35.9
14	792	760	32.0	4.0%	1256284	58.4	16.0	24.3	32.0	40.0	47.9
15	768	736	32.1	4.2%	1256284	58.4	16.1	24.4	32.1	40.1	48.2
16	807	770	37.6	4.7%	1256284	58.4	18.8	28.6	37.6	47.0	56.4
17	910	878	31.8	3.5%	1256284	58.4	15.9	24.2	31.8	39.7	47.7
18	1169	1140	28.6	2.4%	1256284	58.4	14.3	21.7	28.6	35.8	42.9

2010 Ex-Ante Forecast Residential PTR March Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	787	764	22.4	2.9%	1256284	56.5	11.2	17.0	22.4	28.0	33.6
13	784	762	22.5	2.9%	1256284	56.5	11.2	17.1	22.5	28.1	33.7
14	765	735	30.0	3.9%	1256284	56.5	15.0	22.8	30.0	37.5	45.0
15	769	739	30.2	3.9%	1256284	56.5	15.1	22.9	30.2	37.7	45.2
16	792	756	35.3	4.5%	1256284	56.5	17.7	26.9	35.3	44.2	53.0
17	858	828	29.9	3.5%	1256284	56.5	14.9	22.7	29.9	37.3	44.8
18	1022	995	26.9	2.6%	1256284	56.5	13.4	20.4	26.9	33.6	40.3

2010 Ex-Ante Forecast Residential PTR April Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	825	800	24.5	3.0%	1256284	62.7	12.2	18.6	24.5	30.6	36.7
13	842	817	24.5	2.9%	1256284	62.7	12.3	18.6	24.5	30.6	36.8
14	850	817	32.7	3.9%	1256284	62.7	16.4	24.9	32.7	40.9	
15	861	829	32.9	3.8%	1256284	62.7	16.4	25.0	32.9	41.1	49.3

16	907	869	38.5	4.2%	1256284	62.7	19.3	29.3	38.5	48.2	57.8
17	969	936	32.6	3.4%	1256284	62.7	16.3	24.8	32.6	40.7	48.8
18	1045	1016	29.3	2.8%	1256284	62.7	14.7	22.3	29.3	36.6	44.0

2010 Ex-Ante Forecast Residential PTR May Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	941	911	29.5	3.1%	1256284	76.2	14.8	22.5	29.5	36.9	44.3
13	995	965	29.6	3.0%	1256284	76.2	14.8	22.5	29.6	37.0	44.4
14	1033	993	39.6	3.8%	1256284	76.2	19.8	30.1	39.6	49.4	59.3
15	1059	1019	39.7	3.8%	1256284	76.2	19.9	30.2	39.7	49.7	59.6
16	1137	1090	46.6	4.1%	1256284	76.2	23.3	35.4	46.6	58.2	69.8
17	1199	1160	39.3	3.3%	1256284	76.2	19.7	29.9	39.3	49.2	59.0
18	1247	1212	35.4	2.8%	1256284	76.2	17.7	26.9	35.4	44.3	53.1

2010 Ex-Ante Forecast Residential PTR June Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	956	926	30.4	3.2%	1256284	78.1	15.2	23.1	30.4	38.0	45.6
13	1014	984	30.4	3.0%	1256284	78.1	15.2	23.1	30.4	38.1	45.7
14	1069	1028	40.7	3.8%	1256284	78.1	20.3	30.9	40.7	50.8	61.0
15	1104	1063	40.8	3.7%	1256284	78.1	20.4	31.0	40.8	51.1	61.3
16	1174	1126	47.9	4.1%	1256284	78.1	23.9	36.4	47.9	59.8	71.8
17	1232	1192	40.4	3.3%	1256284	78.1	20.2	30.7	40.4	50.6	60.7
18	1276	1239	36.4	2.9%	1256284	78.1	18.2	27.7	36.4	45.5	54.6

2010 Ex-Ante Forecast Resdential PTR July Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	1275	1235	40.3	3.2%	1256284	82.8	20.2	30.6	40.3	50.4	60.5
13	1361	1320	40.4	3.0%	1256284	82.8	20.2	30.7	40.4	50.5	60.6
14	1436	1382	54.0	3.8%	1256284	82.8	27.0	41.0	54.0	67.5	81.0
15	1510	1455	54.2	3.6%	1256284	82.8	27.1	41.2	54.2	67.8	81.3
16	1574	1510	63.5	4.0%	1256284	82.8	31.8	48.3	63.5	79.4	95.3
17	1604	1551	53.7	3.3%	1256284	82.8	26.8	40.8	53.7	67.1	80.5
18	1624	1576	48.3	3.0%	1256284	82.8	24.2	36.7	48.3	60.4	72.5

2010 Ex-Ante Forecast Residential PTR August Peak Day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	1180	1141	39.0	3.3%	1256284	83.0	19.5	29.6	39.0	48.8	58.5
13	1292	1253	39.1	3.0%	1256284	83.0	19.6	29.7	39.1	48.9	58.7
14	1380	1328	52.2	3.8%	1256284	83.0	26.1	39.7	52.2	65.3	78.3
15	1453	1400	52.5	3.6%	1256284	83.0	26.2	39.9	52.5	65.6	78.7
16	1528	1467	61.5	4.0%	1256284	83.0	30.7	46.7	61.5	76.8	92.2
17	1588	1536	52.0	3.3%	1256284	83.0	26.0	39.5	52.0	64.9	77.9
18	1629	1582	46.8	2.9%	1256284	83.0	23.4	35.5	46.8	58.4	70.1

2010 Ex-Ante Forecast Residential PTR September Peak Day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	1343	1300	43.3	3.2%	1256284	86.7	21.6	32.9	43.3	54.1	64.9
13	1459	1415	43.4	3.0%	1256284	86.7	21.7	33.0	43.4	54.2	65.1
14	1533	1475	58.0	3.8%	1256284	86.7	29.0	44.0	58.0	72.4	86.9
15	1610	1552	58.2	3.6%	1256284	86.7	29.1	44.2	58.2	72.8	87.3
16	1692	1624	68.2	4.0%	1256284	86.7	34.1	51.8	68.2	85.3	102.3
17	1744	1686	57.6	3.3%	1256284	86.7	28.8	43.8	57.6	72.0	86.5
18	1769	1717	51.9	2.9%	1256284	86.7	25.9	39.4	51.9	64.8	77.8

2010 Ex-Ante Forecast Residential PTR October Peak Day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	839	813	26.5	3.2%	1256284	79.3	13.3	20.2	26.5	33.2	39.8
13	883	856	26.6	3.0%	1256284	79.3	13.3	20.2	26.6	33.3	39.9
14	930	895	35.5	3.8%	1256284	79.3	17.8	27.0	35.5	44.4	53.3
15	973	937	35.7	3.7%	1256284	79.3	17.8	27.1	35.7	44.6	53.5
16	1030	989	41.8	4.1%	1256284	79.3	20.9	31.8	41.8	52.3	62.7
17	1073	1038	35.3	3.3%	1256284	79.3	17.7	26.9	35.3	44.2	53.0
18	1108	1076	31.8	2.9%	1256284	79.3	15.9	24.2	31.8	39.8	47.7

2010 Ex-Ante Forecast Residential PTR November Peak Day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	826	801	25.1	3.0%	1256284	56.6	12.6	19.1	25.1	31.4	37.7
13	831	806	25.2	3.0%	1256284	56.6	12.6	19.1	25.2	31.5	37.8
14	830	797	33.6	4.1%	1256284	56.6	16.8	25.6	33.6	42.0	50.4
15	828	794	33.8	4.1%	1256284	56.6	16.9	25.7	33.8	42.2	50.7
16	865	826	39.6	4.6%	1256284	56.6	19.8	30.1	39.6	49.5	59.4
17	988	954	33.4	3.4%	1256284	56.6	16.7	25.4	33.4	41.8	50.2
18	1302	1272	30.1	2.3%	1256284	56.6	15.1	22.9	30.1	37.6	45.2

2010 Ex-Ante Forecast Residential PTR December Peak Day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	860	834	25.4	3.0%	1256284	61.3	12.7	19.3	25.4	31.7	38.1
13	826	800	25.5	3.1%	1256284	61.3	12.7	19.4	25.5	31.8	38.2
14	796	762	34.0	4.3%	1256284	61.3	17.0	25.8	34.0	42.5	51.0
15	775	741	34.2	4.4%	1256284	61.3	17.1	26.0	34.2	42.7	51.2
16	803	763	40.0	5.0%	1256284	61.3	20.0	30.4	40.0	50.0	60.0
17	1013	979	33.8	3.3%	1256284	61.3	16.9	25.7	33.8	42.3	50.7
18	1470	1440	30.4	2.1%	1256284	61.3	15.2	23.1	30.4	38.1	45.7

2011 Ex-Ante Forecast Residential PTR January Peak Day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	952	901	50.8	5.3%	1256284	64.4	25.4	38.6	50.8	63.5	76.2
13	928	877	50.9	5.5%	1256284	64.4	25.4	38.7	50.9	63.6	76.3
14	885	817	68.0	7.7%	1256284	64.4	34.0	51.7	68.0	85.0	102.0
15	867	799	68.3	7.9%	1256284	64.4	34.1	51.9	68.3	85.3	102.4

16	893	813	80.0	9.0%	1256284	64.4	40.0	60.8	80.0	100.0	0.0
17	1037	969	67.6	6.5%	1256284	64.4	33.8	51.4	67.6	84.5	101.4
18	1391	1330	60.8	4.4%	1256284	64.4	30.4	46.2	60.8	76.1	91.3

2011 Ex-Ante Forecast Residential PTR February Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	876	830	45.6	5.2%	1256284	58.4	22.8	34.6	45.6	57.0	68.4
13	854	808	45.7	5.4%	1256284	58.4	22.8	34.7	45.7	57.1	68.5
14	804	743	61.0	7.6%	1256284	58.4	30.5	46.4	61.0	76.3	91.5
15	780	718	61.3	7.9%	1256284	58.4	30.6	46.6	61.3	76.6	91.9
16	819	748	71.8	8.8%	1256284	58.4	35.9	54.6	71.8	89.8	107.7
17	923	863	60.7	6.6%	1256284	58.4	30.3	46.1	60.7	75.9	91.0
18	1186	1131	54.6	4.6%	1256284	58.4	27.3	41.5	54.6	68.3	81.9

2011 Ex-Ante Forecast Residential PTR March Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	798	756	42.8	5.4%	1256284	56.5	21.4	32.5	42.8	53.5	64.2
13	796	753	42.9	5.4%	1256284	56.5	21.5	32.6	42.9	53.6	64.4
14	777	720	57.3	7.4%	1256284	56.5	28.7	43.6	57.3	71.6	86.0
15	780	723	57.6	7.4%	1256284	56.5	28.8	43.8	57.6	72.0	86.4
16	804	736	67.5	8.4%	1256284	56.5	33.7	51.3	67.5	84.3	101.2
17	870	813	57.0	6.6%	1256284	56.5	28.5	43.3	57.0	71.3	85.5
18	1037	986	51.3	4.9%	1256284	56.5	25.7	39.0	51.3	64.1	77.0

2011 Ex-Ante Forecast Residential PTR April Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	837	790	46.7	5.6%	1256284	62.7	23.3	35.5	46.7	58.4	70.0
13	854	808	46.8	5.5%	1256284	62.7	23.4	35.6	46.8	58.5	70.2
14	863	800	62.5	7.2%	1256284	62.7	31.3	47.5	62.5	78.1	93.8
15	874	811	62.8	7.2%	1256284	62.7	31.4	47.7	62.8	78.5	94.2
16	921	847	73.6	8.0%	1256284	62.7	36.8	55.9	73.6	92.0	110.3
17	983	921	62.2	6.3%	1256284	62.7	31.1	47.2	62.2	77.7	93.3
18	1061	1005	56.0	5.3%	1256284	62.7	28.0	42.5	56.0	69.9	83.9

2011 Ex-Ante Forecast Residential PTR May Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	955	898	56.4	5.9%	1256284	76.2	28.2	42.9	56.4	70.5	84.6
13	1010	953	56.5	5.6%	1256284	76.2	28.3	43.0	56.5	70.7	84.8
14	1048	972	75.5	7.2%	1256284	76.2	37.8	57.4	75.5	94.4	113.3
15	1075	999	75.8	7.1%	1256284	76.2	37.9	57.6	75.8	94.8	113.8
16	1154	1065	88.9	7.7%	1256284	76.2	44.4	67.5	88.9	111.1	133.3
17	1217	1142	75.1	6.2%	1256284	76.2	37.6	57.1	75.1	93.9	112.7
18	1266	1198	67.6	5.3%	1256284	76.2	33.8	51.4	67.6	84.5	101.4

2011 Ex-Ante Forecast Residential PTR June Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	970	912	58.0	6.0%	1256284	78.1	29.0	44.1	58.0	72.5	87.0
13	1029	971	58.1	5.6%	1256284	78.1	29.1	44.2	58.1	72.7	87.2
14	1084	1007	77.6	7.2%	1256284	78.1	38.8	59.0	77.6	97.0	116.5
15	1121	1043	78.0	7.0%	1256284	78.1	39.0	59.3	78.0	97.5	117.0
16	1191	1100	91.4	7.7%	1256284	78.1	45.7	69.4	91.4	114.2	137.1
17	1250	1173	77.2	6.2%	1256284	78.1	38.6	58.7	77.2	96.5	115.8
18	1295	1225	69.5	5.4%	1256284	78.1	34.7	52.8	69.5	86.9	104.2

2011 Ex-Ante Forecast Residential PTR July Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	1294	1217	77.0	5.9%	1256284	82.8	38.5	58.5	77.0	96.2	115.4
13	1381	1304	77.2	5.6%	1256284	82.8	38.6	58.6	77.2	96.4	115.7
14	1457	1354	103.0	7.1%	1256284	82.8	51.5	78.3	103.0	128.8	154.6
15	1532	1429	103.5	6.8%	1256284	82.8	51.7	78.7	103.5	129.4	155.2
16	1597	1476	121.3	7.6%	1256284	82.8	60.6	92.2	121.3	151.6	181.9
17	1628	1526	102.5	6.3%	1256284	82.8	51.2	77.9	102.5	128.1	153.7
18	1649	1556	92.2	5.6%	1256284	82.8	46.1	70.1	92.2	115.3	138.3

2011 Ex-Ante Forecast Residential PTR August Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	1198	1123	74.5	6.2%	1256284	83.0	37.2	56.6	74.5	93.1	111.7

13	1311	1237	74.7	5.7%	1256284	83.0	37.3	56.7	74.7	93.3	2.0
14	1400	1301	99.7	7.1%	1256284	83.0	49.9	75.8	99.7	124.6	9.6
15	1475	1374	100.1	6.8%	1256284	83.0	50.1	76.1	100.1	125.2	150.2
16	1551	1433	117.4	7.6%	1256284	83.0	58.7	89.2	117.4	146.7	176.0
17	1611	1512	99.2	6.2%	1256284	83.0	49.6	75.4	99.2	124.0	148.8
18	1653	1564	89.3	5.4%	1256284	83.0	44.6	67.8	89.3	111.6	133.9

2011 Ex-Ante Forecast Residential PTR September Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	1363	1280	82.6	6.1%	1256284	86.7	41.3	62.8	82.6	103.3	124.0
13	1480	1398	82.8	5.6%	1256284	86.7	41.4	63.0	82.8	103.5	124.3
14	1556	1445	110.6	7.1%	1256284	86.7	55.3	84.1	110.6	138.3	165.9
15	1634	1523	111.1	6.8%	1256284	86.7	55.6	84.4	111.1	138.9	166.7
16	1717	1587	130.2	7.6%	1256284	86.7	65.1	99.0	130.2	162.8	195.3
17	1770	1660	110.0	6.2%	1256284	86.7	55.0	83.6	110.0	137.5	165.1
18	1795	1696	99.0	5.5%	1256284	86.7	49.5	75.3	99.0	123.8	148.5

2011 Ex-Ante Forecast Residential PTR October Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	852	801	50.7	5.9%	1256284	79.3	25.3	38.5	50.7	63.3	76.0
13	896	845	50.8	5.7%	1256284	79.3	25.4	38.6	50.8	63.5	76.2
14	944	876	67.8	7.2%	1256284	79.3	33.9	51.6	67.8	84.8	101.7
15	987	919	68.1	6.9%	1256284	79.3	34.1	51.8	68.1	85.2	102.2
16	1046	966	79.8	7.6%	1256284	79.3	39.9	60.7	79.8	99.8	119.8
17	1089	1021	67.5	6.2%	1256284	79.3	33.7	51.3	67.5	84.3	101.2
18	1124	1063	60.7	5.4%	1256284	79.3	30.4	46.1	60.7	75.9	91.1

2011 Ex-Ante Forecast Residential PTR November Peak Day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	838	790	48.0	5.7%	1256284	56.6	24.0	36.4	48.0	59.9	71.9
13	843	795	48.1	5.7%	1256284	56.6	24.0	36.5	48.1	60.1	72.1
14	843	778	64.2	7.6%	1256284	56.6	32.1	48.8	64.2	80.3	96.3
15	840	776	64.5	7.7%	1256284	56.6	32.2	49.0	64.5	80.6	96.7
16	878	803	75.6	8.6%	1256284	56.6	37.8	57.4	75.6	94.5	113.3
17	1003	939	63.9	6.4%	1256284	56.6	31.9	48.5	63.9	79.8	95.8
18	1322	1264	57.5	4.3%	1256284	56.6	28.7	43.7	57.5	71.8	3.2

2011 Ex-Ante Forecast Residential PTR December Peak Day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average Temp	10th	30th	50th	70th	90th
12	873	824	48.5	5.6%	1256284	61.3	24.2	36.9	48.5	60.6	72.7
13	838	790	48.6	5.8%	1256284	61.3	24.3	36.9	48.6	60.8	72.9
14	808	743	64.9	8.0%	1256284	61.3	32.5	49.3	64.9	81.2	97.4
15	787	722	65.2	8.3%	1256284	61.3	32.6	49.6	65.2	81.5	97.8
16	815	738	76.4	9.4%	1256284	61.3	38.2	58.1	76.4	95.5	114.6
17	1028	963	64.6	6.3%	1256284	61.3	32.3	49.1	64.6	80.7	96.9
18	1492	1434	58.1	3.9%	1256284	61.3	29.1	44.2	58.1	72.6	87.2

4. CPPD Large and Medium Commercial Forecast

2009 Ex-Ante Forecast Large C&I CPPD 1 in 2 weather year typical event day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	521	460	61.7	11.8%	1488	85	46	54	62	62	62
13	517	456	61.3	11.8%	1488	85	46	54	61	61	61
14	517	456	61.2	11.8%	1488	85	46	54	61	61	61
15	505	445	59.8	11.8%	1488	85	45	52	60	60	60
16	485	428	57.5	11.8%	1488	85	43	50	57	57	57
17	456	402	54.0	11.8%	1488	85	41	47	54	54	54
18	426	375	50.4	11.8%	1488	85	38	44	50	50	50
2010 Ex-Ante Forecast Large C&I CPPD 1 in 2 weather year typical event day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	534	470	63.9	12.0%	1533	85	48	56	64	64	64
13	530	466	63.4	12.0%	1533	85	48	55	63	63	63
14	530	466	63.4	12.0%	1533	85	48	55	63	63	63
15	517	455	61.9	12.0%	1533	85	46	54	62	62	62
16	497	437	59.4	12.0%	1533	85	45	52	59	59	59

17	467	411	55.9	12.0%	1533	85	42	49	56	56	
18	436	384	52.2	12.0%	1533	85	39	46	52	52	

2011 Ex-Ante Forecast Large C&I CPPD 1 in 2 weather year typical event day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	547	482	64.9	11.9%	1578	85	49	57	65	65	65
13	543	478	64.4	11.9%	1578	85	48	56	64	64	64
14	542	478	64.4	11.9%	1578	85	48	56	64	64	64
15	530	467	62.9	11.9%	1578	85	47	55	63	63	63
16	509	448	60.4	11.9%	1578	85	45	53	60	60	60
17	478	421	56.8	11.9%	1578	85	43	50	57	57	57
18	447	394	53.1	11.9%	1578	85	40	46	53	53	53

2010 Ex-Ante Forecast Medium C&I CPPD 1 in 2 weather year typical event day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	712	695	17.0	2.4%	16863	85	13	15	17	17	17
13	706	689	16.9	2.4%	16863	85	13	15	17	17	17
14	706	689	16.9	2.4%	16863	85	13	15	17	17	17
15	690	673	16.5	2.4%	16863	85	12	14	17	17	17
16	662	646	15.9	2.4%	16863	85	12	14	16	16	16
17	623	608	14.9	2.4%	16863	85	11	13	15	15	15
18	581	568	13.9	2.4%	16863	85	10	12	14	14	14

2010 Ex-Ante Forecast Medium C&I 1 in 2 weather year typical event day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	726	659	67.1	9.2%	17302	85	50	59	67	67	67
13	721	654	66.6	9.2%	17302	85	50	58	67	67	67
14	720	654	66.5	9.2%	17302	85	50	58	67	67	67
15	703	638	65.0	9.2%	17302	85	49	57	65	65	65
16	676	613	62.4	9.2%	17302	85	47	55	62	62	62
17	635	577	58.7	9.2%	17302	85	44	51	59	59	59
18	593	538	54.8	9.2%	17302	85	41	48	55	55	

2009 Ex-Ante Forecast Large C&I CPPD 1 in 10 weather year typical event day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	537	473	64	11.8%	1488	88	48	56	64	64	64
13	533	470	63	11.8%	1488	88	47	55	63	63	63
14	533	470	63	11.8%	1488	88	47	55	63	63	63
15	520	459	62	11.8%	1488	88	46	54	62	62	62
16	500	441	59	11.8%	1488	88	44	52	59	59	59
17	470	414	56	11.8%	1488	88	42	49	56	56	56
18	439	387	52	11.8%	1488	88	39	45	52	52	52

2010 Ex-Ante Forecast Large C&I CPPD 1 in 10 weather year typical event day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	550	484	66	12.0%	1533	88	49	58	66	66	66
13	546	480	65	12.0%	1533	88	49	57	65	65	65
14	545	480	65	12.0%	1533	88	49	57	65	65	65
15	533	469	64	12.0%	1533	88	48	56	64	64	64
16	512	451	61	12.0%	1533	88	46	54	61	61	61
17	481	424	58	12.0%	1533	88	43	50	58	58	58
18	449	395	54	12.0%	1533	88	40	47	54	54	54

2011 Ex-Ante Forecast Large C&I CPPD 1 in 10 weather year typical event day											
Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	563	496	67	11.9%	1578	88	50	59	67	67	67
13	559	492	66	11.9%	1578	88	50	58	66	66	66
14	559	492	66	11.9%	1578	88	50	58	66	66	66
15	546	481	65	11.9%	1578	88	49	57	65	65	65
16	524	462	62	11.9%	1578	88	47	54	62	62	62
17	493	434	59	11.9%	1578	88	44	51	59	59	59

18	460	405	55	11.9%	1578	88	41	48	55	55	

2010 Ex-Ante Forecast Medium C&I CPPD 1 in 10 weather year typical event day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	733	715	18	2.4%	16863	88	13	15	18	18	18
13	727	710	17	2.4%	16863	88	13	15	17	17	17
14	727	710	17	2.4%	16863	88	13	15	17	17	17
15	710	693	17	2.4%	16863	88	13	15	17	17	17
16	682	666	16	2.4%	16863	88	12	14	16	16	16
17	641	626	15	2.4%	16863	88	12	13	15	15	15
18	599	585	14	2.4%	16863	88	11	13	14	14	14

2010 Ex-Ante Forecast Medium C&I 1 in 10 weather year typical event day

Hour Ending	Reference Load (MW)	Observed Load (MW)	Load Impact (MW)	Percent Load Impact	Average Number of Customers	Average On-peak Temp	10th	30th	50th	70th	90th
12	748	679	69	9.2%	17302	88	52	60	69	69	69
13	742	674	69	9.2%	17302	88	51	60	69	69	69
14	742	673	69	9.2%	17302	88	51	60	69	69	69
15	725	658	67	9.2%	17302	88	50	59	67	67	67
16	696	632	64	9.2%	17302	88	48	56	64	64	64
17	654	594	60	9.2%	17302	88	45	53	60	60	60
18	611	554	56	9.2%	17302	88	42	49	56	56	56

5. Capacity Bidding Program.

Load impact estimates for this program do not vary by by temperature because the 2007 ex-post evaluation of this program showed that demand response varied little between events and that a regression model of the load reduction for each event versus temperature showed that temperature was insignificant as a predictor of the load reduction. The ex-post results for each hour of each event of the 2007 ex-post analysis can be found in Appendix A of this testimony.

2009 Ex-Ante Forecast CBP Day-Ahead 4 hour maximum								
Hour	Reference Load	Obs Load	Load Impact	10th	30th	50th	70th	90th
H15	30.2	21.1	9.0		8.3	9.0	9.8	10.3
H16	30.4	21.3	9.1	7.8	8.3	9.1	9.9	10.4
H17	29.4	20.6	8.8	7.6	8.1	8.8	9.6	10.1
H18	25.9	18.1	7.8	6.7	7.1	7.8	8.4	8.9

2009 Ex-Ante Forecast CBP Day-Ahead 6 hour maximum								
Hour	Reference Load	Obs Load	Load Impact	10th	30th	50th	70th	90th
H14	17.6	12.3	5.3	4.5	4.8	5.3	5.7	6.0
H15	17.6	12.3	5.3	4.5	4.8	5.3	5.8	6.0
H16	18.1	12.7	5.4	4.7	5.0	5.4	5.9	6.2
H17	18.2	12.7	5.5	4.7	5.0	5.5	5.9	6.2
H18	17.7	12.4	5.3	4.6	4.8	5.3	5.8	6.1
H19	17.8	12.5	5.3	4.6	4.9	5.3	5.8	6.1

2009 Ex-Ante Forecast CBP Day-Of 4 hour maximum								
Hour	Reference Load	Obs Load	Load Impact	10th	30th	50th	70th	90th
h15	32.6	27.7	4.9	4.2	4.5	4.9	5.3	5.6
h16	27.2	23.1	4.1	3.5	3.7	4.1	4.4	4.7
h17	17.1	14.6	2.6	2.2	2.3	2.6	2.8	2.9
h18	16.6	14.2	2.5	2.1	2.3	2.5	2.7	2.8

2010 Ex-Ante Forecast CBP Day-Ahead 4 hour maximum								
Hour	Reference Load	Obs Load	Load Impact	10th	30th	50th	70th	90th
H15	36.2	25.3	10.9	9.3	9.9	10.9	11.8	12.4
H16	36.5	25.5	10.9	9.4	10.0	10.9	11.9	12.5
H17	35.3	24.7	10.6	9.1	9.7	10.6	11.5	12.1
H18	31.0	21.7	9.3	8.0	8.5	9.3	10.1	10.6

2010 Ex-Ante Forecast CBP Day-Ahead 6 hour maximum								
Hour	Referecne Load	Obs Load	Load Impact	10th	30th	50th	70th	90th
H14	21.1	14.8	6.3	5.4	5.8	6.3	6.9	7.2
H15	21.1	14.8	6.3	5.5	5.8	6.3	6.9	7.2
H16	21.7	15.2	6.5	5.6	5.9	6.5	7.1	7.4
H17	21.8	15.3	6.6	5.6	6.0	6.6	7.1	7.5
H18	21.2	14.9	6.4	5.5	5.8	6.4	6.9	7.3
H19	21.4	15.0	6.4	5.5	5.9	6.4	7.0	7.3

2010 Ex-Ante Forecast CBP Day-Of 4 hour maximum								
Hour	Referecne Load	Obs Load	Load Impact	10th	30th	50th	70th	90th
h15	37.2	31.6	5.6	4.8	5.1	5.6	6.1	6.4
h16	31.9	27.1	4.8	4.1	4.4	4.8	5.2	5.5
h17	21.8	18.5	3.3	2.8	3.0	3.3	3.6	3.7
h18	21.3	18.1	3.2	2.7	2.9	3.2	3.5	3.6

2011 Ex-Ante Forecast CBP Day-Ahead 4 hour maximum								
Hour	Reference Load	Obs Load	Load Impact	10th	30th	50th	70th	90th
H15	39.6	27.7	11.9		8.3	9.0	9.8	10.3
H16	42.2	29.6	12.7	7.8	8.3	9.1	9.9	10.4
H17	42.6	29.8	12.8	7.6	8.1	8.8	9.6	10.1
H18	41.2	28.9	12.4	6.7	7.1	7.8	8.4	8.9

2011 Ex-Ante Forecast CBP Day-Ahead 6 hour maximum								
Hour	Reference Load	Obs Load	Load Impact	10th	30th	50th	70th	90th

H14	24.6	17.2	7.4	4.5	4.8	5.3	5.7	6.0
H15	24.7	17.3	7.4	4.5	4.8	5.3	5.8	6.0
H16	25.3	17.7	7.6	4.7	5.0	5.4	5.9	6.2
H17	25.5	17.8	7.6	4.7	5.0	5.5	5.9	6.2
H18	24.8	17.3	7.4	4.6	4.8	5.3	5.8	6.1
H19	24.9	17.5	7.5	4.6	4.9	5.3	5.8	6.1

2011 Ex-Ante Forecast CBP Day-Of 4 hour maximum								
Hour	Reference Load	Obs Load	Load Impact	10th	30th	50th	70th	90th
h15	41.9	35.6	6.3	4.2	4.5	4.9	5.3	5.6
h16	36.5	31.0	5.5	3.5	3.7	4.1	4.4	4.7
h17	26.5	22.5	4.0	2.2	2.3	2.6	2.8	2.9
h18	26.0	22.1	3.9	2.1	2.3	2.5	2.7	2.8

6. CPPE program

The forecast for this program does not vary by temperature. The forecast for 2010 and 2011 is the same as for 2009.

Ex-Ante Forecast CPPE 2009-2011									
					Load Impact Range				
Hour End	Ref Load MW	Obs Load (MW)	Load Impact (MW)	CDD 75	10	30	50t	70	90
14	4.6	2.0	2.6	12	2.0	2.2	2.6	1.4	1.5
15	4.5	1.9	2.6	16	2.0	2.2	2.6	1.2	1.3
16	5.0	2.5	2.6	16	2.1	2.2	2.6	1.5	1.6
17	5.1	2.5	2.6	11	2.2	2.3	2.6	1.5	1.5
18	5.0	2.8	2.2	6	1.8	2.0	2.2	1.5	1.6
19	4.9	2.7	2.2	0	1.9	2.0	2.2	1.7	1.8

7. BIP program

The forecast for this program does not vary by temperature. The forecast is the same for the years 2009 through 2011.

Ex-Ante BIP 2009-2011								
Year	Reference Load	Observed Load	Load Impact	10th	30th	50th	70th	90th
H15	5.7	0.52	5.1	4.8	4.9	5.1	5.3	5.5
H16	5.7	0.52	5.2	4.8	4.9	5.2	5.4	5.5
H17	5.5	0.52	5.0	4.7	4.8	5.0	5.2	5.4
H18	5.2	0.52	4.7	4.4	4.5	4.7	4.9	5.0