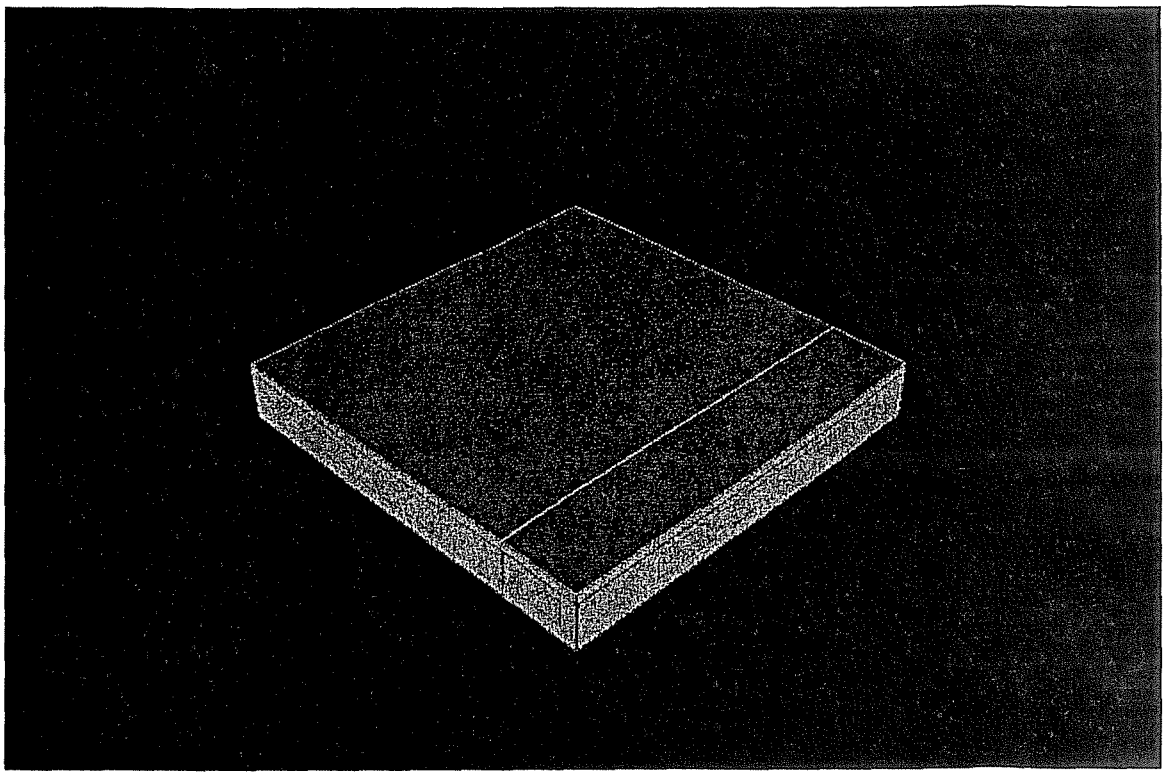

Figure 10. Small Retail Prototype Building Rendering

The energy performance of the prototypical building was simulated using long term average weather data for Covington, Kentucky. Savings were estimated for a representative high efficiency option corresponding to a set of HVAC system type and size combinations. The energy and demand savings were normalized per ton of cooling capacity. The results of the simulation runs are shown in Table 24.

Table 24. Small Retail Demand and Energy Savings

HVAC System Type and Size	Base Efficiency	Measure Efficiency	Demand savings (kW/ ton)	Energy savings (kWh/ton)
AC <65,000 1 Ph	13	14	0.078	73.9
AC <65,000 3 Ph	12	13	0.058	55.4
AC 65,000 - 135,000	10.1	11	0.081	76.1
AC 135,000 - 240,000	9.5	11	0.142	134.9
AC 240,000 - 760,000	9.3	10	0.074	70.7
AC >760,000	9	10	0.110	104.4
HP <65,000 1 Ph	13	14	0.078	113.1
HP <65,000 3 Ph	12	13	0.058	67.8
HP 65,000 - 135,000	9.9	11	0.081	126.2
HP 135,000 - 240,000	9.1	10	0.142	141.0
HP >240,000	8.8	10	0.074	176.4

Full-service Restaurant Prototype

A prototypical building energy simulation model for a full-service restaurant was developed using the DOE-2.2 building energy simulation program. The characteristics of the full service restaurant prototype are summarized in Table 25.

Table 25. Full Service Restaurant Prototype Description

Characteristic	Value
Vintage	Existing (1970s) vintage
Size	2000 square foot dining area 600 square foot entry/reception area 1200 square foot kitchen 200 square foot restrooms
Number of floors	1
Wall construction and R-value	Concrete block with brick veneer, R-11
Roof construction and R-value	Wood frame with built-up roof, R-19
Glazing type	Single pane clear
Lighting power density	Dining area: 1.7 W/SF Entry area: 2.5 W/SF Kitchen: 4.3 W/SF Restrooms: 1.0 W/SF
Plug load density	Dining area: 0.6 W/SF Entry area: 0.6 W/SF Kitchen: 3.1 W/SF Restrooms: 0.2 W/SF
Operating hours	9am – 12am
HVAC system type	Packaged single zone, no economizer
HVAC system size	Dining area: 150 SF/ton Entry area: 90 SF/ton Kitchen: 220 SF/ton Restrooms: 190 SF/ton
Thermostat setpoints	Occupied hours: 77 cooling, 72 heating Unoccupied hours: 82 cooling, 67 heating

A computer-generated sketch of the full-service restaurant prototype is shown in Figure 11.

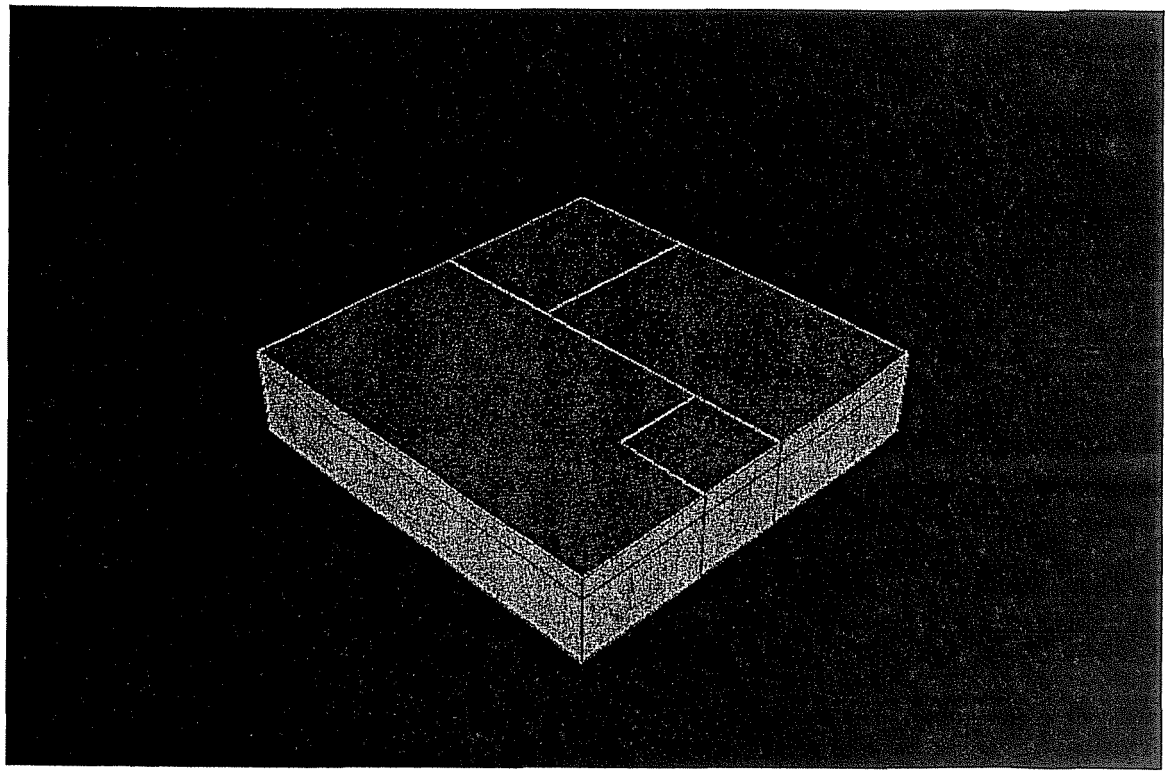

Figure 11. Full Service Restaurant Prototype Rendering

The energy performance of the prototypical building was simulated using long term average weather data for Covington, Kentucky. Savings were estimated for a representative high efficiency option corresponding to a set of HVAC system type and size combinations. The energy and demand savings were normalized per ton of cooling capacity. The results of the simulation runs are shown in Table 26.

Table 26. Full Service Restaurant Demand and Energy Savings

HVAC System Type and Size	Base Efficiency	Measure Efficiency	Demand savings (kW/ ton)	Energy savings (kWh/ton)
AC <65,000 1 Ph	13	14	0.072	54.1
AC <65,000 3 Ph	12	13	0.056	40.5
AC 65,000 - 135,000	10.1	11	0.075	55.7
AC 135,000 - 240,000	9.5	11	0.136	98.8
AC 240,000 - 760,000	9.3	10	0.068	51.8
AC >760,000	9	10	0.102	76.5
HP <65,000 1 Ph	13	14	0.072	111.6
HP <65,000 3 Ph	12	13	0.056	60.2
HP 65,000 - 135,000	9.9	11	0.075	117.9
HP 135,000 - 240,000	9.1	10	0.136	142.5
HP >240,000	8.8	10	0.068	168.6

Small Office Prototype

A prototypical building energy simulation model for a small was developed using the DOE-2.2 building energy simulation program. The characteristics of the small office prototype are summarized in Table 27.

Table 27. Small Office Prototype Building Description

Characteristic	Value
Vintage	Existing (1970s) vintage
Size	10,000 square feet
Number of floors	2
Wall construction and R-value	Wood frame with brick veneer, R-11
Roof construction and R-value	Wood frame with built-up roof, R-19
Glazing type	Single pane clear
Lighting power density	Perimeter offices: 2.2 W/SF Core offices: 1.5 W/SF
Plug load density	Perimeter offices: 1.6 W/SF Core offices: 0.7 W/SF
Operating hours	Mon-Sat: 9am – 6pm Sun: Unoccupied
HVAC system type	Packaged single zone, no economizer
HVAC system size	180 SF/ton
Thermostat setpoints	Occupied hours: 76 cooling, 72 heating Unoccupied hours: 81 cooling, 67 heating

A computer-generated sketch of the small office prototype is shown in Figure 12.

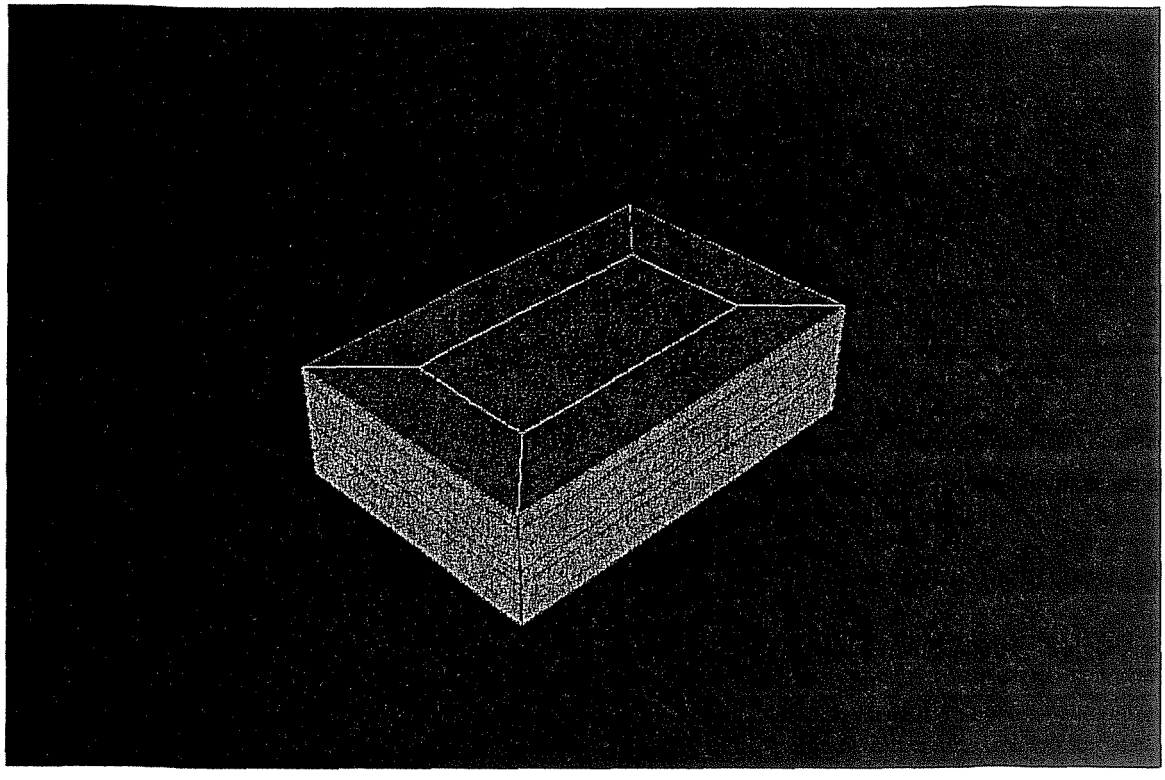

Figure 12. Small Office Prototype Building Rendering

The energy performance of the prototypical building was simulated using long term average weather data for Covington, Kentucky. Savings were estimated for a representative high efficiency option corresponding to a set of HVAC system type and size combinations. The energy and demand savings were normalized per ton of cooling capacity. The results of the simulation runs are shown in Table 28.

Table 28. Energy and Demand Savings for Small Office

HVAC System Type and Size	Base Efficiency	Measure Efficiency	Demand savings (kW/ ton)	Energy savings (kWh/ton)
AC <65,000 1 Ph	13	14	0.061	61.0
AC <65,000 3 Ph	12	13	0.047	45.7
AC 65,000 - 135,000	10.1	11	0.065	62.8
AC 135,000 - 240,000	9.5	11	0.114	111.3
AC 240,000 - 760,000	9.3	10	0.059	58.4
AC >760,000	9	10	0.087	86.1
HP <65,000 1 Ph	13	14	0.061	85.2
HP <65,000 3 Ph	12	13	0.047	52.8
HP 65,000 - 135,000	9.9	11	0.065	96.8
HP 135,000 - 240,000	9.1	10	0.114	105.2
HP >240,000	8.8	10	0.059	134.3

Energy and demand savings estimates were developed for each measure in the database using the following engineering equations:

$$kW_{savings} = \sum_{i}^{buildings} \sum_{j}^{measures} units_{i,j} \times ton \times kWsaved/ton_{j} \times F_{adj} \times CDF_{i}$$

$$kWh_{savings} = \sum_{i}^{buildings} \sum_{j}^{measures} units_{i,j} \times ton \times kWhsaved/ton_{j} \times F_{adj}$$

$$F_{adj} = \frac{1 - \frac{EER_{base}}{EER_{installed}}}{1 - \frac{EER_{base}}{EER_{measure}}}$$

where:

Units	= quantity of each type of HVAC measure installed
Ton	= cooling capacity of HVAC unit
kW/ton	= demand savings per ton from prototype model runs by building and measure type
kWh/ton	= energy savings per ton prototype model runs by building and measure type
Fadj	= efficiency adjustment factor
CDF	= coincident diversity factor by building type

An efficiency adjustment factor was used to account for differences in the installed equipment SEER or EER verses the SEER or EER assumptions used for high efficiency equipment in the simulations. Since HVAC energy consumption is an inverse relationship with SEER and EER, a simple scaling of the EER or SEER differences is not appropriate. This adjustment accurately reflects the influence of efficiency differences on energy and demand savings. The coincident diversity factors from the PG&E and SCE programs as shown in the secondary research section of this report were applied.

The HVAC program gross energy and demand savings were summed across all entries in the database, and normalized on a per-measure and per-program-participant basis. The estimates embedding in the program tracking system, the savings estimated by this evaluation, and the estimates used by Duke Energy for program planning purposes are compared in Table 29.

Table 29. HVAC Program Gross Demand and Energy Savings

Savings Basis	Source	kW	kWh
Savings/measure	Planning Estimate		130
	Tracking System	0.16	443
	Evaluation Estimate	0.69	763
Savings/participant	Tracking System	1.3	3,673
	Evaluation Estimate	5.7	6,336

Appendix A: Process Evaluation: Program Manager Interview Protocol

Name: _____

Title: _____

Position description and general responsibilities:

_____

_____

_____

We are conducting this interview to obtain your opinions about and experiences with the Small Commercial and Industrial Program. We'll talk about the Program and its objectives, your thoughts on improving the program and its participation rates, and the technologies the program covers. The interview will take about an hour to complete. May we begin?

Program Objectives

1. In your own words, please describe the Small Commercial and Industrial Incentive Program's objectives.

2. In your opinion, which objectives do you think are being met or will be met? How do you think the program's objectives have changed over time?

3. Are there any program objectives that are not being addressed or that you think should have more attention focused on them? If yes, which ones? How should these objectives be addressed? What should be changed? Do you think these changes will increase program participation?

4. Should the program objectives be changed in any way because of market conditions, other external or internal program influences, or any other conditions that have developed since the program objectives were devised? What changes would you put into place, and how would it affect the objectives?

5. Do you think the incentives application process offered through the small C&I program is easy to understand and complete?

6. Do you think the incentives offered through the program are large enough to entice the C&I community to purchase the high efficiency items? Why or why not?

7. Do you think the incentives cover the right equipment? Do you think there is equipment that is currently incentivized that should not be, or equipment that is not covered that should be?

8. Which measures have been most used? Why, and why have other measures not been adopted? Why is there a difference between states? (Note in KY the program got off to a fast start and we had to throttle it back, now IN is begging to pick up. Why are these difference there?)

9. What kinds of marketing, outreach and customer contact approaches do you use to make your customers aware of the program and its options? Are there any changes to the program marketing that you think would increase participation?

10. How do you inform trade allies and contractors about the program? How effective has this been in getting participation from the contractors?

11. Are there any changes to the incentives or marketing that could possibly increase participation in the program?

12. The program has experienced a drop in participation over the last year or so and then recently picked up in Indiana, why do you think this has occurred? What can be done to boost participation overall?

13. Thinking about how your program enrolls participants, what do you think your level of freeridership is for this program? (*That is, what percent of the equipment rebated through the program would have been purchased and installed without the program's incentive?*)

14. What do you think the level of spillover is for this program? *(That is, what percent of the participants take similar actions in their business that are not rebated through the program?)*

Overall Small C&I Incentives Management

15. Describe the use of any advisors, technical groups or organizations that have in the past or are currently helping you think through the program's approach or methods. How often do you use these resources? What do you use them for?

16. Overall, what about the Small Commercial and Industrial Incentive Program works well and why?

17. What doesn't work well and why? Do you think this discourages participation?

18. Can you identify any market or operational barriers that impede a more efficient program operation?

19. If you had a magic wand and could change any part of the program what would you change and why?

Program Design & Implementation

20. What market information, research or market assessments are you using to determine the best target markets or market segments to focus on?

21. What market information, research or market assessments are you using to identify market barriers, and develop more effective delivery mechanisms?

22. How do you manage and monitor or evaluate contractor involvement or performance? What is the quality control and tracking process? What do you do if contractor performance is exemplary or below expectations?

23. In your opinion, did the incentives cover enough different kinds of energy efficient products?

1. ❑ Yes 2. ❑ No 99. ❑ DK/NS

If no, 22b. What other products or equipment should be included?

---

24. In what ways can the Small Commercial and Industrial Incentive Program's operations be improved?

25. Do you have any suggestions for how program participation can be increased?

Appendix B: Participant Survey Instrument

Name: _____

Title: _____

Hello, my name is _____. I am calling on behalf of Duke Energy to conduct a customer survey about the Commercial and Industrial Program. May I speak with _____ please?

If person talking, proceed. If person is called to the phone reintroduce.
If not home, ask when would be a good time to call and schedule the call-back:

Call back 1:	Date: _____,	Time: _____	❑AM or ❑PM
Call back 2:	Date: _____,	Time: _____	❑AM or ❑PM
Call back 3:	Date: _____,	Time: _____	❑AM or ❑PM
Call back 4:	Date: _____,	Time: _____	❑AM or ❑PM
Call back 5:	Date: _____,	Time: _____	❑AM or ❑PM
Call back 6:	Date: _____,	Time: _____	❑AM or ❑PM
Call back 7:	Date: _____,	Time: _____	❑AM or ❑PM

❑ Contact dropped after seventh attempt.

We are conducting this survey to obtain your opinions about the Commercial and Industrial Efficiency Program. We are not selling anything. The survey will take about 10-15 minutes and your answers will be confidential, and will help us to make improvements to the program to better serve others. May we begin the survey?

1. Our records indicate that you participated in the Commercial and Industrial Incentive Program in <date> and that you installed <technology> through the program and received an incentive for your purchase. Do you recall participating in this program?

1. ❑ Yes, *begin* — *Skip to Q2.*
2. ❑ No,
99. ❑ DK/NS

1a. **This program was provided through Duke Energy. In this program, you purchased an energy efficient lighting, HVAC, motor, or pump. In exchange for purchasing the energy efficient option, Duke Energy provided your company with an incentive.**

Do you remember participating in this program?

1. ❑ Yes, *begin* → *Go to Q2.*
2. ❑ No,
99. ❑ DK/NS

If No or DK/NS terminate interview and go to next participant.

2. How did you become aware of the C&I Incentive Program?

- **a.** ❑ Duke Energy sent me a brochure
- **b.** ❑ Duke Energy called and talked to me about it
- **c.** ❑ Duke energy website.
- **d.** ❑ A contractor I was working with told me about the program
- **e.** ❑ An equipment supplier
- **f.** ❑ I saw an ad in _____
- **g.** ❑ Other _____
- **h.** ❑ DK/NS

3. When you first heard about the program and considered taking advantage of the incentive, did you do any additional investigation to confirm the program's offering, or was the information you had adequate to make a participation decision?

- **a.** ❑ The information was adequate
- b. ❑ Didn't need to confirm/Nothing
- **c.** ❑ Went to the web site
- **d.** ❑ Called or emailed Duke Energy
- **e.** ❑ Called or emailed a contractor
- f. ❑ Called or emailed a salesperson
- g. ❑ Other: _____
- h. ❑ DK/NS

If c, d, e, f, g: **4. How well did this work for you, were you able to acquire a more complete understanding of the program?** *Note: many may have only heard about this through their contractors and thus had minimal involvement, so this question may only apply to a few of them.*

1. ❑ Yes 2. ❑ No 99. ❑ DK/NS

5. Did you have additional questions that were not answered? Were their questions that you were unable to answer or information that you were unable to obtain?

1. ❑ Yes 2. ❑ No 99. ❑ DK/NS

5a. What were they?

_____

_____

6. **Who filled out the program incentive forms for your company?**
   - **a.** ❑ I did
   - **b.** ❑ Someone from my company did
   - **c.** ❑ The contractor
   - **d.** ❑ The salesperson
   - **e.** ❑ Someone from Duke Energy

7. **Who submitted the forms to Duke/Cinergy?**
   - **a.** ❑ I did
   - **b.** ❑ Someone from my company did
   - **c.** ❑ The contractor
   - **d.** ❑ The salesperson
   - **e.** ❑ Someone from Duke Energy

8. *If they filled it out.* **Was the incentive form easy to understand?**

   1. ❑ Yes 2. ❑ No 99. ❑ DK/NS

   If not, 8b. **Do you remember what it was that was not clear or which part of it was difficult?**

_____

_____

9. **Did you have any problems receiving the incentives?**

   1. ❑ Yes 2. ❑ No 99. ❑ DK/NS

   If yes, 9b. **Please explain the problem and how it was resolved. Was it resolved to your satisfaction?**

_____

_____

10. Did you originally plan on purchasing the exact same efficiency level in the equipment you purchased before you knew that there was an incentive offered by Duke Energy?

1. ❑ Yes 2. ❑ No 99. ❑ DK/NS

11. In your decision process, did you search for or consider other, less energy efficient equipment that might have cost less?

1. ❑ Yes 2. ❑ No 99. ❑ DK/NS

12. **What was the primary reason that you decided to purchase or upgrade your equipment?**

1. ❑ Remodeling
2. ❑ Equipment failure
3. ❑ Contractor recommendation
4. ❑ Energy Savings
5. ❑ Got a good deal
6. ❑ It was an old system
7. ❑ Combination of above: *list*:

_____

13. **I would like to ask how important the program incentive was in your decision to buy the more energy efficient model. Would you say the incentive was...** *(read and check the best response).*

a. # The primary reason why you purchased the high efficacy model,
b. #An important reason, along with other reasons,
c. #One of the reasons, but it was not the most important,
d. #One of the reasons, but it was a minor or unimportant reason, or
e. #It was not a reason at all,
f. #DK/NS.

14. If the incentives were not available from the program, would you have delayed your purchase, or would you have made the purchased at the exact same time?

a. # The purchase would have been delayed – **How long do you think you might have waited to make the purchase?** _____
b. # The purchase would have been made at the same time
c. #DK/NS

15. Were there other reasons in addition to the incentive that you went with the high efficiency <technology> **instead of something less expensive to purchase?**

_____

_____

16. When firms have experience with energy efficiency programs or products they sometimes make similar decisions to continue the energy savings in other parts of their business. Have you taken any other energy efficiency actions that may have been, in some way, influenced by your experiences with the Duke program?

1. ❑ Yes 2. ❑ No 99. ❑ DK/NS

a. *If yes,* **What have you done?**
b. *If yes,* **How much money do you think you have saved as a result?**

_____

_____

17. One of the objectives that the program would like to see over the next year is increased participation of businesses like yours. Can you think of things that the program can do to help increase participation or help increase interest from people like yourself?

a. #Increase general advertising
b. #Increase advertising in trade media
c. #Present the program in trade or associated meetings
d. #Offer larger incentives
e. #Offer incentives on other items/include other items
f. #Have program staff call small C&I customers
g. #Make the process more streamlined for customers
h. #Make the process more streamlined for contractors
i. #Other: _____

18. During your participation process, did you need to contact Cinergy/Duke to obtain information about the program?

1. ❑ Yes 2. ❑ No 99. ❑ DK/NS

If yes, 18b. **Were your questions or needs effectively handled by the Cinergy/Duke?**

1. ❑ Yes 2. ❑ No 99. ❑ DK/NS

18c. **How might this be improved?**

_____

_____

19. Overall, what about the C&I Incentive Program works well and why?

_____

_____

20. What doesn't work well and why?

_____

_____

We would like to ask you a few questions about your satisfaction with the program. For these questions we would like you to rate your satisfaction using a 1 to 10 scale where a 1 means that you are very dissatisfied with the program and a 10 means that you are very satisfied.

21. How would your rate your satisfaction with.

a. The incentive levels provided by the program

1 2 3 4 5 6 7 8 9 10

b. The ease of filling out the participation and incentive forms

1 2 3 4 5 6 7 8 9 10

c. The time it took for your to receive your incentive

1 2 3 4 5 6 7 8 9 10

d. The number and kind of technologies covered in the program

1 2 3 4 5 6 7 8 9 10

e. The information you were provided explaining the program,

1 2 3 4 5 6 7 8 9 10

For each item above that received a score of 8 or less ask:
21a. What could have been done to make this better?

For item a: the incentive levels provided by the program

_____

_____

For item b: the ease of filling out the participation and incentive forms

_____

_____

For item c: the time it took for your to receive your incentive

_____

_____

For item d: the number and kind of technologies covered in the program

_____

_____

For item e: the information you were provided explaining the program

_____

_____

22. Considering all aspects of the program, how would you rate your overall satisfaction with the Program?

1 2 3 4 5 6 7 8 9 10

If score is 8 or less ask: **What could have been done to make your experience better, or have we already covered it?**

_____

_____

APPENDIX J

PowerShare Impact Analysis in Kentucky

Final Report

Prepared for
Duke Energy

139 East Fourth Street
Cincinnati, OH 45201

October 15, 2007

Submitted by:

Dr. Michael Ozog, Ph.D.
Vice President, Integral Analytics
Fort Collins, Colorado

INTEGRAL ANALYTICS, INC.

Kentucky 2007 PowerShare Impact Analysis

This analysis presents the results of the load analysis of the PowerShare program for customers within Duke Energy Kentucky. This analysis relies upon a statistical analysis of actual customer whole premise hourly electricity consumption during the summer of 2007, which includes two PowerShare events on August 8th and 9th.

For this analysis, since hourly data is available before, during, and after the event, the statistical includes all data throughout the summer period. This is contrasted with the Pro Forma analysis, which only includes pre-event data. In addition, this analysis is focused expected impacts at system level at expected peak temperate (93.5°) rather than for customer payments. Thus, the reported impacts are developed as a function of temperature rather than as a function time as was done in the Pro Forma analysis. Therefore, the results of this analysis are not directly comparable to the results of the Pro Forma results. Table 1 presents the results of this analysis.

Table 1: KY PowerShare Results

	Savings
Program Effect (looking only at Savings with t-value >1.5)	
Call Participants	11.7 kWh/Degree Fahrenheit
Quote Participants	0.54 kWh/Degree Fahrenheit
Total	12.23 kWh/Degree Fahrenheit
Total Program Effect (looking only at Savings with t-value >1.5) at 93.5°	1,144 kWh per hour

Because the PowerShare participant population consists of a diverse range of facilities, it was determined that pooling customers into a single statistical model was inappropriate. Therefore, a statistical equation was estimated for each participant in the PowerShare program. This model had the hourly electricity consumption has the dependent variable, and included weather terms, time of day, and the event term as independent variables.

Algebraically, the model is described as follows:

$$y_t = \alpha + \beta x_t + \varepsilon_t ,$$

where:

- y_t = electricity consumption for the facility during hour t
- α = constant term for the facility
- β = vector of coefficients
- x_t = vector of variables that represent factors causing changes in energy consumption for facility during hour t (i.e., weather, time of day, and participation)
- ε_t = error term for during hour t.

The independent variables that were used in the model include:

- The current temperature as well as the temperature for the previous three hours
- The current humidity as well as the humidity for the previous three hours
- A variable incorporating the interaction between temperature and humidity
- An indicator variable for weekend days
- Indicator variables for all 24 hours of the day
- Indicator variables for the month
- An indicator variable for the PowerShare event interacted with the temperature for that hour.

Since this is a pure time-series model, it is critical to account for the potential for autocorrelation, where the error term in one hour is correlated with the error term in the preceding hour(s).[1] In order to account for this potential, the models where estimated using an AR(1) specification:

$$\varepsilon_t = \rho\varepsilon_{t-1} + \mu_t$$

Where:

ρ = is an estimated parameter (Phi)
μ_t = is white noise (i.e., zero mean with no autocorrelation).

The parameters ρ and β in the above equations are estimated for each participant via maximum likelihood techniques. The summary of the estimated electric models are presented in Table 2.[2]

[1] The intuition is that the factors that cannot be "explained" in one hour cannot be explained in other hours. In theory, autocorrelation does not result in bias results, but it does affect the standard error of the estimates, which may lead to erroneous conclusions.

[2] The models include a large number of other independent variables discussed above. These terms were not included in order make interpretation clearer. Each estimated model for each customer containing the complete set of independent variables are included in the appendix.

Table 2: Summary of the Estimated PowerShare Models

Customer	Phi (AR term) (t-value)	PowerShare Savings (kWh) per degree (t-value)
#1 (Call)	0.74 (58.06)	-7.73 (-4.07)
#2 (Call)	0.61 (39.00)	-3.96 (-2.69)
#1 (Quote)	0.95 (162.00)	-0.80 (-0.90)
#2 (Quote)	0.97 (192.30)	-0.60 (-1.10)
#3 (Quote)	0.65 (44.59)	-0.54 (-1.53)
#4 (Quote)	0.91 (108.69)	-.049 (-0.36)
#5 (Quote)	0.98 (249.05)	-0.47 (-1.41)
#6 (Quote)	0.98 (249.33)	-0.24 (-0.54)
#7 (Quote)	0.99 (338.65)	-0.09 (-0.40)
#8 (Quote)	0.74 (55.88)	-0.06 (-0.32)
#9 (Quote)	0.95 (159.60)	0.00 (-0.11)
#10 (Quote)	0.99 (321.38)	0.04 (0.11)
#11 (Quote)	0.98 (237.14)	0.04 (0.08)
#12 (Quote)	0.97 (193.90)	0.06 (0.28)
#13 (Quote)	1.00 (756.55)	0.07 (0.64)
#14 (Quote)	0.87 (86.92)	0.12 (0.32)
#15 (Quote)	0.80 (69.30)	0.13 (0.48)
#16 (Quote)	0.96 (184.35)	0.15 (0.73)
#17 (Quote)	0.91 (103.76)	0.26 (0.40)
#18 (Quote)	0.46 (26.90)	0.48 (1.05)
#19 (Quote)	0.93 (116.19)	0.63 (0.75)
#20 (Quote)	0.95 (145.09)	0.70 (2.01)
Total Program Effect (looking only at Savings with t-value >1.5)		12.2 kWh/Degree

These estimation results show that:

- Autocorrelation is clearly present in the data, with estimated ρ values often near one and in all cases very precisely estimated (i.e., high t-values).

- The vast majority of savings are due to the Call program (i.e., mandatory reductions), with very little savings occurring from the voluntary Quote participants.

- The overall statistically significant savings are 12.2 kWh/degree. At 93.5°, this implies an average savings per hour associated with the PowerShare event of 1,144 kWh for each hour of the PowerShare event.

APPENDIX

INDIVIDUAL ESTIMATED MODELS

Number of cross-sectional units 22.000000
ID
70204801.

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2682
R-squared: 0.526
Standard Error of Estimate: 140.307
Variance of White Noise Error (sigsq): 3776.153
Variance of sigsq:297807.722
-2*log(likelihood): 29699.725

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	227.743696	130.829300	1.740770	0.082
INTER	-1.330334	0.427411	-3.112541	0.002
JULY	6.964873	8.809666	0.790594	0.429
MAY	24.348710	10.613582	2.294109	0.022
JUNE	3.044180	8.960419	0.339736	0.734
TEMP	2.778289	2.298992	1.208481	0.227
HUMID	0.102517	3.074584	0.033343	0.973
TEMPHUM	-0.002400	0.032820	-0.073135	0.942
TLAG	1.079080	1.990586	0.542091	0.588
TLAG2	-1.670157	1.992199	-0.838348	0.402
TLAG3	-1.091589	1.976479	-0.552290	0.581
TLAG4	0.149843	1.967531	0.076158	0.939
TLAG5	0.981437	1.448464	0.677571	0.498
HLAG	0.728918	2.492851	0.292403	0.770
HLAG2	-0.310095	2.494129	-0.124330	0.901
HLAG3	-1.209322	1.784594	-0.677645	0.498
HOUR1	5.400548	24.596328	0.219567	0.826
HOUR2	11.081496	23.741598	0.466754	0.641
HOUR3	-14.446484	23.315805	-0.619600	0.536
HOUR4	-16.847038	23.157572	-0.727496	0.467
HOUR5	-11.089286	22.932884	-0.483554	0.629
HOUR6	0.316005	22.667323	0.013941	0.989
HOUR7	-0.188506	22.204300	-0.008490	0.993
HOUR8	-4.079476	21.368949	-0.190907	0.849
HOUR9	0.992770	20.450040	0.048546	0.961
HOUR10	-3.260096	19.430226	-0.167785	0.867
HOUR12	-15.336533	19.166945	-0.800155	0.424
HOUR13	-18.725193	19.530217	-0.958781	0.338
HOUR14	-33.879676	20.016490	-1.692588	0.091
HOUR15	-42.518889	20.686882	-2.055355	0.040
HOUR16	-59.291036	21.401347	-2.770435	0.006

HOUR17	-64.539484	21.992407	-2.934626	0.003
HOUR18	-71.228737	22.683823	-3.140068	0.002
HOUR19	-33.919404	23.539896	-1.440933	0.150
HOUR20	-3.283509	24.580007	-0.133585	0.894
HOUR21	2.463888	25.458947	0.096779	0.923
HOUR22	14.964462	26.055068	0.574340	0.566
HOUR23	14.604839	25.913906	0.563591	0.573
HOUR24	11.626543	25.432460	0.457154	0.648
WEEKEND	-321.501069	6.166322	-52.138226	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.898831	0.008463	106.204007	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	19685.951295	1.000000
1	17693.941815	0.898811

Total Time for Computation and Printing: 0.08(seconds)
Number of Iterations: 7

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2682
R-squared: 0.936
Standard Error of Estimate: 200.306
Variance of White Noise Error (sigsq): 2671.495
Variance of sigsq: 5322.064
-2*log(likelihood): 28770.513

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	104.287444	219.751147	0.474571	0.635
INTER	0.064744	0.231026	0.280244	0.779
JULY	-5.065739	42.964259	-0.117906	0.906
MAY	-33.216681	62.375143	-0.532531	0.594
JUNE	4.756022	53.223559	0.089359	0.929
TEMP	2.317812	2.435241	0.951779	0.341
HUMID	1.363501	3.160677	0.431395	0.666
TEMPHUM	-0.024183	0.040074	-0.603477	0.546
TLAG	1.156851	0.531069	2.178345	0.029
TLAG2	-1.093910	0.531498	-2.058165	0.040
TLAG3	-0.551447	0.530925	-1.038652	0.299
TLAG4	-0.095600	0.523626	-0.182573	0.855
TLAG5	0.273245	0.523163	0.522294	0.602
HLAG	0.612700	0.650388	0.942054	0.346
HLAG2	-0.376675	0.650643	-0.578927	0.563
HLAG3	0.553359	0.651801	0.848969	0.396
HOUR1	-0.743000	15.880015	-0.046788	0.963

HOUR2	3.363961	15.461683	0.217568	0.828
HOUR3	-23.675874	15.320978	-1.545324	0.122
HOUR4	-27.560893	15.313088	-1.799826	0.072
HOUR5	-22.823379	15.255078	-1.496117	0.135
HOUR6	-13.036030	15.095953	-0.863545	0.388
HOUR7	-9.234609	14.166248	-0.651874	0.515
HOUR8	-7.287286	12.234376	-0.595640	0.551
HOUR9	1.298464	9.502005	0.136652	0.891
HOUR10	-3.422931	6.018792	-0.568707	0.570
HOUR12	-15.629065	6.115532	-2.555635	0.011
HOUR13	-16.727964	9.816278	-1.704105	0.088
HOUR14	-29.369557	12.886567	-2.279083	0.023
HOUR15	-35.013407	15.351736	-2.280746	0.023
HOUR16	-49.576257	17.167193	-2.887849	0.004
HOUR17	-55.628971	18.395358	-3.024077	0.003
HOUR18	-62.246270	19.114258	-3.256536	0.001
HOUR19	-24.216473	19.379779	-1.249574	0.212
HOUR20	3.123343	19.247040	0.162277	0.871
HOUR21	5.646637	18.882591	0.299039	0.765
HOUR22	12.979257	18.352448	0.707222	0.479
HOUR23	14.040505	17.515350	0.801611	0.423
HOUR24	8.981736	16.602105	0.541000	0.589
WEEKEND	-10.134108	9.214153	-1.099842	0.272

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.966135	0.004983	193.903150	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	40122.663925	1.000000
1	38763.909130	0.966135

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1.1801005e+008

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2299
R-squared: 0.744
Standard Error of Estimate: 246.700
Variance of White Noise Error (sigsq): 21460.673
Variance of sigsq:3337450.938
-2*log(likelihood): 29453.412

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	4616.976268	252.108092	18.313479	0.000
INTER	0.494279	0.764057	0.646913	0.518
JULY	1.421073	20.521144	0.069249	0.945
MAY	-176.705897	23.683441	-7.461158	0.000
JUNE	-29.038693	20.939390	-1.386797	0.166
TEMP	-20.535079	4.458585	-4.605739	0.000
HUMID	-28.365384	6.025105	-4.707865	0.000
TEMPHUM	0.385489	0.066072	5.834333	0.000
TLAG	3.709058	3.699340	1.002627	0.316
TLAG2	4.556555	3.705571	1.229650	0.219
TLAG3	-2.070825	3.686289	-0.561764	0.574
TLAG4	0.802476	3.675025	0.218359	0.827
TLAG5	4.689606	2.712638	1.728799	0.084
HLAG	2.738019	4.709876	0.581336	0.561
HLAG2	1.745678	4.709215	0.370694	0.711
HLAG3	6.275693	3.380081	1.856669	0.063
HOUR1	-599.844753	46.533484	-12.890605	0.000
HOUR2	-688.649435	44.926180	-15.328466	0.000
HOUR3	-552.644912	44.080599	-12.537146	0.000
HOUR4	-581.137503	43.720666	-13.292055	0.000
HOUR5	-417.719702	43.362092	-9.633292	0.000
HOUR6	-404.072589	42.927247	-9.412963	0.000
HOUR7	-318.536444	42.070240	-7.571539	0.000
HOUR8	-118.132385	40.482218	-2.918130	0.004
HOUR9	-86.814584	38.815169	-2.236615	0.025
HOUR10	-45.731034	36.944348	-1.237836	0.216
HOUR12	-105.797494	36.408843	-2.905819	0.004
HOUR13	-62.626530	37.027810	-1.691338	0.091
HOUR14	-21.181144	37.885036	-0.559090	0.576
HOUR15	-47.272945	39.095242	-1.209174	0.227
HOUR16	-146.645150	40.414944	-3.628488	0.000
HOUR17	-247.163409	41.494021	-5.956603	0.000
HOUR18	-386.866711	42.691166	-9.061985	0.000
HOUR19	-482.687386	44.182259	-10.924914	0.000
HOUR20	-557.903809	46.009752	-12.125773	0.000
HOUR21	-481.587849	47.606879	-10.115930	0.000
HOUR22	-525.439769	48.685296	-10.792576	0.000
HOUR23	-498.509303	48.790807	-10.217279	0.000
HOUR24	-526.823358	48.019668	-10.970991	0.000
WEEKEND	-583.044699	11.651286	-50.041230	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.804279	0.012394	64.894157	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	60861.015214	1.000000
1	48967.095097	0.804572

Total Time for Computation and Printing: 0.11(seconds)

Number of Iterations: 12

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2299
R-squared: 0.920
Standard Error of Estimate: 328.683
Variance of White Noise Error (sigsq): 19010.226
Variance of sigsq:314387.735
-2*log(likelihood): 29173.974

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	3605.463658	536.033084	6.726196	0.000
INTER	0.256465	0.633293	0.404970	0.686
JULY	16.075048	84.381809	0.190504	0.849
MAY	-105.500996	104.133930	-1.013128	0.311
JUNE	-26.846531	92.425065	-0.290468	0.771
TEMP	-9.209582	6.658721	-1.383086	0.167
HUMID	-12.104886	8.603854	-1.406914	0.160
TEMPHUM	0.241032	0.111761	2.156670	0.031
TLAG	4.190639	1.507281	2.780263	0.005
TLAG2	4.898324	1.516438	3.230150	0.001
TLAG3	-1.094747	1.503795	-0.727989	0.467
TLAG4	0.639347	1.493669	0.428038	0.669
TLAG5	-0.613992	1.493042	-0.411235	0.681
HLAG	2.756147	1.833456	1.503252	0.133
HLAG2	1.207777	1.833963	0.658562	0.510
HLAG3	5.047834	1.854628	2.721750	0.007
HOUR1	-498.563402	45.312115	-11.002872	0.000
HOUR2	-598.167141	43.848014	-13.641830	0.000
HOUR3	-468.676230	43.149915	-10.861579	0.000
HOUR4	-500.301091	42.876102	-11.668530	0.000
HOUR5	-340.807174	42.484712	-8.021878	0.000
HOUR6	-331.662531	41.789494	-7.936505	0.000
HOUR7	-262.859073	39.075652	-6.726927	0.000
HOUR8	-78.587995	33.696269	-2.332246	0.020
HOUR9	-60.263645	26.344566	-2.287517	0.022
HOUR10	-32.382277	17.042541	-1.900085	0.058
HOUR12	-97.456596	17.218583	-5.659966	0.000
HOUR13	-41.814791	26.866016	-1.556419	0.120
HOUR14	10.846366	34.785947	0.311803	0.755
HOUR15	-2.393659	41.212937	-0.058080	0.954
HOUR16	-89.633655	46.007502	-1.948240	0.052
HOUR17	-181.321663	49.360779	-3.673395	0.000
HOUR18	-312.920829	51.438543	-6.083392	0.000
HOUR19	-400.746400	52.413362	-7.645882	0.000
HOUR20	-466.977863	52.437584	-8.905404	0.000
HOUR21	-381.808730	51.997622	-7.342811	0.000
HOUR22	-417.142967	51.195213	-8.148085	0.000
HOUR23	-384.756171	49.547706	-7.765368	0.000
HOUR24	-415.458289	47.356083	-8.773071	0.000
WEEKEND	-100.420345	25.557775	-3.929150	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.907763	0.008749	103.759054	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	108032.835773	1.000000
1	98068.164845	0.907763

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2465
R-squared: 0.295
Standard Error of Estimate: 284.506
Variance of White Noise Error (sigsq): 3201.803
Variance of sigsq:5492723.174
-2*log(likelihood): 26888.288

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	p-Value
CNST	2391.552279	274.231790	8.720916	0.000
INTER	1.855154	1.165260	1.592051	0.112
JULY	-197.268988	19.131194	-10.311379	0.000
MAY	5.546663	22.391198	0.247716	0.804
JUNE	-107.465929	19.398236	-5.539985	0.000
TEMP	-13.034457	4.830415	-2.698413	0.007
HUMID	-28.970995	6.432364	-4.503942	0.000
TEMPHUM	0.272356	0.069350	3.927248	0.000
TLAG	2.910941	4.169140	0.698211	0.485
TLAG2	1.393480	4.171834	0.334021	0.738
TLAG3	0.813145	4.147362	0.196063	0.845
TLAG4	0.481359	4.134996	0.116411	0.907
TLAG5	4.011742	3.039782	1.319747	0.187
HLAG	0.823176	5.115460	0.160919	0.872
HLAG2	2.101369	5.115077	0.410819	0.681
HLAG3	1.007357	3.672270	0.274314	0.784
HOUR1	-173.602404	51.810504	-3.350718	0.001
HOUR2	-162.845483	49.979720	-3.258231	0.001
HOUR3	-159.599196	49.054031	-3.253539	0.001
HOUR4	-152.007048	48.660908	-3.123802	0.002

HOUR5	-140.041798	48.268223	-2.901325	0.004
HOUR6	-127.335486	47.727543	-2.667967	0.008
HOUR7	-55.918050	46.766428	-1.195688	0.232
HOUR8	-35.837688	45.080069	-0.794979	0.427
HOUR9	-33.089674	43.250121	-0.765077	0.444
HOUR10	-9.835028	41.123159	-0.239160	0.811
HOUR12	-13.656377	40.512541	-0.337090	0.736
HOUR13	-29.778316	41.240035	-0.722073	0.470
HOUR14	-103.036273	42.216853	-2.440643	0.015
HOUR15	-93.078766	43.594501	-2.135103	0.033
HOUR16	-90.871970	45.095311	-2.015109	0.044
HOUR17	-113.751559	46.314378	-2.456074	0.014
HOUR18	-123.235788	47.715583	-2.582716	0.010
HOUR19	-134.215869	49.412341	-2.716242	0.007
HOUR20	-156.267214	51.467881	-3.036208	0.002
HOUR21	-173.407315	53.295737	-3.253681	0.001
HOUR22	-194.349692	54.418366	-3.571399	0.000
HOUR23	-202.414320	54.329936	-3.725650	0.000
HOUR24	-195.391311	53.467633	-3.654385	0.000
WEEKEND	-245.681127	12.939245	-18.987284	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.980438	0.003964	247.309373	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	80943.529782	1.000000
1	79260.691778	0.979210

Total Time for Computation and Printing: 0.05(seconds)
Number of Iterations: 4

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2465
R-squared:	0.980
Standard Error of Estimate:	316.793
Variance of White Noise Error (sigsq):	2339.259
Variance of sigsq:	4439.866
-2*log(likelihood):	26114.067

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	1068.734318	227.143536	4.705106	0.000
INTER	0.038721	0.365981	0.105801	0.916
JULY	17.975425	47.629192	0.377404	0.706
MAY	60.539384	80.119120	0.755617	0.450
JUNE	27.133643	65.885155	0.411832	0.680
TEMP	-0.198344	2.363627	-0.083915	0.933

HUMID	-3.684604	3.049653	-1.208204	0.227
TEMPHUM	0.052399	0.038948	1.345351	0.179
TLAG	2.988366	0.510152	5.857791	0.000
TLAG2	1.298766	0.509326	2.549967	0.011
TLAG3	1.095707	0.507813	2.157697	0.031
TLAG4	0.358886	0.504324	0.711618	0.477
TLAG5	-0.177693	0.503294	-0.353059	0.724
HLAG	1.057471	0.617278	1.713118	0.087
HLAG2	1.401222	0.617724	2.268363	0.023
HLAG3	0.289459	0.618067	0.468329	0.640
HOUR1	-125.385538	15.268242	-8.212179	0.000
HOUR2	-122.080010	14.856309	-8.217385	0.000
HOUR3	-126.717794	14.731182	-8.602011	0.000
HOUR4	-123.862392	14.736222	-8.405302	0.000
HOUR5	-116.901178	14.701631	-7.951579	0.000
HOUR6	-110.176002	14.568293	-7.562726	0.000
HOUR7	-52.955488	13.660247	-3.876613	0.000
HOUR8	-37.407149	11.807314	-3.168134	0.002
HOUR9	-32.178443	9.177278	-3.506317	0.000
HOUR10	-8.116669	5.814987	-1.395819	0.163
HOUR12	4.467073	5.928756	0.753459	0.451
HOUR13	5.402089	9.517614	0.567589	0.570
HOUR14	-54.893067	12.494628	-4.393333	0.000
HOUR15	-31.436966	14.881125	-2.112540	0.035
HOUR16	-19.038921	16.637228	-1.144357	0.253
HOUR17	-35.339573	17.832246	-1.981779	0.048
HOUR18	-42.558247	18.491746	-2.301473	0.021
HOUR19	-55.447746	18.717174	-2.962399	0.003
HOUR20	-80.222966	18.542004	-4.326553	0.000
HOUR21	-99.656950	18.155807	-5.488985	0.000
HOUR22	-123.113792	17.605166	-6.993049	0.000
HOUR23	-132.255490	16.799520	-7.872575	0.000
HOUR24	-130.993918	15.949826	-8.212875	0.000
WEEKEND	-30.426372	8.888009	-3.423306	0.001

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.988277	0.003075	321.383245	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	100357.728649	1.000000
1	99181.202566	0.988277

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6.5600679e+009

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2755
R-squared:	0.481
Standard Error of Estimate:	193.857
Variance of White Noise Error (sigsq):	3461.600
Variance of sigsq:	1055685.999
-2*log(likelihood):	30267.805

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	1795.328500	178.296159	10.069362	0.000
INTER	0.892092	0.846798	1.053489	0.292
JULY	57.584341	11.683360	4.928748	0.000
MAY	61.873126	14.133128	4.377879	0.000
JUNE	165.442070	11.884204	13.921174	0.000
TEMP	-10.369293	3.128422	-3.314544	0.001
HUMID	-17.888263	4.170127	-4.289621	0.000
TEMPHUM	0.145255	0.044259	3.281899	0.001
TLAG	-0.365764	2.715068	-0.134716	0.893
TLAG2	0.620465	2.717356	0.228334	0.819
TLAG3	-0.061386	2.693176	-0.022793	0.982
TLAG4	0.387282	2.678150	0.144608	0.885
TLAG5	2.838571	1.975594	1.436819	0.151
HLAG	-0.147205	3.415176	-0.043103	0.966
HLAG2	1.322593	3.414837	0.387308	0.699
HLAG3	2.483853	2.442892	1.016768	0.309
HOUR1	-131.165621	33.466764	-3.919280	0.000
HOUR2	-127.613264	32.325090	-3.947808	0.000
HOUR3	-121.177387	31.738057	-3.818047	0.000
HOUR4	-114.289667	31.532309	-3.624526	0.000
HOUR5	-99.377388	31.216905	-3.183448	0.001
HOUR6	-75.702348	30.853970	-2.453569	0.014
HOUR7	-57.660201	30.235759	-1.907020	0.057
HOUR8	-17.783139	29.122057	-0.610642	0.541
HOUR9	-5.983352	27.863043	-0.214742	0.830
HOUR10	1.037422	26.475284	0.039185	0.969
HOUR12	-16.182793	26.131007	-0.619295	0.536
HOUR13	-32.108011	26.623803	-1.205989	0.228
HOUR14	-40.210024	27.285661	-1.473669	0.141
HOUR15	-71.344764	28.187567	-2.531072	0.011
HOUR16	-89.295221	29.156394	-3.062629	0.002
HOUR17	-102.576689	29.969569	-3.422695	0.001
HOUR18	-112.425360	30.893151	-3.639168	0.000
HOUR19	-132.125769	32.046799	-4.122901	0.000
HOUR20	-139.464976	33.454940	-4.168741	0.000
HOUR21	-135.555904	34.673241	-3.909525	0.000
HOUR22	-139.070199	35.370921	-3.931766	0.000
HOUR23	-148.172878	35.276641	-4.200311	0.000
HOUR24	-137.147134	34.585509	-3.965451	0.000
WEEKEND	-392.007288	8.456668	-46.354818	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.952623	0.005795	164.395833	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	37580.401474	1.000000
1	35802.624067	0.952694

Total Time for Computation and Printing: 0.06(seconds)
Number of Iterations: 5

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2755
R-squared: 0.978
Standard Error of Estimate: 262.049
Variance of White Noise Error (sigsq): 1610.965
Variance of sigsq: 1883.998
-2*log(likelihood): 28159.140

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	925.988368	182.091256	5.085298	0.000
INTER	-0.085675	0.216558	-0.395622	0.692
JULY	-8.218289	39.088786	-0.210247	0.833
MAY	7.554334	65.513658	0.115309	0.908
JUNE	12.168348	53.848820	0.225972	0.821
TEMP	-0.588315	1.869942	-0.314617	0.753
HUMID	-1.242956	2.431289	-0.511234	0.609
TEMPHUM	0.015303	0.030760	0.497503	0.619
TLAG	-0.102218	0.406736	-0.251314	0.802
TLAG2	0.704698	0.406491	1.733611	0.083
TLAG3	0.259306	0.406023	0.638648	0.523
TLAG4	0.041592	0.399487	0.104112	0.917
TLAG5	0.231080	0.398959	0.579208	0.562
HLAG	0.053588	0.500775	0.107010	0.915
HLAG2	0.456592	0.500994	0.911372	0.362
HLAG3	0.297446	0.501277	0.593377	0.553
HOUR1	-73.545439	12.092746	-6.081781	0.000
HOUR2	-75.827137	11.790249	-6.431343	0.000
HOUR3	-72.411878	11.699438	-6.189347	0.000
HOUR4	-66.630922	11.716631	-5.686867	0.000
HOUR5	-54.190019	11.694116	-4.633956	0.000
HOUR6	-32.324101	11.594154	-2.787965	0.005
HOUR7	-28.739098	10.900724	-2.636439	0.008
HOUR8	-0.061378	9.420707	-0.006515	0.995
HOUR9	5.841458	7.306853	0.799449	0.424
HOUR10	7.288270	4.606369	1.582216	0.114
HOUR12	-9.271828	4.682434	-1.980130	0.048
HOUR13	-17.287463	7.561670	-2.286196	0.022
HOUR14	-20.046543	9.951117	-2.014502	0.044

HOUR15	-44.047984	11.858227	-3.714551	0.000
HOUR16	-55.965861	13.264964	-4.219074	0.000
HOUR17	-63.770663	14.214582	-4.486285	0.000
HOUR18	-70.696734	14.753560	-4.791842	0.000
HOUR19	-88.174250	14.939555	-5.902067	0.000
HOUR20	-91.174391	14.810249	-6.156169	0.000
HOUR21	-81.530808	14.499713	-5.622926	0.000
HOUR22	-80.454284	14.030940	-5.734062	0.000
HOUR23	-85.426439	13.357267	-6.395503	0.000
HOUR24	-75.340106	12.641105	-5.959930	0.000
WEEKEND	-3.750524	7.136973	-0.525506	0.599

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.988201	0.002918	338.645580	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	68669.678673	1.000000
1	67859.416049	0.988201

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2731
R-squared: 0.809
Standard Error of Estimate: 178.200
Variance of White Noise Error (sigsq): 5369.351
Variance of sigsq:760598.149
-2*log(likelihood): 31203.555

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	485.494753	164.645169	2.948734	0.003
INTER	-1.245200	0.723701	-1.720599	0.085
JULY	-68.088278	10.746639	-6.335774	0.000
MAY	-133.556263	13.201981	-10.116381	0.000
JUNE	-71.255926	10.931040	-6.518677	0.000
TEMP	17.873318	2.890201	6.184110	0.000
HUMID	16.757478	3.844198	4.359161	0.000
TEMPHUM	-0.228952	0.040839	-5.606168	0.000
TLAG	3.135184	2.498460	1.254847	0.210

TLAG2	1.347801	2.499290	0.539274	0.590
TLAG3	0.323394	2.477843	0.130514	0.896
TLAG4	1.582128	2.467271	0.641246	0.521
TLAG5	2.667122	1.817986	1.467075	0.142
HLAG	0.810008	3.145192	0.257538	0.797
HLAG2	0.392176	3.145032	0.124697	0.901
HLAG3	3.617335	2.250277	1.607507	0.108
HOUR1	-507.434956	30.814071	-16.467638	0.000
HOUR2	-652.380794	29.776584	-21.909189	0.000
HOUR3	-686.571493	29.235907	-23.483845	0.000
HOUR4	-576.266100	29.047996	-19.838412	0.000
HOUR5	-335.121492	28.780024	-11.644240	0.000
HOUR6	-212.806051	28.446276	-7.480981	0.000
HOUR7	-147.703839	27.873729	-5.299034	0.000
HOUR8	-84.238110	26.833766	-3.139258	0.002
HOUR9	-49.730254	25.663781	-1.937760	0.053
HOUR10	-6.725726	24.411294	-0.275517	0.783
HOUR12	-31.191192	24.117520	-1.293300	0.196
HOUR13	-35.615994	24.569135	-1.449623	0.147
HOUR14	-51.253624	25.184254	-2.035146	0.042
HOUR15	-103.000119	26.003828	-3.960960	0.000
HOUR16	-178.703394	26.893276	-6.644910	0.000
HOUR17	-233.360550	27.635280	-8.444298	0.000
HOUR18	-264.703108	28.479187	-9.294616	0.000
HOUR19	-288.197099	29.534694	-9.757917	0.000
HOUR20	-336.702579	30.824332	-10.923272	0.000
HOUR21	-324.400376	31.931951	-10.159115	0.000
HOUR22	-358.725679	32.573726	-11.012731	0.000
HOUR23	-384.765896	32.484691	-11.844530	0.000
HOUR24	-438.436167	31.849459	-13.765891	0.000
WEEKEND	-479.032422	7.782673	-61.551146	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.911548	0.007868	115.849294	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	31755.246038	1.000000
1	28935.655981	0.911209

Total Time for Computation and Printing: 0.09(seconds)
Number of Iterations: 8

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2731
R-squared: 0.980
Standard Error of Estimate: 278.733
Variance of White Noise Error (sigsq): 3269.496
Variance of sigsq: 7828.343
-2*log(likelihood): 29847.394

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	1340.134628	247.255566	5.420038	0.000
INTER	-0.236686	0.434304	-0.544978	0.586
JULY	-11.839424	52.253699	-0.226576	0.821
MAY	-26.626046	82.523370	-0.322649	0.747
JUNE	-54.253362	68.747287	-0.789171	0.430
TEMP	9.026767	2.665182	3.386923	0.001
HUMID	6.836190	3.452906	1.979836	0.048
TEMPHUM	-0.096821	0.043742	-2.213484	0.027
TLAG	3.545910	0.580058	6.113029	0.000
TLAG2	2.209166	0.579227	3.813991	0.000
TLAG3	0.512965	0.577558	0.888161	0.375
TLAG4	1.100712	0.571167	1.927130	0.054
TLAG5	0.067850	0.570454	0.118941	0.905
HLAG	1.173627	0.715258	1.640846	0.101
HLAG2	0.220294	0.715633	0.307832	0.758
HLAG3	-0.880889	0.716329	-1.229728	0.219
HOUR1	-485.171476	17.287730	-28.064498	0.000
HOUR2	-638.057462	16.842585	-37.883583	0.000
HOUR3	-678.201450	16.693429	-40.626850	0.000
HOUR4	-571.806681	16.701312	-34.237231	0.000
HOUR5	-333.723198	16.662285	-20.028657	0.000
HOUR6	-213.400539	16.498285	-12.934711	0.000
HOUR7	-145.600362	15.509710	-9.387691	0.000
HOUR8	-82.061140	13.413503	-6.117801	0.000
HOUR9	-49.550396	10.413402	-4.758329	0.000
HOUR10	-5.481323	6.580995	-0.832902	0.405
HOUR12	-28.008954	6.696703	-4.182499	0.000
HOUR13	-24.031417	10.783534	-2.228529	0.026
HOUR14	-31.168375	14.180511	-2.197973	0.028
HOUR15	-78.632722	16.896463	-4.653798	0.000
HOUR16	-149.167427	18.896571	-7.893889	0.000
HOUR17	-199.985093	20.251075	-9.875283	0.000
HOUR18	-232.474139	21.023634	-11.057752	0.000
HOUR19	-256.431638	21.301397	-12.038255	0.000
HOUR20	-307.129375	21.131324	-14.534318	0.000
HOUR21	-293.822840	20.701844	-14.193076	0.000
HOUR22	-325.064531	20.047155	-16.214996	0.000
HOUR23	-350.490927	19.097478	-18.352734	0.000
HOUR24	-407.841163	18.080773	-22.556622	0.000
WEEKEND	-50.688029	10.188547	-4.975001	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.978732	0.003925	249.328897	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	77692.006220	1.000000
1	76039.687935	0.978732

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------------------------ INITIAL ESTIMATES ----------------------

convergence tolerance set to    0.00001

DEPENDENT VARIABLE:                 KWH
                 Number of Observations:    2563
                              R-squared:     0.917
            Standard Error of Estimate:   404.284
 Variance of White Noise Error (sigsq):105115.392
                    Variance of sigsq:21512437.067
                   -2*log(likelihood): 36908.530

                COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var              Coef          Std. Error      t-Ratio       P-Value
--------------------------------------------------------------------
CNST        13254.780066     381.566714       34.737779       0.000
INTER          -5.520372       1.234207       -4.472810       0.000
JULY         -169.954253      26.962406       -6.303379       0.000
MAY          -437.538150      31.987608      -13.678364       0.000
JUNE         -286.295344      27.452567      -10.428728       0.000
TEMP         -104.431431       6.728075      -15.521739       0.000
HUMID        -147.183304       9.012269      -16.331436       0.000
TEMPHUM         2.216140       0.096556       22.951757       0.000
TLAG           19.659481       5.815104        3.380762       0.001
TLAG2           6.636069       5.820706        1.140080       0.254
TLAG3          -5.547155       5.776257       -0.960337       0.337
TLAG4           9.338162       5.750963        1.623756       0.105
TLAG5           7.739075       4.228588        1.830179       0.067
HLAG           13.859932       7.291031        1.900956       0.057
HLAG2           7.779829       7.289516        1.067263       0.286
HLAG3           2.244692       5.225138        0.429595       0.668
HOUR1       -1771.928660      71.959012      -24.624138       0.000
HOUR2       -1725.183073      69.448209      -24.841290       0.000
HOUR3       -1527.321483      68.239873      -22.381658       0.000
HOUR4        -971.714694      67.757840      -14.340993       0.000
HOUR5        -272.038856      67.082816       -4.055269       0.000
HOUR6         134.122858      66.359892        2.021143       0.043
HOUR7         412.023371      65.064069        6.332579       0.000
HOUR8         427.817311      62.697443        6.823521       0.000
HOUR9         132.620632      60.194693        2.203195       0.028
HOUR10         47.640921      57.297497        0.831466       0.406
HOUR12        129.424296      56.510106        2.290286       0.022
HOUR13        353.246221      57.478409        6.145720       0.000
HOUR14        712.377773      58.838349       12.107372       0.000
HOUR15        942.748344      60.719546       15.526275       0.000
HOUR16        825.325385      62.779335       13.146450       0.000
HOUR17        627.802626      64.476399        9.736937       0.000
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HOUR18	744.608484	66.422203	11.210235	0.000
HOUR19	640.012903	68.818321	9.300037	0.000
HOUR20	259.037206	71.768697	3.609334	0.000
HOUR21	-182.714464	74.266314	-2.460260	0.014
HOUR22	-741.723942	75.788687	-9.786737	0.000
HOUR23	-1348.461014	75.658336	-17.823033	0.000
HOUR24	-1761.071312	74.314931	-23.697409	0.000
WEEKEND	-351.397757	18.309403	-19.192201	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.597172	0.015844	37.691001	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	163445.420206	1.000000
1	97639.045788	0.597380

Total Time for Computation and Printing: 0.08(seconds)
Number of Iterations: 6

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2563
R-squared: 0.947
Standard Error of Estimate: 407.609
Variance of White Noise Error (sigsq):104274.420
Variance of sigsq:8484709.103
-2*log(likelihood): 36887.918

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	11287.897005	670.013635	16.847265	0.000
INTER	-3.967952	1.472941	-2.693897	0.007
JULY	-216.569418	52.843148	-4.098344	0.000
MAY	-469.696933	63.266636	-7.424086	0.000
JUNE	-337.709687	53.993739	-6.254608	0.000
TEMP	-79.836301	10.037535	-7.953775	0.000
HUMID	-111.586425	13.269593	-8.409182	0.000
TEMPHUM	1.676828	0.165112	10.155719	0.000
TLAG	21.292750	3.557830	5.984757	0.000
TLAG2	8.838600	3.644664	2.425080	0.015
TLAG3	-5.479393	3.625721	-1.511256	0.131
TLAG4	10.148418	3.508391	2.892613	0.004
TLAG5	6.037500	3.348210	1.803202	0.071
HLAG	19.393157	4.343365	4.465008	0.000
HLAG2	12.667378	4.339738	2.918927	0.004
HLAG3	-3.991006	4.132110	-0.965852	0.334
HOUR1	-1816.814117	82.225405	-22.095533	0.000
HOUR2	-1772.532726	78.808473	-22.491652	0.000

HOUR3	-1578.072035	77.016524	-20.490045	0.000
HOUR4	-1025.350165	76.133299	-13.467828	0.000
HOUR5	-326.805900	75.051617	-4.354415	0.000
HOUR6	79.182956	73.687701	1.074575	0.283
HOUR7	370.872509	69.798969	5.313438	0.000
HOUR8	403.045974	62.112009	6.489018	0.000
HOUR9	112.723048	51.799378	2.176147	0.030
HOUR10	42.349724	37.441991	1.131076	0.258
HOUR12	118.582607	36.703327	3.230841	0.001
HOUR13	346.581006	49.286634	7.031947	0.000
HOUR14	711.291963	58.021551	12.259100	0.000
HOUR15	931.896984	64.995294	14.337915	0.000
HOUR16	811.327255	70.597966	11.492219	0.000
HOUR17	615.122422	74.778259	8.225953	0.000
HOUR18	728.945028	78.241457	9.316609	0.000
HOUR19	619.988992	81.545731	7.602961	0.000
HOUR20	228.886536	85.234263	2.685382	0.007
HOUR21	-225.435987	88.577235	-2.545078	0.011
HOUR22	-786.337792	90.489092	-8.689863	0.000
HOUR23	-1390.861879	89.413324	-15.555421	0.000
HOUR24	-1805.010606	86.185536	-20.943312	0.000
WEEKEND	-299.672899	33.355999	-8.984078	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.610236	0.015648	38.996603	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	166144.793486	1.000000
1	101387.575110	0.610236

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2755
R-squared: 0.739
Standard Error of Estimate: 78.909
Variance of White Noise Error (sigsq): 3647.901
Variance of sigsq: 28981.610
-2*log(likelihood): 30414.071

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	755.588160	72.575314	10.411090	0.000
INTER	-0.276112	0.344689	-0.801048	0.423
JULY	-36.849006	4.755703	-7.748383	0.000
MAY	-38.217163	5.752879	-6.643137	0.000
JUNE	-44.281365	4.837456	-9.153854	0.000
TEMP	2.357351	1.273422	1.851194	0.064
HUMID	4.165008	1.697447	2.453690	0.014
TEMPHUM	-0.047523	0.018016	-2.637850	0.008
TLAG	-0.478436	1.105166	-0.432908	0.665
TLAG2	-3.880956	1.106098	-3.508692	0.000
TLAG3	-2.257120	1.096255	-2.058936	0.040
TLAG4	0.750071	1.090139	0.688050	0.491
TLAG5	1.607018	0.804164	1.998372	0.046
HLAG	1.076620	1.390145	0.774466	0.439
HLAG2	-0.946753	1.390007	-0.681114	0.496
HLAG3	3.118252	0.994377	3.135885	0.002
HOUR1	-178.299915	13.622621	-13.088518	0.000
HOUR2	-259.140494	13.157903	-19.694665	0.000
HOUR3	-306.702222	12.918952	-23.740488	0.000
HOUR4	-368.780438	12.835202	-28.731955	0.000
HOUR5	-402.257874	12.706817	-31.656855	0.000
HOUR6	-414.631926	12.559085	-33.014502	0.000
HOUR7	-365.145636	12.307442	-29.668686	0.000
HOUR8	-261.867060	11.854111	-22.090822	0.000
HOUR9	-156.862606	11.341630	-13.830693	0.000
HOUR10	-93.167363	10.776744	-8.645224	0.000
HOUR12	33.284524	10.636606	3.129243	0.002
HOUR13	70.578346	10.837199	6.512601	0.000
HOUR14	57.268489	11.106607	5.156254	0.000
HOUR15	37.530026	11.473727	3.270953	0.001
HOUR16	10.798781	11.868088	0.909901	0.363
HOUR17	3.926822	12.199090	0.321895	0.748
HOUR18	-1.734322	12.575033	-0.137918	0.890
HOUR19	-2.173283	13.044625	-0.166604	0.868
HOUR20	5.031668	13.617808	0.369492	0.712
HOUR21	1.409176	14.113716	0.099844	0.920
HOUR22	-4.425035	14.397706	-0.307343	0.759
HOUR23	-27.624158	14.359330	-1.923778	0.054
HOUR24	-93.029609	14.078005	-6.608153	0.000
WEEKEND	-30.111924	3.442280	-8.747668	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.643416	0.014585	44.116214	+DEN

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	6226.661983	1.000000
1	4006.466312	0.643437

Total Time for Computation and Printing: 0.06(seconds)
Number of Iterations: 6

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2755
R-squared:	0.848
Standard Error of Estimate:	79.148
Variance of White Noise Error (sigsq):	3638.456
Variance of sigsq:	9610.428
-2*log(likelihood):	30406.920

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	866.536985	131.541349	6.587563	0.000
INTER	-0.540375	0.353135	-1.530222	0.126
JULY	-32.795096	9.855788	-3.327496	0.001
MAY	-35.052134	12.020521	-2.916025	0.004
JUNE	-42.287028	10.071201	-4.198807	0.000
TEMP	0.691557	1.932941	0.357775	0.721
HUMID	2.168462	2.549415	0.850572	0.395
TEMPHUM	-0.014177	0.031756	-0.446440	0.655
TLAG	-0.439379	0.641419	-0.685011	0.493
TLAG2	-3.824770	0.656300	-5.827780	0.000
TLAG3	-2.321485	0.652433	-3.558199	0.000
TLAG4	0.682994	0.630820	1.082709	0.279
TLAG5	1.736861	0.609332	2.850433	0.004
HLAG	1.342072	0.780844	1.718746	0.086
HLAG2	-0.612516	0.780374	-0.784901	0.433
HLAG3	2.017396	0.751880	2.683135	0.007
HOUR1	-176.493787	15.425902	-11.441392	0.000
HOUR2	-256.998733	14.807508	-17.355975	0.000
HOUR3	-304.177715	14.464299	-21.029551	0.000
HOUR4	-365.873167	14.301576	-25.582717	0.000
HOUR5	-398.998894	14.092311	-28.313234	0.000
HOUR6	-411.321652	13.807989	-29.788673	0.000
HOUR7	-362.541855	13.047172	-27.787006	0.000
HOUR8	-260.703913	11.529657	-22.611593	0.000
HOUR9	-156.950095	9.475297	-16.564135	0.000
HOUR10	-93.105571	6.722846	-13.849130	0.000
HOUR12	33.259925	6.592713	5.044953	0.000
HOUR13	70.380770	9.036290	7.788680	0.000
HOUR14	57.015518	10.795696	5.281319	0.000
HOUR15	36.595802	12.210950	2.996966	0.003
HOUR16	9.606807	13.333532	0.720500	0.471
HOUR17	3.098288	14.171595	0.218627	0.827
HOUR18	-3.169965	14.848388	-0.213489	0.831
HOUR19	-4.249977	15.485956	-0.274441	0.784
HOUR20	2.902435	16.163590	0.179566	0.858
HOUR21	-0.031645	16.778222	-0.001886	0.998
HOUR22	-4.927639	17.083589	-0.288443	0.773
HOUR23	-27.131379	16.834198	-1.611682	0.107
HOUR24	-91.739698	16.182194	-5.669175	0.000
WEEKEND	-19.136315	6.461608	-2.961541	0.003

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.647444	0.014520	44.590674	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	6264.389324	1.000000
1	4055.843523	0.647444

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2751
R-squared: 0.679
Standard Error of Estimate: 413.795
Variance of White Noise Error (sigsq): 24690.349
Variance of sigsq:21948314.056
-2*log(likelihood): 35629.131

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	3368.229513	384.614049	8.757427	0.000
INTER	0.228029	1.258810	0.181147	0.856
JULY	-273.691360	24.957495	-10.966299	0.000
MAY	-27.703221	30.160945	-0.918513	0.358
JUNE	39.039079	25.360288	1.539378	0.124
TEMP	-28.269750	6.709269	-4.213537	0.000
HUMID	-46.814676	8.988629	-5.208211	0.000
TEMPHUM	0.593350	0.095813	6.192793	0.000
TLAG	6.913740	5.767152	1.198813	0.231
TLAG2	2.351728	5.770053	0.407575	0.684
TLAG3	0.260877	5.717180	0.045630	0.964
TLAG4	3.241852	5.690225	0.569723	0.569
TLAG5	2.578497	4.186763	0.615869	0.538
HLAG	1.155582	7.289777	0.158521	0.874
HLAG2	2.526078	7.288714	0.346574	0.729
HLAG3	4.189472	5.214493	0.803428	0.422
HOUR1	-670.463539	71.493405	-9.377977	0.000
HOUR2	-627.305173	69.082313	-9.080547	0.000
HOUR3	-655.529937	67.846995	-9.661886	0.000
HOUR4	-478.845383	67.423904	-7.102012	0.000
HOUR5	-367.954891	66.760818	-5.511540	0.000

HOUR6	-322.772979	65.992024	-4.891091	0.000
HOUR7	-103.166031	64.649044	-1.595786	0.111
HOUR8	23.605283	62.326396	0.378737	0.705
HOUR9	-6.748544	59.644448	-0.113146	0.910
HOUR10	36.443942	56.729459	0.642417	0.521
HOUR12	-70.401582	55.874764	-1.259989	0.208
HOUR13	-67.159598	56.891937	-1.180477	0.238
HOUR14	-156.795947	58.285950	-2.690116	0.007
HOUR15	-558.390805	60.198041	-9.275897	0.000
HOUR16	-839.603072	62.277312	-13.481685	0.000
HOUR17	-1014.695515	64.053635	-15.841342	0.000
HOUR18	-1105.497815	66.017417	-16.745548	0.000
HOUR19	-1154.385732	68.453842	-16.863710	0.000
HOUR20	-1105.783838	71.447622	-15.476846	0.000
HOUR21	-971.108088	74.032626	-13.117299	0.000
HOUR22	-890.270202	75.507041	-11.790559	0.000
HOUR23	-718.975980	75.296266	-9.548627	0.000
HOUR24	-683.089188	73.840698	-9.250850	0.000
WEEKEND	-907.011663	18.065744	-50.206161	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.925653	0.007214	128.313339	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	171226.037930	1.000000
1	158247.712141	0.924204

Total Time for Computation and Printing: 0.09(seconds)
Number of Iterations: 7

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2751
R-squared: 0.970
Standard Error of Estimate: 585.539
Variance of White Noise Error (sigsq): 15990.064
Variance of sigsq:185883.059
-2*log(likelihood): 34432.852

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	1722.930906	543.658988	3.169139	0.002
INTER	0.042917	0.562146	0.076345	0.939
JULY	-7.556049	113.435944	-0.066611	0.947
MAY	33.154643	175.675038	0.188727	0.850
JUNE	32.925807	147.296422	0.223534	0.823
TEMP	-10.254986	5.870219	-1.746951	0.081
HUMID	-20.383669	7.623220	-2.673892	0.008

TEMPHUM	0.288471	0.096497	2.989444	0.003
TLAG	7.055903	1.267107	5.568514	0.000
TLAG2	2.484319	1.267001	1.960787	0.050
TLAG3	0.473904	1.267917	0.373766	0.709
TLAG4	1.864584	1.253322	1.487713	0.137
TLAG5	1.817103	1.251957	1.451410	0.147
HLAG	1.818400	1.578881	1.151702	0.250
HLAG2	1.625331	1.578849	1.029440	0.303
HLAG3	2.001559	1.581120	1.265912	0.206
HOUR1	-636.197207	37.998734	-16.742590	0.000
HOUR2	-596.660220	36.936668	-16.153602	0.000
HOUR3	-626.333498	36.530156	-17.145656	0.000
HOUR4	-450.807518	36.452720	-12.366910	0.000
HOUR5	-342.045143	36.238022	-9.438847	0.000
HOUR6	-299.048684	35.777071	-8.358669	0.000
HOUR7	-88.230622	33.393958	-2.642113	0.008
HOUR8	18.672318	28.876422	0.646629	0.518
HOUR9	-10.019271	22.503139	-0.445239	0.656
HOUR10	34.798177	14.341373	2.426419	0.015
HOUR12	-47.415752	14.614032	-3.244536	0.001
HOUR13	-38.054345	23.523357	-1.617726	0.106
HOUR14	-124.308693	30.949330	-4.016523	0.000
HOUR15	-524.188961	36.931332	-14.193611	0.000
HOUR16	-802.841270	41.383996	-19.399801	0.000
HOUR17	-975.239206	44.431755	-21.949149	0.000
HOUR18	-1063.954429	46.154005	-23.052267	0.000
HOUR19	-1112.162836	46.790333	-23.769073	0.000
HOUR20	-1061.723038	46.461420	-22.851713	0.000
HOUR21	-925.645580	45.576897	-20.309535	0.000
HOUR22	-844.116796	44.169416	-19.110889	0.000
HOUR23	-671.160086	42.071859	-15.952708	0.000
HOUR24	-637.918572	39.789524	-16.032325	0.000
WEEKEND	-22.439573	22.537267	-0.995665	0.320

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.976403	0.004117	237.140096	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	342855.949625	1.000000
1	334765.460584	0.976403

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2755
R-squared:	0.602
Standard Error of Estimate:	12.704
Variance of White Noise Error (sigsq):	38.964
Variance of sigsq:	19.470
-2*log(likelihood):	17907.471

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	101.514286	11.801131	8.602081	0.000
INTER	0.043125	0.038646	1.115882	0.265
JULY	0.074412	0.765653	0.097187	0.923
MAY	5.986498	0.926190	6.463576	0.000
JUNE	9.033577	0.778858	11.598485	0.000
TEMP	-0.369888	0.206452	-1.791642	0.073
HUMID	-0.964494	0.275932	-3.495403	0.000
TEMPHUM	0.007609	0.002941	2.586840	0.010
TLAG	0.006138	0.177872	0.034509	0.972
TLAG2	-0.070009	0.178017	-0.393272	0.694
TLAG3	-0.047004	0.176410	-0.266451	0.790
TLAG4	0.075487	0.175509	0.430101	0.667
TLAG5	0.125518	0.129470	0.969483	0.332
HLAG	-0.019834	0.223800	-0.088626	0.929
HLAG2	-0.012970	0.223779	-0.057960	0.954
HLAG3	0.309958	0.160091	1.936141	0.053
HOUR1	-12.936508	2.193754	-5.896972	0.000
HOUR2	-13.214491	2.119005	-6.236177	0.000
HOUR3	-13.057559	2.080594	-6.275881	0.000
HOUR4	-11.031139	2.067232	-5.336189	0.000
HOUR5	-11.266594	2.046645	-5.504910	0.000
HOUR6	-11.077949	2.022888	-5.476304	0.000
HOUR7	-2.526394	1.982354	-1.274441	0.203
HOUR8	0.119923	1.908879	0.062824	0.950
HOUR9	0.761540	1.826163	0.417016	0.677
HOUR10	0.518251	1.735057	0.298694	0.765
HOUR12	-0.289749	1.712825	-0.169165	0.866
HOUR13	2.305006	1.745070	1.320868	0.187
HOUR14	14.626622	1.788426	8.178489	0.000
HOUR15	7.629318	1.847590	4.129335	0.000
HOUR16	1.053972	1.910839	0.551575	0.581
HOUR17	0.150581	1.964483	0.076652	0.939
HOUR18	-4.358538	2.025034	-2.152329	0.031
HOUR19	-2.553029	2.100133	-1.215651	0.224
HOUR20	-6.742904	2.192446	-3.075517	0.002
HOUR21	-3.908534	2.272354	-1.720037	0.086
HOUR22	-8.631696	2.318162	-3.723508	0.000
HOUR23	-13.007004	2.312058	-5.625724	0.000
HOUR24	-14.564152	2.266925	-6.424628	0.000
WEEKEND	-29.352488	0.554296	-52.954583	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value

1	0.871045	0.009358	93.076571	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	161.391546	1.000000
1	140.501884	0.870565

Total Time for Computation and Printing: 0.09(seconds)
Number of Iterations: 8

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2755
R-squared:	0.924
Standard Error of Estimate:	17.740
Variance of White Noise Error (sigsq):	30.717
Variance of sigsq:	0.685
-2*log(likelihood):	17251.362

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	86.995797	22.577824	3.853152	0.000
INTER	-0.002731	0.024925	-0.109572	0.913
JULY	-0.399632	3.935213	-0.101553	0.919
MAY	3.193262	5.294882	0.603085	0.547
JUNE	5.187457	4.578917	1.132900	0.257
TEMP	-0.253851	0.258373	-0.982498	0.326
HUMID	-0.401028	0.335708	-1.194572	0.232
TEMPHUM	0.004149	0.004258	0.974381	0.330
TLAG	0.026681	0.056367	0.473347	0.636
TLAG2	-0.040809	0.056487	-0.722451	0.470
TLAG3	-0.015859	0.056308	-0.281652	0.778
TLAG4	0.050893	0.055571	0.915835	0.360
TLAG5	-0.067069	0.055525	-1.207913	0.227
HLAG	0.013201	0.068803	0.191861	0.848
HLAG2	-0.042206	0.068856	-0.612961	0.540
HLAG3	0.151925	0.069072	2.199512	0.028
HOUR1	-11.542387	1.684230	-6.853212	0.000
HOUR2	-12.364644	1.637789	-7.549594	0.000
HOUR3	-12.608224	1.619504	-7.785239	0.000
HOUR4	-10.846440	1.615798	-6.712746	0.000
HOUR5	-11.337517	1.606417	-7.057644	0.000
HOUR6	-11.304630	1.586434	-7.125813	0.000
HOUR7	-2.971502	1.489689	-1.994713	0.046
HOUR8	-0.263935	1.287397	-0.205014	0.838
HOUR9	0.577360	1.000785	0.576907	0.564
HOUR10	0.509248	0.635984	0.800725	0.423
HOUR12	0.421428	0.645925	0.652442	0.514
HOUR13	3.776974	1.033254	3.655417	0.000
HOUR14	16.713639	1.354429	12.339990	0.000
HOUR15	10.232932	1.612541	6.345842	0.000

HOUR16	4.057549	1.803897	2.249324	0.025
HOUR17	3.462177	1.934769	1.789453	0.074
HOUR18	-1.101038	2.011675	-0.547324	0.584
HOUR19	0.432316	2.042101	0.211701	0.832
HOUR20	-4.072617	2.032360	-2.003886	0.045
HOUR21	-1.397477	1.999454	-0.698929	0.485
HOUR22	-6.169957	1.944223	-3.173481	0.002
HOUR23	-10.563303	1.858100	-5.685001	0.000
HOUR24	-12.443067	1.761482	-7.063976	0.000
WEEKEND	-1.850694	0.984406	-1.880011	0.060

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.949944	0.005952	159.595295	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	314.699686	1.000000
1	298.947107	0.949944

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2755
R-squared: 0.859
Standard Error of Estimate: 379.555
Variance of White Noise Error (sigsq): 33301.767
Variance of sigsq:15513459.926
-2*log(likelihood): 36505.711

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	4540.107944	349.088437	13.005610	0.000
INTER	-4.482142	1.657958	-2.703411	0.007
JULY	-401.098828	22.875008	-17.534369	0.000
MAY	-582.683878	27.671440	-21.057230	0.000
JUNE	-399.170619	23.268242	-17.155169	0.000
TEMP	-37.370071	6.125180	-6.101057	0.000
HUMID	-61.121884	8.164747	-7.486072	0.000
TEMPHUM	0.822097	0.086656	9.486882	0.000
TLAG	10.190707	5.315867	1.917036	0.055
TLAG2	5.120562	5.320347	0.962449	0.336

TLAG3	4.685086	5.273006	0.888504	0.374
TLAG4	3.000235	5.243586	0.572172	0.567
TLAG5	9.520867	3.868041	2.461418	0.014
HLAG	11.729226	6.686620	1.754134	0.080
HLAG2	7.671810	6.685955	1.147452	0.251
HLAG3	11.401220	4.782970	2.383711	0.017
HOUR1	-1449.058403	65.525026	-22.114580	0.000
HOUR2	-1419.590331	63.289726	-22.430028	0.000
HOUR3	-1361.504498	62.140368	-21.910146	0.000
HOUR4	-649.595510	61.737529	-10.521890	0.000
HOUR5	-532.103365	61.119997	-8.705880	0.000
HOUR6	-551.832144	60.409401	-9.134872	0.000
HOUR7	-538.435234	59.198997	-9.095344	0.000
HOUR8	-329.143413	57.018466	-5.772576	0.000
HOUR9	-107.601120	54.553424	-1.972399	0.049
HOUR10	6.824158	51.836314	0.131648	0.895
HOUR12	-13.389370	51.162248	-0.261704	0.794
HOUR13	-78.517160	52.127101	-1.506264	0.132
HOUR14	-134.773641	53.422961	-2.522766	0.012
HOUR15	-211.880505	55.188814	-3.839193	0.000
HOUR16	-357.661649	57.085694	-6.265346	0.000
HOUR17	-591.546169	58.677820	-10.081257	0.000
HOUR18	-723.285071	60.486114	-11.957870	0.000
HOUR19	-785.568873	62.744857	-12.520052	0.000
HOUR20	-841.174478	65.501875	-12.841991	0.000
HOUR21	-733.361260	67.887203	-10.802644	0.000
HOUR22	-1023.615319	69.253199	-14.780766	0.000
HOUR23	-1379.838876	69.068608	-19.977800	0.000
HOUR24	-1480.760749	67.715430	-21.867405	0.000
WEEKEND	-795.397770	16.557423	-48.038743	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.876671	0.009166	95.646731	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	144061.644679	1.000000
1	126295.625012	0.876678

Total Time for Computation and Printing: 0.11(seconds)
Number of Iterations: 10

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2755
R-squared: 0.974
Standard Error of Estimate: 524.935
Variance of White Noise Error (sigsq): 26180.152
Variance of sigsq:497568.300
-2*log(likelihood): 35841.943

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	2215.152185	661.220724	3.350095	0.001
INTER	-0.803596	0.888125	-0.904823	0.366
JULY	-251.075132	116.310859	-2.158656	0.031
MAY	-418.601956	157.247060	-2.662065	0.008
JUNE	-358.524860	135.888144	-2.638382	0.008
TEMP	-9.315648	7.544006	-1.234841	0.217
HUMID	-14.286067	9.805215	-1.456987	0.145
TEMPHUM	0.325735	0.124354	2.619407	0.009
TLAG	10.959228	1.646405	6.656458	0.000
TLAG2	6.488551	1.649401	3.933883	0.000
TLAG3	4.771077	1.644955	2.900430	0.004
TLAG4	2.406250	1.622040	1.483471	0.138
TLAG5	2.776528	1.620970	1.712880	0.087
HLAG	12.653885	2.009324	6.297584	0.000
HLAG2	6.923791	2.011093	3.442800	0.001
HLAG3	6.032871	2.017088	2.990882	0.003
HOUR1	-1371.219931	49.177693	-27.882966	0.000
HOUR2	-1359.202973	47.826311	-28.419566	0.000
HOUR3	-1312.776389	47.299470	-27.754569	0.000
HOUR4	-608.866303	47.199636	-12.899809	0.000
HOUR5	-499.526362	46.932399	-10.643529	0.000
HOUR6	-527.355693	46.355716	-11.376282	0.000
HOUR7	-530.858064	43.527485	-12.195928	0.000
HOUR8	-325.765573	37.613409	-8.660889	0.000
HOUR9	-104.967656	29.236655	-3.590276	0.000
HOUR10	10.444850	18.572074	0.562395	0.574
HOUR12	-0.248257	18.848840	-0.013171	0.989
HOUR13	-42.058146	30.182293	-1.393471	0.164
HOUR14	-79.797664	39.577203	-2.016253	0.044
HOUR15	-142.417490	47.123596	-3.022212	0.003
HOUR16	-271.724558	52.719986	-5.154109	0.000
HOUR17	-497.770554	56.539446	-8.803952	0.000
HOUR18	-625.389912	58.782482	-10.639053	0.000
HOUR19	-683.589157	59.664928	-11.457135	0.000
HOUR20	-739.286630	59.370860	-12.452012	0.000
HOUR21	-630.779593	58.398397	-10.801317	0.000
HOUR22	-919.035195	56.774593	-16.187438	0.000
HOUR23	-1273.155470	54.251835	-23.467510	0.000
HOUR24	-1384.142772	51.429674	-26.913310	0.000
WEEKEND	-3.796065	28.752561	-0.132025	0.895

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.951310	0.005872	161.995236	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	275556.371559	1.000000
1	262139.669540	0.951310

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2227
R-squared: 0.048
Standard Error of Estimate: 392.288
Variance of White Noise Error (sigsq): 22737.628
Variance of sigsq:22053281.330
-2*log(likelihood): 28658.807

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	4843.884815	389.479462	12.436817	0.000
INTER	0.922654	1.734315	0.531999	0.595
JULY	-4.401193	37.167547	-0.118415	0.906
MAY	51.498324	41.798174	1.232071	0.218
JUNE	-39.192734	37.925343	-1.033418	0.302
TEMP	8.014663	7.074840	1.132840	0.257
HUMID	-2.356306	9.474869	-0.248690	0.804
TEMPHUM	-0.102937	0.103256	-0.996903	0.319
TLAG	2.089647	6.016041	0.347346	0.728
TLAG2	-0.070694	6.021199	-0.011741	0.991
TLAG3	-3.607197	5.980403	-0.603170	0.546
TLAG4	3.793325	5.952808	0.637233	0.524
TLAG5	5.696083	4.389433	1.297681	0.195
HLAG	1.205064	7.588537	0.158801	0.874
HLAG2	2.124202	7.587271	0.279969	0.780
HLAG3	-2.995642	5.515150	-0.543166	0.587
HOUR1	-48.487647	75.387729	-0.643177	0.520
HOUR2	-29.355100	72.582460	-0.404438	0.686
HOUR3	-16.870217	71.161868	-0.237068	0.813
HOUR4	-39.123167	70.664525	-0.553646	0.580
HOUR5	-8.297696	70.057134	-0.118442	0.906
HOUR6	-37.585830	69.187229	-0.543248	0.587
HOUR7	-82.862664	67.945153	-1.219552	0.223
HOUR8	-70.766722	65.433735	-1.081502	0.280
HOUR9	-59.465711	62.792674	-0.947017	0.344
HOUR10	-41.599289	59.723620	-0.696530	0.486
HOUR12	-56.751825	58.864157	-0.964115	0.335
HOUR13	-41.884364	59.914579	-0.699068	0.485
HOUR14	-32.759143	61.256891	-0.534783	0.593
HOUR15	-41.498451	63.208827	-0.656529	0.512
HOUR16	-87.297604	65.349586	-1.335855	0.182
HOUR17	-104.456359	67.053439	-1.557808	0.119
HOUR18	-174.294171	68.989237	-2.526397	0.012

HOUR19	-135.545153	71.321033	-1.900493	0.057
HOUR20	-108.756350	74.123704	-1.467228	0.142
HOUR21	-87.237673	76.827758	-1.135497	0.256
HOUR22	-76.355443	78.645130	-0.970886	0.332
HOUR23	-58.137202	78.835702	-0.737448	0.461
HOUR24	-74.343219	77.681706	-0.957024	0.339
WEEKEND	11.717287	18.994054	0.616892	0.537

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.923087	0.008150	113.266656	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	153889.959571	1.000000
1	142016.406536	0.922844

Total Time for Computation and Printing: 0.08(seconds)
Number of Iterations: 6

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2227
R-squared: 0.862
Standard Error of Estimate: 397.643
Variance of White Noise Error (sigsq): 22388.849
Variance of sigsq:450166.634
-2*log(likelihood): 28624.338

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	4579.751035	630.064287	7.268704	0.000
INTER	0.627199	0.835442	0.750739	0.453
JULY	17.634862	111.396149	0.158308	0.874
MAY	64.874384	140.207562	0.462702	0.644
JUNE	-22.268631	126.110721	-0.176580	0.860
TEMP	9.139603	7.639660	1.196336	0.232
HUMID	9.837128	9.849928	0.998701	0.318
TEMPHUM	-0.146500	0.127313	-1.150711	0.250
TLAG	1.705851	1.667391	1.023066	0.306
TLAG2	-0.410574	1.672747	-0.245449	0.806
TLAG3	-3.084758	1.665947	-1.851654	0.064
TLAG4	3.499839	1.646975	2.125010	0.034
TLAG5	0.111014	1.646797	0.067412	0.946
HLAG	0.545226	2.046092	0.266472	0.790
HLAG2	0.794293	2.048539	0.387737	0.698
HLAG3	-0.190435	2.063506	-0.092287	0.926
HOUR1	4.206398	50.299524	0.083627	0.933
HOUR2	7.367373	48.703558	0.151270	0.880
HOUR3	7.408061	48.032708	0.154230	0.877

HOUR4	-23.179577	47.839499	-0.484528	0.628
HOUR5	0.302098	47.450004	0.006367	0.995
HOUR6	-41.980961	46.674896	-0.899433	0.369
HOUR7	-96.248725	43.607516	-2.207159	0.027
HOUR8	-82.928443	37.592681	-2.205973	0.027
HOUR9	-63.764420	29.324741	-2.174424	0.030
HOUR10	-44.849053	18.850410	-2.379208	0.017
HOUR12	-28.662640	19.081177	-1.502142	0.133
HOUR13	10.472232	30.025320	0.348780	0.727
HOUR14	39.695036	38.984915	1.018215	0.309
HOUR15	54.220000	46.208093	1.173388	0.241
HOUR16	22.454637	51.580195	0.435334	0.663
HOUR17	14.062897	55.308795	0.254261	0.799
HOUR18	-53.546691	57.575378	-0.930028	0.352
HOUR19	-18.212359	58.567632	-0.310963	0.756
HOUR20	0.293183	58.473805	0.005014	0.996
HOUR21	12.574095	57.882174	0.217236	0.828
HOUR22	13.938356	56.891729	0.244998	0.806
HOUR23	24.196524	54.977135	0.440120	0.660
HOUR24	-4.231396	52.530638	-0.080551	0.936
WEEKEND	8.982573	29.111566	0.308557	0.758

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.926502	0.007974	116.193894	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	158119.570318	1.000000
1	146498.066121	0.926502

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2755
R-squared: 0.786
Standard Error of Estimate: 89.076
Variance of White Noise Error (sigsq): 1963.259
Variance of sigsq: 47060.519
-2*log(likelihood): 28706.352

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value

CNST	618.530379	81.926136	7.549854	0.000
INTER	0.387270	0.389099	0.995299	0.320
JULY	-54.060944	5.368442	-10.070137	0.000
MAY	-85.503529	6.494097	-13.166346	0.000
JUNE	-45.119991	5.460728	-8.262632	0.000
TEMP	1.529291	1.437493	1.063859	0.287
HUMID	-3.429836	1.916151	-1.789961	0.074
TEMPHUM	0.014887	0.020337	0.732036	0.464
TLAG	0.937432	1.247559	0.751413	0.452
TLAG2	0.294573	1.248610	0.235920	0.814
TLAG3	-0.307488	1.237500	-0.248475	0.804
TLAG4	0.913078	1.230596	0.741980	0.458
TLAG5	2.089179	0.907775	2.301429	0.021
HLAG	0.981505	1.569255	0.625459	0.532
HLAG2	0.766550	1.569099	0.488528	0.625
HLAG3	0.824070	1.122496	0.734141	0.463
HOUR1	-224.653192	15.377800	-14.608929	0.000
HOUR2	-251.309420	14.853207	-16.919540	0.000
HOUR3	-246.026123	14.583469	-16.870206	0.000
HOUR4	-208.653760	14.488928	-14.400911	0.000
HOUR5	-179.454129	14.344002	-12.510744	0.000
HOUR6	-134.059182	14.177235	-9.455947	0.000
HOUR7	-61.361734	13.893170	-4.416683	0.000
HOUR8	-25.386313	13.381430	-1.897130	0.058
HOUR9	-2.756075	12.802920	-0.215269	0.830
HOUR10	10.318853	12.165252	0.848223	0.396
HOUR12	-4.331723	12.007059	-0.360765	0.718
HOUR13	-4.021803	12.233496	-0.328753	0.742
HOUR14	-29.616330	12.537616	-2.362198	0.018
HOUR15	-53.222969	12.952037	-4.109235	0.000
HOUR16	-80.802585	13.397208	-6.031300	0.000
HOUR17	-109.149266	13.770857	-7.926105	0.000
HOUR18	-126.666182	14.195239	-8.923146	0.000
HOUR19	-151.454608	14.725334	-10.285309	0.000
HOUR20	-154.269234	15.372367	-10.035490	0.000
HOUR21	-180.382351	15.932170	-11.321895	0.000
HOUR22	-201.760757	16.252750	-12.413946	0.000
HOUR23	-209.425592	16.209429	-12.919986	0.000
HOUR24	-215.227925	15.891857	-13.543283	0.000
WEEKEND	-262.076590	3.885794	-67.444802	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.868563	0.009442	91.991949	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	7934.551597	1.000000
1	6872.413350	0.866138

Total Time for Computation and Printing: 0.09(seconds)
Number of Iterations: 8

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2755
R-squared:	0.962
Standard Error of Estimate:	136.371
Variance of White Noise Error (sigsq):	1394.500
Variance of sigsq:	1411.711
-2*log(likelihood):	27762.764

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	549.186191	155.889748	3.522914	0.000
INTER	0.148154	0.204011	0.726209	0.468
JULY	-41.939119	29.507726	-1.421293	0.155
MAY	-56.616879	41.751535	-1.356043	0.175
JUNE	-57.238208	35.769077	-1.600215	0.110
TEMP	0.914284	1.743993	0.524247	0.600
HUMID	-0.137786	2.266908	-0.060782	0.952
TEMPHUM	0.009132	0.028727	0.317901	0.751
TLAG	1.078779	0.379812	2.840299	0.005
TLAG2	0.563198	0.380213	1.481268	0.139
TLAG3	0.096775	0.379347	0.255110	0.799
TLAG4	0.692689	0.373915	1.852531	0.064
TLAG5	0.029962	0.373578	0.080203	0.936
HLAG	1.172696	0.465067	2.521567	0.012
HLAG2	0.486400	0.465364	1.045204	0.296
HLAG3	0.437069	0.466416	0.937078	0.349
HOUR1	-209.792533	11.335011	-18.508365	0.000
HOUR2	-241.993623	11.033268	-21.933087	0.000
HOUR3	-240.917879	10.924059	-22.053880	0.000
HOUR4	-206.313469	10.913975	-18.903605	0.000
HOUR5	-179.754316	10.865706	-16.543271	0.000
HOUR6	-137.051298	10.745640	-12.754131	0.000
HOUR7	-65.686690	10.093766	-6.507649	0.000
HOUR8	-28.605585	8.722214	-3.279624	0.001
HOUR9	-3.691675	6.774288	-0.544954	0.586
HOUR10	10.261360	4.291683	2.390987	0.017
HOUR12	3.180456	4.358642	0.729690	0.466
HOUR13	11.763108	7.001450	1.680096	0.093
HOUR14	-6.899505	9.193579	-0.750470	0.453
HOUR15	-23.619793	10.950752	-2.156911	0.031
HOUR16	-46.247945	12.251421	-3.774905	0.000
HOUR17	-71.486330	13.135827	-5.442088	0.000
HOUR18	-89.032890	13.649125	-6.522974	0.000
HOUR19	-115.800986	13.842244	-8.365767	0.000
HOUR20	-122.172687	13.755207	-8.881923	0.000
HOUR21	-150.556678	13.507102	-11.146483	0.000
HOUR22	-173.333424	13.109608	-13.221862	0.000
HOUR23	-182.270833	12.510292	-14.569671	0.000
HOUR24	-191.917544	11.851875	-16.193011	0.000
WEEKEND	-34.360665	6.652797	-5.164845	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.961777	0.005217	184.351769	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	18597.004855	1.000000
1	17886.169451	0.961777

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2755
R-squared: 0.585
Standard Error of Estimate: 196.069
Variance of White Noise Error (sigsq): 724.902
Variance of sigsq:1104714.962
-2*log(likelihood): 25958.901

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	1747.152756	180.331193	9.688578	0.000
INTER	1.101515	0.856464	1.286121	0.199
JULY	31.725188	11.816712	2.684773	0.007
MAY	605.238910	14.294440	42.340861	0.000
JUNE	310.943562	12.019848	25.869176	0.000
TEMP	4.229837	3.164130	1.336809	0.181
HUMID	-4.146463	4.217724	-0.983104	0.326
TEMPHUM	-0.015921	0.044765	-0.355658	0.722
TLAG	-0.104078	2.746057	-0.037901	0.970
TLAG2	-0.084245	2.748371	-0.030653	0.976
TLAG3	-0.474108	2.723916	-0.174054	0.862
TLAG4	0.358032	2.708718	0.132178	0.895
TLAG5	5.010743	1.998143	2.507700	0.012
HLAG	-0.184865	3.454157	-0.053520	0.957
HLAG2	0.355827	3.453813	0.103025	0.918
HLAG3	-1.295397	2.470774	-0.524288	0.600
HOUR1	18.627184	33.848747	0.550306	0.582
HOUR2	33.445367	32.694041	1.022980	0.306
HOUR3	47.032068	32.100309	1.465159	0.143
HOUR4	55.315483	31.892212	1.734451	0.083
HOUR5	62.691214	31.573208	1.985583	0.047
HOUR6	58.301724	31.206131	1.868278	0.062

HOUR7	57.198099	30.580863	1.870389	0.062
HOUR8	30.730289	29.454450	1.043316	0.297
HOUR9	18.501763	28.181066	0.656532	0.512
HOUR10	9.243815	26.777468	0.345209	0.730
HOUR12	-27.562508	26.429260	-1.042879	0.297
HOUR13	-54.215785	26.927682	-2.013385	0.044
HOUR14	-75.096330	27.597094	-2.721168	0.007
HOUR15	-84.941907	28.509294	-2.979446	0.003
HOUR16	-116.195631	29.489179	-3.940280	0.000
HOUR17	-127.894604	30.311635	-4.219324	0.000
HOUR18	-124.467547	31.245759	-3.983502	0.000
HOUR19	-100.530123	32.412574	-3.101578	0.002
HOUR20	-98.157735	33.836787	-2.900918	0.004
HOUR21	-62.425238	35.068994	-1.780069	0.075
HOUR22	-39.507335	35.774637	-1.104339	0.270
HOUR23	-26.111766	35.679281	-0.731847	0.464
HOUR24	-8.378927	34.980260	-0.239533	0.811
WEEKEND	4.363005	8.553190	0.510103	0.610

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.990622	0.002603	380.560577	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	38443.166488	1.000000
1	38061.507114	0.990072

Total Time for Computation and Printing: 0.08(seconds)
Number of Iterations: 7

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2755
R-squared:	0.996
Standard Error of Estimate:	290.591
Variance of White Noise Error (sigsq):	404.508
Variance of sigsq:	118.786
-2*log(likelihood):	24350.373

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	2404.075766	163.791997	14.677614	0.000
INTER	0.069532	0.108015	0.643729	0.520
JULY	3.885944	20.228524	0.192102	0.848
MAY	2.746455	35.188075	0.078051	0.938
JUNE	-0.270372	28.640644	-0.009440	0.992
TEMP	-1.959141	0.933761	-2.098119	0.036
HUMID	-1.642592	1.214130	-1.352896	0.176
TEMPHUM	0.021512	0.015357	1.400772	0.161

TLAG	-0.333027	0.203146	-1.639350	0.101
TLAG2	-0.328216	0.202978	-1.616999	0.106
TLAG3	-0.156949	0.202790	-0.773948	0.439
TLAG4	0.009963	0.199426	0.049957	0.960
TLAG5	-0.062976	0.199155	-0.316216	0.752
HLAG	0.003679	0.250251	0.014702	0.988
HLAG2	0.116395	0.250373	0.464886	0.642
HLAG3	-0.080628	0.250438	-0.321946	0.748
HOUR1	27.542674	6.034759	4.564006	0.000
HOUR2	25.468191	5.885061	4.327600	0.000
HOUR3	24.998547	5.841557	4.279432	0.000
HOUR4	23.152873	5.852179	3.956282	0.000
HOUR5	21.813811	5.843077	3.733275	0.000
HOUR6	11.400305	5.795286	1.967169	0.049
HOUR7	12.076360	5.449634	2.215995	0.027
HOUR8	-4.674124	4.709999	-0.992383	0.321
HOUR9	-3.293768	3.652573	-0.901767	0.367
HOUR10	-1.280808	2.301099	-0.556607	0.578
HOUR12	-0.328635	2.339258	-0.140487	0.888
HOUR13	-0.259966	3.780192	-0.068771	0.945
HOUR14	1.626860	4.975968	0.326943	0.744
HOUR15	13.247005	5.929727	2.233999	0.026
HOUR16	-4.556795	6.632896	-0.686999	0.492
HOUR17	-8.001529	7.107051	-1.125858	0.260
HOUR18	-5.642550	7.375305	-0.765060	0.444
HOUR19	9.735207	7.466733	1.303811	0.192
HOUR20	-3.522869	7.399785	-0.476077	0.634
HOUR21	17.242093	7.241766	2.380924	0.017
HOUR22	26.680442	7.004890	3.808831	0.000
HOUR23	27.255834	6.666543	4.088451	0.000
HOUR24	28.463771	6.308538	4.511944	0.000
WEEKEND	-1.950424	3.563626	-0.547314	0.584

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.997602	0.001319	756.547194	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	84442.967149	1.000000
1	84240.470111	0.997602

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2659
R-squared:	0.325
Standard Error of Estimate:	90.890
Variance of White Noise Error (sigsq):	6524.043
Variance of sigsq:	52910.602
-2*log(likelihood):	30900.340

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	163.531350	84.014282	1.946471	0.052
INTER	0.117524	0.397409	0.295725	0.767
JULY	-9.216157	5.756906	-1.600887	0.110
MAY	19.451637	6.925117	2.808853	0.005
JUNE	2.933230	5.858134	0.500711	0.617
TEMP	2.817832	1.482477	1.900759	0.057
HUMID	8.458896	1.976346	4.280067	0.000
TEMPHUM	-0.074588	0.021005	-3.550967	0.000
TLAG	-2.029784	1.291909	-1.571151	0.116
TLAG2	-3.802319	1.293172	-2.940304	0.003
TLAG3	-1.088290	1.283021	-0.848224	0.396
TLAG4	0.802239	1.276315	0.628559	0.530
TLAG5	2.428344	0.940048	2.583213	0.010
HLAG	-0.543785	1.620033	-0.335663	0.737
HLAG2	-0.034585	1.619962	-0.021349	0.983
HLAG3	2.132211	1.160237	1.837737	0.066
HOUR1	-70.289959	15.963712	-4.403109	0.000
HOUR2	-85.394267	15.409307	-5.541733	0.000
HOUR3	-102.231023	15.132887	-6.755553	0.000
HOUR4	-141.924709	15.033243	-9.440725	0.000
HOUR5	-177.074063	14.886363	-11.895052	0.000
HOUR6	-202.101708	14.713952	-13.735379	0.000
HOUR7	-186.111252	14.415092	-12.910861	0.000
HOUR8	-140.557310	13.878950	-10.127374	0.000
HOUR9	-85.702404	13.292437	-6.447456	0.000
HOUR10	-31.510555	12.639715	-2.492980	0.013
HOUR12	16.543283	12.466860	1.326981	0.185
HOUR13	22.554688	12.698129	1.776221	0.076
HOUR14	39.034695	13.010461	3.000254	0.003
HOUR15	87.717307	13.441457	6.525878	0.000
HOUR16	107.545110	13.902177	7.735847	0.000
HOUR17	49.705547	14.280570	3.480642	0.001
HOUR18	34.990184	14.726361	2.376024	0.018
HOUR19	35.343099	15.280758	2.312915	0.021
HOUR20	29.421450	15.948421	1.844788	0.065
HOUR21	17.103001	16.514993	1.035605	0.300
HOUR22	5.040868	16.852676	0.299114	0.765
HOUR23	-25.735426	16.811842	-1.530792	0.126
HOUR24	-45.266537	16.492242	-2.744717	0.006
WEEKEND	-14.118949	4.004087	-3.526134	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value

1 0.458402 0.017235 26.596770 0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	8261.001187	1.000000
1	3787.732281	0.458508

Total Time for Computation and Printing: 0.06(seconds)
Number of Iterations: 4

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2659
R-squared: 0.469
Standard Error of Estimate: 90.992
Variance of White Noise Error (sigsq): 6507.964
Variance of sigsq: 31856.789
-2*log(likelihood): 30893.774

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	196.851126	129.230035	1.523261	0.128
INTER	0.478993	0.454853	1.053071	0.292
JULY	-8.756277	9.279533	-0.943612	0.345
MAY	18.648266	11.200041	1.665018	0.096
JUNE	3.124219	9.457311	0.330350	0.741
TEMP	2.942019	1.995674	1.474198	0.141
HUMID	7.210059	2.652799	2.717907	0.007
TEMPHUM	-0.065987	0.031990	-2.062736	0.039
TLAG	-2.218345	0.924132	-2.400464	0.016
TLAG2	-3.587098	0.949257	-3.778848	0.000
TLAG3	-1.088361	0.943545	-1.153481	0.249
TLAG4	1.224588	0.910220	1.345375	0.179
TLAG5	1.393608	0.827929	1.683245	0.092
HLAG	0.377965	1.143240	0.330608	0.741
HLAG2	1.135500	1.142316	0.994033	0.320
HLAG3	0.523739	1.023768	0.511580	0.609
HOUR1	-54.997510	18.125267	-3.034301	0.002
HOUR2	-71.859648	17.369808	-4.137043	0.000
HOUR3	-89.665084	16.968945	-5.284069	0.000
HOUR4	-129.653956	16.802795	-7.716214	0.000
HOUR5	-165.057900	16.601087	-9.942596	0.000
HOUR6	-191.034777	16.347984	-11.685525	0.000
HOUR7	-176.236830	15.649054	-11.261820	0.000
HOUR8	-133.859507	14.273714	-9.378043	0.000
HOUR9	-82.940791	12.383996	-6.697417	0.000
HOUR10	-29.414373	9.482458	-3.101978	0.002
HOUR12	15.046134	9.273140	1.622550	0.105
HOUR13	23.021145	11.686467	1.969898	0.049
HOUR14	42.111553	13.149889	3.202427	0.001
HOUR15	91.282277	14.311106	6.378422	0.000
HOUR16	113.228905	15.287800	7.406488	0.000

HOUR17	57.034687	16.042418	3.555243	0.000
HOUR18	43.431395	16.752850	2.592478	0.010
HOUR19	45.786108	17.537358	2.610776	0.009
HOUR20	41.227543	18.457315	2.233670	0.026
HOUR21	29.767614	19.308163	1.541711	0.123
HOUR22	19.533878	19.808215	0.986150	0.324
HOUR23	-10.406810	19.641519	-0.529837	0.596
HOUR24	-29.617418	18.982201	-1.560273	0.119
WEEKEND	-16.085134	6.259475	-2.569726	0.010

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.462567	0.017193	26.903791	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	8279.515994	1.000000
1	3829.828878	0.462567

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2299
R-squared: 0.177
Standard Error of Estimate: 592.214
Variance of White Noise Error (sigsq): 60861.079
Variance of sigsq:110828647.780
-2*log(likelihood): 31849.118

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	5219.667302	583.287045	8.948711	0.000
INTER	-6.196897	2.610889	-2.373482	0.018
JULY	-228.353152	50.741820	-4.500295	0.000
MAY	-622.146512	58.298181	-10.671800	0.000
JUNE	59.188323	51.814562	1.142311	0.253
TEMP	-20.497765	10.568648	-1.939488	0.053
HUMID	-51.856889	14.150670	-3.664624	0.000
TEMPHUM	0.354293	0.153698	2.305117	0.021
TLAG	1.748027	9.013411	0.193936	0.846
TLAG2	-3.058109	9.020570	-0.339015	0.735
TLAG3	-0.146114	8.958902	-0.016309	0.987

TLAG4	4.037336	8.916794	0.452779	0.651
TLAG5	2.927565	6.575738	0.445207	0.656
HLAG	-1.445638	11.369552	-0.127150	0.899
HLAG2	-1.391804	11.368387	-0.122428	0.903
HLAG3	8.592660	8.256628	1.040698	0.298
HOUR1	-213.702595	112.406476	-1.901159	0.057
HOUR2	-250.577844	108.342957	-2.312821	0.021
HOUR3	-229.638667	106.174801	-2.162836	0.031
HOUR4	-160.248228	105.379923	-1.520671	0.128
HOUR5	-51.128546	104.422950	-0.489629	0.624
HOUR6	-162.615071	103.231089	-1.575253	0.115
HOUR7	-9.807783	101.272094	-0.096846	0.923
HOUR8	37.322435	97.575778	0.382497	0.702
HOUR9	25.364953	93.516778	0.271234	0.786
HOUR10	-5.907234	88.823048	-0.066506	0.947
HOUR12	-14.914317	87.442216	-0.170562	0.865
HOUR13	-38.739178	89.029904	-0.435125	0.664
HOUR14	-97.074413	91.100010	-1.065581	0.287
HOUR15	-95.053946	94.056776	-1.010602	0.312
HOUR16	-68.866249	97.336410	-0.707508	0.479
HOUR17	-15.093263	99.947736	-0.151012	0.880
HOUR18	-268.861151	102.848229	-2.614154	0.009
HOUR19	-274.722660	106.468513	-2.580318	0.010
HOUR20	-200.242781	110.827793	-1.806792	0.071
HOUR21	-150.185204	114.784938	-1.308405	0.191
HOUR22	-186.739038	117.459987	-1.589810	0.112
HOUR23	-227.358908	117.752209	-1.930825	0.054
HOUR24	-199.864880	115.898681	-1.724479	0.085
WEEKEND	-84.381587	27.959579	-3.017985	0.003

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.908776	0.008703	104.422577	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	350717.764840	1.000000
1	318814.090658	0.909033

Total Time for Computation and Printing: 0.06(seconds)
Number of Iterations: 7

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2299
R-squared: 0.862
Standard Error of Estimate: 601.267
Variance of White Noise Error (sigsq): 58978.199
Variance of sigsq:3026035.634
-2*log(likelihood): 31776.805

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	3212.679296	987.177016	3.254411	0.001
INTER	-0.493091	1.361305	-0.362219	0.717
JULY	-144.654965	158.777085	-0.911057	0.362
MAY	-427.806140	197.345040	-2.167808	0.030
JUNE	66.170726	175.878329	0.376230	0.707
TEMP	-1.436154	12.242905	-0.117305	0.907
HUMID	-1.368255	15.800263	-0.086597	0.931
TEMPHUM	-0.003643	0.204118	-0.017848	0.986
TLAG	2.737140	2.686214	1.018958	0.308
TLAG2	-3.023423	2.697672	-1.120752	0.263
TLAG3	-2.463005	2.686591	-0.916777	0.359
TLAG4	3.260544	2.655165	1.228001	0.220
TLAG5	2.853555	2.655130	1.074732	0.283
HLAG	-2.045913	3.282007	-0.623372	0.533
HLAG2	-4.596167	3.286560	-1.398473	0.162
HLAG3	0.005554	3.315093	0.001675	0.999
HOUR1	-215.946461	80.543867	-2.681104	0.007
HOUR2	-259.039841	77.939226	-3.323613	0.001
HOUR3	-241.627183	76.732180	-3.148968	0.002
HOUR4	-175.027978	76.301223	-2.293908	0.022
HOUR5	-70.305057	75.596032	-0.930010	0.352
HOUR6	-187.411228	74.377619	-2.519726	0.012
HOUR7	-62.379778	69.543044	-0.896995	0.370
HOUR8	-12.398804	60.005144	-0.206629	0.836
HOUR9	-7.410286	46.839786	-0.158205	0.874
HOUR10	-18.267603	30.167343	-0.605542	0.545
HOUR12	7.120920	30.491513	0.233538	0.815
HOUR13	-4.058700	47.871140	-0.084784	0.932
HOUR14	-58.000437	62.109321	-0.933844	0.350
HOUR15	-51.889802	73.614122	-0.704889	0.481
HOUR16	-17.312409	82.207752	-0.210593	0.833
HOUR17	30.550814	88.201920	0.346374	0.729
HOUR18	-234.798298	91.897027	-2.555015	0.011
HOUR19	-254.679763	93.586738	-2.721323	0.007
HOUR20	-194.637823	93.578492	-2.079942	0.038
HOUR21	-149.017796	92.737324	-1.606880	0.108
HOUR22	-190.666061	91.254233	-2.089394	0.037
HOUR23	-225.690858	88.221067	-2.558242	0.011
HOUR24	-201.947461	84.201533	-2.398382	0.017
WEEKEND	-38.252574	45.852070	-0.834261	0.404

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.914801	0.008424	108.596936	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	361521.596505	1.000000
1	330720.383505	0.914801

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------------------------ INITIAL ESTIMATES ---------------------

convergence tolerance set to    0.00001

DEPENDENT VARIABLE:                 KWH
                 Number of Observations:    2467
                            R-squared:     0.172
              Standard Error of Estimate:   461.290
 Variance of White Noise Error (sigsq): 16252.010
                     Variance of sigsq:37927479.875
                   -2*log(likelihood): 30918.440

                 COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var              Coef           Std. Error     t-Ratio       P-Value
--------------------------------------------------------------------
CNST         7000.924323     450.113457      15.553688       0.000
INTER           0.564818       1.422436       0.397078       0.691
JULY         -234.084780      31.983651      -7.318889       0.000
MAY          -305.350471      37.856597      -8.065978       0.000
JUNE          -84.425929      32.603437      -2.589479       0.010
TEMP          -20.726010       8.009837      -2.587569       0.010
HUMID         -47.736852      10.753711      -4.439105       0.000
TEMPHUM         0.450346       0.115596       3.895866       0.000
TLAG            0.193115       6.838406       0.028240       0.977
TLAG2           0.946516       6.843435       0.138310       0.890
TLAG3          -5.053039       6.787480      -0.744465       0.457
TLAG4          -0.454243       6.756303      -0.067232       0.946
TLAG5           9.678992       4.996587       1.937121       0.053
HLAG           -2.028366       8.652621      -0.234422       0.815
HLAG2          -0.822744       8.652880      -0.095083       0.924
HLAG3          -7.229655       6.268642      -1.153305       0.249
HOUR1          23.906307      84.884015       0.281635       0.778
HOUR2        -123.332788      81.913322      -1.505650       0.132
HOUR3          39.044518      80.265459       0.486442       0.627
HOUR4          39.789932      79.714072       0.499158       0.618
HOUR5          -86.300870     78.978065      -1.092719       0.275
HOUR6           6.516533      78.020945       0.083523       0.933
HOUR7        -204.795746      76.506251      -2.676850       0.007
HOUR8        -158.087553      73.622682      -2.147267       0.032
HOUR9          35.949697      70.330155       0.511156       0.609
HOUR10         97.773232      66.715381       1.465528       0.143
HOUR12         78.152985      65.742212       1.188779       0.235
HOUR13         34.213491      67.039632       0.510347       0.610
HOUR14       -126.239358      68.699145      -1.837568       0.066
HOUR15        -17.287141      70.998209      -0.243487       0.808
HOUR16        -19.242057      73.491813      -0.261826       0.793
HOUR17       -147.502026      75.566041      -1.951962       0.051
HOUR18        -74.837855      77.779203      -0.962183       0.336
HOUR19       -287.955999      80.549168      -3.574910       0.000
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HOUR20	-273.522267	83.896458	-3.260236	0.001
HOUR21	-110.610440	87.031356	-1.270926	0.204
HOUR22	-58.900943	89.036957	-0.661534	0.508
HOUR23	-166.122938	89.162246	-1.863153	0.063
HOUR24	-12.301218	87.621234	-0.140391	0.888
WEEKEND	-72.309451	20.917300	-3.456921	0.001

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.960796	0.005582	172.121733	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	212788.031554	1.000000
1	204472.446168	0.960921

Total Time for Computation and Printing: 0.08(seconds)
Number of Iterations: 6

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2467
R-squared: 0.942
Standard Error of Estimate: 488.183
Variance of White Noise Error (sigsq): 14904.962
Variance of sigsq:180103.693
-2*log(likelihood): 30704.783

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	5174.048150	546.084972	9.474804	0.000
INTER	-0.600263	0.546838	-1.097697	0.272
JULY	-243.049012	107.084668	-2.269690	0.023
MAY	-184.152927	158.053940	-1.165127	0.244
JUNE	-242.130931	135.132544	-1.791803	0.073
TEMP	-3.964505	6.125572	-0.647206	0.518
HUMID	-5.632464	7.932489	-0.710050	0.478
TEMPHUM	0.094043	0.101691	0.924797	0.355
TLAG	-0.262315	1.316755	-0.199213	0.842
TLAG2	-0.002000	1.318052	-0.001517	0.999
TLAG3	-4.106097	1.313674	-3.125658	0.002
TLAG4	-0.763266	1.296734	-0.588606	0.556
TLAG5	-0.202064	1.295183	-0.156012	0.876
HLAG	-1.668913	1.640922	-1.017058	0.309
HLAG2	-2.121088	1.640992	-1.292564	0.196
HLAG3	0.246878	1.645357	0.150045	0.881
HOUR1	95.446908	39.338923	2.426271	0.015
HOUR2	-80.615952	38.270907	-2.106455	0.035
HOUR3	58.874046	37.904600	1.553216	0.121
HOUR4	43.398840	37.954798	1.143435	0.253

HOUR5	-97.434474	37.874009	-2.572595	0.010
HOUR6	-19.771363	37.524645	-0.526890	0.598
HOUR7	-247.108326	35.241816	-7.011793	0.000
HOUR8	-194.221117	30.424484	-6.383711	0.000
HOUR9	18.186196	23.570321	0.771572	0.440
HOUR10	87.566420	14.873970	5.887226	0.000
HOUR12	129.176439	15.118066	8.544508	0.000
HOUR13	131.238292	24.288258	5.403364	0.000
HOUR14	9.449893	31.876632	0.296452	0.767
HOUR15	160.352886	37.887930	4.232295	0.000
HOUR16	184.313434	42.326859	4.354527	0.000
HOUR17	72.322837	45.371149	1.594027	0.111
HOUR18	150.564695	47.124145	3.195065	0.001
HOUR19	-69.852561	47.803557	-1.461242	0.144
HOUR20	-74.031088	47.431127	-1.560812	0.119
HOUR21	67.034443	46.568825	1.439470	0.150
HOUR22	95.635445	45.286902	2.111768	0.035
HOUR23	-30.882690	43.354620	-0.712328	0.476
HOUR24	96.965341	41.141414	2.356879	0.019
WEEKEND	17.591247	23.255551	0.756432	0.449

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.968225	0.005035	192.299229	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	238322.275103	1.000000
1	230749.479410	0.968225

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2539
R-squared: 0.814
Standard Error of Estimate: 81.737
Variance of White Noise Error (sigsq): 2410.969
Variance of sigsq: 36294.504
-2*log(likelihood): 26977.533

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value

CNST	1549.866249	76.677299	20.212844	0.000
INTER	1.021881	0.332892	3.069711	0.002
JULY	-1.130365	5.473549	-0.206514	0.836
MAY	-1.331556	6.481073	-0.205453	0.837
JUNE	40.023451	5.572192	7.182713	0.000
TEMP	-6.805134	1.358775	-5.008287	0.000
HUMID	-10.750902	1.814948	-5.923532	0.000
TEMPHUM	0.148365	0.019368	7.660518	0.000
TLAG	1.221572	1.180108	1.035135	0.301
TLAG2	0.597889	1.180840	0.506325	0.613
TLAG3	0.293255	1.171506	0.250323	0.802
TLAG4	0.484775	1.167256	0.415312	0.678
TLAG5	2.374721	0.857818	2.768328	0.006
HLAG	2.593319	1.477699	1.754971	0.079
HLAG2	0.468850	1.477613	0.317302	0.751
HLAG3	0.897404	1.059544	0.846972	0.397
HOUR1	-264.069770	14.587031	-18.103051	0.000
HOUR2	-365.970626	14.077788	-25.996317	0.000
HOUR3	-415.647949	13.832550	-30.048541	0.000
HOUR4	-385.109807	13.736317	-28.035885	0.000
HOUR5	-198.208577	13.604181	-14.569681	0.000
HOUR6	-119.653088	13.449861	-8.896232	0.000
HOUR7	-141.247436	13.191515	-10.707447	0.000
HOUR8	-82.820324	12.719098	-6.511494	0.000
HOUR9	-32.460546	12.215827	-2.657253	0.008
HOUR10	-7.832325	11.630256	-0.673444	0.501
HOUR12	-0.230575	11.475410	-0.020093	0.984
HOUR13	2.523935	11.670460	0.216267	0.829
HOUR14	-10.026348	11.943761	-0.839463	0.401
HOUR15	-25.551916	12.322927	-2.073526	0.038
HOUR16	-44.394133	12.740481	-3.484494	0.001
HOUR17	-87.767915	13.077032	-6.711608	0.000
HOUR18	-129.057464	13.468664	-9.582054	0.000
HOUR19	-162.384860	13.954903	-11.636402	0.000
HOUR20	-176.006226	14.545499	-12.100391	0.000
HOUR21	-146.854633	15.052658	-9.756060	0.000
HOUR22	-171.174802	15.358628	-11.145188	0.000
HOUR23	-184.040667	15.329212	-12.005879	0.000
HOUR24	-187.613202	15.053184	-12.463357	0.000
WEEKEND	-147.971206	3.706040	-39.927045	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.799582	0.011919	67.087305	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	6680.982639	1.000000
1	5338.203903	0.799015

Total Time for Computation and Printing: 0.14(seconds)
Number of Iterations: 15

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2539
R-squared:	0.937
Standard Error of Estimate:	94.900
Variance of White Noise Error (sigsq):	2265.156
Variance of sigsq:	4041.694
-2*log(likelihood):	26818.777

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	1354.612408	163.565203	8.281788	0.000
INTER	0.119441	0.371479	0.321528	0.748
JULY	-15.883919	19.547903	-0.812564	0.417
MAY	-0.266205	23.901435	-0.011138	0.991
JUNE	38.966739	20.620803	1.889681	0.059
TEMP	-5.131188	2.150441	-2.386110	0.017
HUMID	-6.343563	2.784728	-2.277983	0.023
TEMPHUM	0.109160	0.035597	3.066564	0.002
TLAG	1.377604	0.498785	2.761919	0.006
TLAG2	0.891877	0.502135	1.776170	0.076
TLAG3	0.583926	0.499419	1.169211	0.242
TLAG4	0.447049	0.493850	0.905232	0.365
TLAG5	1.264440	0.493078	2.564382	0.010
HLAG	2.891219	0.596658	4.845688	0.000
HLAG2	0.574505	0.597759	0.961098	0.337
HLAG3	0.206097	0.600464	0.343229	0.731
HOUR1	-256.009025	14.597340	-17.538060	0.000
HOUR2	-360.333460	14.094459	-25.565611	0.000
HOUR3	-411.724747	13.838329	-29.752491	0.000
HOUR4	-382.132441	13.689131	-27.915025	0.000
HOUR5	-196.261996	13.488872	-14.549919	0.000
HOUR6	-119.863199	13.201747	-9.079344	0.000
HOUR7	-142.246396	12.351314	-11.516701	0.000
HOUR8	-83.104457	10.694812	-7.770539	0.000
HOUR9	-31.944798	8.428908	-3.789910	0.000
HOUR10	-6.966743	5.535388	-1.258583	0.208
HOUR12	3.122915	5.564034	0.561268	0.575
HOUR13	9.378831	8.522763	1.100445	0.271
HOUR14	-0.240189	10.925025	-0.021985	0.982
HOUR15	-13.350304	12.893104	-1.035461	0.301
HOUR16	-30.285459	14.379844	-2.106105	0.035
HOUR17	-72.166900	15.428862	-4.677396	0.000
HOUR18	-113.485849	16.114453	-7.042488	0.000
HOUR19	-148.607180	16.494045	-9.009747	0.000
HOUR20	-163.760489	16.659209	-9.830028	0.000
HOUR21	-135.541673	16.671099	-8.130338	0.000
HOUR22	-159.682683	16.505481	-9.674525	0.000
HOUR23	-171.896365	15.989561	-10.750537	0.000
HOUR24	-176.529074	15.270815	-11.559898	0.000
WEEKEND	-42.056013	8.047597	-5.225909	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.865151	0.009953	86.924596	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	9006.099760	1.000000
1	7791.637483	0.865151

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2755
R-squared: 0.569
Standard Error of Estimate: 595.325
Variance of White Noise Error (sigsq):167465.876
Variance of sigsq:93891813.777
-2*log(likelihood): 40956.216

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	2502.368612	553.015362	4.524953	0.000
INTER	-9.485815	1.811011	-5.237856	0.000
JULY	-57.756507	35.879448	-1.609738	0.108
MAY	-138.111573	43.402378	-3.182120	0.001
JUNE	-155.782485	36.498251	-4.268218	0.000
TEMP	-16.772392	9.674598	-1.733653	0.083
HUMID	-43.843992	12.930512	-3.390739	0.001
TEMPHUM	0.250733	0.137837	1.819059	0.069
TLAG	1.409299	8.335299	0.169076	0.866
TLAG2	-1.195190	8.342097	-0.143272	0.886
TLAG3	4.297528	8.266766	0.519856	0.603
TLAG4	-2.907296	8.224584	-0.353489	0.724
TLAG5	1.696333	6.067099	0.279595	0.780
HLAG	1.866951	10.487524	0.178016	0.859
HLAG2	9.111795	10.486562	0.868902	0.385
HLAG3	16.185604	7.502038	2.157494	0.031
HOUR1	-1371.386957	102.801994	-13.340081	0.000
HOUR2	-1365.692121	99.299158	-13.753310	0.000
HOUR3	-1364.433774	97.499148	-13.994315	0.000
HOUR4	-1362.211161	96.873001	-14.061825	0.000
HOUR5	-1350.003127	95.908252	-14.075985	0.000
HOUR6	-858.367403	94.794996	-9.054986	0.000
HOUR7	-7.316599	92.895534	-0.078762	0.937

HOUR8	205.269057	89.452408	2.294729	0.022
HOUR9	286.320985	85.576241	3.345800	0.001
HOUR10	142.247714	81.306885	1.749516	0.080
HOUR12	-54.959579	80.265082	-0.684726	0.494
HOUR13	-175.429793	81.776084	-2.145246	0.032
HOUR14	-538.044189	83.807817	-6.419976	0.000
HOUR15	-992.776280	86.580325	-11.466534	0.000
HOUR16	-1322.849562	89.544252	-14.773138	0.000
HOUR17	-1354.759360	92.058057	-14.716358	0.000
HOUR18	-1337.723257	94.895534	-14.096799	0.000
HOUR19	-1340.740749	98.414796	-13.623366	0.000
HOUR20	-1332.575303	102.740665	-12.970281	0.000
HOUR21	-1330.319203	106.485271	-12.492988	0.000
HOUR22	-1340.017583	108.631899	-12.335397	0.000
HOUR23	-1358.319923	108.345872	-12.536887	0.000
HOUR24	-1368.676590	106.230877	-12.883981	0.000
WEEKEND	-553.972731	25.974962	-21.327181	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.726082	0.013100	55.425044	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	354411.576189	1.000000
1	257378.266554	0.726213

Total Time for Computation and Printing: 0.08(seconds)
Number of Iterations: 8

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2755
R-squared: 0.799
Standard Error of Estimate: 605.916
Variance of White Noise Error (sigsq):165116.719
Variance of sigsq:19792036.998
-2*log(likelihood): 40917.246

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	3480.204163	1064.101640	3.270556	0.001
INTER	-7.725521	1.900413	-4.065181	0.000
JULY	-22.618843	88.226378	-0.256373	0.798
MAY	-83.247843	108.136462	-0.769841	0.441
JUNE	-112.852608	90.588553	-1.245771	0.213
TEMP	-34.377281	15.171687	-2.265884	0.024
HUMID	-49.175532	19.909930	-2.469900	0.014
TEMPHUM	0.585296	0.251085	2.331072	0.020
TLAG	2.441930	4.219060	0.578785	0.563

TLAG2	-0.828426	4.289822	-0.193114	0.847
TLAG3	2.736790	4.266357	0.641482	0.521
TLAG4	-4.174692	4.156268	-1.004433	0.315
TLAG5	4.194499	4.095834	1.024089	0.306
HLAG	-0.022839	5.082802	-0.004493	0.996
HLAG2	7.173446	5.083325	1.411172	0.158
HLAG3	3.077213	5.024339	0.612461	0.540
HOUR1	-1369.885727	111.863901	-12.246004	0.000
HOUR2	-1361.628447	107.575265	-12.657449	0.000
HOUR3	-1356.952288	105.158815	-12.903838	0.000
HOUR4	-1351.289981	103.897249	-13.006023	0.000
HOUR5	-1336.108346	102.244249	-13.067809	0.000
HOUR6	-846.485507	99.952477	-8.468880	0.000
HOUR7	-13.729975	93.934848	-0.146165	0.884
HOUR8	189.390593	81.966006	2.310599	0.021
HOUR9	272.420986	65.792597	4.140602	0.000
HOUR10	137.354254	44.998632	3.052410	0.002
HOUR12	-45.767786	44.449826	-1.029651	0.303
HOUR13	-168.114561	63.867779	-2.632228	0.009
HOUR14	-537.370852	78.817426	-6.817919	0.000
HOUR15	-996.456213	90.970815	-10.953581	0.000
HOUR16	-1326.043455	100.422200	-13.204684	0.000
HOUR17	-1363.242656	107.345353	-12.699596	0.000
HOUR18	-1361.900555	112.515937	-12.104068	0.000
HOUR19	-1376.968109	116.691882	-11.800033	0.000
HOUR20	-1377.090614	120.519892	-11.426252	0.000
HOUR21	-1367.667072	123.700038	-11.056319	0.000
HOUR22	-1368.338798	124.838149	-10.960903	0.000
HOUR23	-1372.016088	122.343579	-11.214451	0.000
HOUR24	-1374.160429	117.300736	-11.714849	0.000
WEEKEND	-332.987546	52.724982	-6.315555	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.741792	0.012777	58.057645	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	367133.884159	1.000000
1	272336.825334	0.741792

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2539
R-squared:	0.831
Standard Error of Estimate:	57.273
Variance of White Noise Error (sigsq):	1573.056
Variance of sigsq:	8748.860
-2*log(likelihood):	25893.645

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	270.977703	54.175206	5.001877	0.000
INTER	0.088694	0.175138	0.506425	0.613
JULY	-12.134011	3.835306	-3.163766	0.002
MAY	17.050687	4.541264	3.754612	0.000
JUNE	13.434249	3.904398	3.440799	0.001
TEMP	-0.340846	0.954942	-0.356928	0.721
HUMID	-3.139335	1.282372	-2.448069	0.014
TEMPHUM	0.044291	0.013729	3.226050	0.001
TLAG	1.829355	0.827045	2.211916	0.027
TLAG2	0.370960	0.827766	0.448145	0.654
TLAG3	-0.282768	0.821508	-0.344206	0.731
TLAG4	-0.372681	0.817898	-0.455657	0.649
TLAG5	0.773065	0.601111	1.286061	0.199
HLAG	1.355509	1.035507	1.309029	0.191
HLAG2	0.225287	1.035322	0.217601	0.828
HLAG3	-1.032043	0.742424	-1.390099	0.165
HOUR1	-233.778070	10.223122	-22.867581	0.000
HOUR2	-229.010789	9.866143	-23.211786	0.000
HOUR3	-230.577573	9.694655	-23.783988	0.000
HOUR4	-216.551918	9.628136	-22.491572	0.000
HOUR5	-173.427561	9.535462	-18.187640	0.000
HOUR6	-28.589196	9.427418	-3.032559	0.002
HOUR7	-38.958623	9.244860	-4.214084	0.000
HOUR8	-30.813462	8.912041	-3.457509	0.001
HOUR9	-23.777437	8.560265	-2.777652	0.006
HOUR10	-11.965897	8.149634	-1.468274	0.142
HOUR12	9.485459	8.043059	1.179335	0.238
HOUR13	13.810704	8.179292	1.688496	0.091
HOUR14	19.119776	8.370425	2.284206	0.022
HOUR15	18.881655	8.636076	2.186370	0.029
HOUR16	14.277142	8.926008	1.599499	0.110
HOUR17	7.745318	9.164609	0.845133	0.398
HOUR18	-0.731827	9.439411	-0.077529	0.938
HOUR19	-8.649878	9.778105	-0.884617	0.376
HOUR20	-17.395638	10.191984	-1.706796	0.088
HOUR21	-12.727457	10.547405	-1.206691	0.228
HOUR22	-96.934435	10.761785	-9.007283	0.000
HOUR23	-225.878121	10.741302	-21.028932	0.000
HOUR24	-231.320594	10.548768	-21.928683	0.000
WEEKEND	-57.219908	2.597440	-22.029348	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.721224	0.013747	52.463276	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	3280.164567	1.000000
1	2366.026817	0.721313

Total Time for Computation and Printing: 0.08(seconds)
Number of Iterations: 8

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2539
R-squared:	0.920
Standard Error of Estimate:	58.855
Variance of White Noise Error (sigsq):	1553.419
Variance of sigsq:	1900.835
-2*log(likelihood):	25861.682

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	265.501235	105.338201	2.520465	0.012
INTER	-0.059449	0.184752	-0.321779	0.748
JULY	-9.760480	9.444770	-1.033427	0.302
MAY	23.769602	11.375299	2.089580	0.037
JUNE	15.552254	9.708198	1.601971	0.109
TEMP	-0.891721	1.513120	-0.589326	0.556
HUMID	-3.896300	1.983084	-1.964768	0.050
TEMPHUM	0.053185	0.025138	2.115669	0.034
TLAG	1.847554	0.421204	4.386358	0.000
TLAG2	0.438727	0.427964	1.025151	0.305
TLAG3	-0.130321	0.425971	-0.305939	0.760
TLAG4	-0.365816	0.415770	-0.879852	0.379
TLAG5	0.759852	0.409285	1.856533	0.063
HLAG	1.406839	0.505942	2.780632	0.005
HLAG2	0.286966	0.505873	0.567270	0.571
HLAG3	-0.750398	0.500331	-1.499802	0.134
HOUR1	-233.749863	11.156894	-20.951158	0.000
HOUR2	-228.576097	10.720722	-21.320962	0.000
HOUR3	-229.826015	10.488410	-21.912379	0.000
HOUR4	-215.511537	10.357059	-20.808178	0.000
HOUR5	-172.126782	10.189590	-16.892415	0.000
HOUR6	-27.321823	9.960683	-2.742967	0.006
HOUR7	-37.230619	9.353376	-3.980447	0.000
HOUR8	-28.996790	8.171542	-3.548509	0.000
HOUR9	-22.192090	6.591152	-3.366952	0.001
HOUR10	-11.224284	4.527752	-2.478997	0.013
HOUR12	9.213910	4.477032	2.058040	0.040
HOUR13	13.088150	6.414168	2.040506	0.041
HOUR14	18.109007	7.896776	2.293215	0.022
HOUR15	17.884790	9.104084	1.964480	0.050
HOUR16	13.077870	10.043011	1.302186	0.193
HOUR17	6.615844	10.726892	0.616753	0.537

HOUR18	-1.803345	11.235725	-0.160501	0.872
HOUR19	-9.915607	11.630730	-0.852535	0.394
HOUR20	-18.670747	11.991675	-1.556976	0.120
HOUR21	-13.870988	12.283560	-1.129232	0.259
HOUR22	-97.791710	12.404664	-7.883463	0.000
HOUR23	-226.403233	12.168169	-18.606188	0.000
HOUR24	-231.397246	11.684750	-19.803355	0.000
WEEKEND	-26.528928	5.309291	-4.996699	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.742657	0.013290	55.880098	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	3463.888263	1.000000
1	2572.479989	0.742657

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2227
R-squared: 0.374
Standard Error of Estimate: 215.876
Variance of White Noise Error (sigsq): 6814.203
Variance of sigsq:2022416.204
-2*log(likelihood): 25975.237

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	1544.340368	216.958882	7.118125	0.000
INTER	0.182738	0.672877	0.271577	0.786
JULY	-122.928157	20.483361	-6.001367	0.000
MAY	-83.302175	23.027896	-3.617446	0.000
JUNE	-79.383432	20.894444	-3.799260	0.000
TEMP	-0.908860	3.922187	-0.231723	0.817
HUMID	-9.874190	5.270131	-1.873614	0.061
TEMPHUM	0.136761	0.057651	2.372212	0.018
TLAG	3.610434	3.309421	1.090957	0.275
TLAG2	0.131277	3.312205	0.039634	0.968
TLAG3	-1.026187	3.289236	-0.311983	0.755
TLAG4	-0.595532	3.275879	-0.181793	0.856

TLAG5	3.390037	2.415606	1.403390	0.161
HLAG	0.887945	4.175784	0.212641	0.832
HLAG2	0.359900	4.175197	0.086199	0.931
HLAG3	-1.481966	3.035002	-0.488292	0.625
HOUR1	-29.938077	41.499550	-0.721407	0.471
HOUR2	22.452069	39.957318	0.561901	0.574
HOUR3	-0.956991	39.176704	-0.024428	0.981
HOUR4	-7.886315	38.905616	-0.202704	0.839
HOUR5	-12.196426	38.573033	-0.316190	0.752
HOUR6	-18.847130	38.094656	-0.494745	0.621
HOUR7	1.394128	37.411188	0.037265	0.970
HOUR8	-16.610695	36.018345	-0.461173	0.645
HOUR9	-5.922213	34.560359	-0.171359	0.864
HOUR10	14.526277	32.867345	0.441967	0.659
HOUR12	41.939781	32.402310	1.294345	0.196
HOUR13	26.486839	32.978956	0.803144	0.422
HOUR14	22.613214	33.717292	0.670671	0.503
HOUR15	12.644405	34.792429	0.363424	0.716
HOUR16	-16.301675	35.964882	-0.453266	0.650
HOUR17	-43.065781	36.910684	-1.166757	0.243
HOUR18	-39.874876	37.975896	-1.050005	0.294
HOUR19	-79.984324	39.248055	-2.037918	0.042
HOUR20	-24.200218	40.790953	-0.593274	0.553
HOUR21	-16.547937	42.280618	-0.391384	0.696
HOUR22	-38.316659	43.282975	-0.885259	0.376
HOUR23	5.634874	43.389482	0.129867	0.897
HOUR24	16.011150	42.758038	0.374459	0.708
WEEKEND	-234.639500	10.455902	-22.440866	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.923777	0.008114	113.843283	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	46602.470991	1.000000
1	43051.942786	0.923812

Total Time for Computation and Printing: 0.08(seconds)
Number of Iterations: 9

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2227
R-squared:	0.919
Standard Error of Estimate:	250.466
Variance of White Noise Error (sigsq):	6001.551
Variance of sigsq:	32347.206
-2*log(likelihood):	25692.000

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	863.624755	345.197638	2.501827	0.012
INTER	0.704631	0.350475	2.010501	0.045
JULY	11.387151	66.242459	0.171901	0.864
MAY	24.955180	89.804192	0.277884	0.781
JUNE	-3.211839	79.579383	-0.040360	0.968
TEMP	6.819715	3.991539	1.708543	0.088
HUMID	6.819428	5.143863	1.325741	0.185
TEMPHUM	-0.060831	0.066371	-0.916529	0.359
TLAG	3.442106	0.862603	3.990370	0.000
TLAG2	0.522530	0.864127	0.604691	0.545
TLAG3	-0.540918	0.860813	-0.628380	0.530
TLAG4	-0.670940	0.851577	-0.787879	0.431
TLAG5	-0.310460	0.851002	-0.364817	0.715
HLAG	1.347567	1.069931	1.259489	0.208
HLAG2	0.433943	1.070176	0.405488	0.685
HLAG3	-1.201819	1.074930	-1.118044	0.264
HOUR1	-25.746510	26.047118	-0.988459	0.323
HOUR2	15.168074	25.281841	0.599959	0.549
HOUR3	-17.816855	25.006046	-0.712502	0.476
HOUR4	-32.186720	24.977815	-1.288612	0.198
HOUR5	-41.884671	24.847941	-1.685640	0.092
HOUR6	-54.646366	24.518456	-2.228785	0.026
HOUR7	-31.788716	22.923959	-1.386703	0.166
HOUR8	-39.621558	19.758907	-2.005251	0.045
HOUR9	-19.131860	15.373500	-1.244470	0.213
HOUR10	8.984354	9.807422	0.916077	0.360
HOUR12	55.203879	9.960421	5.542324	0.000
HOUR13	55.497849	15.803810	3.511675	0.000
HOUR14	64.896331	20.603906	3.149710	0.002
HOUR15	65.032887	24.455712	2.659210	0.008
HOUR16	42.891604	27.301117	1.571057	0.116
HOUR17	20.099993	29.263475	0.686863	0.492
HOUR18	24.002598	30.418668	0.789075	0.430
HOUR19	-19.110420	30.876315	-0.618935	0.536
HOUR20	27.218384	30.713642	0.886199	0.376
HOUR21	23.057599	30.259805	0.761988	0.446
HOUR22	-7.309535	29.604840	-0.246903	0.805
HOUR23	29.736401	28.504080	1.043233	0.297
HOUR24	30.793650	27.188582	1.132595	0.258
WEEKEND	8.507966	15.272066	0.557093	0.578

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.950964	0.006554	145.091536	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	62733.465281	1.000000
1	59657.267586	0.950964

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------------------------- INITIAL ESTIMATES ----------------------

convergence tolerance set to    0.00001

DEPENDENT VARIABLE:                 KWH
                 Number of Observations:     2755
                              R-squared:      0.697
             Standard Error of Estimate:     93.285
 Variance of White Noise Error (sigsq):   3547.774
                     Variance of sigsq: 56605.112
                   -2*log(likelihood): 30337.029

                 COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var              Coef          Std. Error      t-Ratio       P-Value
--------------------------------------------------------------------
CNST          167.993300       86.655110        1.938643       0.053
INTER          -0.290301        0.283778       -1.022990       0.306
JULY           19.903515        5.622154        3.540194       0.000
MAY            15.728549        6.800965        2.312694       0.021
JUNE           15.985420        5.719118        2.795085       0.005
TEMP            2.832390        1.515968        1.868371       0.062
HUMID           1.610556        2.026155        0.794883       0.427
TEMPHUM        -0.014887        0.021598       -0.689271       0.491
TLAG            2.470241        1.306105        1.891303       0.059
TLAG2           1.010585        1.307170        0.773109       0.440
TLAG3          -0.767046        1.295366       -0.592146       0.554
TLAG4           0.265830        1.288757        0.206268       0.837
TLAG5          -0.178628        0.950688       -0.187893       0.851
HLAG            0.855883        1.643350        0.520816       0.603
HLAG2           1.336764        1.643199        0.813513       0.416
HLAG3          -1.981393        1.175537       -1.685522       0.092
HOUR1        -245.809941       16.108627      -15.259522       0.000
HOUR2        -237.849533       15.559748      -15.286208       0.000
HOUR3        -229.452447       15.277694      -15.018788       0.000
HOUR4        -224.042678       15.179579      -14.759479       0.000
HOUR5        -160.154393       15.028407      -10.656778       0.000
HOUR6          10.382558       14.853965        0.698976       0.485
HOUR7           2.019873       14.556327        0.138763       0.890
HOUR8          -3.469139       14.016805       -0.247499       0.805
HOUR9         -12.061090       13.409426       -0.899449       0.368
HOUR10         -6.506213       12.740436       -0.510674       0.610
HOUR12          5.271830       12.577190        0.419158       0.675
HOUR13          9.244041       12.813958        0.721404       0.471
HOUR14         10.150311       13.132322        0.772926       0.440
HOUR15          9.695794       13.566762        0.714673       0.475
HOUR16          5.567702       14.031196        0.396809       0.692
HOUR17          6.152899       14.425098        0.426541       0.670
HOUR18          7.227847       14.869719        0.486078       0.627
HOUR19         10.652548       15.421172        0.690774       0.490
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HOUR20	18.385509	16.099017	1.142027	0.254
HOUR21	13.669034	16.685780	0.819203	0.413
HOUR22	-65.747150	17.022148	-3.862447	0.000
HOUR23	-200.935532	16.977328	-11.835521	0.000
HOUR24	-236.742992	16.645918	-14.222285	0.000
WEEKEND	-116.955722	4.070164	-28.734892	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.770557	0.012143	63.456118	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	8702.055735	1.000000
1	6686.603519	0.768394

Total Time for Computation and Printing: 0.11(seconds)
Number of Iterations: 9

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2755
R-squared:	0.879
Standard Error of Estimate:	97.592
Variance of White Noise Error (sigsq):	3471.754
Variance of sigsq:	8749.966
-2*log(likelihood):	30277.246

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	17.157670	172.311092	0.099574	0.921
INTER	0.132400	0.275373	0.480803	0.631
JULY	22.438181	15.825994	1.417805	0.156
MAY	28.191405	19.468029	1.448087	0.148
JUNE	16.310926	16.351132	0.997541	0.319
TEMP	3.027595	2.389328	1.267132	0.205
HUMID	2.445373	3.124204	0.782719	0.434
TEMPHUM	-0.038839	0.039597	-0.980874	0.327
TLAG	2.627618	0.605582	4.338998	0.000
TLAG2	1.273832	0.613179	2.077424	0.038
TLAG3	-0.417862	0.609922	-0.685108	0.493
TLAG4	0.368538	0.596995	0.617323	0.537
TLAG5	0.077164	0.593032	0.130118	0.896
HLAG	0.888031	0.725764	1.223581	0.221
HLAG2	1.390202	0.726337	1.913990	0.056
HLAG3	-0.425996	0.725081	-0.587515	0.557
HOUR1	-261.987151	16.883586	-15.517270	0.000
HOUR2	-252.149197	16.262602	-15.504850	0.000
HOUR3	-242.728838	15.913376	-15.253132	0.000
HOUR4	-236.798497	15.724332	-15.059368	0.000

HOUR5	-172.187886	15.473335	-11.128039	0.000
HOUR6	-1.039379	15.121370	-0.068736	0.945
HOUR7	-5.247992	14.181414	-0.370061	0.711
HOUR8	-6.025376	12.311397	-0.489414	0.625
HOUR9	-11.837557	9.769394	-1.211698	0.226
HOUR10	-6.298025	6.543290	-0.962517	0.336
HOUR12	3.055591	6.504336	0.469778	0.639
HOUR13	5.153124	9.633470	0.534919	0.593
HOUR14	4.704734	12.117808	0.388250	0.698
HOUR15	3.375659	14.143256	0.238676	0.811
HOUR16	-1.822262	15.700175	-0.116066	0.908
HOUR17	-2.740774	16.824809	-0.162901	0.871
HOUR18	-2.188253	17.621502	-0.124181	0.901
HOUR19	0.735974	18.188771	0.040463	0.968
HOUR20	6.525752	18.623405	0.350406	0.726
HOUR21	-0.169916	18.933254	-0.008975	0.993
HOUR22	-80.673261	18.959268	-4.255083	0.000
HOUR23	-216.053960	18.492729	-11.683184	0.000
HOUR24	-251.409012	17.695536	-14.207482	0.000
WEEKEND	-53.924003	8.546708	-6.309331	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.797171	0.011503	69.303046	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	9524.215963	1.000000
1	7592.427226	0.797171

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---------- INITIAL ESTIMATES ----------

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH
Number of Observations: 2227
R-squared: 0.729
Standard Error of Estimate: 134.131
Variance of White Noise Error (sigsq): 3874.652
Variance of sigsq:301421.548
-2*log(likelihood): 24718.363

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value

CNST	909.382673	133.497125	6.812002	0.000
INTER	0.649208	0.551893	1.176328	0.240
JULY	-52.678035	12.709514	-4.144772	0.000
MAY	-51.739258	14.292618	-3.619999	0.000
JUNE	-22.355614	12.968004	-1.723906	0.085
TEMP	-3.296651	2.429526	-1.356911	0.175
HUMID	-5.802388	3.245798	-1.787661	0.074
TEMPHUM	0.042571	0.035407	1.202309	0.229
TLAG	-0.439342	2.055849	-0.213703	0.831
TLAG2	-0.216825	2.057063	-0.105405	0.916
TLAG3	0.015126	2.041904	0.007408	0.994
TLAG4	0.001881	2.035398	0.000924	0.999
TLAG5	2.024407	1.500756	1.348925	0.178
HLAG	-0.621124	2.594262	-0.239422	0.811
HLAG2	1.183606	2.594286	0.456236	0.648
HLAG3	1.122790	1.885747	0.595408	0.552
HOUR1	-144.454742	25.779162	-5.603547	0.000
HOUR2	-185.183381	24.821042	-7.460742	0.000
HOUR3	-210.862990	24.335426	-8.664857	0.000
HOUR4	-220.843676	24.164237	-9.139278	0.000
HOUR5	-142.917938	23.958350	-5.965266	0.000
HOUR6	-73.933048	23.661191	-3.124655	0.002
HOUR7	-4.387058	23.240328	-0.188769	0.850
HOUR8	12.865798	22.379902	0.574882	0.565
HOUR9	0.356058	21.471399	0.016583	0.987
HOUR10	18.001959	20.420437	0.881566	0.378
HOUR12	14.224645	20.125783	0.706787	0.480
HOUR13	-6.469848	20.484835	-0.315836	0.752
HOUR14	-0.715793	20.944769	-0.034175	0.973
HOUR15	-21.005422	21.612505	-0.971911	0.331
HOUR16	-31.663754	22.349588	-1.416749	0.157
HOUR17	-53.784751	22.928491	-2.345761	0.019
HOUR18	-46.545957	23.589331	-1.973178	0.049
HOUR19	-67.366300	24.386175	-2.762479	0.006
HOUR20	-50.770274	25.344673	-2.003193	0.045
HOUR21	-32.636996	26.269910	-1.242372	0.214
HOUR22	-49.948290	26.892747	-1.857315	0.063
HOUR23	-61.635293	26.958723	-2.286284	0.022
HOUR24	-99.786017	26.564066	-3.756429	0.000
WEEKEND	-468.268584	6.494619	-72.101007	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.885547	0.009844	89.957920	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	17991.228707	1.000000
1	15933.924072	0.885650

Total Time for Computation and Printing: 0.05(seconds)
Number of Iterations: 5

convergence tolerance set to 0.00001

DEPENDENT VARIABLE: KWH

Number of Observations:	2227
R-squared:	0.971
Standard Error of Estimate:	232.098
Variance of White Noise Error (sigsq):	1926.287
Variance of sigsq:	3332.358
-2*log(likelihood):	23160.201

COEFFICIENTS OF INDEPENDENT VARIABLES (beta)

Var	Coef	Std. Error	t-Ratio	P-Value
CNST	717.064890	209.259681	3.426675	0.001
INTER	-0.468929	0.333280	-1.407013	0.160
JULY	-16.440141	43.046216	-0.381918	0.703
MAY	-53.035437	70.042196	-0.757193	0.449
JUNE	-55.558076	58.394773	-0.951422	0.341
TEMP	-2.769482	2.256703	-1.227225	0.220
HUMID	-3.550217	2.900021	-1.224204	0.221
TEMPHUM	0.044947	0.037336	1.203865	0.229
TLAG	-0.174645	0.487174	-0.358486	0.720
TLAG2	0.163970	0.486641	0.336943	0.736
TLAG3	0.550386	0.484572	1.135818	0.256
TLAG4	-0.171541	0.480001	-0.357376	0.721
TLAG5	0.603328	0.479447	1.258382	0.208
HLAG	-0.828354	0.611171	-1.355355	0.175
HLAG2	0.663563	0.611188	1.085692	0.278
HLAG3	0.279486	0.611454	0.457085	0.648
HOUR1	-116.231077	14.655784	-7.930731	0.000
HOUR2	-159.571840	14.261124	-11.189289	0.000
HOUR3	-186.630214	14.150756	-13.188709	0.000
HOUR4	-196.943258	14.180741	-13.888080	0.000
HOUR5	-119.796941	14.155184	-8.463114	0.000
HOUR6	-51.839120	14.017082	-3.698282	0.000
HOUR7	13.299223	13.119777	1.013677	0.311
HOUR8	26.578142	11.311951	2.349563	0.019
HOUR9	10.649112	8.780573	1.212804	0.225
HOUR10	23.312298	5.560147	4.192748	0.000
HOUR12	17.082292	5.657107	3.019616	0.003
HOUR13	-1.126026	9.045915	-0.124479	0.901
HOUR14	6.742074	11.831911	0.569821	0.569
HOUR15	-10.492754	14.052951	-0.746658	0.455
HOUR16	-18.280750	15.685603	-1.165448	0.244
HOUR17	-38.460617	16.799989	-2.289324	0.022
HOUR18	-30.107278	17.436662	-1.726665	0.084
HOUR19	-50.579849	17.665699	-2.863167	0.004
HOUR20	-31.983123	17.517182	-1.825814	0.068
HOUR21	-10.155910	17.185491	-0.590958	0.555
HOUR22	-23.513948	16.740702	-1.404597	0.160
HOUR23	-31.625517	16.060318	-1.969171	0.049
HOUR24	-68.820367	15.293775	-4.499894	0.000
WEEKEND	-43.317774	8.672527	-4.994827	0.000

AUTOREGRESSIVE PARAMETERS (Phi)

Lag	Phi	Std. Error	T-Ratio	P-Value
1	0.981958	0.004007	245.054703	0.000

AUTOCORRELATIONS AND AUTOCOVARIANCES

Lag	Autocovariances	Autocorrelations
0	53869.262373	1.000000
1	52897.351325	0.981958

KyPSC Staff First Set Data Requests
Duke Energy Kentucky
Case No. 2007-00477
Date Received: November 20, 2007
Response Due Date: December 7, 2007

KyPSC-DR-01-005

REQUEST:

Provide copies of any internal reports or utility-commissioned studies on the extent of untapped opportunities for additional demand-side management programs in Kentucky.

RESPONSE:

Following a reasonable investigation by interviewing the persons most likely to have such information, Duke Energy Kentucky, Inc. ("DE-Kentucky") could not locate any studies on the extent of untapped opportunities for additional demand-side management programs in Kentucky. The subject of renewables as a potential generating resource is discussed in the Company's most recent Integrated Resource Plan, relevant sections of which are produced as Attachment STAFF-DR-01-011.

WITNESS RESPONSIBLE: Richard G. Stevie