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PUBLIC SERVICE  
COMMISSION

September 9, 2011

Mr. Jeff Derouen, Executive Director  
Kentucky Public Service Commission  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, KY 40602

RE: Case No. 2011-00096  
Application of South Kentucky Rural Electric Cooperative Corporation, for  
an Adjustment of Rates

Dear Mr. Derouen:

Please find enclosed the original and ten (10) copies of the responses to the Commission's Order "Second Data Request of the Commission Staff to South Kentucky Rural Electric Cooperative Corporation" dated August 26, 2011.

Please contact me at (606) 523-1370 or Allen Anderson at (606) 678-4121 with any questions regarding this filing.

Respectfully submitted,

A handwritten signature in cursive script that reads 'Darrell Saunders'.

Darrell Saunders  
Counsel for South Kentucky Rural Electric Cooperative Corporation

Enclosure

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE PUBLIC SERVICE COMMISSION**

**In the Matter of adjustment of Rates**  
**Of South Kentucky Rural Electric Cooperative**  
**Corporation**

**Case No. 2011-00096**

**APPLICANT'S RESPONSES TO**  
**SECOND DATA REQUEST OF COMMISSION STAFF**

The applicant, South Kentucky Rural Electric Cooperative Corporation, makes the following responses to the "Second Data Request of Commission Staff", as follows:

1. The witnesses who are prepared to answer questions concerning each request are Allen Anderson, Stephen Johnson, and Jim Adkins.
2. Allen Anderson, President and CEO of South Kentucky Rural Electric Cooperative Corporation is the person supervising the preparation of the responses on behalf of the applicant.
3. The responses and Exhibits are attached hereto and incorporated by reference herein.



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Darrell Saunders, Attorney-at-Law  
P O Box 1324  
Corbin, Kentucky 40702  
Attorney for South Kentucky Rural Electric, Inc.  
Telephone: 606-523-1370

The undersigned, Allen Anderson, as President & CEO of South Kentucky Rural Electric Cooperative Corporation, being duly sworn, states that the responses herein are true and accurate to the best of my knowledge and belief formed after reasonable inquiry.

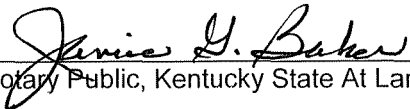
Dated September 9, 2011

SOUTH KENTUCKY RURAL ELECTRIC CORPORATION

BY:

  
ALLEN ANDERSON, PRESIDENT & CEO

Subscribed, sworn to, and acknowledged before me Allen Anderson, as President & CEO for South Kentucky Rural Electric Cooperative Corporation on behalf of said Corporation this 9<sup>th</sup> day of September, 2011.

  
Notary Public, Kentucky State At Large

My Commission Expires: 12-2-2013

CERTIFICATE OF SERVICE

The undersigned counsel certifies that the following responses have been served upon the Following:

Original and Ten Copies

Mr. Jeff Derouen, Executive Director  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, Kentucky 40601

Copy

Hon. Lawrence W. Cook  
Assistant Attorney General  
1024 Capital Center Drive, Suite 200  
Frankfort, Kentucky 40601

This 9<sup>th</sup> day of September, 2011

  
ATTORNEY FOR

SOUTH KENTUCKY RURAL ELECTRIC COOPERATIVE



South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

1. Refer to paragraph 1 of the Application. South Kentucky states that it provides service in eleven counties in Kentucky and two counties in Tennessee.
  - a. Provide the number of Tennessee customers served by South Kentucky.
  - b. State whether South Kentucky's Tennessee customers are charged the same rates as their Kentucky customers.
  - c. State whether the Tennessee customers and revenue are included in the revenue summary and billing analysis filed as Exhibits G and J to the Application.

Response to Question 1.

- a. The number of Tennessee customers is 194.
- b. The Tennessee and Kentucky customers are charged the same rates. South Kentucky treats all customers the same.
- c. The Tennessee customers and revenue are included in Exhibits G and J.



SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST  
Witness: Jim Adkins

Refer to paragraph 12 of the Application. South Kentucky indicates that it has given notice to its members in accordance with 807 KAR 5:001, Section 3-10(3) and (4), and further states that a copy of the notice is attached in Exhibit D.

a. Question:

State the manner in which South Kentucky provided notice to its members

a. Response:

Official notice of the proposed increase was run three times in each of the Cooperative's service territory's newspapers. Additionally, members were informed in May 2011 in SKRECC's Annual Report in the Kentucky Living magazine of the coop's intent to apply for an increase. In June 2011 an article regarding the proposed rate increase was run in the SKRECC.s section the Kentucky Living magazine.

b. Question:

Identify the newspapers or trade publications and the dates of publication in each newspaper or publication in which South Kentucky published notice of the Application in this manner.

b. Response:

Listed below is the newspapers used in the publication of the notice along with the dates of publication:

Newspaper:

Clinton County News, Albany, KY

Commonwealth Journal, Somerset, KY

Dates of Publication:

June 9, June 16, and June 23

June 8, June 15, and June 22

Witness: Jim Adkins

Newspaper:

McCreary County Record, Whitley City, KY

McCreary County Voice, Whitley City, KY

News Register, Jamestown, KY

Times Journal, Russell Springs, KY

Wayne County Outlook, Monticello, KY

Dates of Publication:

June 7, June 14, and June 21

June 9, June 16, and June 23

June 11, June 18, June 25

June 9, June 16, and June 23

June 8, June 15, and June 22





SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST  
Witness: Jim Adkins

Question:

Refer to the revised Exhibit D and the revised proposed tariff for Schedule STL – Street Lighting Service. Revised Exhibit D shows eight different street lights but only two different rates for the eight lights shown. The revised proposed STL tariff shows only two street lights. Explain why the eight street lights listed in revised Exhibit D are not set out separately in the tariff and why it would not be appropriate to do so.

Response:

The STL tariff covers the street lights for SKRECC plus the street lights from the Monticello Electric Plant Board (“MEPB”). This is the primary reasons as to why eight different lights are listed in the notice. The first four lights listed in the revised Exhibit D are those from the MEPB. They were assigned to the two rates on SKRECC’s STL tariff based on the previous rate with the MEPB. The next four lights in the revised Exhibit D are from SKRECC’s. The STL tariff rates are based on a lumens rating range and includes both mercury vapor lights and sodium vapor lights.

These lights are not set out separately and should not be set out separately in a tariff because all mercury vapor lights will be phased out and all future lights will be within the lumens rating as provided in the current tariff.



SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST  
Witness: Jim Adkins

Refer to the Application, Exhibit H, the Direct Testimony of Allen Anderson, specifically to Item 11A on page 3, where the current and proposed customer charges for Schedule A and B are listed.

a. Question:

Explain how the increase in the proposed customer charge for Schedule A from \$9.14 to \$15 is consistent with the principal of gradualism.

a. Response:

SKRECC feels that this increase does support the concept of gradualism as SKRECC is now moving to a more cost based rate design for Schedule A. Attached on page 2 is a listing of the results of the customer service study per customer and per kWh and the total customer related monthly revenue requirements per customer is \$27.86. The current customer charge of \$9.14 represents a recovery of approximate one third of the consumer related costs through the customer charge. If SKRECC would increase this rate by \$6 every rate case and with a rate case filed every five years, it would take another ten years before SKRECC would be able to move to a full cost of service amount for its customer charge. Since SKRECC is substantially below the level of a cost based customer charge, the proposed increase of \$5.86 is consistent with the gradualism concept.

b. Question:

Explain how the increase in the customer charge for Schedule B for \$17.14 to \$25 is consistent with the principal of gradualism.

Witness: Jim Adkins

b. Response:

SKRECC feels that this increase does support the concept of gradualism as SKRECC is now moving to a more cost based rate design for Schedule B. Attached on page 2 is a listing of the results of the customer service study per customer and per kWh and the total customer related monthly revenue requirements per customer is \$29.42. The current customer charge of \$17.14 represents a recovery of approximate one third of the consumer related costs through the customer charge. If SKRECC would increase this rate by \$8 every rate case and with a rate case filed every five years, it would take another five more years before SKRECC would be able to move to a full cost of service amount for its customer charge. Since SKRECC is substantially below the level of a cost based customer charge, the proposed increase of \$5.86 is consistent with the gradualism concept.

Cost based rates provide a pricing structure where customers in each rate class pay their fair share of the cooperative's costs so there are minimal subsidies between classes of customers To the extent possible, each individual customer within the rate class also should pay for the costs imposed on the system in a way that reflects the origin of the costs. This approach sends the proper message about costs to consumers and ensures cooperatives values are upheld.



SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST  
Witness: Jim Adkins

Refer to the Application, Exhibit H, the Direct Testimony of James R. Adkins (“Adkins Testimony”).

a. Refer to page 3, Response 7 and Attachment 1.

(1) Question:

The first sentence of Response 7 refers to a Times Interest Earned Ratio (“TIER”) 2.44X. The second sentence refers to a TIER of 2.32. Provide the correct TIER for this case.

(1) Response.

The correct TIER amount is 2.44X.

(2) The first sentence of Response 7 states that South Kentucky has a capitalization goal of reaching an equity level of 40 percent in 15 years with a TIER of 2.44. However, in Attachment 1, the TIER necessary to achieve the stated goal is 2.503. Explain the discrepancy.

(2) Response:

The wrong percent amount on equity capitalization was listed in the testimony. The correct equity target is 35% in 15 years.

b. Question:

Refer to the last sentence of Response 7 related to restarting payment of capital credits on a 20 year cycle. Provide a detailed description of South Kentucky’s plan for paying capital credits.

b. Response

Attached is a separate page page 6 in this response, which provides an estimate of capital growth, an estimate of capital credits payouts, and the equity capitalization ratio

Witness: Jim Adkins

assuming that the amount of increase requested is granted and using the capital growth approach.

c. Question:

Refer to page 9, Response 17, and page 12, Response 20. Confirm that the references to “Meade County” should be “South Kentucky.”

c. Response:

The proper references are “South Kentucky”.

d. Question:

Refer to page 10 of the Adkins Testimony and Schedule R, pages 15-22 of 40. On page 10 of his testimony, Mr. Adkins states that “[t]he minimum size method was used to determine the demand related and consumer related components for account 365-overhead conductor. The zero-intercept method was used for account 368-transformers and account 364-poles.” The testimony goes on to state that [t]he minimum size method was used for poles as a reasonable amount was able to be developed using G the zero intercept approach.” The above two quotes seem to contradict each other with regard to account 364-poles. Pages 15-22 of Schedule R indicate that the zero intercept method was used for the three accounts 364, 365, and 368. Confirm that this is correct or state which method was used for each.

d. Response:

The zero intercept method was used for accounts 364, 365, and 368. The quotes above from Adkins Testimony are in error and should be amended to read as follows. “The zero intercept method is the preferred method for determining the demand related component and the consumer related component and has been used to determine these components for accounts 364, 365 and 368 in this Application.”

e. Refer to the Application, page 13 of the Adkins Testimony and revised Exhibit D. On page 13, Mr. Adkins states that “[t]he increases for the ETS Marketing rates based on the Schedules A and B will remain at a forty percent discount for each contract period.



Witness: Jim Adkins

Those ETS customers not under contract will see and (sic) increase in their ETS rates by one third of the difference between the current rate and the rate based on the COSS

(1) Question:

Revised Exhibit D shows that the proposed ETS contract to be \$0.05290. Confirm that 60 percent of the Schedule A residential energy rate of \$0.08819 would instead be \$.05291.

(1) Response:

It is confirmed that 60 percent of \$0.08819 is equal to \$0.05291 instead of \$0.05292.

(2) Question:

It appears from revised Exhibit D that only Residential ETS customers have contracts. Is this correct? If no, explain why only one rate, which is not at a 40 percent discount, is shown for the Small Commercial Marketing Rate.

(2) Response:

Only the Residential ETS has customers under contract.

(3) Question:

Provide the number of Residential ETS customers that have contracts and when the contracts will expire.

(3) Response:

South Kentucky has 471 ETS customers under contract at the current time. Listed below are the dates and number of customers whose contracts will expire.

<u>Year</u>	<u>Number of Contracts that Expire</u>
2012	77
2013	63
2014	61
2015	86
2016	46

Witness: Jim Adkins

<u>Year</u>	<u>Number of Contracts that Expire</u>
2017	55
2018	44
2019	32
2020	13
2021	6

(4) Question:

State the rate that will be charged to Residential ETS customers with contracts when the contracts expire.

(4) Response:

Once a contract expires, the ETS customer will go on the regular ETS rate which is currently proposed to be \$0.06705.

f. Refer to Response 22, page 14 of the Adkins Testimony, where references made to South Kentucky's Demand-Side Management ("DSM") activities.

(1) Question:

Provide a description of the efforts South Kentucky's is currently undertaking to expand existing programs.

(1) Response:

South Kentucky's current plans for its overall DSM programs are as follows. The AMI deployment will be approximately 75% complete by the end of the year. With the AMI deployment, SKRECC plans to expand into these new programs for the cooperative:

- Direct Load Control ("DLC") in January 2012,
- Participation in the "Beat the Peak" program,
- Enhance the present "Tune Up" program for direct marketing to manufactured homes with high usage,
- Develop a Prepaid Metering program,
- Implement several Time of Day ("TOD") rates

Witness: Jim Adkins

- Implement a Meter Data Management (“MDM”) program and educate the membership on the information and data available via the customer/membership internet portal.

(2) Questions:

Provide the amounts of planned annual expenditures for each of the years ending 2011- 2014 and the percentages of expenditures relative to projected annual electric sales revenues for each year.

(2) Response:

SKRECC has Member Services group that implements and educates members on Energy Efficiency and the DSM programs offered by the Cooperative. Annual estimated expenditures are provided below:

<b>ESTIMATED DSM EXPENDITURES</b>		
<u>Year</u>	<u>Expenditure \$</u>	<u>Percent of Revenue</u>
2011	720,000	0.60%
2012	750,000	0.60%
2013	780,000	0.60%
2014	810,000	0.60%

(3) Question:

Provide the projected annual energy efficiency savings relative to projected annual sales for each of the years ending 2011-2014.

(3) Response: Provided below is the requested information

<b>ESTIMATED DSM SAVINGS</b>		
<u>Year</u>	<u>kWh</u>	<u>Percent of kWh Sales</u>
2011	13,077,608.00	1.00%
2012	14,319,383.00	1.07%
2013	15,561,158.00	1.15%
2014	16,802,933.00	1.22%

CASE NO. 2011-00096  
 RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST

**ITEM 5b CONTINUED**  
**DETAILED PLAN FOR THE PAYMENT OF CAPITAL CREDITS WITH THE CAPITAL GROWTH METHOD**  
 Witness: Jim Adkins

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Debt	139,892,656	146,431,114	155,939,030	165,989,089	176,602,388	187,799,387	199,599,607	212,021,287
Equity	38,232,572	45,220,944	50,267,085	55,876,319	62,111,478	69,042,411	76,746,756	85,310,819
Capital	178,125,228	191,652,058	206,206,115	221,865,408	238,713,867	256,841,798	276,346,364	297,332,107
Equity/Capital	21.46%	23.60%	24.38%	25.18%	26.02%	26.88%	27.77%	28.69%
Margins	8,900,000	7,307,189	8,122,588	9,028,976	10,036,506	11,156,466	12,401,400	13,785,255
Capital Credits	1,911,629	2,261,047	2,513,354	2,793,816	3,105,574	3,452,121	3,837,338	4,265,541
Net Margins	6,988,371	5,046,142	5,609,233	6,235,160	6,930,933	7,704,346	8,564,063	9,519,714

	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15
Debt	225,080,973	238,793,047	253,169,182	268,217,713	283,942,907	300,344,139	317,414,927
Equity	94,830,533	105,412,539	117,175,376	130,250,812	144,785,317	160,941,707	178,900,966
Capital	319,911,507	344,205,587	370,344,559	398,468,525	428,728,224	461,285,846	496,315,893
Equity/Capital	29.64%	30.62%	31.64%	32.69%	33.77%	34.89%	36.05%
Margins							
Capital Credits	10,582,006	11,762,837	13,075,436	14,534,505	16,156,390	17,959,259	19,963,307
Net Margins	4,741,527	5,270,627	5,858,769	6,512,541	7,239,266	8,047,085	8,945,048



SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST  
Witness: Jim Adkins

Question:

Refer to the Application, Exhibits G and J. Provide an update to these exhibits based on the rate change approved for South Kentucky on May 31, 2011 in Case No. 2010-00510

Response:

Attached as this response are the revised Exhibits G and J with the the rate change approved in Case NO. 2010-00510.

SOUTH KENTUCKY RECC  
CASE NO. 2011-00096

REVENUE SUMMARY

###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###
Rate	Kwh	Test Year	Percent of Total	Effective Case No. 2010-182	Percent of Total	Effective Case No. 2010-00510	Percent of Total	Proposed Revenue	Percent of Total	Increase Amount	Percent									
Schedule	Usage	Revenue	Total	Total	Total	Total	Total	Total	Total	Total	Total									
Schedule A - Residential	849,780,821	\$81,569,242	66.60%	\$85,054,910	66.60%	\$79,352,881	66.72%	\$85,970,386	67.28%	\$6,617,505	8.34%									
Schedule B - Small Commercial	75,104,607	8,320,816	6.79%	8,676,449	6.79%	8,172,497	6.87%	9,003,565	7.05%	\$831,068	10.17%									
Schedule LP - Large Power Rate	204,613,675	17,369,554	14.18%	18,114,930	14.18%	16,741,972	14.08%	17,494,894	13.69%	\$752,922	4.50%									
Schedule OPS - Optional Power Service	14,598,187	1,554,300	1.27%	1,620,817	1.27%	1,522,863	1.28%	1,770,907	1.39%	\$248,043	16.29%									
Schedule A - Residential Marketing Rate - ETS	10,530,533	558,329	0.46%	582,128	0.46%	539,795	0.45%	707,020	0.55%	\$167,225	30.98%									
Rate B - Small Commercial Marketing Rate - E	31,036	1,855	0.00%	1,934	0.00%	1,810	0.00%	2,301	0.00%	\$492	27.17%									
Schedule LP1 - Large Power 1	15,182,167	1,072,773	0.88%	1,118,602	0.88%	1,016,729	0.85%	1,016,729	0.80%	\$0	0.00%									
Schedule LP2 - Large Power 2	44,424,472	3,143,383	2.57%	3,277,657	2.57%	2,979,569	2.51%	2,979,569	2.33%	\$0	0.00%									
Schedule LP3 - Large Power 3	69,748,929	4,830,723	3.94%	5,037,237	3.94%	4,569,222	3.84%	4,697,238	3.68%	\$128,016	2.80%									
Schedule AES - All Electric Schools	9,678,600	781,593	0.64%	814,978	0.64%	750,035	0.63%	832,482	0.65%	\$82,447	10.99%									
EHAVROWATS	223,100	6,685	0.01%	6,685	0.01%	6,685	0.01%	6,685	0.01%	\$0	0.00%									
Schedule III - Outdoor Lights	20,414,835	3,065,140	2.50%	3,195,321	2.50%	3,071,971	2.58%	3,071,971	2.40%	\$0	0.00%									
Street Lighting	1,143,973	135,260	0.11%	142,765	0.11%	134,650	0.11%	154,848	0.12%	\$20,198	15.00%									
Decorative Street Lighting	213,529	64,591	0.05%	67,356	0.05%	65,912	0.06%	65,912	0.05%	\$0	0.00%									
Total from base rates	1,315,688,464	122,474,244	100.00%	\$127,711,769	100%	\$118,926,591	100%	\$127,774,506	100%	\$ 8,847,915.25	7.44%									

Schedule A - Residential  
Rate 1

Billing Data	Actual	Test Year End Rate	Normalized Revenues	Rates Effective January 14, 2011 Case No. 2010-00185		Increase Total	Rates Effective May 31, 2011 Case No. 2010-00186		Proposed Rate	Proposed Rates		Increase Amount	Increase Percent
				Current Rate	Normalized Revenues		Normalized Revenues	\$ Increase		Normalized Revenues	Amount		
Customer Charge	739,180	8.77	6,482,609	9.14	\$6,756,105	\$273,497	9.14	\$6,756,105	\$15.00	11,087,700	\$4,331,595	64.11%	
Energy Charge per kWh	849,780,821	0.08836	75,086,633	\$0.09214	\$78,298,805	\$3,212,172	\$0.08543	72,596,776	0.08812	74,882,686	\$2,285,910	3.15%	
Total From Base Rates			81,569,242		85,054,910	3,485,668		79,352,881		85,970,386	6,617,505	8.34%	
Average Monthly Bill			110.35		115.07	4.72		107.35		116.31	8.95	8.34%	

Schedule B - Small Commercial  
Rate 2

Billing Data	Actual	Test Year End Rate	Normalized Revenues	Rates Effective January 14, 2011 Case No. 2010-00185		Increase Total	Rates Effective May 31, 2011 Case No. 2010-00186		Proposed Rate	Proposed Rates		Increase Amount	Increase Percent
				Current Rate	Normalized Revenues		Normalized Revenues	\$ Increase		Normalized Revenues	Amount		
Customer Charge	50,982	16.44	838,144	17.14	\$873,831	\$35,687	17.14	873,831	25.00	1,274,550	\$400,719	45.86%	
Energy charge per kWh	75,104,607	0.09963	7,482,672	\$0.10389	\$7,802,618	\$319,946	0.097180	7,298,666	0.102910	7,729,015	\$430,349	5.90%	
Total from base rates			8,320,816		8,678,449	355,633		8,172,497		9,003,565	831,068	10.17%	
Average Monthly Bill			163.21		170.19	6.98		160.30		176.60	16.30	10.17%	

Schedule LP - Large Power Rate  
Rate 4

Billing Data	Actual	Test Year End Rate	Normalized Revenues	Rates Effective January 14, 2011 Case No. 2010-00185		Increase Total	Rates Effective May 31, 2011 Case No. 2010-00186		Proposed Rate	Proposed Rates		Increase Amount	Increase Percent
				Current Rate	Normalized Revenues		Normalized Revenues	\$ Increase		Normalized Revenues	Amount		
Customer Charge	4,175	32.87	137,232	34.28	\$143,119	0.79%	34.28	143,119	50.00	208,750	\$65,631	45.86%	
Demand Charge	653,357	6.57	4,292,553	6.85	\$4,475,493	24.71%	6.85	4,475,493	7.00	4,573,496	\$98,003	2.19%	
Energy charge per kWh	204,613,675	0.06324	12,939,769	\$0.06596	\$13,496,318	74.50%	\$0.05925	\$12,123,360	0.062130	12,712,648	\$589,287	4.86%	
Total from base rates			17,369,554		18,114,930	100.00%		16,741,972		17,494,894	752,922	4.50%	
Average Monthly Bill			4,160.37		4,338.91	178.53		4,010.05		4,190.39	180.34	4.50%	



Schedule OPS - Optional Power Service  
Rate 5 - Over 50 KW

Actual Billing Data	Test Year End Rate	Rates Effective January 14, 2011 Case No. 2010-00185			Rates Effective May 31, 2011 Case No. 2010-00186			Proposed Rates			
		Normalized Revenues	Current Rate	Increase Total	Normalized Revenues	Current Rate	Increase	Proposed Rate	Normalized Revenues	Increase Amount   Percent	
Customer Charge	2.035	\$ 32.87	\$69,760	4.30%	\$ 34.28	\$ 69,760	\$ -	\$ 50.00	\$ 101,750	\$ 31,990	45.86%
Energy charge per KWH	14.598,187	\$ 0.10189	\$1,551,057	95.70%	\$0.09954	\$ 1,453,104	(\$7,954)	0.114340	\$ 1,669,157	\$ 216,053	14.87%
Total from base rates		\$ 1,554,300	\$ 1,620,817	100.00%	\$ 1,522,883	\$ (97,954)			\$ 1,770,907	\$ 248,043	16.29%
Average Monthly Bill		\$ 763.78	\$ 796.47	32.89	\$ 748.34	(\$48.13)			\$ 870.22	\$ 121.89	16.29%

Schedule A - Residential Marketing Rate - ETS  
Rate 6

Actual Billing Data	Test Year End Rate	Rates Effective January 14, 2011 Case No. 2010-00185			Rates Effective May 31, 2011 Case No. 2010-00186			Proposed Rates			
		Normalized Revenues	Current Rate	Increase Total	Normalized Revenues	Current Rate	Increase	Proposed Rate	Normalized Revenues	Increase Amount   Percent	
Customer Charge	10.530,533	\$ 0.05302	\$56,329	100.00%	\$0.05126	\$39,795	(\$16,534)	0.067140	\$ 707,020	\$ 167,225	30.98%
Energy Charge		\$ 558,329	\$ 582,128	100.00%	\$ 539,795	(\$42,333)			\$ 707,020	\$ 167,225	30.98%
Total BaseLoad Charges		\$ 558,329	\$ 582,128	100.00%	\$ 539,795	(\$42,333)			\$ 707,020	\$ 167,225	30.98%

Rate B - Small Commercial Marketing Rate - ETS  
Rate 7

Actual Billing Data	Test Year End Rate	Rates Effective January 14, 2011 Case No. 2010-00185			Rates Effective May 31, 2011 Case No. 2010-00186			Proposed Rates			
		Normalized Revenues	Current Rate	Increase Total	Normalized Revenues	Current Rate	Increase	Proposed Rate	Normalized Revenues	Increase Amount   Percent	
Customer Charge	31.036	\$ 0.05978	\$ 1,855	0.00%	\$ 1,934	(\$78)		0.07415	\$ 2,301	\$ 491.61	27.17%
Energy charge per KWH		\$ 1,855	\$ 1,934	0.00%	\$ 1,810	(\$124.76)			\$ 2,301	\$ 492	27.17%
Total from base rates		\$ 1,855	\$ 1,934	0.00%	\$ 1,810	(\$124.76)			\$ 2,301	\$ 492	27.17%

Schedule LP1 - Large Power 1  
Rate 9

Billing Data	Actual	Test Year End Rate	Test Year End		Rates Effective January 14, 2011 Case No. 2010-00185			Rates Effective May 31, 2011 Case No. 2010-00186			Proposed Rates					
			Normalized Revenues	Current Rate	Normalized Revenues	Increase Total	Current Rate	Normalized Revenues	\$ Increase	Proposed Rate	Normalized Revenues	Increase Amount	Increase Percent			
Metering Charge	12	\$ 136.99	1,644	\$ 142.85	\$1,714	0.15%	\$	142.85	\$1,714	\$	-	\$ 142.85	\$1,714	\$	-	0.00%
Substation Charge	12	\$1,034.60	12,415	\$ 1,078.84	\$12,946		\$	1,078.84	\$12,946	\$	-	\$ 1,078.84	\$12,946	\$	-	0.00%
Demand Charge	29,090	\$ 5.91	171,923	6.16	\$179,196	16.02%	\$	6.16	\$179,196	\$	-	\$ 6.16	\$179,196	\$	-	0.00%
Energy charge per kWh	15,182,167	\$ 0.05841	886,790	\$0.06091	\$824,746		\$	0.05420	\$822,873	\$	-	\$ 0.05	\$822,873	\$	-	0.00%
Total from base rates			\$ 1,072,773		\$ 1,118,602	16.17%		\$ 1,016,729	\$	-		\$ 1,016,729	\$	-		0.00%
Average Monthly Bill			\$ 89,397.71		\$ 93,216.81	\$ 3,819.10		\$ 84,727.44	\$ (8,489.36)							

Schedule LP2 - Large Power 2  
Rate 10

Billing Data	Actual	Test Year End Rate	Test Year End		Rates Effective January 14, 2011 Case No. 2010-00185			Rates Effective May 31, 2011 Case No. 2010-00186			Proposed Rates					
			Normalized Revenues	Current Rate	Normalized Revenues	Increase Total	Current Rate	Normalized Revenues	\$ Increase	Proposed Rate	Normalized Revenues	Increase Amount	Increase Percent			
Metering Charge	13	\$ 136.99	1,781	\$ 142.85	\$1,857	0.06%	\$	142.85	\$ 1,857	\$	-	\$ 142.850	\$ 1,857	\$	-	0.00%
Substation Charge	13	\$ 2,600.75	33,810	\$ 2,711.98	\$35,256		\$	2,711.98	\$ 35,256	\$	-	\$ 2,711.980	\$ 35,256	\$	-	0.00%
Demand Charge	94,280	\$ 5.91	557,194	\$6.16	\$580,764	17.72%	\$	6.16	\$ 580,764	\$	-	\$ 6.16	\$ 580,764	\$	-	0.00%
Energy charge per kWh	37,711,970	\$ 0.05841	2,202,756	\$0.06091	\$2,297,036	70.08%	\$	0.05420	\$ 2,043,989	(\$253,047.32)	\$	0.054	\$ 2,043,989	\$	-	0.00%
First 400 kWh per kW	6,712,502	\$ 0.05182	347,842	0.05404	\$362,744		\$	0.04733	\$ 317,703	(\$45,040.89)	\$	0.047	\$ 317,703	\$	-	0.00%
Total from base rates			\$ 3,143,383		\$ 3,277,657	87.86%		\$ 2,979,569	\$ (298,088)			\$ 2,979,569	\$	-		0.00%
Average Monthly Bill			\$ 241,798.69		\$ 252,127.45	\$ 10,328.76		\$ 229,197.59	\$ (22,929.86)			\$ 229,197.59	\$	-		0.00%

Schedule LP-3 Large Power 3  
Rate 15

Billing Date	Test Year End Rate	Normalized Revenues	Current Rate	Rates Effective January 14, 2011 Case No. 2010-00185		Rates Effective May 31, 2011 Case No. 2010-00186		Proposed Rates		Increase Amount	Percent	
				Normalized Revenues	Increase Total	Normalized Revenues	Increase	Proposed Rate	Normalized Revenues			
108	\$ 136.99	14,795	142.85	\$15,428	\$	142.85	\$15,428	\$	146.88	\$ 435.24	2.82%	
36	\$ 345.23	12,428	359.99	\$12,960	\$	359.99	\$12,960	\$	370.14	\$ 365.40	2.82%	
72	\$ 1,034.60	74,491	1,078.84	\$77,676	\$	1,078.84	\$77,676	\$	1,109.26	\$ 2,190.24	2.82%	
Demand Charge per KW	141,140	834,136	6.16	\$869,421	\$	6.16	\$869,421	\$	6.33	\$ 23,993.76	2.76%	
Contract Demand	2,371	20,319	8.94	\$21,197	\$	8.94	\$21,197	\$	9.19	\$ 592.75	2.80%	
Energy charge per KWH	69,748,929	3,874,553	0.05793	\$4,040,555	\$	0.05122	\$ 3,572,540 (\$468,015.31)	0.052660	\$	\$ 3,672,979	\$ 100,438	2.81%
		4,830,723		5,037,237		4,569,222	(468,015)		102.81%	4,697,238	128,016	2.80%
Average Monthly Bill		\$ 44,728.92		\$ 46,641.08	\$ 1,912.17	\$ 42,307.61	(4,333.48)	\$	\$	\$ 43,492.94	\$ 1,185.33	2.80%

Schedule AES - All Electric Schools  
Rate 17

Actual Billing Date	Test Year End Rate	Normalized Revenues	Current Rate	Rates Effective January 14, 2011 Case No. 2010-00185		Rates Effective May 31, 2011 Case No. 2010-00186		Proposed Rates		Increase Amount	Percent	
				Normalized Revenues	Increase Total	Normalized Revenues	Increase	Proposed Rate	Normalized Revenues			
147	\$ 76.03	11,176	79.28	\$11,654	1.43%	79.28	\$11,654	\$	104.20	\$ 15,317	\$ 3,663.24	31.43%
9,678,600	\$ 0.07960	770,417	0.08300	\$803,324		0.07629	\$ 738,380 (\$64,943.41)	\$ 0.08443	\$	817,164	\$ 78,783.80	10.67%
Total From Base Rates		781,593		814,978	1.43%	750,035	(64,943.41)			832,482	82,447	10.99%
Average Monthly Bill		\$ 5,316.96		\$ 5,544.07	\$ 227.11	\$ 5,102.28	(441.79)	\$	\$	\$ 5,663.14	\$ 560.86	10.99%

Envirowatts

Actual Billing Date	Test Year End Rate	Normalized Revenues	Rates Effective January 14, 2011 Case No. 2010-00185			Rates Effective May 31, 2011 Case No. 2010-00186			Proposed Rates		
			Current Rate	Normalized Revenues	Increase Total	Current Rate	Normalized Revenues	\$ Increase	Proposed Rate	Normalized Revenues	Increase Amount

Customer Charge

Energy Charge per kWh

Total From Base Rates

223,100	\$ 0.02750	6,685	0.02750	6,685	0.00%	0.0275 \$	6,685 \$	-	\$ 0.02750 \$	6,685 \$	-	0.00%
		6,685		6,685		6,685		-		6,685		0.00%

Schedule III - Outdoor Lights

Type of Lamp	Units	Actual Billing Date	Test Year End Rate	Normalized Revenues	Rates Effective January 14, 2011 Case No. 2010-00185			Rates Effective May 31, 2011 Case No. 2010-00186			Proposed Rates		
					Current Rate	Normalized Revenues	Increase Total	Current Rate	Normalized Revenues	\$ Increase	Proposed Rate	Normalized Revenues	Increase Amount
M/Vapor Sec Light 74 KWH	194,853		10.14 \$	1,975,809	10.57	2,059,596	10.17	1,981,655	(\$ 77,941.20)	10.17	1,981,655.01	\$ -	
M/Vapor Metered Sec Light	398		6.93 \$	2,758	7.23	2,878	7.23	2,878	(\$ -)	7.23	2,877.54	\$ -	
Sodium Sec Light 43 K WH	44,165		10.14 \$	447,833	10.57	466,824	10.17	449,158	(\$ 17,666.00)	10.17	449,158.05	\$ -	
Sodium Metered Sec Light	132		6.93 \$	915	7.23	954	7.23	954	(\$ -)	7.23	954.36	\$ -	
Sodium Directional Light	5,716		16.29 \$	93,114	16.99	97,115	16.28	93,056	(\$ 4,058.36)	16.28	93,056.48	\$ -	
Sodium Metered Directional	564		8.8 \$	4,963	9.18	5,178	9.18	5,178	(\$ -)	9.18	5,177.52	\$ -	
Metal Halide 250W Dir	579		17.59 \$	10,185	18.34	10,619	17.63	10,208	(\$ 411.09)	17.63	10,207.77	\$ -	
M/Halide 260W Metered Dir	192		9.8 \$	1,882	10.22	1,962	10.22	1,962	(\$ -)	10.22	1,962.24	\$ -	
M/Halide 400W Directional	778		22.19 \$	17,284	23.14	18,003	22.02	17,132	(\$ 871.36)	22.02	17,131.56	\$ -	
M/Halide 400W Metered Dir	95		9.8 \$	931	10.22	971	10.22	971	(\$ -)	10.22	970.90	\$ -	
M/Vapor Sec Light 74 KWH	17,942		10.14 \$	181,932	10.57	189,647	10.17	182,470	(\$ 7,176.80)	10.17	182,470.14	\$ -	
M/Vapor Metered Sec Light	1,332		6.93 \$	9,231	7.23	9,630	7.23	9,630	(\$ -)	7.23	9,630.36	\$ -	
Sodium Security Light	4,983		10.14 \$	50,528	10.57	52,670	10.17	50,677	(\$ 1,993.20)	10.17	50,677.11	\$ -	
Sodium Metered Sec Light	48		6.93 \$	333	7.23	347	7.23	347	(\$ -)	7.23	347.04	\$ -	
Sodium Directional Light	6,569		16.29 \$	107,009	16.99	111,607	16.28	106,943	(\$ 4,663.99)	16.28	106,943.32	\$ -	
Sodium Metered Directional	64		8.8 \$	563	9.18	588	9.18	588	(\$ -)	9.18	587.52	\$ -	
M/Halide 400W Directional	2,677		22.19 \$	59,403	23.14	61,946	22.02	58,948	(\$ 2,998.24)	22.02	58,947.54	\$ -	
M/Halide 400W Metered Dir	628		9.8 \$	6,154	10.22	6,418	10.22	6,418	(\$ -)	10.22	6,418.16	\$ -	
M/Halide 1000W Directional	1,875		39.99 \$	74,981	41.70	78,188	39.05	73,219	(\$ 4,968.75)	39.05	73,218.75	\$ -	
M/Halide 1000W Metered Dir	428		10.94 \$	4,682	11.41	4,883	11.41	4,883	(\$ -)	11.41	4,883.48	\$ -	
Metal Halide 1000W Dir	22		39.99 \$	880	41.70	917	39.05	859	(\$ 58.30)	39.05	859.10	\$ -	
M/Halide 250W Directional	764		17.59 \$	13,439	18.34	14,012	17.63	13,469	(\$ 542.44)	17.63	13,469.32	\$ -	
M/Halide 250W Metered Dir	36		9.8 \$	353	10.22	368	10.22	368	(\$ -)	10.22	367.92	\$ -	
Total From Base Rates			\$ 3,065,140	\$ 3,195,321	\$ 3,071,971	(\$ 123,350)	\$ 3,071,971	\$ (123,350)	\$ 3,071,971	\$ -	0.00%		

Street Lighting

Actual Billing Date	End of Test Year Rate	Normalized Revenues	Current Rate	Normalized Revenues	% of Total	Rates Effective May 31, 2011			Proposed Rates		
						Case No. 2010-00185	Current Rate	Normalized Revenues	Proposed Rate	Normalized Revenues	Increase Amount
M/Vapor Sec Light 74 KWH	2.00	448	8.48	1,900	8.02	1,796	(\$103.04)	9.22	2,066	269.47	15.00%
400W Flood 21000 Lum-M.Mv	14.73	177	8.48	102	8.02	96	(\$52)	9.22	111	14.44	15.00%
Sodium Streetlgt 380 Warts	6.80	326	14.12	678	13.12	630	(\$48.00)	15.09	724	94.46	15.00%
250 W Flood 12100 Lum-M.Mv	13.54	8,936	14.12	9,319	13.12	8,659	(\$660.00)	15.09	9,958	1,298.88	15.00%
0			0								
400 Watt 19100 Lum-M.Mv	8.13	31,740	8.48	33,106	8.02	31,310	(\$1,795.84)	9.22	36,007	4,696.51	15.00%
Sodium Streetlgt 160 Warts	8.13	76,503	8.48	79,797	8.02	75,488	(\$4,328.60)	9.22	86,788	11,320.23	15.00%
Sodium Streetlgt 360 Warts	13.54	11,861	14.12	12,369	13.12	11,493	(\$876.00)	15.09	13,217	1,723.97	15.00%
Sodium Cobra-HD 100W SltLgt	8.13	5,268	8.48	5,495	8.02	5,197	(\$298.08)	9.22	5,977	779.54	15.00%
Total From Base Rates		\$ 135,260		\$ 142,765		\$ 134,650	(\$8,115)		\$ 154,848	\$ 20,198	15.00%

Decorative Street Lightings

Actual Billing Date	Test Year End	Normalized Revenues	Current Rate	Normalized Revenues	Increase Total	Rates Effective January 14, 2011			Rates Effective May 31, 2011			Proposed Rates		
						Case No. 2010-00185	Current Rate	Normalized Revenues	Proposed Rate	Normalized Revenues	Increase Amount	Increase Percent		
250W Cobra Existing Pole	15.88	1,334	16.56	1,391	57	15.89	1,335	(\$62.88)	15.89	1,334.76	-	-		
250W Cobra 30' Aluminum Pol	21.94	10,158	22.88	10,593	435	22.21	10,283	(\$310.21)	22.21	10,283.23	-	-		
1000W M/Halide Galleria	24.18	1,451	25.21	1,513	62	24.5	1,470	(\$42.60)	24.50	1,470.00	-	-		
400W M/Halide Galleria	38.24	1,377	39.88	1,436	59	37.23	1,340	(\$95.40)	37.23	1,340.28	-	-		
100W Metal Halide Acorn	22.26	3,205	23.21	3,342	137	22.09	3,181	(\$161.28)	22.09	3,180.96	-	-		
14" Smooth Pole	7.49	1,498	7.81	1,500	2	7.81	1,500	-	7.81	1,499.52	-	-		
30' Square Steel Pole	11.14	4,790	11.62	4,997	207	11.62	4,997	-	11.62	4,996.60	-	-		
100W Metal Halide Acorn	14.42	11,262	15.04	11,746	484	15.04	11,746	-	15.04	11,746.24	-	-		
100W Metal Halide Galleria	8.29	7,736	10.81	8,068	332	10.51	8,068	-	10.51	8,068.32	-	-		
Metered 100W M/Hal Acorn	10.37	8,348	10.81	8,702	354	8.34	8,461	(\$241.50)	8.34	1,084.20	-	-		
400W Metal Halide Galleria	16.53	1,078	17.24	1,123	45	15.89	1,060	(\$93.00)	15.89	1,060.32	-	-		
250W Cobra Existing Pole	22.26	1,088	23.21	1,114	26	22.09	1,060	(\$53.76)	22.09	1,060.32	-	-		
250W Cobra 30' Aluminum Pol	7.49	449	7.81	469	20	7.81	469	-	7.81	468.60	-	-		
400W Mercury Cobra 12' Arm	15.88	7,432	16.56	7,750	318	15.89	7,437	(\$313.56)	15.89	7,436.52	-	-		
100W M/Halide Lexington	21.94	855	22.86	892	37	22.21	848	(\$40.20)	22.21	847.86	-	-		
0	8.29	1,293	8.64	1,348	55	8.34	1,301	(\$46.80)	8.34	1,301.04	-	0.00%		
Total From Base Rates		64,591	0	67,356	2,765		65,912	(\$1,444)		65,912	-	-		

122,474,244	127,711,769	5,237,525	118,926,591	(8,683,306)	127,774,506	8,847,915
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SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST  
Witness: Jim Adkins

Question:

Provide an updated copy of Exhibits G, J, and R electronically on CD-ROM in Microsoft Excel format with all formulas intact and unprotected. If revisions to these exhibits are necessary as a result of responses to these data requests, provide revised electronic versions of the exhibits as well as hard copies.

Response:

Attached as this response are the revised Exhibits G, J, and R in hard copy form and in electronic form.

# **SOUTH KENTCKY RECC**

# **COST OF SERVICE STUDY**

**February 2011 - J. Adkins**



TEST YEAR REVENUE REQUIREMENTS WITH ADJUSTMENTS

TEST YEAR EXPENSES									
Acct No.	Description	Actual Test Year	Payroll Adjustments #1, 2, 6, 7 & 8	Depreciation Adj #3	Adjustments #4, 5 & 17	Adjustments #9, 10, 12, 13, 15 Adjustment	Purchased Power (a)	Total Amount of Adjustments	Adjusted Test Year
555	Purchased Power								
7	Demand Charges								
8	Metering Point & Substations Charges								
9	Energy Charges								
10	Renewable Resource Energy								
11	Total Purchased Power	89,172,733					(1,264,615)	-	87,908,118
12	Operations Supv & Eng	62,584	1,137						63,721
13	Load Dispatching	-							-
14	Station Expense	9,428							9,428
15	Overhead Line Exp.	1,280,506	4,427						1,284,932
16	Underground Line Exp	74,907							74,907
17	Street Lights	-							-
18	Meter Expense	1,121,474	17,294						1,138,768
19	Consumer Installations	334,911	5,205						340,117
20	Misc. Distribution Exp	657,711	7,551	2,811				46,068	714,141
21	Rents								
22	Total Dist. Operations	3,541,520	35,615	2,811				46,068	3,626,013
23	Maint Supv & Eng	65,186	1,431						66,617
24	Maint of Station Equip	27,258							27,258
25	Maint. Overhead Lines	6,293,127	45,100						6,338,227
26	Maint of Underground Lines	10,045	154						10,200
27	Maint Line Transformers	10,247	2						10,249
28	Maint of Street Lights	30,900	427						31,327
29	Maintenance of Meters	18,816	8						18,824
30	Maintenance of Security Lights	358,094							358,094
31	Maint Misc Distrib Plant	11,396	3,852	4,112				4,112	19,361
32	Total Dist. Maint.	6,825,070	50,975	4,112					6,880,156
33	Supervision	30,118	529						30,835
34	Meter Reading Expense	580,908	532						581,440
35	Cons Recds & Collections	2,880,698	34,912						2,915,611
36	Uncollectible Accounts	627,817							627,817
37	Total Consumer Accts	4,119,541	35,974						4,155,703
38									
39	Customer Information	30,464	535						30,999
40	Customer Accounting	558,684	9,769						568,454
41	Consumer Information	125,154	1,826						126,981
42	Mis. Customer Information	3,295	392						3,943
43	Key Accounts Expenses	22,270							22,270
44	Total Customer Serv.	739,868	12,523	256					752,647
45									

SOUTH KENTUCKY RECC  
CASE NO. 2011-00096

TEST YEAR REVENUE REQUIREMENTS WITH ADJUSTMENTS

46	920	Administrative Salaries	891,199	20,218					911,417
47	921	Office Supplies	327,337						327,337
48	923	Outside Services	418,853			(22,763)			396,090
49	924	Property Ins	-						-
50	925	Injuries & Damages	204,506						204,506
51	926	Employ Pensions & Benef	-						-
52	928	Regulatory Exp	7,796						7,796
53	929	Duplicate Charges	(27,076)						(27,076)
54	930	Misc General Exp	1,478,176	1,433	319	1,982	(464,990)		1,016,920
55	931	Rentals	-						-
56	935	Maintenance of Gen. Plant	659,173	5,946	319	1,982	(487,753)		665,119
57		Total Admin & General	3,959,964	27,597	319	1,982	(487,753)		3,502,109
58									
59	403.6	Deprec. Distribution Plant	5,068,055						8,619,547
60	403.7	Deprec. General Plant	550,879						550,879
61		Total Depreciation	5,618,934						9,170,426
62									
63	408.11	PSC Assessment & Sales Taxes	112,331						112,331
64	408.5	Miscellaneous Amortization	4,684						4,684
65	425-426	Contributions	60,790						0
66		Total Miscellaneous	177,805				(60,790)		117,015
67									
68	427.1	Interest - RUS Consluc	5,270,836						5,478,474
69	427.24	City of Monticello	196,808						196,808
70	427.21	Interest - CFC	619,431						619,431
71		Total Interest on LTD	6,087,075						6,294,713
72									
73	431	Other Interest Expense	-						-
74	431.1	Interest on Consumer Deposits	59,074						59,074
75									
76		Total ST Interest	59,074						59,074
77									
78		Total Costs	120,301,584	162,683	3,559,178	256,888	(548,543)	(1,264,615)	122,466,975
79		Margin Requirements	8,722,779			297,545			9,020,324
80		Total Revenue Require.	129,024,363	162,683	3,559,178	553,233	(548,543)	(1,264,615)	131,488,299
81									
82		Less: Misc Income							
83	450	Forfeited Discounts	1,111,222						1,111,222
84	451	Misc Service Revenue	211,101						211,101
85	452	Return Check Charge	-						-
86	454	Rent from Electric Prop.	1,879,391						1,879,391
87	456	Other Electric Revenue	16,384						72,749
88		Total Misc Income	3,218,098			56,365			3,274,463
89									
90		Less: Other Income							
91	415	Net Revenue from Merchandising	133,984						133,984
92	416	Cost of Merchandising	(174,082)						(174,082)
93	417	Revenue from Non-utility Operations	1,649						1,649
94	418	Revenue from Non-operating rentals	10,171						10,171
95	419	Interest Income	100,164						100,164
96	421	Misc. Non-operating Income	121,446						121,446
97	424	Other Capital Credits	5,179,982						261,565
98		Total Other Income	5,373,312				(4,918,417)		454,895
99		Revenue Requirements from Rates	120,432,952	162,683	3,559,178	496,868	4,369,874	(1,264,615)	127,756,941
		TIER	2.43						

**SOUTH KENTUCKY RECC  
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Revised Exhibit R  
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Witness: Jim Adkins

**ALLOCATION OF TEST YEAR ADJUSTMENTS TO VARIOUS ACCOUNTS**

	Amount	Percent	Wages & Salaries Adj.	Payroll Tax Adj.	FAS 106 Adj.	Retirement Adj.	Health Insurance Adj.	Total
580.00 Supervision, operations	38,381	0.70%	(408)	(6)	306	588	657	1,137
583.00 Overhead line	149,436	2.72%	(1,588)	(22)	1,192	2,289	2,556	4,427
586.00 Meter	583,836	10.63%	(6,203)	(88)	4,655	8,942	9,987	17,294
587.00 Installations	175,726	3.20%	(1,867)	(26)	1,401	2,691	3,006	5,205
588.00 Miscellaneous distribution	254,922	4.64%	(2,708)	(38)	2,033	3,904	4,361	7,551
590.00 Supervision, maintenance	48,312	0.88%	(513)	(7)	385	740	826	1,431
593.00 Maintenance	1,522,516	27.72%	(16,175)	(228)	12,140	23,318	26,045	45,100
594.00 Underground	5,213	0.09%	(55)	(1)	42	80	89	154
595.00 Transformers	74	0.00%	(1)	(0)	1	1	1	2
596.00 Street lights	14,410	0.26%	(153)	(2)	115	221	247	427
597.00 Meters	264	0.00%	(3)	(0)	2	4	5	8
598.00 Miscellaneous maintenance	130,052	2.37%	(1,382)	(20)	1,037	1,992	2,225	3,852
901.00 Supervision	17,858	0.33%	(190)	(3)	142	274	305	529
902.00 Meter reading	17,976	0.33%	(191)	(3)	143	275	308	532
903.00 Consumer records	1,178,594	21.46%	(12,521)	(177)	9,398	18,051	20,162	34,912
907.00 Supervision, Customer serv	18,063	0.33%	(192)	(3)	144	277	309	535
908.00 Consumer accounting	329,793	6.01%	(3,504)	(49)	2,630	5,051	5,642	9,769
909.00 Consumer information	61,649	1.12%	(655)	(9)	492	944	1,055	1,826
910.00 Misc customer information	13,239	0.24%	(141)	(2)	106	203	226	392
920.00 Administrative	682,548	12.43%	(7,251)	(102)	5,442	10,454	11,676	20,218
930.00 Miscellaneous	48,384	0.88%	(514)	(7)	386	741	828	1,433
935.00 Maintenance general plant	200,719	3.65%	(2,132)	(30)	1,600	3,074	3,434	5,946
Total	5,491,965	100%	(58,346)	(824)	43,791	84,113	93,949	162,683

**SOUTH KENTUCKY RECC  
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**FUNCTIONALIZATION SUMMARY**

	Purchased Power	Stations	Lines	Transformers	Services
Expense					
Purchased Power	87,908,118				
Distribution Operations		12,003	1,509,528	-	221,698
Distribution Maintenance		27,603	6,428,763	10,379	-
Consumer Accounts					
Customer Service					
Administrative & General		8,998	1,803,544	2,358	50,369
Depreciation		41,253	5,232,889	1,471,471	950,842
Miscellaneous		518	66,533	18,090	11,750
Interest on Long Term Debt		27,872	3,579,087	973,154	632,057
Short Term Interest		262	33,589	9,133	5,932
Total Costs	87,908,118	118,509	18,653,933	2,484,585	1,872,647
Margin Requirements	-	39,940	5,128,832	1,394,529	905,737
Revenue Requirements	87,908,118	158,449	23,782,765	3,879,114	2,778,384
		25.21%			

**SOUTH KENTUCKY RECC  
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Revised Exhibit R  
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Witness: Jim Adkins

**FUNCTIONALIZATION SUMMARY**

		Consumer Services & Accounting	Outdoor Lighting	Street Lighting	Total
Expense	Meters				
Purchased Power					87,908,118
Distribution Operations	1,449,778	-	433,006	-	3,626,013
Distribution Maintenance	19,062	-	362,626	31,724	6,848,433
Consumer Accounts		4,155,703			4,155,703
Customer Service		752,647			752,647
Administrative & General	333,714	1,115,155	180,764	7,207	3,494,902
Depreciation	957,026	175,413	310,453	31,079	9,139,347
Miscellaneous	12,173	3,523	4,038	391	116,624
Interest on Long Term Debt	654,822	189,497	217,199	21,026	6,273,688
Short Term Interest	6,145	1,778	2,038	197	58,876
Total Costs	3,432,720	6,393,715	1,510,124	91,624	122,374,351
Margin Requirements	938,360	271,549	311,247	30,130	8,990,195
Revenue Requirements	4,371,080	6,665,264	1,821,371	121,754	131,486,299
					122,374,351

SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
FUNCTIONALIZATION OF TEST YEAR EXPENSES

Acct No.	Description	FUNCTIONALIZATION										Total	Alloc. Basis			
		Adjusted Test Year	Purchased Power	Stations	Lines	Trans-formers	Services	Meters	Consumer Services & Accounting	Security Lighting	Street Lighting			Street Lighting		
555	Purchased Power Demand Charges	18,718,776	18,718,776												18,718,776	
0	Erring Point & Substations Char- Energy Charges	2,129,001	2,129,001												2,129,001	
0	Renewable Resource Energy	67,055,598	67,055,598												67,055,598	
0	Total Purchased Power	4,743	4,743												4,743	
0	0	87,908,118	87,908,118												87,908,118	DA
580	Operations Supv & Eng	63,721		211	26,527		3,896	25,477		7,609					63,721	DA
581	Load Dispatching	9,428		9,428											9,428	DA
582	Station Expense	1,284,932			1,120,386		164,546								1,284,932	DA
583	Overhead Line Exp.	74,907			65,314		9,592								74,907	DA
584	Underground Line Exp															DA
585	Street Lights															DA
586	Meter Expense	1,138,768						1,138,768		340,117					1,138,768	DA
587	Consumer Installations	340,117						285,533		85,280					340,117	2
588	Misc. Distribution Exp	714,141		2,364	297,301		43,663								714,141	
589	Rents															
		3,626,013		12,003	1,509,528		221,698	1,449,778		433,006					3,626,013	
590	Maint Supv & Eng	66,617		267	62,246	100		185		3,511	307				66,617	3
591	Maint of Station Equip	27,258		27,258											27,258	DA
592	Maint. Overhead Lines	6,338,227			6,338,227										6,338,227	DA
593	Maint of Underground Lines	10,200			10,200										10,200	DA
594	Maint Line Transformers	10,249				10,249									10,249	DA
595	Maint of Street Lights	31,327						18,824			31,327				31,327	DA
596	Maintenance of Meters	18,824						18,824		358,094					18,824	DA
597	Maintenance of Security Lights	358,094						54		1,020	89				358,094	3
597	Maint Misc Distrib Plant	19,361		78	18,090	29		19,062		362,626	31,724				19,361	
598	Total Dist. Maint.	6,880,156		27,603	6,428,763	10,379									6,880,156	
901	Supervision	30,835								30,835					30,835	DA
901	Meter Reading Expense	581,440								581,440					581,440	DA
902	Cons Reads & Collections	2,915,611								2,915,611					2,915,611	DA
903	Uncollectible Accounts	627,817								627,817					627,817	DA
904	Total Consumer Accts	4,155,703								4,155,703					4,155,703	DA
0	0															
907	Customer Information	30,999								30,999					30,999	DA
907	Customer Accounting	568,454								568,454					568,454	DA
908	Customer Information	126,981								126,981					126,981	DA
909	Mis. Customer Information	3,943								3,943					3,943	DA
910	Key Accounts Expenses	22,270								22,270					22,270	
912	Total Customer Serv.	752,647								752,647					752,647	DA

SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
FUNCTIONALIZATION OF TEST YEAR EXPENSES

Acct No.	Description	FUNCTIONALIZATION										Total	Alloc. Basis			
		Adjusted Test Year	Purchased Power	Stations	Lines	Trans-formers	Services	Meters	Consumer Services & Accounting	Security Lighting	Street Lighting			Street Lighting		
0																
920	Administrative Salaries	911,417		2,342	469,369	614	13,108	86,848	290,217	47,043	1,876			911,417	7	
921	Office Supplies	327,337		841	168,575	220	4,708	31,192	104,232	16,896	674			327,337	7	
923	Outside Services	396,090		1,018	203,982	267	5,697	37,743	126,124	20,444	815			396,090	7	
924	Property Ins	-			-									-	7	
925	Injuries & Damages	204,506		525	105,318	138	2,941	19,487	65,120	10,596	421			204,506	7	
926	Employ Pensions & Benef	-			-									-	7	
928	Regulatory Exp	7,796		20	4,015	5	112	743	2,482	402	16			7,796	7	
929	Duplicate Charges	(27,076)		(70)	(13,944)	(18)	(389)	(2,580)	(8,822)	(1,398)	(56)			(27,076)	7	
930	Misc General Exp	1,016,920		2,613	523,701	685	14,626	96,902	323,811	52,489	2,093			1,016,920	7	
931	Rents	665,119		1,709	342,528	448	9,566	63,379	211,790	34,331	1,369			665,119	4	
935	Maintenance of Gen. Plant	3,502,109		8,998	1,803,544	2,358	50,369	333,714	1,115,195	180,764	7,207			3,502,109	4 Gen Plt	
0	Total Admin & General															
0	Deprec. Distribution Plant	8,619,547		39,838	4,949,193	1,471,100	942,920	904,533	175,413	282,018	29,945			8,619,547	6	
403.6	Deprec. General Plant	550,879		1,415	283,696	371	7,923	52,493	175,413	28,434	1,134			550,879	6	
403.7	Total Depreciation	9,170,426		41,253	5,232,889	1,471,471	950,842	957,026	175,413	310,453	31,079			9,170,426	6	
0	PSC Assessment & Sales Tax	112,331												112,331		
408.1	Miscellaneous Amortization	4,684												4,684		
408.5	Contributions	0												0		
425.42	Total Miscellaneous	117,015		518	66,533	18,090	11,750	12,173	3,523	4,038	391			117,015	Tot Plt	
0	Interest - RUS Construct	5,478,474												5,478,474		
427.1	City of Monticello	196,808												196,808		
427.2	Interest - CFC	619,431												619,431		
427.2	Total Interest on LTD	6,294,713		27,872	3,579,087	973,154	632,057	654,822	189,497	217,199	21,026			6,294,713	5	
0	#REF!	0												0		
431	Other Interest Expense	59,074												59,074		
431	Total ST Interest	59,074		262	33,589	9,133	5,932	6,145	1,778	2,038	197			59,074	Rate Base	
0	Total Costs	122,465,975		87,908,118	118,509	18,653,933	2,484,585	1,872,647	3,432,720	6,393,715	1,510,124			122,465,975		
0	Margin Requirements	9,020,324		39,940	5,128,832	1,394,529	905,737	938,360	271,549	311,247	30,130			9,020,324		
0	Total Revenue Require.	131,486,299		87,908,118	158,449	23,782,765	3,879,114	2,778,384	4,371,080	6,665,264	1,821,371			131,486,299		
		(0)												131,486,299		

**SOUTH KENTUCKY RECC**  
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**FUNCTIONALIZATION OF TEST YEAR EXPENSES**

**FOOTNOTES**

1 Line Expenses are Allocated between Lines and Services Based on Plant Investment.					
	\$\$\$	%			
Poles and Conductor	139,376,132	87.19%			
Services	20,469,544	12.81%			
<b>Total</b>	<b>159,845,676</b>	<b>100.00%</b>			

2 Allocation of Dist. Oper. Supervision & Miscellaneous Expenses					
	Actual	%	Superv	Misc. Exp.	Rents
Load Dispatching	9,428	0.00%	211	2,364	-
Stations	1,185,700	41.63%	26,527	297,301	-
Lines	-	0.00%	-	-	-
Transformers	174,138	6.11%	3,896	43,663	-
Services	1,138,768	39.98%	25,477	285,533	-
Meters	340,117	11.94%	7,609	85,280	-
Consumer Installation	-	0.00%	-	-	-
Street Lighting	2,848,152	100%	63,721	714,141	-
			63,721	714,141	-

3 Allocation of Dist. Maint. Supervision & Miscellaneous Expenses					
	Actual	%	Superv	Misc. Exp.	
Stations	27,258	0.40%	267	78	
Lines	6,348,426	93.44%	62,246	18,090	
Transformers	10,249	0.15%	100	29	
Services	-	0.00%	-	-	
Meters	18,824	0.28%	185	54	
Security Lighting	358,094	5.27%	3,511	1,020	
Street Lighting	31,327	0.46%	307	89	
	6,794,179	100%	66,617	19,361	

4 General Plant Allocation Comes From the Rate Base Schedule Line General Plant Percent					
	Lines	Services	Outdoor Lighting	Lines	Services
Rate Base Allocation Comes from the Rate Base Schedule Line Rate Base Percent.	51,967,266	51,967,266	-	100.0%	0.0%
Rate Base Allocation Comes from the Rate Base Schedule Line Rate Base Percent.	5,746,724	5,746,724	-	100.0%	0.0%
Rate Base Allocation Comes from the Rate Base Schedule Line Rate Base Percent.	20,469,544	20,469,544	-	100.0%	0.0%
Rate Base Allocation Comes from the Rate Base Schedule Line Rate Base Percent.	78,183,534	57,713,990	20,469,544	73.8%	26.2%



SOUTH KENTUCKY RECC  
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FUNCTIONALIZATION OF TEST YEAR EXPENSES

FOOTNOTES

Acct.	Description	Stations	Lines	Trans- formers	Services	Meters	Consumer Services & Accounting	Security Lighting	Street Lighting	Total
Total Customer Serv.										
7	Admin & General Expense Allocation except General Plant									
580	Operations Supv & Eng	211	26,527	-	3,896	25,477	-	7,809	-	63,721
581	Load Dispatching	-	-	-	-	-	-	-	-	-
582	Station Expense	9,428	-	-	-	-	-	-	-	9,428
583	Overhead Line Exp.	-	1,120,386	-	-	164,546	-	-	-	1,284,932
584	Underground Line Exp	-	65,314	-	9,592	-	-	-	-	74,907
585	Street Lights	-	-	-	-	-	-	-	-	-
586	Meter Expense	-	-	-	-	1,138,768	-	-	-	1,138,768
587	Consumer Installations	-	-	-	-	-	-	340,117	-	340,117
588	Misc. Distribution Exp	2,364	297,301	-	43,663	285,533	-	85,280	-	714,141
589	Rents	12,003	1,509,528	-	221,698	1,449,778	-	433,006	-	3,626,013
590	Maint Supv & Eng	267	62,246	100	-	185	-	3,511	307	66,617
591	Maint of Station Equip	27,258	-	-	-	-	-	-	-	27,258
592	Maint. Overhead Lines	-	6,338,227	-	-	-	-	-	-	6,338,227
593	Maint of Underground Lines	-	10,200	-	-	-	-	-	-	10,200
594	Maint Line Transformers	-	-	10,249	-	-	-	-	-	10,249
595	Maint of Street Lights	-	-	-	-	-	-	-	31,327	31,327
596	Maintenance of Meters	-	-	-	-	18,824	-	-	-	18,824
597	Maintenance of Security Lights	0	0	0	0	0	0	358,094	0	358,094
598	Maint Misc Distrib Plant	78	18,090	29	-	54	-	1,020	89	19,361
598	Total Dist. Maint.	27,603	6,428,763	10,379	-	19,082	-	362,626	31,724	6,880,156
Supervision										
901	Meter Reading Expense						30,835			30,835
902	Cors Recds & Collections						581,440			581,440
903	Uncollectible Accounts						2,915,611			2,915,611
904	Total Consum Accts						627,817			627,817
Customer Information										
907	Customer Accounting						30,999			30,999
908	Consumer Information						568,454			568,454
909	Mis. Customer Information						126,981			126,981
910	Expense from Contracting						3,943			3,943
914	Total Customer Serv.						22,270			22,270
							752,647			752,647
Total all Expenses										
		39,606	7,938,291	10,379	221,698	1,468,840	4,908,349	795,632	31,724	15,414,519
	Functions as % of Total	0.26%	51.50%	0.07%	1.44%	9.53%	31.84%	5.16%	0.21%	100.00%





**SOUTH KENTUCKY RECC  
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Revised Exhibit R  
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Witness: Jim Adkins

**CLASSIFICATION OF EXPENSES**

<u>Expense</u>	<u>2 Lines</u>	<u>Consumer Related Costs</u>	<u>Demand Related Costs</u>	<u>Total</u>
Purchased Power	-	-	-	-
Distribution Operations	1,509,528	526,433	983,095	1,509,528
Distribution Maintenance	6,428,763	2,241,969	4,186,794	6,428,763
Consumer Accounts	-	-	-	-
Customer Service	-	-	-	-
Administrative & General	1,803,544	628,969	1,174,575	1,803,544
Depreciation	5,232,889	1,824,920	3,407,969	5,232,889
Miscellaneous	66,533	23,203	43,330	66,533
Interest on Long Term Debt	3,579,087	1,248,172	2,330,915	3,579,087
Short Term Interest	33,589	11,714	21,875	33,589
<b>Total Costs</b>	<b>18,653,933</b>	<b>6,505,380</b>	<b>12,148,553</b>	<b>18,653,933</b>
Margin Requirements	5,128,832	1,788,631	3,340,201	5,128,832
Revenue Requirements	23,782,765	8,294,011	15,488,754	23,782,765
<u>Expense</u>	<u>3 Transformers</u>	<u>Consumer Related Costs</u>	<u>Demand Related Costs</u>	<u>Total</u>
Purchased Power	-	-	-	-
Distribution Operations	-	-	-	-
Distribution Maintenance	10,379	3,111	7,268	10,379
Consumer Accounts	-	-	-	-
Customer Service	-	-	-	-
Administrative & General	2,358	707	1,651	2,358
Depreciation	1,471,471	441,028	1,030,443	1,471,471
Miscellaneous	18,090	5,422	12,668	18,090
Interest on Long Term Debt	973,154	291,673	681,481	973,154
Short Term Interest	9,133	2,737	6,395	9,133
<b>Total Costs</b>	<b>2,484,585</b>	<b>744,677</b>	<b>1,739,908</b>	<b>2,484,585</b>
Margin Requirements	1,394,529	417,967	976,562	1,394,529
Revenue Requirements	3,879,114	1,162,644	2,716,470	3,879,114
		<u>Energy Related Costs</u>	<u>Demand Related Costs</u>	
Purchased Power	87,908,118	67,060,341	20,847,777	87,908,118

**SOUTH KENTUCKY RECC  
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Revised Exhibit R  
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Witness: Jim Adkins

**CLASSIFICATION OF EXPENSES**

Expense	Consumer Related Costs				Total
	<u>Services</u>	<u>Meters</u>	<u>Consumer Services &amp; Accounting</u>		
Purchased Power	-	-	-	-	-
Distribution Operations	221,698	1,449,778	-	-	1,671,476
Distribution Maintenance	-	19,062	-	-	19,062
Consumer Accounts	-	-	4,155,703	-	4,155,703
Customer Service	-	-	752,647	-	752,647
Administrative & General	50,369	333,714	1,115,155	-	1,499,237
Depreciation	950,842	957,026	175,413	-	2,083,281
Miscellaneous	11,750	12,173	3,523	-	27,445
Interest on Long Term Debt	632,057	654,822	189,497	-	1,476,376
Short Term Interest	5,932	6,145	1,778	-	13,855
<b>Total Costs</b>	<b>1,872,647</b>	<b>3,432,720</b>	<b>6,393,715</b>		<b>#####</b>
Margin Requirements	905,737	938,360	271,549		2,115,647
Revenue Requirements	2,778,384	4,371,080	6,665,264		#####
		6			
	<u>Stations</u>	<u>Lighting</u>	<u>Lighting</u>		
Expense					
Purchased Power		-			
Distribution Operations	12,003	433,006	-		
Distribution Maintenance	27,603	362,626	31,724		
Consumer Accounts	-	-	-		
Customer Service	-	-	-		
Administrative & General	8,998	180,764	7,207		
Depreciation	41,253	310,453	31,079		
Miscellaneous	518	4,038	391		
Interest on Long Term Debt	27,872	217,199	21,026		
Short Term Interest	262	2,038	197		
<b>Total Costs</b>	<b>118,509</b>	<b>1,510,124</b>	<b>91,624</b>		
Margin Requirements	39,940	311,247	30,130		
Revenue Requirements	158,449	1,821,371	121,754		

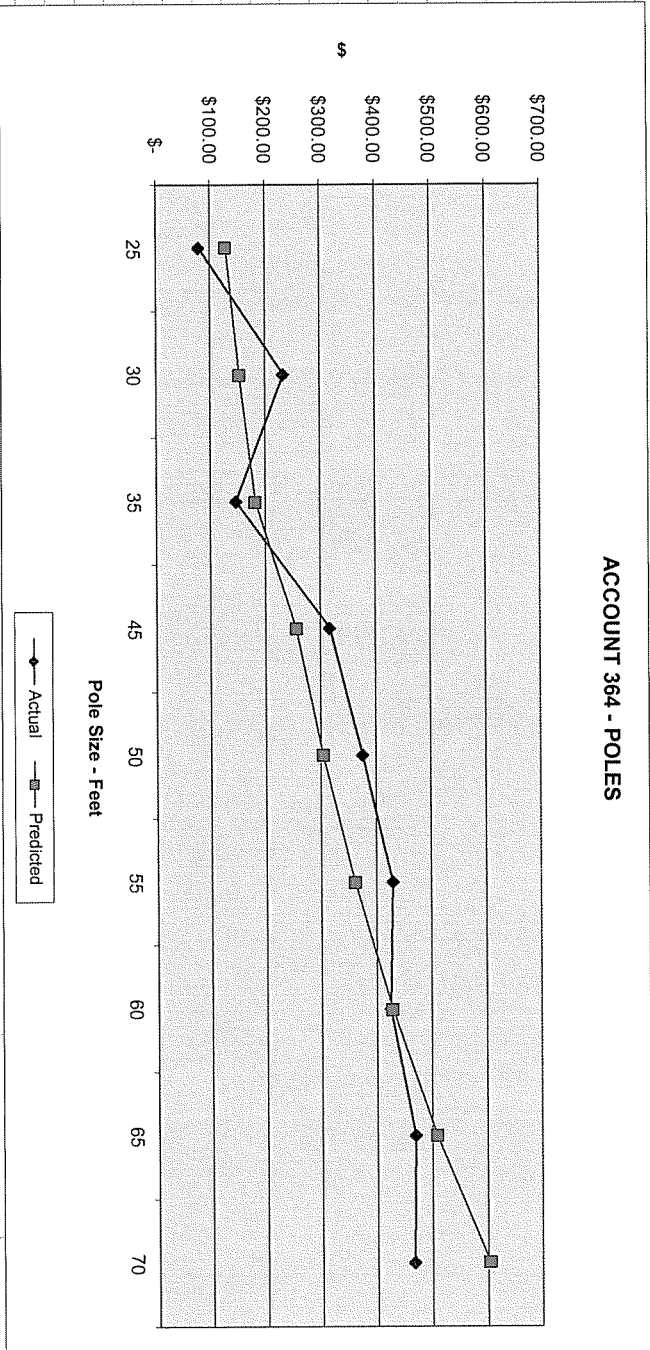
DEMAND AND CONSUMER RELATED INVESTMENTS

ACCOUNT 364 - POLES				
1. Actual Data				
Poles	Size	Investment	Number of Units	Unit Cost
25' Pole	25	1,309,882.57	16,462	\$ 79.57
30' Pole	30	7,643,715.74	32,638	\$ 234.20
35' Pole	35	4,505,836.07	30,748	\$ 146.54
40' Pole	40	15,702,884.91	48,820	\$ 321.65
45' Pole	45	5,204,377.94	16,411	\$ 317.13
50' Pole	50	675,342.25	1,794	\$ 376.44
55' Pole	55	110,024.99	256	\$ 429.79
60' Pole	60	23,802.59	56	\$ 425.05
65' Pole	65	12,690	27	\$ 470.00
70' Pole	70	1,403	3	\$ 467.52
<b>Subtotal</b>		35,189,960	147,215	
All other items		0		
<b>Total Investment in Poles</b>		35,189,960		
2. Determination of Demand and Consumer Related Investment				
Exponential Curve	Formula	Slope	Y intercept	
Use y-intercept	$y=b \cdot m^x$	1.035	54.355	
Number of poles			54.3548	
Consumer Related Investment			147,215	
Total Investment in poles			8,001,843	
Percent Customer Related			35,189,960	
Percent Demand Related			22.74%	
			77.26%	

DEMAND AND CONSUMER RELATED INVESTMENTS

Account 364 - Poles

ACCOUNT 364 - POLES



Data for Graph		Relevant Data		
Used Exponential Curve		Size of Pole	Average Cost Per Unit	Predicted Cost
since regression analysis provide a y intercept with a negative value		0	-	(\$61.32)
		25	\$ 79.57	128.46
		30	\$ 234.20	152.58
		35	\$ 146.54	181.22
		45	\$ 317.13	255.63
		50	\$ 376.44	303.62
		55	\$ 429.79	360.61
		60	\$ 425.05	428.30
		65	\$ 470.00	508.69
		70	\$ 467.52	604.17
EXPONENTIAL CURVE DATA				
Formula	$y=b^m \cdot x$			
SLOPE - b	1.035003371	Zero Intercept - m	54.35480696	
REGRESSION LINE DATA		SLOPE - b = \$30.34	ZERO INTERCEPT - Y = \$661.32	

DEMAND AND CONSUMER RELATED INVESTMENTS

ACCOUNT 365 - CONDUCTOR					
1. Actual Data					
Conductor	Investment	Number of Units	Unit Cost	Amps	
1/0 ACSR	2,577,747	3,222,107	\$ 0.8000	230,000	
3/0 ACSR	1,947,925	3,177,697	\$ 0.6130	324,00	
4/0 ACSR	143,976	342,367	\$ 0.4205	255,00	
2 ACSR	8,243,540	11,397,938	\$ 0.7232	184,000	
336.4 MCM	3,003,833	2,747,051	\$ 1.0935	510,000	
350 MCM	15,136	4,675	\$ 3.2377		
500 MCM	951	825	\$ 1.1524		
750 CM	3,333	450	\$ 7.4060		
OH SOACER CABKE #2 ACSR	6,674	7,482	\$ 0.8920		
OH SPACER CABLE 336.4 MCM	42,321	12307	\$ 3.4388		
OH CABLE, MESSENGER	32,498	7,749	\$ 4.1939		
OH SPACER CABLE 556	521,059	53,068	\$ 9.8187		
<b>SUBTOTAL</b>	16,538,992	20,973,716			
All other OH Conductor Invest.	-				
<b>TOTAL</b>	16,538,992				



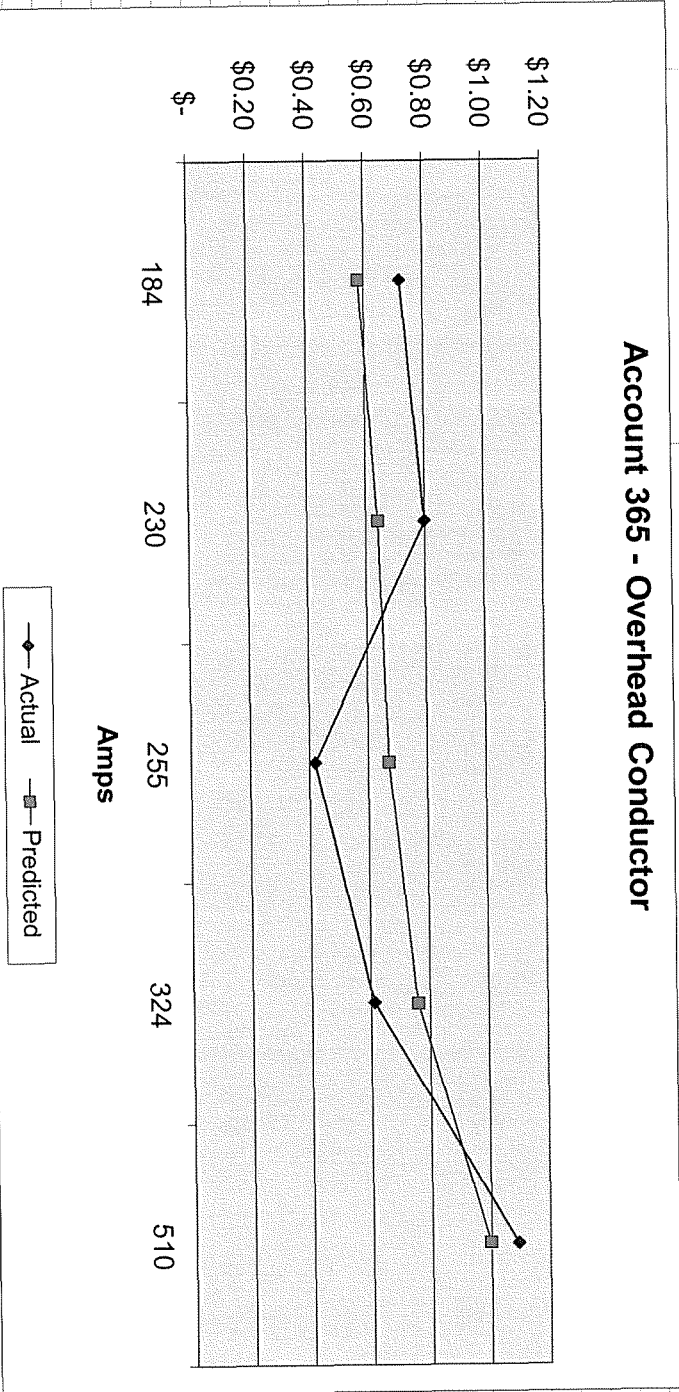
**DEMAND AND CONSUMER RELATED INVESTMENTS**

**2. Demand and Consumer Investment Percents**

Use Regression Line		
Formula	$y=a+bx$	
Intercept	0.34501407	0.34501
X Variable 1	0.001280906	20,973,716
Use zero intercept		7,236,227
Amount of Conduit		16,538,992
Consumer Related Investment		43.75%
Total Investment in conductor		56.25%
Percent Customer Related		
Percent Demand Related		

**CONDUCTOR DATA FOR GRAPH PURPOSES**

**Account 365 - Overhead Conductor**



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**DEMAND AND CONSUMER RELATED INVESTMENTS**

Data for Graph		Per Unit Cost	Wire Size	Predict Value
Conductor				
2 ACSR		\$ 0.72	184	\$ 0.5807
1/0 ACSR		\$ 0.80	230	\$ 0.6396
4/0 ACSR		\$ 0.42	265	\$ 0.6716
3/0 ACSR		\$ 0.61	324	\$ 0.7600
336.4 MCM		\$ 1.09	510	\$ 0.9983
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Acct No.	Total Investment	Consumer-Related		Demand-Related	
		Percent	Amount	Percent	Amount
364.00	51,381,498	43.75%	22,480,703.62	56.25%	28,900,794
365.00	37,592,766	22.74%	8,548,216.97	77.26%	29,044,549
	88,974,264		31,028,920.59		57,945,343
%	100.00%		34.87%		65.13%

**Breakdown of Lines into Demand Related and Consumer Related Components**

DEMAND AND CONSUMER RELATED INVESTMENTS  
ACCOUNT 368 - TRANSFORMERS

Type of Transformer	Size In KVA	Number of Transformers	Total Cost	Per Unit Cost
1 KVA CONV	1	25	10,235	409.40
1.5 KVA	1.5	130	9,737.58	74.90
3 KVA CSP	3	370	36,407	98.40
3 KVA CONV	3	61	4,170	68.37
5 KVA CSP	5	983	139,994	142.41
5 KVA CONV	5	-	-	-
7.5 KVA CSP	7.5	47	7,813	166.23
10 KVA CSP	10	14,269	3,595,420	251.97
10 KVA SP	10	61	25,887	424.38
15 KVA CONV	15	16,435	6,991,000	425.37
KVA PADMOUNT	15	4,410	667,508	151.36
15 KVA SINGLE PH CONV	15	-	-	-
25 KVA	25	13,216	6,903,723.63	522.38
25 KVA	25	140	139,033.00	993.09
37.5 KVA	37.5	512	291,609.70	569.55
25 KVA PADMOUNT	25	379	451,040.18	1,190.08
50 KVA	50	1,728	1,404,792.94	812.96
50 KVA	50	31	45,307.00	1,461.52
50 KVA PADMOUNT	50	721	1,056,049.21	1,464.70
75 KVA	75	323	362,104.01	1,121.07
75 KVA PADMOUNT	75	53	101,846.35	1,921.63
100 KVA	100	289	413,123.67	1,429.49
100 KVA PADMOUNT	100	2	9,254.00	4,627.00
150 KVA PADMOUNT	1550	24	120,571.00	5,023.79
167 KVA PADMOUNT	167	169	316,773.39	1,874.40
225 KVA 3 PH PM	225	12	52,941.50	4,411.79
250 KVA	250	42	128,120.08	3,050.48
300 KVA PADMOUNT	300	26	188,395.64	7,245.99
333 KVA MEPB	333	7	30610.89	4,372.98
333 KVA AUTO	333	47	142,229.75	3,026.16
500 KVA MEPB	500	14	60,997.23	4,356.95
500 KVA PADMOUNT	500	24	198,603.28	8,275.14
750 KVA 3 PH	750	7	96,906	13,843.71
1000 KVA 3 PH PADMOUNT	1000	8	92,164.00	11,520.50
1000 KVA AUTO	1000	49	302,577.60	6,175.05

DEMAND AND CONSUMER RELATED INVESTMENTS

ACCOUNT 368 - TRANSFORMERS CONTINUED

Type of Transformer	Size In KVA	Number of Transformers	Total Cost	Per Unit Cost
1500 KVA 3 PH PADMOUNT	1500	39	479,576.92	12,296.84
2000 KVA 3 PH PADMOUNT	2000	-	-	-
2500 KVA 3 PH PADMOUNT	2500	16	401,986.45	25,124.15
<b>Total</b>		<b>54,669</b>	<b>25,278,508</b>	

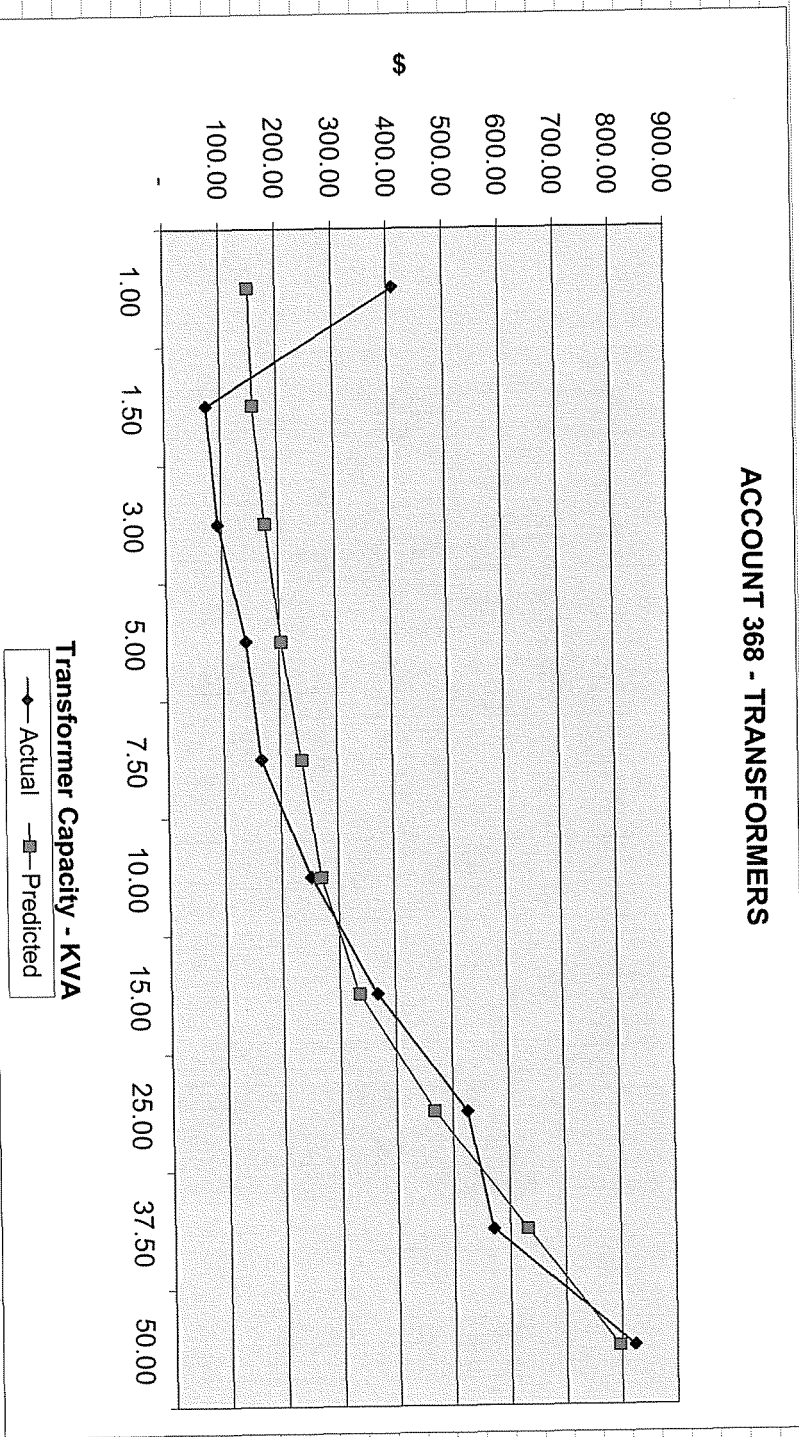
2. Demand and Consumer Investment Percents

Regression Equation	78.81568472	138,5876403
Intercept	14.94338264	13,12937221
X Variable		
Use Intercept		138.59
Number of Transformers		54,669
Consumer Related Investment		7,576,448
Total Investment in transformers		25,278,507.95
Percent Customer Related		29.97%
Percent Demand Related		70.03%

**DEMAND AND CONSUMPTION TRANSFORMERS**

Transformer Size	Actual Cost Per Unit	Predicted Cost
1.00	409.40	151.72
1.50	74.90	158.28
3.00	94.15	177.98
5.00	142.41	204.23
7.50	166.23	237.06
10.00	252.71	269.88
15.00	367.40	335.53
25.00	526.35	466.82
37.50	569.55	630.94
50.00	824.39	795.06

**ACCOUNT 368 - TRANSFORMERS**



SOUTH KENTUCKY RECC  
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ALLOCATION OF EXPENSES TO RATE CLASSES

Function	Classification	Amount	Green Power	Rate 1 Residential		Rate 2 Small Commercial		Rate 4 Large Power		Rate 5 Optional Power Serv		Rate 6 Residential ETS		Rate 7 Sml Comm ETS	
				Rate 1 Residential	Rate 2 Small Commercial	Rate 4 Large Power	Rate 5 Optional Power Serv	Rate 6 Residential ETS	Rate 7 Sml Comm ETS						
Purchased Power	Demand	18,718,776		11,274,276	1,747,300	3,063,700	483,130	-	-	-	-	-	-	-	-
Purchased Power	Energy	67,060,341	4,743	43,750,909	3,746,585	10,535,664	751,668	547,576	1,614	-	-	-	-	-	-
Metering & Substation	Demand	2,129,001		1,321,843	204,861	359,201	56,644	-	-	-	-	-	-	-	-
Stations	Demand	158,449		94,328	18,212	27,013	4,852	-	-	-	-	-	-	-	-
Lines	Consumer	8,294,011		7,670,429	531,102	43,813	20,786	-	-	-	-	-	-	-	-
Lines	Consumer	15,488,754		9,220,736	1,780,224	2,640,528	474,275	-	-	-	-	-	-	-	-
Transformers	Consumer	1,162,644		1,026,875	71,101	36,479	17,307	-	-	-	-	-	-	-	-
Transformers	Demand	2,716,470		2,057,573	253,539	239,217	48,114	-	-	-	-	-	-	-	-
Services	Consumer	2,778,384		2,290,389	232,526	154,766	73,426	9,781	52	-	-	-	-	-	-
Meters	Consumer	4,371,080		3,857,930	267,124	82,717	39,244	120,509	501	-	-	-	-	-	-
Consumer Services & Accounting	Consumer	6,665,264		5,886,482	407,582	100,869	31,903	46,088	191	-	-	-	-	-	-
Lighting	Lighting	1,943,125													
Revenue Requirements	Lighting	131,486,299	4,743	88,451,772	9,260,156	17,283,966	2,001,350	723,955	2,358	-	-	-	-	-	-
<b>SUMMARY</b>															
		Amount		Rate 1 Residential	Rate 2 Small Commercial	Rate 4 Large Power	Rate 5 Optional Power Serv	Rate 6 Residential ETS	Rate 7 Sml Comm ETS						
Consumer Related		23,271,383	-	20,732,106	1,509,436	418,644	182,666	176,379	744						
Demand Related		39,211,451	-	23,968,757	4,004,136	6,329,659	1,067,016	-	-						
Energy Related		67,060,341	4,743	43,750,909	3,746,585	10,535,664	751,668	547,576	1,614						
Lighting		1,943,125													
Revenue Requirements		131,486,299	4,743	88,451,772	9,260,156	17,283,966	2,001,350	723,955	2,358						



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LOAD DATA USED IN THE ALLOCATION OF THE DEMAND RELATED AND ENERGY RELATED COSTS

Month	Rate 1 Residential	Rate 2 Commercial	Rate 4 Large Power	Rate 5 Optional Power Serv	Rate 6 Residential ETS	Rate 7 Sml Comm ETS	Rate 8 Street Lighting	Rate 17 All Electric Schools
October	45,766,332	5,239,410	4,578,411	55	835,110	194	52,635	809,100
November	52,922,614	4,808,693	5,324,017	145	839,348	759	88,263	696,680
December	69,266,710	5,153,197	5,926,502	621	841,320	3,689	88,263	725,880
January	118,603,011	7,383,687	5,449,446	744	842,690	5,816	88,263	874,660
February	99,339,094	99,339,094	6,093,172	4,315	844,407	7,552	54,911	979,420
March	91,262,258	91,262,258	6,441,413	1,533	844,274	8,595	123,818	863,220
April	57,797,634	57,797,634	5,584,225	1,026	845,342	3,684	88,200	819,920
May	43,913,705	43,913,705	5,477,664	46	849,099	819	88,422	606,560
June	52,408,324	52,408,324	5,840,799	0	850,520	(72)	93,391	887,980
July	70,818,853	70,818,853	5,734,146	0	853,990	-	88,622	700,240
August	71,816,014	71,816,014	5,755,063	0	853,647	-	88,622	741,800
September	63,699,264	63,699,264	5,892,905	0	856,597	-	88,759	973,140
	849,780,821	72,762,631	204,613,675	14,598,187	10,530,533	31,036	1,143,973	9,678,600
Percentage	71.79%	6.15%	17.28%	1.23%	0.89%	0.00%	0.10%	0.82%
	72.43%	6.20%	17.44%	1.24%	0.00%	0.00%	0.10%	0.82%



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LOAD DATA USED IN THE ALLOCATION OF THE DEMAND RELATED AND ENERGY RELATED COSTS

Month	ENERGY KWH			Total
	Outdoor Lighting	Decorative Street Lighting	Total for Rate Classes EK Sched E	
October	1,651,906	17,748	58,950,901	70,017,291
November	1,711,841	17,704	66,410,064	77,280,088
December	1,707,266	17,880	83,731,328	93,353,891
January	1,718,097	17,528	134,983,942	144,674,367
February	1,706,824	17,704	208,386,493	218,565,180
March	1,717,915	17,748	192,543,032	202,175,153
April	1,711,797	17,748	124,667,210	134,805,231
May	1,712,707	17,704	96,580,431	106,961,304
June	1,730,901	17,704	114,237,871	125,346,168
July	1,718,354	17,725	150,750,783	162,933,337
August	1,713,294	17,748	152,802,202	164,910,728
September	1,725,737	18,588	136,954,254	149,331,341
	20,414,835	213,529	1,183,767,820	1,313,123,388
Percentage	1.72%	0.02%	100.00%	
	1.74%	0.02%	100.00%	1,173,206,251

MONTHLY CONTRIBUTIONS TO EKPC COINCIDENT PEAK DEMAND - KW									
Month	Rate 1 Residential	Rate 2 Small Commercial	Rate 4 Large Power	Rate 5 Optional Power Serv	Rate 6 Residential ETS	Rate 7 Sm1 Comm ETS	Rate 8 Street Lighting	Rate 17 All Electric Schools	Allocation %
October	110,042	25,378	42,485	7,550	-	-	150	2,057	
November	124,327	16,393	37,450	5,930	-	-	249	2,004	
December	214,134	26,881	46,025	7,516	-	-	249	2,512	
January	240,818	33,897	49,861	8,701	-	-	249	2,278	
February	213,215	31,928	48,400	8,259	-	-	249	2,363	
March	175,670	24,764	42,846	7,879	-	-	249	2,392	
April	84,144	15,346	39,318	6,151	-	-	-	2,070	
May	96,844	21,433	40,491	5,686	-	-	-	2,211	
June	146,737	27,563	41,247	5,725	-	-	-	1,605	
July	147,717	21,792	34,494	4,865	-	-	-	1,556	
August	157,604	21,668	43,395	6,378	-	-	-	2,475	
September	136,670	19,350	36,147	4,548	-	-	-	1,840	
	1,847,922	286,393	502,159	79,188	-	0	1,395	25,363	
	66.72%	10.34%	18.13%	2.86%	0.00%	0.00%	0.05%	0.92%	
	62.09%	9.62%	16.87%	2.66%	0.00%	0.00%	0.05%	0.85%	

LOAD DATA USED IN THE ALLOCATION OF THE DEMAND RELATED AND ENERGY RELATED COSTS

MONTHLY CONTRIBUTIONS TO EKPC COINCIDENT PEAK DEMAND - KW									
Month	Outdoor Lighting	Decorative Street Lighting	Total for Rate Classes EK Sched E	LP-1 Large Power EK Sched C	LP-2 Large Power EK Sched C	LP-3 Large Power EK Sched B	0	Total	Allocation %
October	4,497	56	192,215	1,709	5,198	8723		207,845	
November	4,483	56	190,892	1,699	5,449	8471		206,511	
December	4,483	56	301,856	1,741	5,292	7884		316,773	
January	4,510	56	340,370	1,712	4,969	9176		356,227	
February	4,510	56	308,980	1,812	5,273	8414		324,479	
March	4,487	56	258,343	1,673	5,082	8732		273,830	
April	-	0	147,029	1,712	5,993	10169		164,903	
May	-	0	166,665	2,082	7,003	10267		186,017	
June	-	0	222,877	2,192	6,902	11001		242,972	
July	-	0	210,424	2,210	6,540	8659		227,833	
August	-	0	231,520	2,323	7,151	10492		251,486	
September	-	0	198,555	2,045	6,556	10287		217,443	
	26,970	336	2,769,726	22,910	71,408	112,275		2,976,319	
Allocation %	0.97%	0.01%	100.00%	0%					
	0.91%	0.01%	-	0.77%	2.40%	3.77%		100.00%	

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LOAD DATA USED IN THE ALLOCATION OF THE DEMAND RELATED AND ENERGY RELATED COSTS

Month	MONTHLY PEAK DEMANDS FOR EACH RATE CLASS									
	Rate 1 Residential	Rate 2 Small Commercial	Rate 4 Large Power	Rate 5 Optional Power Serv	Rate 6 Residential ETS	Rate 7 Sml Comm ETS	Rate 8 Street Lighting	Rate 17 All Electric Schools		
October	123,609	25,378	43,741	7,745	6,364	14	150	2,556		
November	145,891	29,687	41,215	7,456	7,910	14	249	2,481		
December	214,134	26,881	46,025	8,404	9,002	14	249	3,242		
January	241,188	39,329	49,861	9,490	9,331	21	249	3,613		
February	213,215	32,476	48,400	9,072	9,352	21	249	3,424		
March	175,775	25,797	48,981	8,780	9,261	21	249	2,991		
April	95,559	23,765	43,201	7,412	7,308	7	249	2,510		
May	117,687	31,361	47,077	8,439	4,053	-	163	2,678		
June	147,403	36,205	49,216	8,617	1,498	-	163	2,567		
July	182,203	43,184	45,898	7,888	924	-	348	1,993		
August	161,076	34,722	51,168	9,332	980	-	348	2,922		
September	149,065	30,941	48,448	8,529	2,492	-	249	2,089		
	1,966,805	379,726	563,231	101,164	-	-	-	33,066		
	64.60%	12.47%	18.50%	3.32%	0.00%	0.00%	0.00%	1.09%		
	59.53%	11.49%	17.05%	3.06%	0.00%	0.00%	0.00%	1.00%		

LOAD DATA USED IN THE ALLOCATION OF THE DEMAND RELATED AND ENERGY RELATED COSTS

MONTHLY PEAK DEMANDS FOR EACH RATE CLASS									
	Outdoor Lighting	Decorative Street Lighting	Total for Rate Classes EK Sched E	LP-1 Large Power EK Sched C	LP-2 Large Power EK Sched C	LP-3 Large Power EK Sched B	0	Total	
October	4,497	56	214,110	2,526	7,544	11,790	0	235,970	
November	4,483	56	239,442	2,166	6,432	11,687	0	259,727	
December	4,483	56	312,490	1,899	6,805	11,880	0	333,074	
January	4,510	56	357,648	1,948	6,827	12,007	0	378,430	
February	4,510	56	320,775	1,943	6,504	11,980	0	341,202	
March	4,487	56	276,398	2,028	6,844	11,799	0	297,069	
April	4,487	56	184,554	2,349	7,180	11,661	0	205,744	
May	4,452	56	215,966	2,372	7,690	12,043	0	238,071	
June	4,452	56	250,177	2,510	7,862	12,534	0	273,083	
July	4,495	57	286,990	2,556	7,841	12,464	0	309,851	
August	4,495	57	265,100	2,533	8,001	12,558	0	288,192	
September	4,475	57	246,345	2,360	7,825	12,173	0	268,703	
	-	675	3,044,667	27,190	87,355	144,576	0	3,303,788	
	0.00%	0.02%	100.00%						
	0.00%	0.02%	0.00%	0.82%	2.64%	4.38%	0	100.00%	100.00%

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LOAD DATA USED IN THE ALLOCATION OF THE DEMAND RELATED AND ENERGY RELATED COSTS  
Witness: Jim Adkins

SUM OF MONTHLY CUSTOMER DEMANDS FOR EACH CLASS - KW									
Month	Rate 1 Residential	Rate 2 Small Commercial	Rate 4 Large Power	Rate 5 Optional Power Serv	Rate 6 Residential ETS	Rate 7 Sml Comm ETS	Rate 8 Street Lighting	Rate 17 All Electric Schools	
October	501,207	69,897	56,341	11,529.00	6,384	14	150	2,973	
November	518,169	59,278	54,749	11,118.00	7,910	14	249	2,910	
December	592,610	56,086	58,911	11,871.00	9,002	14	249	3,763	
January	590,435	60,290	62,457	13,114.00	9,331	21	249	4,117	
February	569,684	57,128	60,944	12,432.00	9,352	21	249	3,865	
March	549,650	57,083	60,435	12,156.00	9,261	21	249	3,377	
April	513,116	64,134	56,878	11,420.00	7,308	7	249	2,962	
May	482,640	63,757	61,244	12,229.00	4,053	-	163	3,163	
June	492,675	71,482	62,973	12,664.00	1,498	-	163	3,150	
July	462,619	68,707	58,430	11,433.00	924	-	348	2,423	
August	477,590	69,393	64,262	12,634.00	980	-	348	3,360	
September	443,292	65,967	62,464	12,233.00	2,492	-	249	2,503	
	6,193,687	763,202	720,088	144,833	68,495	112	2,915	38,566	
Allocation %	77.55%	9.56%	9.02%	1.81%	0.86%	0.00%	0.04%	0.48%	
	6,193,687	763,202	720,088	144,833			2,915	38,566	
Transformers	75.74%	9.33%	8.81%	1.77%	0.00%	0.00%	0.04%	0.47%	



ALLOCATION OF CONSUMER RELATED COSTS

A. Lines (poles and conduit)		1	2	3	4	5	6
		Minimum Size Transform.	Cost of Minimum Transform.	Weighted Cost Min = 1	Number of Customers	Relative Weight	Allocation Percent
Rate 1	Residential	10 KVA	\$ 251.97	1.00	61,626	61,626	88.32%
Rate 2	Small Commercial	10 KVA	\$ 251.97	1.00	4,267	4,267	6.12%
Rate 4	Large Power	3-25 KVA	1,567.13	6.22	352	2,189	3.14%
Rate 5	Optional Power Services	3-25 KVA	1,567.13	6.22	167	1,039	1.49%
Rate 6	Residential ETS	1.5 KVA	-	-	-	-	0.00%
Rate 7	Small Commercial ETS	-	-	-	-	-	0.00%
Rate 8	Street Lighting	1.5 KVA	74.90	0.30	200	59	0.09%
Rate 17	All Electric Schools	3-100 KVA	4,288.48	17.02	13	221	0.32%
OL	Outdoor Lighting	-	-	-	-	-	0.00%
STL	Decorative Street Lighting	-	-	-	-	-	0.00%
LP-1	Large Power	500 KVA	4,356.95	17.29	1	17	0.02%
LP-2	Large Power	2-2500 KVA	50,248.31	199.42	1	199	0.29%
LP-3	Large Power	500 KVA	4,356.95	17.29	9	156	0.22%
					66,636.00	69,773.91	100.00%
B. Transformers							
					66,636	-	100.0%



ALLOCATION OF CONSUMER RELATED COSTS

C. Services		1	2	3	4	5	6	
		Minimum Size Service	Cost Per Unit	Average Length of Service	Cost of Service	Number of Customers	Relative Weight	Allocation Percent
Rate 1	Residential	2 Tpx	\$ 1.23	110	135.01	61,626	8,320.373	82.44%
Rate 2	Small Commercial	1/0 Tpx	1.58	125	197.96	4,267	844.706	8.37%
Rate 4	Large Power	1/0 Quad	5.32	300	1,597.23	352	562.225	5.57%
Rate 5	Optional Power Services	1/0 Quad	5.32	300	1,597.23	167	266.737	2.64%
Rate 6	Residential ETS	2 Tpx	1.23	15	18.41	1,930	35.533	0.35%
Rate 7	Small Commercial ETS	1/0 Tpx	1.58	15.00	23.76	8	190	0.00%
Rate 8	Street Lighting	6 Dpx	0.05	50.00	2.42	1,350	3,260	0.03%
Rate 17	All Electric Schools	1/0 Quad	5.32	300.00	1,597.23	13	20,764	0.21%
OL	Outdoor Lighting	6 Dpx	0.05	15.00	0.72	23,750	17,207	0.17%
STL	Decorative Street Lighting	6 Dpx	\$ 0.048	15.00	0.72	375	272	0.00%
LP-1	Large Power	4/0 Quad	7.29	300.00	2,186.01	1	2,186	0.02%
LP-2	Large Power	-	-	-	-	1	-	0.00%
LP-3	Large Power	4/0 Quad	\$ 7.287	300.00	2,186.01	9	19,674	0.19%
						93,849.00	10,093,127	100.00%
D. Meters		1	2	3	4	5	6	
		Minimum Size Meter	Cost of Minimum Meter	Weighted Cost Meter	Number of Customers	Relative Weight	Allocation Percent	
Rate 1	Residential	3 Wire	39.02	1.00	61,626	61,626.00	88.260%	
Rate 2	Small Commercial	3 Wire	39.02	1.00	4,267	4,267.00	6.111%	
Rate 4	Large Power	3 Ph 4 Wire	146.47	3.75	352	1,321.31	1.892%	
Rate 5	Optional Power Services	3 Ph 4 Wire	146.47	3.75	167	626.87	0.898%	
Rate 6	Residential ETS	3 Wire	39.02	1.00	1,925	1,925.00	2.757%	
Rate 7	Small Commercial ETS	3 Wire	39.02	1.00	8	8.00	0.011%	
Rate 8	Street Lighting	3 Ph 4 Wire	-	-	-	-	0.000%	
Rate 17	All Electric Schools	3 Ph 4 Wire	146.47	3.75	13	48.80	0.070%	
OL	Outdoor Lighting	-	-	-	-	-	0.000%	
STL	Decorative Street Lighting	-	-	-	-	-	0.000%	
LP-1	Large Power	-	-	-	1	-	0.000%	
LP-2	Large Power	-	-	-	1	-	0.000%	
LP-3	Large Power	-	-	-	9	-	0.000%	
					68,369.00	69,822.98	100.0%	

ALLOCATION OF CONSUMER RELATED COSTS

E. Consumer & Accounting Services						
Rate Class	Billing Factor	Multiplier	1 x 2 Records	Number of Customers	3 x 4 Total	Allocation Percent
Rate 1	Residential	1.00	4.00	61,626	246,504	88.32%
Rate 2	Small Commercial	1.00	4.00	4,267	17,068	6.12%
Rate 4	Large Power	2.00	12.00	352	4,224	1.51%
Rate 5	Optional Power Services	2.00	8.00	167	1,336	0.48%
Rate 6	Residential ETS	0.50	1.00	1,930	1,930	0.69%
Rate 7	Small Commercial ETS	0.50	1.00	8	8	0.00%
Rate 8	Street Lighting	0.10	0.30	1,350	405	0.15%
Rate 17	All Electric Schools	1.00	4.00	13	52	0.02%
OL	Outdoor Lighting	0.25	0.30	23,750	7,125	2.55%
STL	Decorative Street Lighting	0.25	0.30	375	113	0.04%
LP-1	Large Power	4.00	32.00	1	32	0.01%
LP-2	Large Power	4.00	32.00	1	32	0.01%
LP-3	Large Power	4.00	32.00	9	288	0.10%
				93,849	279,117	100%

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DETERMINATION OF INCREASE BY RATE CLASS

	Rate 1	Rate 2	Rate 4	Rate 5	Rate 6	Rate 7	Rate 8
Green Residential		Small Commercial	Large Power	Optional Power Serv	Residential ETS	Sml Comm ETS	Street Lighting
Power							
Total Revenue	88,451,772	9,260,156	17,283,966	2,001,350	723,955	2,358	227,588
Requirements	4,743	6,685	16,741,972	1,522,863	539,795	1,810	134,650
Actual Revenue from Rates	79,352,881	8,172,497	16,741,972	1,522,863	539,795	1,810	134,650
Under (Over)	9,098,892	1,087,659	541,994	478,487	184,160	548	92,938
Rate Revenue Percent	66.7%	6.9%	14.1%	1.3%	0.5%	0.0%	0.1%
Less Other Revenue	-	256,296	525,042	47,758	16,928	57	4,223
COSS Based Revenue Increase Percent	8.33%	10.17%	0.10%	28.28%	30.98%	27.16%	65.89%
	6,610,318	831,363	16,952	430,728	167,232	492	88,715
	6,613,318	831,363	753,389	248,000	167,232	492	20,198
	-						
	8.33%	10.17%	4.50%	16.29%	30.98%	27.16%	15.00%
	0%						
Increase Amount from Billing Analysis	6,617,505	831,068	752,922	248,043	167,225	492	20,198

DETERMINATION OF INCREASE BY RATE CLASS

	Rate 17 All Electric Schools	0 Outdoor Lighting	Decorative Street Lighting	Total for Rate Classes EK Sched E	LP-1 Large Power EK Sched C	LP-2 Large Power EK Sched C	LP-3 Large Power EK Sched B	Total
Total Revenue								
Requirements	855,974	3,220,829	47,779	122,624,292	1,002,167	3,018,652	4,841,188	131,486,299
Actual Revenue from Rates	750,035	3,071,971	65,912	110,361,071	1,016,729	2,979,569	4,569,222	118,926,591
Under (Over)	105,939	148,858	(18,133)	12,263,221	(14,562)	39,083	271,967	12,559,709
Rate Revenue Percent	0.6%	2.6%	0.1%		0.9%	2.5%	3.8%	100.0%
Less Other Revenue	23,522	96,340	2,067	3,460,807	31,885	93,442	143,295	3,729,639
COSS Based Revenue Increase Percent	82,418 10.99%	52,518 1.71%	(20,200) -30.65%	8,802,414 7.98%	(46,448) -4.57%	(54,359) -1.82%	128,672 2.82%	8,830,070 7.42%
	82,418	0	0	8,716,408	0	0	128,672	8,845,080
	10.99%	0.00%	0.00%	7.90%	0.00%	0.00%	2.82%	7.44%
Increase Amount from Billing Analysis	82,447	-	-	8,719,899	-	-	128,016	127,756,660 8,847,915

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COSTS TO SERVE EACH RATE CLASS AND COST BASED RATES

	Green Power	Residential	Small Commercial	Large Power	Optional Power Serv	Residential ETS	Sml Comm ETS	Street Lighting
Revenue from Rates	6,685	79,352,881	8,172,497	16,741,972	1,522,863	539,795	1,810	134,650
Less Purchased Power Costs								
Demand		11,274,276	1,747,300	3,063,700	483,130	-	-	8,511
Energy	4,743	43,750,909	3,746,585	10,535,664	751,668	547,576	1,614	58,904
Total	4,743	55,025,186	5,493,885	13,599,364	1,234,799	547,576	1,614	67,415
Gross Margin	1,942	24,327,695	2,678,612	3,142,608	288,065	(7,781)	196	75,746
Less Distribution Costs								
Demand Related								
Stations		94,328	18,212	27,013	4,852	-	-	-
Lines		9,220,736	1,780,224	2,640,528	474,275	-	-	-
Transformers		2,057,573	253,539	239,217	48,114	-	-	968
		11,372,637	2,051,975	2,906,758	527,241	-	-	968
Consumer Related								
Lines		7,670,429	531,102	43,813	20,786	-	-	24,893
Transformers		1,026,875	71,101	36,479	17,307	-	-	991
Services		2,290,389	232,526	154,766	73,426	9,781	52	897
Meters		3,857,930	267,124	82,717	39,244	120,509	501	-
Consumer Svc & Accounting		5,886,482	407,582	100,869	31,903	46,088	191	9,671
Outdoor Lighting								121,754
Total Consumer Related		20,732,106	1,509,436	418,644	182,666	176,379	744	158,207
Total Distribution Costs	-	32,104,743	3,561,410	3,325,401	709,907	176,379	744	159,175
Income from Rate Revenue	1,942	(7,777,048)	(882,799)	(182,793)	(421,842)	(184,160)	(548)	(83,429)
Other Revenue	-	2,488,574	256,296	525,042	47,758	16,928	57	4,223
Net Margins	1,942	(5,288,474)	(626,502)	342,249	(374,084)	(167,232)	(492)	(79,206)

COSTS TO SERVE EACH RATE CLASS AND COST BASED RATES

	Rate 1 Residential	Rate 2 Small Commercial	Rate 4 Large Power	Rate 5 Optional Power Serv	Rate 6 Residential ETS	Rate 7 Sm Comm ETS	Rate 8 Street Lighting
Revenue from Rates	79,352,881	8,172,497	16,741,972	1,522,863	539,795	1,810	134,650
Increase in Revenue	6,613,318	831,363	753,389	248,000	167,232	492	20,198
Total	85,966,199	9,003,860	17,495,361	1,770,863	707,027	2,301	154,848
	8.33%	10.17%	4.50%	16.29%	30.98%	27.16%	15.00%
<b>BILLING UNITS</b>							
Consumer Charge Units	739,180	50962	4175	2035			
Energy kWh	849,780,821	75,104,607	204,613,675	14,598,187	10,530,533	31,036	
Demand kW			653,357				
<b>COST BASED RATES</b>							
Customer Charge	\$ 28.05	\$ 29.61	\$ 100.27	\$ 89.76	\$ 0.06714	\$ 0.07415	
Energy Charge	\$ 0.07677	\$ 0.09979	\$ 0.05149	\$ 0.10879	\$ 0.06714	\$ 0.07415	
Demand Charge			\$ 9.14				
Customer Charge	\$ 15.00	\$ 25.00	\$ 50.00	\$ 50.00	\$ 0.06714	\$ 0.07415	
Energy Charge	\$ 0.08812	\$ 0.10291	\$ 0.06213	\$ 0.11434	\$ 0.06714	\$ 0.07415	
Demand Charge			\$ 7.00				
Customer Charge	\$ 12.00						
Energy Charge	\$ 0.09072						

COSTS TO SERVE EACH RATE CLASS AND COST BASED RATES

	Rate 17 All Electric Schools	0 Outdoor Lighting	Decorative Street Lighting	Total for Rate Classes EK Sched E	LP-1 Large Power EK Sched C	LP-2 Large Power EK Sched C	LP-3 Large Power EK Sched B	Total
Revenue from Rates	750,035	3,071,971	65,912	110,361,071	1,016,729	2,979,569	4,569,222	118,926,591
Less Purchased Power Costs								
Demand	154,741	164,545	2,050	16,898,254	198,222	604,876	1,017,425	18,718,776
Energy	498,356	1,051,170	10,995	60,958,185	647,970	1,915,740	2,994,625	66,516,520
Total	653,097	1,215,716	13,045	77,851,696	846,192	2,520,616	4,012,049	85,230,553
Gross Margin	251,678	2,020,801	54,917	32,832,537	368,759	1,063,828	1,574,597	35,839,721
Less Distribution Costs								
Demand Related								
Stations	1,586	-	32	146,022	1,304	4,190	6,934	158,449
Lines	155,019	-	3,165	14,273,948	127,472	409,536	677,798	15,488,754
Transformers	12,812	17,881	224	2,630,329	9,033	29,020	48,089	2,716,470
	169,417	17,881	3,421	17,050,299	137,808	442,745	732,821	18,363,673
Consumer Related								
Lines	1,618	-	-	8,292,642	124	124	1,120	8,294,011
Transformers	3,687	-	-	1,156,440	288	3,323	2,593	1,162,644
Services	5,716	4,737	75	2,772,367	602	-	5,416	2,778,384
Meters	3,055	-	-	4,371,080	-	-	-	4,371,080
Consumer Svc & Accouting Outdoor Lighting	1,242	170,144	2,686	6,656,858	764	764	6,877	6,665,264
Total Consumer Related	15,317	1,793,059	28,311	1,943,125	1,779	4,212	16,007	25,214,508
Total Distribution Costs	184,734	1,985,821	34,494	42,242,810	139,587	446,957	748,827	43,578,181
Income from Rate Revenue	66,944	34,979	20,423	(9,410,273)	229,172	616,871	825,770	(7,738,460)
Other Revenue	23,522	96,340	2,067	3,460,807	31,885	93,442	143,295	3,729,639
Net Margins	90,466	131,319	22,490	(5,949,466)	261,058	710,313	969,065	(4,008,821)

COSTS TO SERVE EACH RATE CLASS AND COST BASED RATES

	Rate 17 All Electric Schools	0 Outdoor Lighting	Decorative Street Lighting	Total for Rate Classes EK Sched E	LP-1 Large Power EK Sched C	LP-2 Large Power EK Sched C	LP-3 Large Power EK Sched B	Total
Revenue from Rates	750,035	3,071,971	65,912	110,361,071	1,016,729	2,979,569	4,569,222	118,926,591
Increase in Revenue	82,418	-	-	8,716,408	-	-	128,672	8,830,070
Total	832,452	3,071,971	65,912	119,077,479	1,016,729	2,979,569	4,697,894	127,756,660
	10.99%	0.00%	0.00%	7.90%	0.00%	0.00%	2.82%	7.42%
<b>BILLING UNITS</b>								
Consumer Charge Units	147				12	13		36
Energy kWh	9,678,600				15,182,167	37,711,970	69,748,929	72
Demand kW					29,090	6,712,502	141,140	2371
<b>COST BASED RATES</b>								
Customer Charge	\$ 104.20				\$ 148.21	\$ 323.96	\$ 444.63	
Energy Charge	\$ 0.08443				\$ 0.042680	0.043124	0.042934	
Demand Charge					\$ 11.55	\$ 11.11	\$ 12.40	
Customer Charge	\$ 104.20							
Energy Charge	\$ 0.08443							
Demand Charge								
Customer Charge								
Energy Charge								





SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST  
Witness: Jim Adkins

Question:

South Kentucky has a tariff rider for Renewable Resource Energy-Schedule 16. State the number of customers who have chosen this rider, the amount of revenue received during the test year and the account in which this revenue is recorded.

Response:

South Kentucky has 193 Renewable Resource Energy Customers, with a total revenue of \$6,685 during the test year. This revenue is recorded in accounts 440.1-Residential Sales Rural and 442.1-Commercial and Industrial Sales Small.



SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST

Witness: Jim Adkins

Question:

South Kentucky has a Schedule TVB, Unmetered Commercial Service, in its tariff. State the number of customers receiving service under this tariff, the amount of revenue received during the test year, and the account in which this revenue is recorded.

Response:

South Kentucky had no consumers on this rate schedule during the test period. This revenue is recorded in account 442.1.



South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

10. In Case No. 2007-00374,<sup>1</sup> the Commission approved South Kentucky's financing of the acquisition of the fixed assets of the Monticello Electric Plant Board ("MEPB"). In that case, South Kentucky was required to file a tariff for service to MEPB's existing customers at TVA-approved rates. Those tariffs had an expiration date of December 31, 2008.

a. State whether the former MEPB customers have been assimilated into South Kentucky's rate classes. If yes, state whether South Kentucky's tariff pages reflecting the TVA-approved rates for the MEPB customers can be deleted. If no, explain.

b. State whether the former MEPB revenues and customers are reflected in Exhibits G and J of the Application. If no, explain.

Response to Question 10.

- a. The former MEPB customers have been assimilated into South Kentucky's rate classes. These tariff pages can be deleted.
- b. The former MEPB customers are reflected in Exhibit G and J.

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<sup>1</sup> Case No. 2007-00374, Application of South Kentucky Rural Electric Cooperative Corporation for Approval to Purchase the Fixed Assets of the Monticello Electric Plant Board, Monticello, Kentucky (Ky. PSC Dec. 18, 2007).



South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

11. Refer to the Application, Exhibit K.
  - a. Refer to page 1, the column entitled "Actual Test Year" and the row entitled "Total". Have the non-cash patronage dividends of \$4,491,817 been included twice in the total number of \$18,805,403? If so, provide a corrected schedule.
  - b. Refer to page 2. The amount for Materials has increased 74 percent from September 2009 to September 2010. Provide an explanation for this level of increase.
  - c. Refer to page 3, the column entitled "Test Year 2010" and the row entitled "Total" in the section "Return excluding G&T patronage dividends". Explain the basis for the amount listed as \$8,968,569.
  - d. Refer to page 7. Explain the basis for the numbers, other than long-term debt, listed in the column entitled "Proposed."



Response to Question 11.

- a. The non-cash patronage dividends have been included twice. This has been corrected is as follows:

South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Computation of Rate of Return

September 30, 2010

	<u>Actual Test Year</u>	<u>Adjusted Test Year</u>
Net margins	\$7,799,911	\$9,020,584
Non-cash patronage dividends	(4,918,417)	0
Interest on long-term debt	<u>6,087,075</u>	<u>6,294,713</u>
Total	<u><u>8,968,569</u></u>	<u><u>15,315,297</u></u>
<b>Net rate base</b>	<u><u>165,274,919</u></u>	<u><u>161,682,075</u></u>
Rate of return	<u>5.43%</u>	<u>9.47%</u>
<b>Equity Capitalization</b>	<u><u>182,070,277</u></u>	<u><u>169,586,217</u></u>
Rate of return	<u>4.93%</u>	<u>9.03%</u>

- b. The majority of the increase is directly related to AMI equipment that will be installed at the substation. The actual meters are capitalized through special equipment. RUS requires installations at the substation to be through the work order process, which dictates that material be recorded through the Materials account.
- c. This calculation is to show what the rate of return is when G&T capital credits are excluded.



South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

12. Refer to the Application, Note 15, page 13, Exhibit N and Exhibit 5.
  - a. In Note 15, South Kentucky's auditor discusses a Department of Energy grant and matching loan. Identify any portion of the matching loan included on Exhibit 5.
  - b. Provide an update for the expenditures and benefits of the project.

Response to Question 12.

- a. As of the test year, there were no loan advances against the DOE program.
- b. As of July 2011, South Kentucky has installed approximately 42,700 meters with total expenditures of \$11.3 million . The project is expected to be completed in September 2013. When the project is completed, South Kentucky will be able to collect KWH usage and demand data on interval basis in addition to voltage monitoring. This data can then be utilized for many cost saving purposes. It will provide an accurate system usage model to be used in planning to help identify necessary upgrades, potential voltage problems and deferring the need for new line upgrades and substations. The system will also be able to provide remote connect and disconnect to accounts. Consumers will also be able to view their own usage to better manage and control their electric consumption.



SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST

Witness: Jim Adkins

Refer to Exhibit R, pages 7 and 8 of 40.

a. Refer to Page 7.

(1) Question:

The basis for allocating Accounts 503, Overhead Line Exp., and 584, Underground Line Exp., is shown as "DA" for directly assigned. Confirm that, instead of being directly assigned, these accounts were allocated based on footnote 1 from page 9 of 40.

(1) Response.

It is confirmed that footnote 1 is the basis for the allocation

(2) Question:

The basis for allocating Account 587, Consumer Installations is shown as footnote 2. Confirm that instead this account was directly assigned.

(2) Response:

This account was directly assigned.

b. Refer to page 8.

(1) Question:

Account 936, Maintenance of General Plant, is shown as having been allocated using the General Plant percentages from the Rate Base Schedule. However, the allocation appears to be based on Rate Base Percentages from the Rate Base Schedule. Confirm that the Rate Base percentages were incorrectly used. If a correction is needed, provide copies of all exhibits that would be revised.

(1) Response:

The correction is contained in the response to Item No. 7

Witness: Jim Adkins

b. (2) Question:

Depreciation-Distribution Plant and Depreciation General Plant are shown as having been allocated using the Net Plant Percentages from the Rate Base Schedule. However, the allocation for Depreciation-Distribution Plant appears to be based on the Distribution Plant percentages and Depreciation-General Plant appears to be based on the General Plant percentages from the Rate Base Schedule. Confirm that South Kentucky intended to use these allocation percentages. If not, and a correction is needed, provide copies of all exhibits that would be revised as a result of the correction.

(2) Response:

South Kentucky confirms that it intended to use the allocation percentages from the Distribution Plant percentages and General Plant percentages.

(3) Question:

The basis for allocating Total Miscellaneous Expense of \$117,015 is shown as Total Plant. However, it appears that Total Miscellaneous Expense is allocated based on the Rate Base percentages. Confirm that South Kentucky intended to use this allocation percentage. If not, and a correction is needed, provide copies of all exhibits that would be revised as a result of the correction.

(3) South Kentucky confirms that it intended to use these percentages.



SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST

Witness: Jim Adkins

Question:

Refer Exhibit R, page 9 of 40, Footnote 6 at the bottom of the page. Explain  
Where in the COSS the allocations calculated in footnote 6 are used.

Response:

It has not been used in this COSS.





SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST

Witness: Jim Adkins

Question:

Refer to Exhibit R, page 10 of 40. Explain how Account 597, Maintenance of Security Lights, in the amount of \$358,094, appears in the "Transformers" column instead of the "Security Lighting" column. If a correction is needed, provide copies of all exhibits that would be revised as a result of the correction.

Response:

This entry was made in error to the "Transformer" column. A revision has been made and its impact is provided in the response to 7 above.



SOUTH KENTUCKY RECC  
CASE NO. 2011-00096

RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST

Refer to Exhibit R, page 23 of 40.

a. Question:

This appears to be the first page of a two page schedule: however, a second page is not included. Provide the second page of this schedule or, if this is a one page schedule, explain why all of the rate schedules were not included.

a. Response:

The second page of this two part schedule was not included by mistake. Attached as page two this response is copy of the revised page 23 and the missing page which is labeled as page 23.1 of 40.

b. Question:

Explain why Rate 4 is identified at the top half of this page as "Large Power" but is identified at the bottom half of the page as "Small Commercial"

b. Response:

The wrong label was placed at the bottom of the page and the appropriate label has been included as a part of the response to Item 16a above.

c. Question:

Provide the location in the COSS of the percentage allocation calculations for Purchased Power Demand and Purchased Power Energy.

c. Response:

The calculations for the allocation factors for Purchased Power Demand are located on pages 25 and 29 of Exhibit in the Application. The calculations for the

Witness: Jim Adkins

Purchased Power Energy allocation factors are located on pages 24 and 28 of Exhibit R in the Application.

d. Question:

Refer to the bottom section of the page. Under the column entitled "Amount" for the rows entitled "Energy Related" and "Revenue Requirements" there are errors for amounts of each.

d. Response:

Corrections have been made in the response to item 16a above.



SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST

Witness: Jim Adkins

Refer to Exhibit R. pages 32-34 of 60.

(a) Question:

Refer to the Lines table at the top of page 32. Explain why for Rate 6, Residential ETS and Rate 7, Small Commercial ETS, no customers are shown in the table where when customers are shown in these rate classes in Exhibit J.

a. Response:

No customers are included in this table for these two rate schedules because ETS units not allocated any customer related line expenses. They are not allocated any of these customer expenses as the ETS unit is considered an incremental item for a customer whose additional electric service is a part of another, standard rate schedule and the customer related costs associated with lines is covered through an allocation for that rate class.

b. Question:

Refer to the Transformers table at the bottom of page 32. The amounts in the "Relative Weight" column do not equal column 3 multiplied by column 4 for Rate 4, Large Power, and Rate 5, Optional Power Services. Explain how the amounts in this "Relative Weights" column were calculated.

b. Response:

The product of column 3 multiplied by column 4 has been multiplied by a factor of three as the normal minimum size transformer bank to serve these rate classes is comprised of three 25kVa transformers. This calculation provides the amount that are in column 5 "Relative Weights". However, in reviewing this data the multiplication of a

Witness: Jim Adkins

factor of 3 was already accommodated in column 3. A revision has been made and is contained in the response to Item 7.

c. Question:

Refer to the Meters table at the bottom of page 33. Explain why the allocation percentages for are zero for rates classes 17, LP-1, LP-2, and LP-3.

c. Response:

An allocation should have been made to rate 17, All Electric Schools, and a revision is provided in the response to Item 7. No allocation is provided to rate classes LP-1, LP-2 and LP-3 as these meters have been paid for by East Kentucky Power Cooperative (“EKPC”) and are considered as load research meters for their load research program.

d. Refer to the Consumer and Accounting Services table on page 34.

(1) Question:

Explain how the 7,125 in “Allocation Percent” column for the outdoor lighting was calculated.

(1) Response:

The “Consumer Records” column is multiplied the “Total” column. The “Total” column represents the number of customers or in this case the number of lights. The “Consumer Records” column is the product of the “Multiplier” column multiplied by the “Factor” column. The “Factor” column is based on the number of items on the bill or its complexity and the “Multiplier” column is a measure of the complexity of keeping records for these types of accounts.

(2) Question:

Explain how the 113 in the “Allocation Percent” column for the Decorative Street Lighting was calculated.





SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST

Witness: Jim Adkins

Question:

Refer to Exhibit R, page 35 of 40. Other Revenue was allocated to the rate classes based on Actual Revenue from Rates for each class to Total Actual Revenue from Rates. Please state whether Other Revenue could have been directly assigned. If yes, explain why it was not directly assigned. If no, explain why it cannot be directly assigned.

Response:

Other Revenue includes the following sources of revenue identified by account number and amount.

<b>OTHER REVENUE</b>		
<b>Account</b>	<b>Description</b>	<b>Amount</b>
450	Forfeited Discounts	1,111,222
451	Misc Service Revenue	211,101
452	Return Check Charge	-
454	Rent from Electric Prop.	1,879,391
456	Other Electric Revenue	73,019
415	Net Revenue from Merchandising	133,984
416	Cost of Merchandising	(174,082)
417	Revenue from Non-utility Operations	1,649
418	Revenue from Non-operating rentals	10,181
419	Interest Income	100,164
421	Misc. Non-operating Income	121,446
424	Other Capital Credits	261,565
	<b>Total Other Income</b>	<b>3,729,639</b>

Witness: Jim Adkins

Most of the sources for the Other Revenue is very general in nature and does not lend itself to a direct assignment to a rate class. A prime example of this situation is Rent from Electric Property. In those instances where a direct assignment may seem feasible such as forfeited discounts, the accounting records are not maintained in a manner where the rate class is easily identifiable.



SOUTH KENTUCKY RECC  
CASE NO. 2011-00096  
RESPONSE TO COMMISSION STAFF'S SECOND INFORMATION REQUEST

Witness: Jim Adkins

Question:

Refer to Exhibit R, page 38 of 40. Provide the calculations for energy charge of \$0.06705 for the Residential ETS class and the \$0.07405 for the Small Commercial ETS class.

Response:

Provided below is the basis for the calculation of the ETS rates.

CALCULATION OF ETS RATES					
Rate Class	Revenue from Rates	Increase Amount	Total Revenue Requirements	Billing Units Energy kWh	Proposed Rate per kWh
Residential ETS	\$ 582,128	\$ 123,947	\$ 706,075	10,530,533	\$ 0.06705
Small Commercial ETS	\$ 1,934	\$ 364	\$ 2,298	31,036	\$ 0.07405



South Kentucky Rural Electric Cooperative  
Case No. 2011-00096  
Second Information Request  
Witness: Jim Adkins

20. Refer to the Application, Exhibit S.

a. Refer to page 1 which shows the amount of the proposed increase based upon attaining a TIER of 2.43X. Describe how South Kentucky determined that 2.43 was the appropriate TIER on which to base the requested increase.

b. Refer to page 2, the column entitled "Adjustments to Test Year" and the row entitled "In service." Provide a breakdown of the assets contained in the \$14,218,717 amount.

c. Refer to page 3.

(1) An adjustment of \$5,237,525 is shown to Base Rates. However, this amount does not reconcile with Adjustment 15, Normalization of Revenue. Explain how this amount was calculated.

(2) An adjustment of \$5,144,971 is shown to Cost of Power. This amount does not appear in Exhibit 14, Normalization of Purchased Power. Explain how this amount was calculated.

Response to Question 20.

- a. South Kentucky has a goal of attaining an equity level of 40%. To achieve this goal, earnings must be at a level which increases equity. This level of earnings calculates at a TIER of 2.43x for the test year.
- b. The adjustment to plant In service is comprised of the following:

Balance at beginning of test year	4,557,790
Plant additions during test year	654,537
Retirements during the test year	<u>(215,152)</u>
Balance, September 30, 2010	5,427,479
Retire mechanical meters	(4,547,809)
Adjustment to DOE project	<u>18,756,545</u>

*Adjusted balance per test year*                      19,636,215

20.

- c. (1) There were some revisions made to the normalization of revenues after the adjustment was entered on page 3. The amount listed in Adjustment 15 is correct.
- d. (2) There were some revisions made to the normalization of Purchase Power after the adjustment was entered on page 3. The amount listed in Adjustment 14 is correct.





South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

21. Refer to Item 9 in the Response to Commission Staff's First Request for Information ("Staff's First Request"), which provides a comparison of income statement account levels for the test period and the twelve months preceding the test period.

a. Refer to page 2 of the Response. Provide a detailed breakdown of Accounts 450, Forfeit Discount; 451, Miscellaneous Service Revenue; 454, Rent from Electric Property; and 456, Other Electric Revenue.

b. For Accounts 450, 451, 454, and 456, provide the September 30 balances of these accounts for the most recent five-year period.

c. Account 586.00, Meter Expense, increased from \$981,246 in the twelve months preceding the test year to \$1,121,474 in the test year. Provide a detailed explanation for why this expense increased by this magnitude.

d. Account 587.10, Consumer Inspections (Credits), increased from \$100,062 in the twelve months preceding the test year to (\$5,364) in the test year. Provide a detailed explanation for a decrease of this magnitude.

e. Page 4 shows that Account 593.50, Maintenance of Overhead Lines—Right-of-Way, increased from \$2,507,795 in the twelve months preceding the test year to \$3,447,528 in the test year. Provide a detailed explanation for why this expense increased by this magnitude. Account 597, Meter Maintenance Expense, decreased from \$26,774 in the twelve months preceding the test year to \$18,815 in the test year. Provide a detailed explanation for the decrease in this expense.

f. Account 598, Maintenance of Miscellaneous Distribution Plant, increased from \$329,364 in the twelve months preceding the test year to \$369,491 in the test year. Provide a detailed explanation for why this expense increased by this magnitude.

g. Page 6 shows that Account 923, Outside Services Expense, decreased from \$239,976 in the twelve months preceding the test year to \$134,980 in

the test year. Provide a detailed explanation for why this expense decreased by this magnitude.

h. Account 923.10, Outside Services Expense—Economic Development, increased from \$254,247 in the twelve months preceding the test year to \$283,873 in the test year.

(1) Describe the nature and purpose of this account.

(2) Provide a detailed explanation for why this expense increased by this magnitude.

(3) Explain why Account 923.10 is not listed in Exhibit M, Chart of Accounts, or Exhibit Y, Trail Balance.

(4) Explain why South Kentucky considers this to be an allowable expense for ratemaking purposes.

i. Account 928, Regulatory Commission Expense, decreased from \$27,502 in the twelve months preceding the test year to \$7,797 in the test year. Provide a detailed explanation for why this expense decreased by this magnitude.

j. Page 7 shows that Account 930.21, Directors Expenses, increased from \$233,491 in the twelve months preceding the test year to \$565,435 in the test year. Provide a detailed explanation for why this expense increased by this magnitude.

k. Account 930.23, Annual Meeting Expense, increased from \$142,709 in the twelve months preceding the test year to \$183,130 in the test year. Provide a detailed explanation for why this expense increased by this magnitude.

l. Account 930.31, Miscellaneous General Expense—People Fund, increased from (\$98,405) in the twelve months preceding the test year to \$144,676 in the test year.

(1) Describe the nature and purpose of this account.

(2) Provide a detailed explanation for why this expense increased by this magnitude.

(3) Explain why South Kentucky considers this to be an allowable expense for ratemaking purposes.

m. Page 8 shows Account 408.70, Regulatory. Explain what this account is and why it is not listed in Exhibit M, Chart of Accounts, or Exhibit Y, Trial Balance.

n. Account 431.00, Interest Expense on Consumer Deposits, decreased from \$170,294 in the twelve months preceding the test year to \$59,074 in the test year. Provide a detailed explanation for why this expense decreased by this magnitude.

o. Account 431.10, Short Term CFC Loan Interest Expense, decreased from \$81,356 in the twelve months preceding the test year to \$0 in the test year. Provide a detailed explanation for why this expense decreased by this magnitude.

p. Page 9 shows Account 419.0, Interest Income. Provide the complete account number.

q. Account 418.0, Equity Investments, decreased from \$3,976 in the twelve months preceding the test year to (\$100) in the test year. Provide an explanation for this decrease and the complete account number.

r. Account 415.01, Revenue from ETS Heaters, declined from \$91,621 in the twelve months preceding the test year to \$42,391 in the test year. Provide an explanation for why this revenue declined by this magnitude.

s. Page 10 shows Account 416.02, Cost of ETS Heater, decreased from \$124,465 in the twelve months preceding the test year to \$79,914 in the test year. Provide a detailed explanation for why this account decreased by this magnitude.

t. The account balances for Account 415.01, Revenue from ETS Heaters, and Account 415.04, Revenue from Water Heaters, are listed in Schedule X as debit accounts. Account 416.02, Cost of ETS Heaters, and Account 416.04, Cost of Water Heaters, are listed in Exhibit X as credit accounts. However, in Exhibit Y, Trial Balance, the test year end balances for the revenue accounts are treated as credits and the expense accounts are treated as debits. Provide a detailed explanation of South Kentucky's accounting treatment of these items and if corrections are needed, provide copies of all exhibits that would be revised as a result.

u. Page 11 shows Account 424.0, Total Other Patronage, increased from \$115,202 for the twelve months preceding the test year to \$261,565 for the test year. Provide a detailed explanation for why this account increased by this magnitude.

Response to Question 21

a.		12 months ending 9/30/10	12 months ending 9/30/09		
A/C	450.10	Forfeited Discounts	1,111,214	1,060,558	
	451.00	Miscellaneous Service	211,101	233,420	
	454.00	Rent from Electric Property	1,879,691	1,787,443	
	456.00	Other Electric Revenue	16,385	61,001	
b. Calendar Year		450.10	451.00	454.00	456.00
	2009	1,035,308	243,508	1,816,691	60,491
	2008	981,625	181,086	1,741,489	86,303
	2007	950,612	109,275	1,550,283	16,294
	2006	821,030	116,037	1,425,764	14,629
	2005	681,960	147,126	1,069,386	12,832

c. Increase due to the AMI project.

d. Increase in the rates charged for electrical inspections.

e. Maintenance of Overhead Lines- Right-of-Way increased due to the concerns of the recent ice storms that hit the surrounding utilities and the Kentucky Public Service Commission's lengthy inquiries into negative management practices, South Kentucky decided to take a more aggressive approach to its right-of-way program.

Meter Maintenance Expense decreased as a result of fewer meters being required to be tested during the period.

f. Maintenance of Miscellaneous Distribution Plant increased due to the discontinuation of Mercury Vapor lighting and equipment. The Mercury Vapor lighting was replaced by Metal Halide lighting and equipment which is more expensive.

g. Outside Services Expense has decreased due to the reduction of outside services related to the Monticello Plant Board acquisition as well as a reimbursement of attorney fees associated to prior period expenses.

h. 1. This account is used to track the Economic Development activities account in which South Kentucky is involved with.

2. Due to the growth of the program additional revenue was needed to meet the need.
  3. The Account number listed in Item 9 of the First Data Request to South Kentucky should have listed the account number as 923.01 Instead of 923.10. Account 923.01 is listed in both Exhibits M and Y of the application.
  4. Garland and Associates, Inc. ("Garland") provides knowledge and expertise in the areas of economic development in all areas served by South Kentucky. Garland visits local agencies and officials; particularly those affiliated with community and economic development. Garland makes applications for Community Economic Development and Public Safety purposes; works to generate USDA Loan Funds and Grants; creates industrial master plans for those without such plans; conducts . and assists in community meetings with emphasis on Economic Development; assist in recruiting new industries; works with new and existing businesses and industries in funding sources for job creation and retention in South Kentucky's service area. Since these expenditures create and retain jobs, industry, and development, the costs associated with economic development, they should be included for rate making purposes.
- i. The Regulatory Commission Expense had been fully amortized during the period.
  - j. Refer to Exhibit 12 of the application.
  - k. Refer to Exhibit 11 Page 11 of 13 of the application.
  - l.
    1. In Exhibit 9 Page 7 of 11, the account 930.31 Other Misc. is made up of account 930.31 – People Fund and account 930.37 is an Economic Development project expense.
    2. The People Fund which is a fund that customers can elect to have their electric bills rounded up with the proceeds going to charity type of organizations. The other account which makes up the largest portion of the 243,081 variance is due to a grant being received in the prior period for \$195,000.
    3. See Exhibit 11 Page 13 of 13.
  - m. The account number and description is incorrect on Exhibit 9 Page 8 of 11. Instead of having account 408.70 Regulatory the

account should have been 408.11 PSC Assessment. The balances are for 408.11.

- n. Account 431.00 Interest Expenses on Consumer Deposits had an interest expense on LTD charged to this account in the prior period.
- o. No interest paid during the period on Short Term Loans
- p. The account # is 419.00
- q. The account number for the balances goes with account number 418.12 Equity in Earnings – South Kentucky Services. This reduction is a result in the equity from South Kentucky Services.
- r. Account 415.01 Revenue from ETS heaters has declined due to lower number of units sold.
- s. See Response to Item R above.
- t. The account balance for Account 425.01, Revenue from ETS heaters, and Account 415.04, Revenue from Water Heaters are listed in Schedule X as credit accounts. Account 416.02, Cost of ETS Heaters, and Account 416.04, Cost of Water Heaters, are Listed in Exhibit X as debit accounts.
- u. Account 424.00 increased because South Kentucky received CFC Patronage Capital Allocation in October 2009 and in September 2010, resulting in both entries being in the test year. During the test year we received a new Patronage Capital from Duo Telephone.





South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Allen Anderson

22. Refer to Item 10 of the Response to Staff's First Request where South Kentucky states that it does not have property held for future use. Describe the current use of the property listed in the Response to Item 11 of the Staff's First Request, if any of the property has any anticipated future use, and if so, what that use might entail.

Response to Question 22.

The 76 acres at the industrial site are rented to a local farmer. The farmer maintains the land and barn located on the property. South Kentucky has used this site in the past for its annual meeting. South Kentucky does not have any future plans for the property at this time.

The house located at 933 N. Main Street is located next to South Kentucky's headquarters building. This is presently being used by South Kentucky's contracted meter readers and for additional storage. There are no future plans for this property.



South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

23. Refer to the Application, Exhibit 1, page 1.
- a. In the first paragraph, it states, "Overtime pay is calculated at 1 and ½ times regular pay for 8 hours worked per day." Confirm this statement is incorrect and provide the correct language.
- b. In the second paragraph on the page, it states, "A cost of living increase of 0.50% was granted."
- (1) When was the decision made to grant the cost of living increase?
- (2) Provide the authority for the cost of living increase.
- (3) What was the effective date of the cost of living increase?
- (4) Was the cost of living increase given to all employees?
- (5) Explain when the cost of living increase will be given to affected employees.
- (6) Explain how the cost of living increase was factored into the wages reflected in South Kentucky's request for a rate increase.
- (7) Explain the difference in South Kentucky's definition of a cost of living increase and a normal salary increase.

Response to Question 23.

- a. This statement is incorrect. It should read "Overtime pay is calculated at 1 and ½ times regular pay for hours worked in excess of 8 hours per day."
- b. Cost of living increase
- (1) A cost of living increase was incorrectly stated in the narrative included in Exhibit 1, page 1. It should have stated that employees received a "Safety Nickel" increase for each quarter when there were no OSHA Reportable offenses for the prior 3 month period. Employees do not receive a cost of living increase.
- Each employee received a nickel (\$0.05) effective April 24, 2010, January 30, 2010 and October 24, 2009. The Safety Nickel increase was discontinued after the increase granted April 24, 2010.
- (2) – (7) Not applicable since South Kentucky does not, and has not, granted cost of living increases. When increases are approved, they are merit based.



South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

24. Refer to the Application, Exhibit 1.

a. Page 2 of the exhibit shows the Labor Distribution of test year payroll. Describe the methods used by South Kentucky to distribute test-year payroll to the accounts listed on page 2. These methods may include, but not be limited to, direct time reporting, allocations based on time studies, or allocations based on other factors. Also, discuss the internal controls used by South Kentucky to ensure that the distribution of payroll costs properly matches the actual work performed by its employees.

b. State the method used to determine the allocation percentages for the \$93,267 salary decrease, on page 2, to the accounts receiving a portion of the decrease and provide work papers showing the calculation of the allocation percentages.

c. Page 3 of the exhibit contains a breakdown of the actual test-year wages and the normalized wages.

(1) In the column for "Hours Worked" for the Actual Test Year wages, the regular hours worked for all employees is 2,088 hours. Explain the basis for using 2,088 hours for the regular hours worked for the actual test-year wages.

(2) For Normalized Wages, 2,080 hours was used as the basis the computation of wages. As a result, the regular wages for all salaried personnel in the actual test year was more than for the normalized test-year. Confirm that this is correct. If not, provide the appropriate corrections for all personnel wages and affected exhibits.

Response to Question 24.

- a. All employees prepare time sheets. The office employees prepare theirs on a bi-weekly basis. Allocations are based on actual work performed with some employees using the same account numbers based on performing the same job functions each day. Outside employees prepare daily sheets. Allocations to accounts are based on the actual work performed. All time sheets require a supervisors' approval who ensures that the information on the time sheet is accurate and complete. This task is performed prior to processing payroll.
- b. Page 2 reflects the actual payroll distribution by account for the test year, along with the percentage. The decrease of \$93,267 was allocated to accounts based on the percentages of actual test year payroll.
- c. (1) Employees were paid for 2,088 of hours worked during the test year. To calculate the actual test year wages, the actual test year hours were used.  
(2) This is correct.



South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

25. Refer to Exhibit 1, pages 2 and 7.
- a. The total wages for the test year listed on page 2 do not equal the amount on page 7. Provide an explanation and all applicable corrections.
  - b. Refer to lines 14 and 15, page 7, for the test year.
    - (1) Explain why overtime wages did not decrease as much as the overtime hours decreased when comparing the test year with the twelve-month period ending in 2009.
    - (2) Explain why the overtime hours for the test year are less than any of the prior years listed.

Response to Question 25.

- a. South Kentucky sincerely apologizes for this. This schedule was printed from a file that was not updated. The correct page 7 is attached to this response.
- b.
  - (1) The overtime wages and overtime hours are more closely related with the updated schedule.
  - (2) South Kentucky did not incur as much overtime due to storms during the test year as in previous years.





South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

26. Refer to the Application, Exhibit 1, pages 3-6.

a. For each employee listed in Table 1 below, explain in detail why they worked less than 2,080 hours in the test period.

	Employee No.	Regular Hours
(1)	328	1,828.0
(2)	353	1,644.0
(3)	376	1,840.0
(4)	586	2,035.5
(5)	597	2,053.0
(6)	614	2,059.5
(7)	617	2,070.0
(8)	628	2,040.0
(9)	636	1,756.0

b. Explain why 2,080 hours was used in calculating normalized wages rather than the actual hours worked during the test period.

Response to Question 26.

a.

Employee Number	Regular Hours	Explanation
328	1,828.0	Personal time off without pay
353	1,644.0	Short term disability
376	1,840.0	Short term disability
586	2,035.5	Short term disability
597	2,053.0	Personal time off without pay
614	2,059.5	Short term disability
617	2,070.0	Personal time off without pay
628	2,040.0	Leave without pay
636	1,756.0	Maternity leave

b. There are normally 2,080 working hours in a year. However, occasionally when pay is on a bi-weekly basis, there will be 2,088 working hours (about every 4 years, Leap Year) in a particular year. During the test year for South Kentucky, the actual paid hours were 2,088.



South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

27. Refer to the Application, Exhibit 3, Pages 1 and 2. The first paragraph on page 1 states that, "the ending plant balance is multiplied by rates that are within RUS approved guidelines." This calculation is shown on page 2. Provide a copy of the referenced RUS guidelines.

Response to Question 27.

See Big Sandy Rural Electric Cooperative Case No. 2008-00401, PSC Second Data Request, Question 7.c. for a copy of RUS Bulletin 183-1, Depreciation Rates and Procedures.



South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

28. Refer to the Application, Exhibit 3, page 2.

a. State whether South Kentucky has received Rural Utility Service's ("RUS") approval of the proposed depreciation rates.

(1) If yes, provide a copy of RUS's approval letter.

(2) If no, state when RUS's approval is anticipated and submit a copy of the RUS approval letter after it is received by South Kentucky.

b. Explain what steps and procedures are necessary for RUS to accept depreciation rates that do not fall within the "RUS Low and High" range.

c. Explain what authority RUS has to accept or reject the rates proposed as a result of the depreciation study.

Response to Question 28.

a. (2) South Kentucky has not received approval to date. At the time RUS approval is obtained, South Kentucky will submit that correspondence to the PSC.

b. RUS allows for rates above or below the "RUS Low and High" range when the rates are supported by a depreciation study.

c. South Kentucky follows the RUS Uniform System of Accounts (USDA). The USDA follows the guidelines of RUS Bulletin 183-1 for recording and accounting for depreciation.



South Kentucky Rural Electric Cooperative  
Case No. 2011-00096  
Second Information Request  
Witness: Jim Adkins

29. Refer to the Application, Exhibit 3, page 3 of 7, which shows the test-year actual and normalized total depreciation expense and the test-year actual and normalized depreciation expense charged to transportation clearing.

a. Provide the same information for each of the calendar years 2000 to 2009.

b. State specifically the non-regulated activities to which depreciation has been allocated and provide the work papers showing the calculation of the allocated amounts.

Response to Question 29.

a. Depreciation expense and charged to clearing are as follows:

	<u>Depreciation</u>	
	<u>Expense</u>	<u>Clearing</u>
2009	5,438,408	535,740
2008	5,158,391	624,831
2007	4,742,213	774,002
2006	4,322,468	892,418
2005	4,058,804	841,339
2004	3,831,582	811,910
2003	3,576,181	750,654
2002	3,380,397	647,003
2001	3,102,172	603,002
2000	2,824,137	432,772



- b. The attached Schedule contains the information which makes up the depreciation for the non-regulated activities as shown in the following calculation:

2009 yearly depreciation for office and warehouse space is  
\$185,041.54 divided by total expense of \$1,019,807.33  
Multiplied by the square foot per month charge.

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	10/31/09			.00	.00	90.96-	COST ALLOCATION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	11/30/09			.00	.00	90.96-	COST ALLOCATION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	12/31/09			.00	.00	90.96-	COST ALLOCATION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	01/31/10			.00	.00	113.67-	COST ALLOCATION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	02/28/10			.00	.00	113.67-	COST ALLOCATION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	03/31/10			.00	.00	113.67-	COST ALLOCATION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	04/30/10			.00	.00	113.67-	COST ALLOCATION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	05/31/10			.00	.00	113.67-	COST ALLOCATION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	06/30/10			.00	.00	113.67-	COST ALLOCATION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	07/31/10			.00	.00	113.67-	COST ALLOCATION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	08/31/10			.00	.00	113.67-	COST ALLOCATION	BASED	ON	SO	FT
JE	49	0.00	SJ00	61	1603		1200	09/30/10			.00	.00	113.67-	COST ALLOCATION	BASED	ON	SO	FT

NUMBER OF RECORDS FOUND - 12 TOTAL QTY .00

TOTAL DEBIT .00  
 TOTAL CREDIT 1,295.91-  
 NET BALANCE 1,295.91-

South Kentucky RECC  
Calculation of Overhead Allocation  
2009

**General Expenses Related to Payroll:**

	Amount	Square Feet	Yearly Depreciation	Maint Plant	Property & Liab. Ins.	Injures & Damages	Total Expense
Office Building & Equipment	\$6,540,565.99	47,749	\$144,961.30	\$513,589.32	\$0.00	\$164,064.94	\$822,616
Warehouse, Garage & Equipment	\$1,516,405.00	62,815	\$40,080.24	\$119,073.70	\$0.00	\$38,037.83	\$197,192
<b>Total</b>	<b>\$8,056,970.99</b>	<b>110,564</b>	<b>\$185,041.54</b>	<b>\$632,663.02</b>	<b>\$0.00</b>	<b>\$202,102.77</b>	<b>\$1,019,807.33</b>

Office Building & Equipment \$17.23  
Warehouse, Garage & Equipment \$3.14

**Allocation:**

Based on Square Feet

Account	Office	Ware-House	Total Allocation			
			per Square Foot per Month	Cost Allocated per Square Foot		
ETS	100	322	\$227.84	\$2,734.08		
Water Heaters	0	645	\$168.78	\$2,025.30		
Meter Pole Services	0	400	\$104.67	\$1,256.00		
South Ky Services	0	0	\$0.00	\$0.00		
<b>Total</b>	<b>100</b>	<b>1,367</b>	<b>\$501.29</b>	<b>\$6,015.38</b>		

South Kentucky RECC  
Calculation of Overhead Allocation  
2010

**General Expenses Related to Payroll:**

	Amount	Square Feet	Yearly Depreciation	Maint Plant	Property & Lab. Ins.	Injuries & Damages	Total Expense
Office Building & Equipment	\$8,557,002.29	47,749	\$187,259.65	\$489,514.30	\$0.00	\$150,954.54	\$827,728
Warehouse, Garage & Equipment	\$1,913,699.74	62,815	\$48,279.73	\$109,475.64	\$0.00	\$33,759.68	\$191,515
<b>Total</b>	<b>\$10,470,702.03</b>	<b>110,564</b>	<b>\$235,539.38</b>	<b>\$598,989.94</b>	<b>\$0.00</b>	<b>\$184,714.22</b>	<b>\$1,019,243.54</b>

Office Building & Equipment \$17.33  
Warehouse, Garage & Equipment \$3.05

**Allocation:**

Based on Square Feet

Account	Office	Ware-House	per Square Foot per Month	Cost Allocated per Square Foot	Total Allocation
ETS	416.02	100	\$226.26	\$2,715.10	
Water Heaters	416.04	0	\$163.94	\$1,967.25	
Meter Pole Services	417.11	0	\$101.67	\$1,220.00	
South Ky Services	143.01	0	\$0.00	\$0.00	
<b>Total</b>	<b>100</b>	<b>1,367</b>	<b>\$491.87</b>	<b>\$5,902.35</b>	



South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

30. Refer to the Application, Exhibit 3, Page 5. Provide a detailed general ledger transaction report for each asset account group showing each plant addition and retirement entry during the test year. Include a complete description for each transaction shown in the report.

Response to Question 30.

Accounts 364.00 to 373.00 plant additions and retirements that are listed as PLEL are additions and retirements through the work order system. Others are through special equipment accounting. Plant additions for Accounts 360.00 and 362.00 and 389.00 to 398.00 are through the Accounts Payable System. Retirements listed in these accounts are either sold, traded, or disposed of through general journal entries.

Attached are the general ledger sheets for each account.

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	107.12	99000002	1603			2018	12/31/09			.00	300.00	.00	JE 10140
BF	99	362.01	BYBA	00			1	01/01/10			.00	270,245.21	.00	BEG YEAR BALANCE FORWARD

NUMBER OF RECORDS FOUND - 2

TOTAL QTY .00  
 TOTAL DEBIT 270,545.21  
 TOTAL CREDIT .00  
 NET BALANCE 270,545.21

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	107.12	99000004	1603			2018	12/31/09	PJ/VHR/VND/VEH	2.00	13,007.10	.00	JE 10140
BF	99	362.02	BYBA	00	01		1	01/01/10		.00	576,762.66	.00	BEG YEAR BALANCE FORWARD

NUMBER OF RECORDS FOUND - 2 TOTAL QTY 2.00

TOTAL DEBIT 589,769.76  
 TOTAL CREDIT .00  
 NET BALANCE 589,769.76



SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
WO	70	107.20	PLEL	00	01		1	10/31/09		.00	201,260.50	.00	
WO	70	107.20	PLEL	00	01		1	10/31/09	P	.00	17,473.36	.00	
WO	71	108.80	PLEL	00	01		1	10/31/09	P	.00	.00	44,971.09	
WO	71	108.80	PLEL	00	01		1	10/31/09	P	.00	.00	3,298.91	
WO	70	107.20	PLEL	00	01		1	11/30/09		.00	276,306.18	.00	
WO	71	108.80	PLEL	00	01		1	11/30/09		.00	.00	82,659.42	
WO	70	107.20	PLEL	00	01		1	12/31/09	P	.00	146,799.13	.00	
WO	70	107.20	PLEL	00	01		1	12/31/09	P	.00	6,488.04	.00	
WO	71	108.80	PLEL	00	01		1	12/31/09	P	.00	1,751.34	.00	
WO	71	108.80	PLEL	00	01		1	12/31/09	P	.00	.00	38,052.47	
WO	71	108.80	PLEL	00	01		1	12/31/09	P	.00	.00	2,940.51	
BF	99	364.00	BYBA	00	01		1	01/01/10		.00	47,935,036.08	.00	BEG YEAR BALANCE FORWARD
WO	70	107.20	PLEL	00	01		1	01/31/10	P	.00	204,168.97	.00	
WO	71	108.80	PLEL	00	01		1	01/31/10	P	.00	1,763.78	.00	
WO	70	107.20	PLEL	00	01		1	02/28/10		.00	.00	54,768.66	
WO	71	108.80	PLEL	00	01		1	02/28/10		.00	.00	313.28	
WO	70	107.20	PLEL	00	01		1	03/31/10		.00	156,400.46	.00	
WO	71	108.80	PLEL	00	01		1	03/31/10		.00	.00	55,464.11	
WO	70	107.20	PLEL	00	01		1	03/31/10		.00	228,302.50	.00	
WO	71	108.80	PLEL	00	01		1	04/30/10		.00	.00	63,272.16	
WO	70	107.20	PLEL	00	01		1	04/30/10		.00	254,847.44	.00	
WO	71	108.80	PLEL	00	01		1	04/30/10		.00	.00	63,527.14	
WO	70	107.20	PLEL	00	01		1	05/31/10		.00	214,306.79	.00	
WO	71	108.80	PLEL	00	01		1	05/31/10		.00	.00	52,234.76	
WO	70	107.20	PLEL	00	01		1	06/30/10		.00	188,964.19	.00	
WO	71	108.80	PLEL	00	01		1	06/30/10		.00	.00	42,448.22	
WO	70	107.20	PLEL	00	01		1	07/31/10		.00	251,798.06	.00	
WO	71	108.80	PLEL	00	01		1	07/31/10		.00	.00	68,389.79	
WO	70	107.20	PLEL	00	01		1	08/31/10		.00	174,420.21	.00	
WO	71	108.80	PLEL	00	01		1	08/31/10		.00	.00	70,479.28	
WO	70	107.20	PLEL	00	01		1	09/30/10		.00	173,404.89	.00	
WO	71	108.80	PLEL	00	01		1	09/30/10		.00	.00	64,113.40	

NUMBER OF RECORDS FOUND - 33

TOTAL QTY	.00
TOTAL DEBIT	50,433,491.92
TOTAL CREDIT	707,357.52
NET BALANCE	49,726,134.40

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	107.30	99001470	1603			1200	10/31/09			.00	190.32	.00	SJ00 28
JE	40	108.60	99001470	1603			1200	10/31/09			15.00-	.00	.00	SJ00 29
WO	70	107.20	PLEL	00	01		1	10/31/09	P		.00	147,939.06	.00	
WO	70	107.20	PLEL	00	01		1	10/31/09	P		.00	5,502.66	.00	
WO	71	108.80	PLEL	00	01		1	10/31/09	P		.00	.00	.00	
WO	71	108.80	PLEL	00	01		1	10/31/09	P		.00	.00	.00	
JE	40	107.30	99001470	1806			1200	11/30/09			12.00	32,020.08	.00	SJ00 28
WO	70	107.20	PLEL	00	01		1	11/30/09			.00	356,510.11	.00	
WO	71	108.80	PLEL	00	01		1	11/30/09			.00	.00	.00	
WO	70	107.20	PLEL	00	01		1	12/31/09	P		.00	143,250.91	.00	
WO	70	107.20	PLEL	00	01		1	12/31/09	P		.00	3,486.39	.00	
WO	70	107.20	PLEL	00	01		1	12/31/09	P		.00	360.28	.00	
WO	71	108.80	PLEL	00	01		1	12/31/09	P		.00	.00	.00	
WO	71	108.80	PLEL	00	01		1	12/31/09	P		.00	.00	.00	
BF	99	365.00	BYBA	00	01		1	01/01/10			.00	50,110.624.77	.00	BEG YEAR BALANCE FORWARD
JE	40	108.60	99001470	1603			2018	01/31/10			2.00-	.00	1,913.70-	SJ00 29
WO	70	107.20	PLEL	00	01		1	01/31/10	P		.00	260,720.56	.00	
WO	71	108.80	PLEL	00	01		1	01/31/10	P		.00	1,310.24	.00	
WO	71	108.80	PLEL	00	01		1	01/31/10	P		.00	.00	.00	
JE	40	107.30	99001471	1603			2018	02/28/10			1.00-	.00	.00	SJ00 29
JE	40	107.30	99001471	1603			2018	02/28/10			15.00	66,435.00	.00	SJ00 28
JE	40	107.30	99001471	1603			2018	02/28/10			.00	120.84	.00	SJ00 28
WO	70	107.20	PLEL	00	01		1	02/28/10			.00	102,253.78	.00	SJ00 28
WO	71	108.80	PLEL	00	01		1	02/28/10			.00	.00	.00	
WO	70	107.20	PLEL	00	01		1	03/31/10			.00	273,545.79	.00	
WO	71	108.80	PLEL	00	01		1	03/31/10			.00	.00	.00	
WO	70	107.20	PLEL	00	01		1	04/30/10			.00	253,531.34	.00	
WO	71	108.80	PLEL	00	01		1	04/30/10			.00	.00	.00	
WO	70	107.20	PLEL	00	01		1	04/30/10			.00	49,340.76-	.00	
WO	71	108.80	PLEL	00	01		1	05/31/10			.00	198,760.58	.00	
WO	70	107.20	PLEL	00	01		1	05/31/10			.00	.00	.00	
WO	71	108.80	PLEL	00	01		1	06/30/10			.00	206,685.90	.00	
WO	70	107.20	PLEL	00	01		1	06/30/10			.00	.00	.00	
WO	71	108.80	PLEL	00	01		1	07/31/10			.00	457,174.16	.00	
WO	70	107.20	PLEL	00	01		1	07/31/10			.00	.00	.00	
WO	71	108.80	PLEL	00	01		1	08/31/10			.00	199,554.28	.00	
WO	70	107.20	PLEL	00	01		1	08/31/10			.00	.00	.00	
WO	71	108.80	PLEL	00	01		1	09/30/10			.00	295,288.80	.00	
WO	71	108.80	PLEL	00	01		1	09/30/10			.00	.00	.00	

NUMBER OF RECORDS FOUND - 41  
 TOTAL QTY 9.00

TOTAL DEBIT 53,116,051.31  
 TOTAL CREDIT 618,572.93-  
 NET BALANCE 52,497,478.38

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
WO	70	107.20	PLEL	00	01		1	10/31/09			.00	1,577.64	.00	
WO	70	107.20	PLEL	00	01		1	11/30/09			.00	1,447.09	.00	
WO	70	107.20	PLEL	00	01		1	12/31/09			.00	3,814.91	.00	
BF	99	366.00	BYBA	00	01		1	01/01/10			.00	410,512.53	.00	BEG YEAR BALANCE FORWARD
WO	70	107.20	PLEL	00	01		1	01/31/10			.00	1,145.84	.00	
WO	70	107.20	PLEL	00	01		1	02/28/10			.00	741.11	.00	
WO	70	107.20	PLEL	00	01		1	03/31/10			.00	2,818.59	.00	
WO	71	108.80	PLEL	00	01		1	03/31/10			.00	.00	239.77-	
WO	70	107.20	PLEL	00	01		1	04/30/10			.00	1,119.23	.00	
WO	70	107.20	PLEL	00	01		1	05/31/10			.00	851.71	.00	
WO	70	107.20	PLEL	00	01		1	06/30/10			.00	2,192.82	.00	
WO	70	107.20	PLEL	00	01		1	07/31/10			.00	2,444.09	.00	
WO	70	107.20	PLEL	00	01		1	08/31/10			.00	1,886.15	.00	
WO	70	107.20	PLEL	00	01		1	09/30/10			.00	2,510.41	.00	
WO	71	108.80	PLEL	00	01		1	09/30/10			.00	.00	161.70-	

NUMBER OF RECORDS FOUND - 15

TOTAL QTY .00

TOTAL DEBIT 433,062.12

TOTAL CREDIT 401.47-

NET BALANCE 432,660.65

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
WO	70	107.20	PLEL	00	01		1	10/31/09		.00	110,337.98	.00	
WO	70	107.20	PLEL	00	01		1	11/30/09		.00	3,478.46	.00	
WO	70	107.20	PLEL	00	01		1	12/31/09		.00	11,084.24	.00	
BF	99	367.00	BYBA	00	01		1	01/01/10		.00	5,574,071.49	.00	BEG YEAR BALANCE FORWARD
WO	70	107.20	PLEL	00	01		1	02/28/10		.00	21,845.50	.00	
WO	70	107.20	PLEL	00	01		1	03/31/10		.00	29,015.32	.00	
WO	71	108.80	PLEL	00	01		1	03/31/10		.00	.00	307.44-	
WO	70	107.20	PLEL	00	01		1	04/30/10		.00	53,113.03	.00	
WO	70	107.20	PLEL	00	01		1	05/31/10		.00	1,824.88	.00	
WO	70	107.20	PLEL	00	01		1	06/30/10		.00	36,705.11	.00	
WO	71	108.80	PLEL	00	01		1	06/30/10		.00	.00	541.50-	
WO	70	107.20	PLEL	00	01		1	07/31/10		.00	4,951.39	.00	
WO	70	107.20	PLEL	00	01		1	08/31/10		.00	9,031.19	.00	
WO	71	108.80	PLEL	00	01		1	08/31/10		.00	.00	4,366.23-	
WO	70	107.20	PLEL	00	01		1	09/30/10		.00	21,747.77	.00	
WO	71	108.80	PLEL	00	01		1	09/30/10		.00	.00	366.32-	

NUMBER OF RECORDS FOUND - 16

TOTAL QTY .00  
 TOTAL DEBIT 5,877,206.36  
 TOTAL CREDIT 5,581.49  
 NET BALANCE 5,871,624.87

SO	TR	RACCT	ITEM ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	107.30	99004090	1603		1200	10/31/09		15.00	10,530.00	.00	SJ00 28
JE	40	107.30	99004090	1603		1200	10/31/09		19.00	13,737.00	.00	SJ00 28
JE	40	107.30	99004120	1603		1200	10/31/09		6.00	4,854.00	.00	SJ00 28
JE	40	107.30	99004120	1603		1200	10/31/09		10.00	9,100.00	.00	SJ00 28
JE	40	107.30	99004121	1603		1200	10/31/09		1.00	1,007.00	.00	SJ00 28
JE	40	107.30	99004135	1603		1200	10/31/09		8.00	8,592.00	.00	SJ00 28
JE	40	107.30	99004120	1603		1200	10/31/09		10.00	17,117.00	.00	SJ00 28
JE	40	107.30	99004121	1603		1200	10/31/09		2.00	10,070.00	.00	SJ00 28
JE	40	107.30	99004121	1603		1200	10/31/09		2.00	2,148.00	.00	SJ00 28
JE	40	107.30	99004121	1603		1200	10/31/09		2.00	1,918.00	.00	SJ00 28
JE	40	107.30	99004090	1603		1200	10/31/09		4.00	2,808.00	.00	SJ00 28
JE	40	107.30	99004090	1603		1200	10/31/09		4.00	2,808.00	.00	SJ00 28
JE	40	107.30	99004090	1603		1200	10/31/09		4.00	2,808.00	.00	SJ00 28
JE	40	107.30	99004120	1603		1200	10/31/09		3.00	2,877.00	.00	SJ00 28
JE	40	107.30	99004120	1603		1200	10/31/09		2.00	1,760.00	.00	SJ00 28
JE	40	107.30	99004150	1603		1200	10/31/09		1.00	1,977.00	.00	SJ00 28
JE	40	107.30	99004100	1603		1200	10/31/09		3.00	2,307.00	.00	SJ00 28
JE	40	107.30	99004120	1603		1200	10/31/09		4.00	4,028.00	.00	SJ00 28
JE	40	107.30	99004020	1603		1200	10/31/09		3.00-	31,812.00	.00	SJ00 28
JE	40	108.60	99004040	1603		1200	10/31/09		11.00-	.00	1,566.62-	SJ00 29
JE	40	108.60	99004070	1603		1200	10/31/09		42.00-	.00	10,582.74-	SJ00 29
JE	40	108.60	99004070	1603		1200	10/31/09		28.00-	.00	7,055.16-	SJ00 29
JE	40	108.60	99004070	1603		1200	10/31/09		6.00-	.00	2,496.48-	SJ00 29
JE	40	108.60	99004090	1603		1200	10/31/09		12.00-	.00	6,346.92-	SJ00 29
JE	40	108.60	99004100	1603		1200	10/31/09		8.00-	.00	4,079.60-	SJ00 29
JE	40	108.60	99004120	1603		1200	10/31/09		3.00-	.00	2,402.28-	SJ00 29
JE	40	108.60	99004150	1603		1200	10/31/09		1.00-	.00	1,107.74-	SJ00 29
JE	40	108.60	99004121	1603		2018	10/31/09		3.00-	.00	2,880.00-	JE 10109
WO	70	107.20	PLEL	00	01	1	10/31/09	P	.00	57,039.85	.00	
WO	70	107.20	PLEL	00	01	1	10/31/09	P	.00	866.94	.00	
WO	71	108.80	PLEL	00	01	1	10/31/09	P	.00	.00	5,987.10-	
WO	71	108.80	PLEL	00	01	1	10/31/09	P	.00	.00	52.24-	
JE	40	107.30	99004090	1806		1200	11/30/09		4.00	2,808.00	.00	SJ00 28
JE	40	107.30	99004090	1806		1200	11/30/09		6.00	4,338.00	.00	SJ00 28
JE	40	107.30	99004140	1806		1200	11/30/09		2.00	3,240.00	.00	SJ00 28
JE	40	107.30	99004120	1806		1200	11/30/09		18.00	18,126.00	.00	SJ00 28
JE	40	107.30	99004120	1806		1200	11/30/09		8.00	8,056.00	.00	SJ00 28
JE	40	107.30	99004120	1806		1200	11/30/09		10.00	10,070.00	.00	SJ00 28
JE	40	107.30	99004090	1806		1200	11/30/09		10.00	7,230.00	.00	SJ00 28
WO	70	107.20	PLEL	00	01	1	11/30/09		.00	90,887.28	.00	
WO	71	108.80	PLEL	00	01	1	11/30/09		.00	6,581.72-	.00	
JE	40	108.60	99004020	1603		1200	12/31/09		5.00-	.00	492.00-	SJ00 29
JE	40	108.60	99004040	1603		1200	12/31/09		13.00-	.00	1,851.33-	SJ00 29
JE	40	108.60	99004060	1603		1200	12/31/09		1.00-	.00	166.22-	SJ00 29
JE	40	108.60	99004070	1603		1200	12/31/09		12.00-	.00	3,023.64-	SJ00 29
JE	40	108.60	99004070	1603		1200	12/31/09		12.00-	.00	3,023.64-	SJ00 29
JE	40	108.60	99004100	1603		1200	12/31/09		8.00-	.00	4,237.04-	SJ00 29
JE	40	108.60	99004120	1603		1200	12/31/09		7.00-	.00	3,586.80-	SJ00 29
JE	40	108.60	99004140	1603		1200	12/31/09		1.00-	.00	801.71-	SJ00 29
JE	40	107.30	99004150	1603		1200	12/31/09		2.00	4,927.00	.00	SJ00 28

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	107.30	99004121	1603			1200	12/31/09		5.00	5,715.00	.00	SJ00 28
JE	40	107.30	99004100	1603			1200	12/31/09		8.00	7,424.00	.00	SJ00 28
JE	40	107.30	99004100	1603			1200	12/31/09		2.00	1,856.00	.00	SJ00 28
JE	40	107.30	99004121	1603			1200	12/31/09		8.00	9,144.00	.00	SJ00 28
JE	40	107.30	99004090	1603			1200	12/31/09		1.00	1,143.00	.00	SJ00 28
JE	40	107.30	99004120	1603			1200	12/31/09		25.00	18,075.00	.00	SJ00 28
JE	40	107.30	99004145	1603			1200	12/31/09		16.00	16,112.00	.00	SJ00 28
JE	40	107.30	99004145	1603			1200	12/31/09		3.00	5,862.00	.00	SJ00 28
JE	40	107.30	99004090	1603			1200	12/31/09		25.00	18,075.00	.00	SJ00 28
JE	40	107.30	99004120	1603			1200	12/31/09		24.00	24,168.00	.00	SJ00 28
JE	40	107.30	99004145	1603			1200	12/31/09		2.00	3,908.00	.00	SJ00 28
WO	70	107.20	PIEL	00	01		1	12/31/09	P	.00	39,917.83	.00	
WO	70	107.20	PIEL	00	01		1	12/31/09	P	.00	106.80	.00	
WO	71	108.80	PIEL	00	01		1	12/31/09	P	.00	.00	.00	
BF	99	368.00	BYBA	00	01		1	01/01/10		.00	30,861,857.93	.00	BEG YEAR BALANCE FORWARD
JE	40	107.30	99004170	1603			2018	01/31/10		1.00	3,527.00	.00	SJ00 28
JE	40	107.30	99004150	1603			2018	01/31/10		1.00	2,445.00	.00	SJ00 28
JE	40	107.30	99004121	1603			2018	01/31/10		1.00	1,143.00	.00	SJ00 28
JE	40	107.30	99004090	1603			2018	01/31/10		30.00	21,690.00	.00	SJ00 28
JE	40	107.30	99004230	1603			2018	01/31/10		1.00	6,778.00	.00	SJ00 28
JE	40	108.60	99004020	1603			2018	01/31/10		4.00-	.00	.00	SJ00 29
JE	40	108.60	99004040	1603			2018	01/31/10		12.00-	.00	.00	SJ00 29
JE	40	108.60	99004070	1603			2018	01/31/10		21.00-	.00	.00	SJ00 29
JE	40	108.60	99004090	1603			2018	01/31/10		6.00-	.00	.00	SJ00 29
JE	40	108.60	99004100	1603			2018	01/31/10		14.00-	.00	.00	SJ00 29
JE	40	108.60	99004120	1603			2018	01/31/10		11.00-	.00	.00	SJ00 29
JE	40	108.60	99004140	1603			2018	01/31/10		4.00-	.00	.00	SJ00 29
JE	40	108.60	99004150	1603			2018	01/31/10		1.00-	.00	.00	SJ00 29
WO	70	107.20	PIEL	00	01		1	01/31/10		.00	64,853.12	.00	
WO	71	108.80	PIEL	00	01		1	01/31/10		.00	4,951.48-	.00	
JE	40	108.60	99004040	1603			2018	02/28/10		1.00-	.00	.00	SJ00 29
JE	40	108.60	99004070	1603			2018	02/28/10		31.00-	.00	.00	SJ00 29
JE	40	108.60	99004090	1603			2018	02/28/10		15.00-	.00	.00	SJ00 29
JE	40	108.60	99004120	1603			2018	02/28/10		4.00-	.00	.00	SJ00 29
JE	40	108.60	99004100	1603			2018	02/28/10		12.00-	.00	.00	SJ00 29
JE	40	108.60	99004120	1603			2018	02/28/10		5.00-	.00	.00	SJ00 29
JE	40	108.60	99004140	1603			2018	02/28/10		5.00-	.00	.00	SJ00 29
JE	40	107.30	99004120	1603			2018	02/28/10		3.00	2,469.00	.00	SJ00 28
JE	40	107.30	99004090	1603			2018	02/28/10		10.00	7,800.00	.00	SJ00 28
JE	40	107.30	99004120	1603			2018	02/28/10		40.00	40,280.00	.00	SJ00 28
JE	40	107.30	99004225	1603			2018	02/28/10		1.00	12,294.00	.00	SJ00 28
WO	70	107.20	PIEL	00	01		1	02/28/10		.00	169,732.43	.00	
WO	71	108.80	PIEL	00	01		1	02/28/10		.00	.00	.00	
JE	40	108.60	99004010	1603			2018	03/31/10		1.00-	.00	.00	SJ00 29
JE	40	108.60	99004040	1603			2018	03/31/10		1.00-	.00	.00	SJ00 29
JE	40	108.60	99004070	1603			2018	03/31/10		7.00-	.00	.00	SJ00 29
JE	40	108.60	99004070	1603			2018	03/31/10		4.00-	.00	.00	SJ00 29

SO	TR	RACCT	ITEM ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	108.60	99004100	1603		2018	03/31/10		10.00-	.00	5,336.10-	SJ00 29
JE	40	108.60	99004120	1603		2018	03/31/10		3.00-	.00	1,546.47-	SJ00 29
JE	40	107.30	99004090	1603		2018	03/31/10		30.00	21,690.00	.00	SJ00 28
JE	40	107.30	99004120	1603		2018	03/31/10		5.00	5,550.00	.00	SJ00 28
JE	40	107.30	99004170	1603		2018	03/31/10		2.00	8,030.00	.00	SJ00 28
JE	40	107.30	99004140	1603		2018	03/31/10		1.00	1,722.00	.00	SJ00 28
JE	40	107.30	99004090	1603		2018	03/31/10		30.00	21,690.00	.00	SJ00 28
JE	40	107.30	99004120	1603		2018	03/31/10		10.00	10,070.00	.00	SJ00 28
JE	40	107.30	99004170	1603		2018	03/31/10		5.00	8,940.00	.00	SJ00 28
JE	40	107.30	99004145	1603		2018	03/31/10		10.00	19,540.00	.00	SJ00 28
WO	70	107.20	PIEL	00	01		1 03/31/10		.00	60,991.85	.00	
WO	71	108.80	PIEL	00	01		1 04/30/10		.00	.00	5,300.32-	SJ00 29
JE	40	108.60	99004040	1603		2018	04/30/10		3.00-	.00	427.23-	SJ00 29
JE	40	108.60	99004070	1603		2018	04/30/10		24.00-	.00	6,047.28-	SJ00 29
JE	40	108.60	99004070	1603		2018	04/30/10		25.00-	.00	6,299.25-	SJ00 29
JE	40	108.60	99004090	1603		2018	04/30/10		5.00-	.00	2,099.35-	SJ00 29
JE	40	108.60	99004100	1603		2018	04/30/10		8.00-	.00	4,268.88-	SJ00 29
JE	40	108.60	99004120	1603		2018	04/30/10		9.00-	.00	4,639.41-	SJ00 29
JE	40	108.60	99004130	1603		2018	04/30/10		2.00-	.00	1,113.32-	SJ00 29
JE	40	108.60	99004140	1603		2018	04/30/10		1.00-	.00	801.71-	SJ00 29
JE	40	108.60	99004150	1603		2018	04/30/10		3.00-	.00	3,363.21-	SJ00 29
JE	40	108.60	99004160	1603		2018	04/30/10		1.00-	.00	1,417.36-	SJ00 29
JE	40	108.60	99004120	1603		2018	04/30/10		3.00-	.00	1,548.27-	JE 10216
JE	40	108.60	99004244	1603		2018	04/30/10		1.00-	.00	24,874.56-	JE 10216
JE	40	107.30	99004169	1603		2018	04/30/10		1.00	7,693.00	.00	SJ00 28
JE	40	107.30	99004140	1603		2018	04/30/10		2.00	3,444.00	.00	SJ00 28
JE	40	107.30	99004121	1603		2018	04/30/10		10.00	9,280.00	.00	SJ00 28
JE	40	107.30	99004200	1603		2018	04/30/10		2.00	11,430.00	.00	SJ00 28
JE	40	107.30	99004120	1603		2018	04/30/10		8.00	19,948.00	.00	SJ00 28
JE	40	107.30	99004120	1603		2018	04/30/10		20.00	8,816.00	.00	SJ00 28
JE	40	107.30	99004155	1603		2018	04/30/10		1.00	20,140.00	.00	SJ00 28
JE	40	107.30	99004155	1603		2018	04/30/10		1.00	2,902.00	.00	SJ00 28
JE	40	107.30	99004090	1603		2018	04/30/10		30.00	2,501.00	.00	SJ00 28
WO	70	107.20	PIEL	00	01		1 04/30/10		.00	21,690.00	.00	SJ00 28
WO	71	108.80	PIEL	00	01		1 04/30/10		.00	57,697.54	.00	
JE	40	108.60	99004010	1603		2000	05/31/10		1.00-	.00	7,509.56-	SJ00 29
JE	40	108.60	99004030	1603		2000	05/31/10		2.00-	.00	74.90-	SJ00 29
JE	40	108.60	99004040	1603		2000	05/31/10		11.00-	.00	196.80-	SJ00 29
JE	40	108.60	99004070	1603		2000	05/31/10		9.00-	.00	1,566.51-	SJ00 29
JE	40	108.60	99004070	1603		2000	05/31/10		8.00-	.00	2,267.73-	SJ00 29
JE	40	108.60	99004070	1603		2000	05/31/10		6.00-	.00	2,015.76-	SJ00 29
JE	40	108.60	99004100	1603		2000	05/31/10		1.00-	.00	3,226.08-	SJ00 29
JE	40	108.60	99004120	1603		2000	05/31/10		2.00-	.00	517.20-	SJ00 29
JE	40	108.60	99004130	1603		2000	05/31/10		1.00-	.00	1,113.32-	SJ00 29
JE	40	108.60	99004140	1603		2000	05/31/10		1.00-	.00	1,803.32-	SJ00 29
JE	40	108.60	99004160	1603		2000	05/31/10		5.00	.00	1,417.36-	SJ00 29
JE	40	107.30	99004121	1603		2000	05/31/10		57.00	5,715.00	.00	SJ00 28
JE	40	107.30	99004100	1603		2000	05/31/10		20.00	52,896.00	.00	SJ00 28
JE	40	107.30	99004090	1603		2000	05/31/10		30.00	14,460.00	.00	SJ00 28
JE	40	107.30	99004120	1603		2000	05/31/10		1.00	30,210.00	.00	SJ00 28
JE	40	107.30	99004170	1603		2000	05/31/10		1.00	4,015.00	.00	SJ00 28

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	107.30	99004121	1603	1200	05/31/10					4.00	4,824.00	.00	SJ00 28
JE	40	107.30	99004120	1603	1200	05/31/10					1.00	1,102.00	.00	SJ00 28
JE	40	107.30	99004140	1603	1200	05/31/10					2.00	3,384.00	.00	SJ00 28
JE	40	107.30	99004145	1603	1200	05/31/10					4.00	10,448.00	.00	SJ00 28
JE	40	107.30	99004141	1603	1200	05/31/10					1.00	2,646.00	.00	SJ00 28
JE	40	107.30	99004121	1603	1200	05/31/10					1.00	859.00	.00	SJ00 28
JE	40	107.30	99004090	1603	1200	05/31/10					4.00	1,456.00	.00	SJ00 28
WO	70	107.20	PIEL	00	01	05/31/10					.00	53,666.36	.00	
WO	71	108.80	PIEL	00	01	05/31/10					.00	7,578.00	.00	
JE	40	108.60	99004020	1603	1200	06/30/10					1.00-	.00	98.40-	SJ00 29
JE	40	108.60	99004040	1603	1200	06/30/10					3.00-	.00	427.26-	SJ00 29
JE	40	108.60	99004060	1603	1200	06/30/10					1.00-	.00	166.23-	SJ00 29
JE	40	108.60	99004070	1603	1200	06/30/10					33.00-	.00	8,315.01-	SJ00 29
JE	40	108.60	99004070	1603	1200	06/30/10					22.00-	.00	5,543.34-	SJ00 29
JE	40	108.60	99004090	1603	1200	06/30/10					4.00-	.00	1,687.64-	SJ00 29
JE	40	108.60	99004100	1603	1200	06/30/10					16.00-	.00	8,952.32-	SJ00 29
JE	40	108.60	99004120	1603	1200	06/30/10					9.00-	.00	4,665.24-	SJ00 29
JE	40	108.60	99004130	1603	1200	06/30/10					2.00-	.00	1,113.32-	SJ00 29
JE	40	108.60	99004140	1603	1200	06/30/10					2.00-	.00	1,608.70-	SJ00 29
JE	40	108.60	99004242	1603	1200	06/30/10					1.00-	.00	15,204.00-	SJ00 29
JE	40	107.30	99004160	1603	1200	06/30/10					1.00	3,293.00	.00	SJ00 28
WO	70	107.20	PIEL	00	01	06/30/10					.00	50,268.11	.00	
WO	71	108.80	PIEL	00	01	06/30/10					.00	4,379.94-	.00	
JE	40	108.60	99004020	1603	1200	07/31/10					2.00-	.00	196.80-	SJ00 29
JE	40	108.60	99004040	1603	1200	07/31/10					11.00-	.00	1,566.62-	SJ00 29
JE	40	108.60	99004070	1603	1200	07/31/10					27.00-	.00	6,803.19-	SJ00 29
JE	40	108.60	99004070	1603	1200	07/31/10					24.00-	.00	6,047.28-	SJ00 29
JE	40	108.60	99004090	1603	1200	07/31/10					3.00-	.00	1,265.73-	SJ00 29
JE	40	108.60	99004100	1603	1200	07/31/10					18.00-	.00	10,071.36-	SJ00 29
JE	40	108.60	99004120	1603	1200	07/31/10					11.00-	.00	5,701.96-	SJ00 29
JE	40	108.60	99004130	1603	1200	07/31/10					1.00-	.00	556.66-	SJ00 29
JE	40	108.60	99004140	1603	1200	07/31/10					1.00-	.00	804.35-	SJ00 29
JE	40	108.60	99004150	1603	1200	07/31/10					1.00-	.00	1,121.07-	SJ00 29
JE	40	107.30	99004170	1603	1200	07/31/10					3.00-	.00	5,623.20-	SJ00 29
JE	40	107.30	99004200	1603	1200	07/31/10					2.00	20,862.00	.00	SJ00 27
JE	40	107.30	99004244	1603	1200	07/31/10					1.00	28,868.00	.00	SJ00 27
JE	40	107.30	99004090	1603	1200	07/31/10					30.00	21,810.00	.00	SJ00 27
JE	40	107.30	99004120	1603	1200	07/31/10					20.00	20,220.00	.00	SJ00 27
JE	40	107.30	99004090	1603	1200	07/31/10					20.00	14,540.00	.00	SJ00 27
JE	40	107.30	99004120	1806	1200	07/31/10					20.00	20,220.00	.00	SJ00 27
JE	40	107.30	99004090	1806	1200	07/31/10					23.00	16,721.00	.00	SJ00 27
JE	40	107.30	99004090	1603	1200	07/31/10					7.00	5,089.00	.00	SJ00 27
JE	40	107.30	99004100	1603	1200	07/31/10					5.00	4,660.00	.00	SJ00 27
WO	70	107.20	PIEL	00	01	07/31/10					.00	48,082.11	.00	
WO	71	108.80	PIEL	00	01	07/31/10					.00	5,353.51-	.00	
JE	40	108.60	99004020	1603	2018	08/31/10					2.00-	.00	196.80-	SJ00 29
JE	40	108.60	99004040	1603	2018	08/31/10					3.00-	.00	427.23-	SJ00 29
JE	40	108.60	99004060	1603	2018	08/31/10					2.00-	.00	332.44-	SJ00 29
JE	40	108.60	99004070	1603	2018	08/31/10					6.00-	.00	1,511.82-	SJ00 29
JE	40	108.60	99004070	1603	2018	08/31/10					1.00-	.00	251.97-	SJ00 29



SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	108.60	99004100	1603			2018	08/31/10			5.00-	.00	2,807.00-	ST00 29
JE	40	108.60	99004120	1603			2018	08/31/10			5.00-	.00	2,599.30-	ST00 29
JE	40	107.30	99004160	1603			2018	08/31/10			1.00	.00	.00	ST00 28
JE	40	107.30	99004120	1603			2018	08/31/10			3.00	3,318.00	.00	ST00 28
JE	40	107.30	99004130	1603			2018	08/31/10			6.00	9,942.00	.00	ST00 28
JE	40	107.30	99004140	1603			2018	08/31/10			8.00	14,368.00	.00	ST00 28
JE	40	107.30	99004141	1603			2018	08/31/10			4.00	8,096.00	.00	ST00 28
JE	40	107.30	99004090	1603			2018	08/31/10			30.00	21,810.00	.00	ST00 28
JE	40	107.30	99004120	1603			2018	08/31/10			20.00	20,220.00	.00	ST00 28
JE	40	107.30	99004145	1603			2018	08/31/10			5.00	11,055.00	.00	ST00 28
JE	40	107.30	99004155	1603			2018	08/31/10			1.00	2,342.00	.00	ST00 28
JE	40	107.30	99004135	1603			2018	08/31/10			5.00	8,620.00	.00	ST00 28
WO	70	107.20	PLEL	00	01			1 08/31/10			.00	89,468.18	.00	
WO	71	108.80	PLEL	00	01			1 08/31/10			.00	19,382.10-	.00	
JE	40	108.60	99004070	1603			2018	09/30/10			1.00-	.00	19,382.10-	ST00 29
JE	40	108.60	99004070	1603			2018	09/30/10			14.00-	.00	3,527.58-	ST00 29
JE	40	108.60	99004090	1603			2018	09/30/10			1.00-	.00	423.96-	ST00 29
JE	40	108.60	99004100	1603			2018	09/30/10			12.00-	.00	6,736.80-	ST00 29
JE	40	108.60	99004120	1603			2018	09/30/10			9.00-	.00	4,686.66-	ST00 29
JE	40	108.60	99004140	1603			2018	09/30/10			1.00-	.00	808.96-	ST00 29
JE	40	108.60	99004190	1603			2018	09/30/10			3.00-	.00	9,151.44-	ST00 29
JE	40	107.30	99004100	1603			2018	09/30/10			5.00	4,660.00	.00	ST00 28
JE	40	107.30	99004120	1603			2018	09/30/10			3.00	3,318.00	.00	ST00 28
JE	40	107.30	99004140	1603			2018	09/30/10			2.00	3,592.00	.00	ST00 28
JE	40	107.30	99004141	1603			2018	09/30/10			1.00	2,024.00	.00	ST00 28
JE	40	107.30	99004090	1603			2018	09/30/10			5.00	4,150.00	.00	ST00 28
JE	40	107.30	99004120	1603			2018	09/30/10			4.00	4,336.00	.00	ST00 28
JE	40	107.30	99004090	1603			2018	09/30/10			10.00	7,270.00	.00	ST00 28
JE	40	107.30	99004120	1603			2018	09/30/10			8.00	11,660.00	.00	ST00 28
JE	40	107.30	99004140	1603			2018	09/30/10			5.00	8,980.00	.00	ST00 28
JE	40	107.30	99004100	1603			2018	09/30/10			10.00	9,320.00	.00	ST00 28
JE	40	107.30	99004120	1603			2018	09/30/10			2.00	2,402.00	.00	ST00 28
JE	40	107.30	99004090	1603			2018	09/30/10			20.00	14,540.00	.00	ST00 28
JE	40	107.30	99004120	1603			2018	09/30/10			8.00	8,088.00	.00	ST00 28
JE	40	107.30	99004090	1603			2018	09/30/10			40.00	29,080.00	.00	ST00 28
JE	40	107.30	99004120	1603			2018	09/30/10			10.00	10,110.00	.00	ST00 28
WO	70	107.20	PLEL	00	01			1 09/30/10			.00	44,802.75	.00	
WO	71	108.80	PLEL	00	01			1 09/30/10			.00	5,844.80-	.00	

NUMBER OF RECORDS FOUND - 242

TOTAL QTY 313.00  
 TOTAL DEBIT 32,810,932.08  
 TOTAL CREDIT 457,171.46-  
 NET BALANCE 32,353,760.62

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
WO	70	107.20	PLEL	00	01		1	10/31/09		.00	94,398.39	.00	
WO	71	108.80	PLEL	00	01		1	10/31/09		.00	9,847.30-	.00	
WO	70	107.20	PLEL	00	01		1	11/30/09		.00	53,466.47	.00	
WO	71	108.80	PLEL	00	01		1	11/30/09		.00	12,997.06-	.00	
WO	70	107.20	PLEL	00	01		1	12/31/09		.00	88,599.32	.00	
WO	71	108.80	PLEL	00	01		1	12/31/09		.00	8,619.98-	.00	
WO	71	108.80	PLEL	00	01		1	12/31/09	P	.00	297.06-	.00	
BF	99	369.00	BYBA	00	01		1	01/01/10		.00	19,895,336.15	.00	BEG YEAR BALANCE FORWARD
WO	70	107.20	PLEL	00	01		1	01/31/10		.00	90,759.12	.00	
WO	71	108.80	PLEL	00	01		1	01/31/10		.00	7,052.25-	.00	
WO	70	107.20	PLEL	00	01		1	02/28/10		.00	73,260.56	.00	
WO	71	108.80	PLEL	00	01		1	02/28/10		.00	13,173.55-	.00	
WO	70	107.20	PLEL	00	01		1	03/31/10		.00	97,306.28	.00	
WO	71	108.80	PLEL	00	01		1	03/31/10		.00	16,863.48-	.00	
WO	70	107.20	PLEL	00	01		1	04/30/10		.00	76,189.16	.00	
WO	71	108.80	PLEL	00	01		1	04/30/10		.00	14,234.13-	.00	
WO	70	107.20	PLEL	00	01		1	05/31/10		.00	60,748.45	.00	
WO	71	108.80	PLEL	00	01		1	05/31/10		.00	13,859.26-	.00	
WO	70	107.20	PLEL	00	01		1	06/30/10		.00	89,973.01	.00	
WO	71	108.80	PLEL	00	01		1	06/30/10		.00	13,331.89-	.00	
WO	70	107.20	PLEL	00	01		1	07/31/10		.00	71,571.07	.00	
WO	71	108.80	PLEL	00	01		1	07/31/10		.00	9,977.98-	.00	
WO	70	107.20	PLEL	00	01		1	08/31/10		.00	63,704.89	.00	
WO	71	108.80	PLEL	00	01		1	08/31/10		.00	16,503.98-	.00	
WO	70	107.20	PLEL	00	01		1	09/30/10		.00	71,296.23	.00	
WO	71	108.80	PLEL	00	01		1	09/30/10		.00	15,604.47-	.00	

NUMBER OF RECORDS FOUND - 26

TOTAL QTY .00  
 TOTAL DEBIT 20,826,609.10  
 TOTAL CREDIT 152,362.39-  
 NET BALANCE 20,674,246.71

SO	TR	RACCT	ITEM ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	107.30	99006190	1603		1200	10/31/09		3.00	455.07	.00	SJ00 28
JE	40	107.30	99006190	1603		1200	10/31/09		.00	85.86	.00	SJ00 28
JE	40	107.30	99006200	1603		1200	10/31/09		.00	85.86	.00	SJ00 28
JE	40	107.30	99006189	1603		1200	10/31/09		1.00	533.32	.00	SJ00 28
JE	40	108.60	99006020	1603		1200	10/31/09		1.00	.00	17.42	SJ00 29
JE	40	108.60	99006070	1603		1200	10/31/09		280.00	.00	11,331.60	SJ00 29
JE	40	108.60	99006110	1603		1200	10/31/09		3.00	.00	1,298.17	SJ00 29
JE	40	108.60	99006130	1603		1200	10/31/09		7.00	.00	1,412.88	SJ00 29
JE	40	108.60	99006140	1603		1200	10/31/09		1.00	.00	245.06	SJ00 29
JE	40	108.60	99006144	1603		1200	10/31/09		3.00	.00	695.22	SJ00 29
JE	40	108.60	99006190	1603		1200	10/31/09		3.00	.00	242.67	SJ00 29
JE	40	107.30	99006190	1603		1200	11/30/09		12.00	1,559.52	.00	SJ00 28
JE	40	107.30	99006200	1806		1200	11/30/09		6.00	1,377.60	.00	SJ00 28
JE	40	107.30	99006190	1806		1200	11/30/09		3.00	455.07	.00	SJ00 28
JE	40	107.30	99006174	1806		1200	11/30/09		7.00	909.20	.00	SJ00 28
JE	40	108.60	99006020	1603		1200	11/30/09		1.00	.00	17.42	SJ00 29
JE	40	108.60	99006070	1603		1200	11/30/09		8.00	.00	323.76	SJ00 29
JE	40	108.60	99006130	1603		1200	11/30/09		2.00	.00	403.68	SJ00 29
JE	40	107.30	99006142	1603		2018	11/30/09		152.00	.00	40,573.00	JE 10124
JE	40	108.60	99006020	1603		1200	12/31/09		1.00	40,573.00	.00	JE 10124
JE	40	108.60	99006070	1603		1200	12/31/09		154.00	.00	17.42	SJ00 29
JE	40	108.60	99006110	1603		1200	12/31/09		8.00	.00	6,232.38	SJ00 29
JE	40	108.60	99006130	1603		1200	12/31/09		2.00	.00	795.12	SJ00 29
JE	40	107.30	99006109	1603		1200	12/31/09		10.00	.00	403.66	SJ00 29
JE	40	107.30	99006110	1603		1200	12/31/09		.00	2,674.60	.00	SJ00 28
JE	40	107.30	99006190	1603		1200	12/31/09		.00	95.40	.00	SJ00 28
JE	40	107.30	99006110	1603		1200	12/31/09		48.00	2,167.30	.00	SJ00 28
JE	40	107.30	99006200	1603		1200	12/31/09		1.00	233.88	.00	SJ00 28
JE	40	107.30	99006174	1603		1200	12/31/09		6.00	1,377.60	.00	SJ00 28
BE	99	370.00	BYBA 00 01			1200	12/31/09		.00	4,445.20	.00	SJ00 28
JE	40	107.30	99006174	1603		2018	01/31/10		7.00	1,172.08	.00	SJ00 28
JE	40	107.30	99006190	1603		2018	01/31/10		3.00	1,455.07	.00	SJ00 28
JE	40	107.30	99006230	1603		2018	01/31/10		12.00	1,669.92	.00	SJ00 28
JE	40	107.30	99006190	1603		2018	01/31/10		12.00	1,394.16	.00	SJ00 28
JE	40	107.30	99006200	1603		2018	01/31/10		12.00	2,755.20	.00	SJ00 28
JE	40	107.30	99006190	1603		2018	01/31/10		.00	85.86	.00	SJ00 28
JE	40	107.30	99006200	1603		2018	01/31/10		.00	85.86	.00	SJ00 28
JE	40	107.30	99006174	1603		2018	01/31/10		12.00	1,551.36	.00	SJ00 28
JE	40	107.30	99006175	1603		2018	01/31/10		4.00	362.72	.00	SJ00 28
JE	40	108.60	99006070	1603		2018	01/31/10		238.00	.00	9,631.86	SJ00 29
JE	40	108.60	99006100	1603		2018	01/31/10		1.00	.00	102.51	SJ00 29
JE	40	108.60	99006140	1603		2018	01/31/10		2.00	.00	490.12	SJ00 29
JE	40	108.60	99006141	1603		2018	01/31/10		1.00	.00	291.61	SJ00 29
JE	40	108.60	99006190	1603		2018	01/31/10		3.00	.00	243.93	SJ00 29
JE	40	108.60	99006070	1603		2018	02/28/10		224.00	.00	9,065.28	SJ00 29
JE	40	108.60	99006100	1603		2018	02/28/10		1.00	.00	102.51	SJ00 29
JE	40	108.60	99006110	1603		2018	02/28/10		1.00	.00	98.16	SJ00 29
JE	40	108.60	99006130	1603		2018	02/28/10		2.00	.00	403.68	SJ00 29
JE	40	108.60	99006140	1603		2018	02/28/10		10.00	.00	2,450.60	SJ00 29
JE	40	108.60	99006190	1603		2018	02/28/10		7.00	.00	570.99	SJ00 29

BEG YEAR BALANCE FORWARD

SO	TR	RACCT	ITEM ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	108.60	99006030	1603		2018	03/31/10		2.00-	.00	208.62-	SJ00 29
JE	40	108.60	99006050	1603		2018	03/31/10		1.00-	.00	100.95-	SJ00 29
JE	40	108.60	99006070	1603		2018	03/31/10		166.00-	.00	6,718.02-	SJ00 29
JE	40	108.60	99006090	1603		2018	03/31/10		2.00-	.00	133.82-	SJ00 29
JE	40	108.60	99006100	1603		2018	03/31/10		3.00-	.00	307.53-	SJ00 29
JE	40	108.60	99006110	1603		2018	03/31/10		4.00-	.00	392.64-	SJ00 29
JE	40	108.60	99006120	1603		2018	03/31/10		1.00-	.00	87.42-	SJ00 29
JE	40	108.60	99006020	1603		2018	04/30/10		2.00-	.00	34.84-	SJ00 29
JE	40	108.60	99006030	1603		2018	04/30/10		1.00-	.00	104.31-	SJ00 29
JE	40	108.60	99006070	1603		2018	04/30/10		292.00-	.00	11,817.24-	SJ00 29
JE	40	108.60	99006130	1603		2018	04/30/10		2.00-	.00	403.66-	SJ00 29
JE	40	108.60	99006140	1603		2018	04/30/10		4.00-	.00	980.24-	SJ00 29
JE	40	108.60	99006200	1603		2018	04/30/10		1.00-	.00	187.21-	SJ00 29
JE	40	107.30	99006190	1603		2018	04/30/10		3.00	389.88	.00	SJ00 28
JE	40	107.30	99006200	1603		2018	04/30/10		.00	95.40	.00	SJ00 28
JE	40	107.30	99006200	1603		2018	04/30/10		.00	95.40	.00	SJ00 28
JE	40	107.30	99006174	1603		2018	04/30/10		12.00	2,059.53	.00	SJ00 28
JE	40	107.30	99006174	1603		2018	04/30/10		24.00	3,102.72	.00	SJ00 28
JE	40	108.60	99006050	1603		2018	05/31/10		20.00-	.00	2,019.00-	SJ00 29
JE	40	108.60	99006070	1603		2018	05/31/10		299.00-	.00	12,100.53-	SJ00 29
JE	40	108.60	99006100	1603		2018	05/31/10		5.00-	.00	512.55-	SJ00 29
JE	40	108.60	99006140	1603		2018	05/31/10		33.00-	.00	8,086.98-	SJ00 29
JE	40	108.60	99006144	1603		2018	05/31/10		16.00-	.00	3,707.84-	SJ00 29
JE	40	107.30	99006190	1603		2018	05/31/10		10.00	1,161.80	.00	SJ00 28
JE	40	107.30	99006174	1603		2018	05/31/10		24.00	3,102.72	.00	SJ00 28
JE	40	108.60	99006020	1603		2018	06/30/10		2.00-	.00	17.42-	SJ00 29
JE	40	108.60	99006050	1603		2018	06/30/10		6.00-	.00	540.50-	SJ00 29
JE	40	108.60	99006070	1603		2018	06/30/10		775.00-	.00	605.70-	SJ00 29
JE	40	108.60	99006100	1603		2018	06/30/10		9.00-	.00	31,364.25-	SJ00 29
JE	40	108.60	99006110	1603		2018	06/30/10		5.00-	.00	922.59-	SJ00 29
JE	40	108.60	99006120	1603		2018	06/30/10		1.00-	.00	490.80-	SJ00 29
JE	40	108.60	99006140	1603		2018	06/30/10		24.00-	.00	87.42-	SJ00 29
JE	40	108.60	99006141	1603		2018	06/30/10		8.00-	.00	5,881.44-	SJ00 29
JE	40	108.60	99006144	1603		2018	06/30/10		39.00-	.00	2,332.88-	SJ00 29
JE	40	108.60	99006190	1603		2018	06/30/10		5.00-	.00	9,037.86-	SJ00 29
JE	40	108.60	99006200	1603		2018	06/30/10		2.00-	.00	409.00-	SJ00 29
JE	40	107.30	99006160	1603		2018	06/30/10		24.00-	.00	374.60-	SJ00 29
JE	40	107.30	99006175	1603		2018	06/30/10		24.00-	.00	2,176.32-	JE 10243
JE	40	107.30	99006190	1603		2018	06/30/10		3.00	2,176.32	.00	JE 10243
JE	40	108.60	99006070	1603		2018	07/31/10		5.00-	.00	87.10-	SJ00 29
JE	40	108.60	99006070	1603		2018	07/31/10		3618.00-	.00	146,420.46-	SJ00 29
JE	40	108.60	99006110	1603		2018	07/31/10		95.00-	.00	9,325.20-	SJ00 29
JE	40	108.60	99006140	1603		2018	07/31/10		44.00-	.00	10,782.64-	SJ00 29
JE	40	108.60	99006141	1603		2018	07/31/10		2.00-	.00	583.22-	SJ00 29
JE	40	108.60	99006144	1603		2018	07/31/10		26.00-	.00	6,025.50-	SJ00 29
JE	40	107.30	99006190	1603		2018	07/31/10		2.00	234.36	.00	SJ00 27
JE	40	108.60	99006030	1603		2018	08/31/10		1.00-	.00	104.31-	SJ00 29
JE	40	108.60	99006040	1603		2018	08/31/10		1.00-	.00	270.25-	SJ00 29
JE	40	108.60	99006050	1603		2018	08/31/10		17.00-	.00	1,716.15-	SJ00 29

SO	TR	RACCT	ITEM ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	108.60	99006060	1603		2018	08/31/10		2.00-	.00	101.80-	ST00 29
JE	40	108.60	99006070	1603		2018	08/31/10		1342.00-	.00	54,310.74-	ST00 29
JE	40	108.60	99006090	1603		2018	08/31/10		1.00-	.00	66.91-	ST00 29
JE	40	108.60	99006100	1603		2018	08/31/10		4.00-	.00	410.04-	ST00 29
JE	40	108.60	99006110	1603		2018	08/31/10		14.00-	.00	1,374.24-	ST00 29
JE	40	108.60	99006120	1603		2018	08/31/10		27.00-	.00	2,360.34-	ST00 29
JE	40	108.60	99006130	1603		2018	08/31/10		29.00-	.00	5,853.36-	ST00 29
JE	40	108.60	99006140	1603		2018	08/31/10		17.00-	.00	17,154.20-	ST00 29
JE	40	108.60	99006144	1603		2018	08/31/10		3.00-	.00	3,939.58-	ST00 29
JE	40	108.60	99006200	1606		2018	08/31/10		3.00-	.00	561.90-	ST00 29
JE	40	107.30	99006190	1603		2018	09/30/10		3.00-	458.07	.00	ST00 28
JE	40	108.60	99006050	1603		2018	09/30/10		13.00-	.00	1,312.35-	ST00 29
JE	40	108.60	99006070	1603		2018	09/30/10		2433.00-	.00	98,463.51-	ST00 29
JE	40	108.60	99006109	1603		2018	09/30/10		78.00-	.00	14,331.72-	ST00 29
JE	40	108.60	99006110	1603		2018	09/30/10		13.00-	.00	1,276.08-	ST00 29
JE	40	108.60	99006140	1603		2018	09/30/10		13.00-	.00	3,185.65-	ST00 29
JE	40	108.60	99006190	1603		2018	09/30/10		1.00-	.00	81.90-	ST00 29
JE	40	107.30	99006190	1603		2018	09/30/10		3.00-	458.07	.00	ST00 28
JE	40	108.60	99006109	1603		2018	09/30/10		52.00-	.00	9,544.08-	JE 10306
JE	40	108.60	99006130	1603		2018	09/30/10		52.00	10,437.90	.00	JE 10306

NUMBER OF RECORDS FOUND - 122

TOTAL QTY 10,297.00-

TOTAL DEBIT 4,636,773.57

TOTAL CREDIT 578,248.12-

NET BALANCE 4,058,525.45

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	107.30	99105030	1603			2018	08/31/10			1000.00	174,050.00	.00	ST00 42
JE	40	107.30	99105030	1603			2018	08/31/10			1000.00-	.00	174,050.00-	ST00 42
JE	40	107.30	99105010	1603			2018	08/31/10	P		5.00	912.65	.00	ST00 42
JE	40	107.30	99105020	1603			2018	08/31/10	P		2036.00	248,615.96	.00	ST00 42
JE	40	107.30	99105030	1603			2018	08/31/10	P		155.00	26,977.75	.00	ST00 42
JE	40	107.30	99105050	1603			2018	08/31/10	P		12.00	2,088.60	.00	ST00 42
JE	40	107.30	99105060	1603			2018	08/31/10	P		6.00	1,044.30	.00	ST00 42
JE	40	107.30	99105070	1603			2018	08/31/10	P		2.00	413.82	.00	ST00 42
JE	40	107.30	99105400	1603			2018	08/31/10	P		231.00	41,626.20	.00	ST00 42
JE	40	107.30	99105410	1603			2018	08/31/10	P		661.00	95,514.50	.00	ST00 42
JE	40	143.42	99105010	1603			2018	08/31/10	P		.00	.00	456.33-	AREC 00
JE	40	143.42	99105020	1603			2018	08/31/10	P		.00	.00	124,307.98-	AREC 00
JE	40	143.42	99105030	1603			2018	08/31/10	P		.00	.00	13,488.88-	AREC 00
JE	40	143.42	99105050	1603			2018	08/31/10	P		.00	.00	1,044.30-	AREC 00
JE	40	143.42	99105060	1603			2018	08/31/10	P		.00	.00	522.15-	AREC 00
JE	40	143.42	99105070	1603			2018	08/31/10	P		.00	.00	206.91-	AREC 00
JE	40	143.42	99105410	1603			2018	08/31/10	P		.00	.00	20,813.10-	AREC 00
JE	40	107.30	99105010	1603			2018	08/31/10	P		2.00	365.06	.00	JE 10295
JE	40	107.30	99105020	1603			2018	08/31/10	P		537.00	65,573.07	.00	JE 10295
JE	40	143.42	99105030	1603			2018	08/31/10	P		.00	.00	32,786.54-	JE 10295
JE	40	143.42	99105050	1603			2018	08/31/10	P		.00	.00	5,134.48-	JE 10295
JE	40	143.42	99105060	1603			2018	08/31/10	P		.00	.00	435.13-	JE 10295
JE	40	143.42	99105070	1603			2018	08/31/10	P		.00	.00	174.05-	JE 10295
JE	40	143.42	99105400	1603			2018	08/31/10	P		.00	.00	103.46-	JE 10295
JE	40	143.42	99105410	1603			2018	08/31/10	P		.00	.00	6,397.10-	JE 10295
JE	40	107.30	99105010	1603			2018	08/31/10	P		.00	.00	14,594.50-	JE 10295
JE	40	107.30	99105020	1603			2018	08/31/10	P		6.00	1,095.18	.00	JE 10295
JE	40	107.30	99105030	1603			2018	08/31/10	P		2465.00	301,001.15	.00	JE 10295
JE	40	107.30	99105050	1603			2018	08/31/10	P		188.00	32,721.40	.00	JE 10295
JE	40	107.30	99105060	1603			2018	08/31/10	P		15.00	2,610.75	.00	JE 10295
JE	40	107.30	99105070	1603			2018	08/31/10	P		8.00	1,392.40	.00	JE 10295
JE	40	107.30	99105400	1603			2018	08/31/10	P		2.00	413.82	.00	JE 10295
JE	40	107.30	99105410	1603			2018	08/31/10	P		281.00	50,636.20	.00	JE 10295
JE	40	143.42	99105010	1603			2018	08/31/10	P		.00	802.00	.00	115,889.00
JE	40	143.42	99105020	1603			2018	08/31/10	P		.00	.00	.00	547.59-
JE	40	143.42	99105030	1603			2018	08/31/10	P		.00	.00	150,500.58-	JE 10295
JE	40	143.42	99105050	1603			2018	08/31/10	P		.00	.00	16,360.70-	JE 10295
JE	40	143.42	99105060	1603			2018	08/31/10	P		.00	.00	1,305.38-	JE 10295
JE	40	143.42	99105070	1603			2018	08/31/10	P		.00	.00	696.20-	JE 10295
JE	40	143.42	99105400	1603			2018	08/31/10	P		.00	.00	206.91-	JE 10295
JE	40	143.42	99105410	1603			2018	08/31/10	P		.00	.00	25,318.10-	JE 10295
JE	40	107.30	99105010	1603			2018	08/31/10	P		6.00	1,095.18	.00	JE 10295

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	107.30	99105020	1603			2018	08/31/10	P		168	2748.00	335,558.28	.00 JE 10295
JE	40	107.30	99105030	1603			2018	08/31/10	P		168	209.00	36,376.45	.00 JE 10295
JE	40	107.30	99105050	1603			2018	08/31/10	P		168	17.00	2,958.85	.00 JE 10295
JE	40	107.30	99105060	1603			2018	08/31/10	P		168	8.00	1,392.40	.00 JE 10295
JE	40	107.30	99105070	1603			2018	08/31/10	P		168	2.00	413.82	.00 JE 10295
JE	40	107.30	99105400	1603			2018	08/31/10	P		168	313.00	56,402.60	.00 JE 10295
JE	40	107.30	99105410	1603			2018	08/31/10	P		168	893.00	129,038.50	.00 JE 10295
JE	40	143.42	99105010	1603			2018	08/31/10	P		168	.00	.00	547.59- JE 10295
JE	40	143.42	99105020	1603			2018	08/31/10	P		168	.00	.00	167,779.14- JE 10295
JE	40	143.42	99105030	1603			2018	08/31/10	P		168	.00	.00	18,188.23- JE 10295
JE	40	143.42	99105050	1603			2018	08/31/10	P		168	.00	.00	1,479.43- JE 10295
JE	40	143.42	99105060	1603			2018	08/31/10	P		168	.00	.00	696.20- JE 10295
JE	40	143.42	99105070	1603			2018	08/31/10	P		168	.00	.00	206.91- JE 10295
JE	40	143.42	99105400	1603			2018	08/31/10	P		168	.00	.00	28,201.30- JE 10295
JE	40	143.42	99105410	1603			2018	08/31/10	P		168	.00	.00	64,519.25- JE 10295
JE	40	107.30	99105010	1603			1200	09/30/10	P		168	5.00	912.65	.00 SJ00 42
JE	40	107.30	99105020	1603			1200	09/30/10	P		168	2672.00	326,277.92	.00 SJ00 42
JE	40	107.30	99105030	1603			1200	09/30/10	P		168	166.00	28,892.30	.00 SJ00 42
JE	40	107.30	99105050	1603			1200	09/30/10	P		168	13.00	2,262.65	.00 SJ00 42
JE	40	107.30	99105060	1603			1200	09/30/10	P		168	7.00	1,218.35	.00 SJ00 42
JE	40	107.30	99105070	1603			1200	09/30/10	P		168	2.00	413.82	.00 SJ00 42
JE	40	143.42	99105400	1603			1200	09/30/10	P		168	297.00	53,519.40	.00 SJ00 42
JE	40	143.42	99105010	1603			1200	09/30/10	P		168	.00	.00	456.33- AREC 00
JE	40	143.42	99105020	1603			1200	09/30/10	P		168	.00	.00	163,138.96- AREC 00
JE	40	143.42	99105030	1603			1200	09/30/10	P		168	.00	.00	14,446.15- AREC 00
JE	40	143.42	99105050	1603			1200	09/30/10	P		168	.00	.00	1,131.33- AREC 00
JE	40	143.42	99105060	1603			1200	09/30/10	P		168	.00	.00	609.18- AREC 00
JE	40	143.42	99105070	1603			1200	09/30/10	P		168	.00	.00	206.91- AREC 00
JE	40	143.42	99105400	1603			1200	09/30/10	P		168	.00	.00	26,759.70- AREC 00

NUMBER OF RECORDS FOUND - 80

TOTAL QTY 15,112.00  
 TOTAL DEBIT 2,193,352.39  
 TOTAL CREDIT 1,183,701.26-  
 NET BALANCE 1,009,651.13

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/T/SK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	107.30	99105150	1603			2018	08/31/10	P		96.00	54,864.00	.00	SJ00 42
JE	40	107.30	99105180	1603			2018	08/31/10	P		96.00	47,443.20	.00	SJ00 42
JE	40	107.30	99105240	1603			2018	08/31/10	P		96.00	55,881.60	.00	SJ00 42
JE	40	107.30	99105190	1603			2018	08/31/10	P		24.00	12,496.80	.00	SJ00 42
JE	40	107.30	99105150	1603			2018	08/31/10	P		96.00	.00	54,864.00-	SJ00 42
JE	40	107.30	99105180	1603			2018	08/31/10	P		96.00	.00	47,443.20-	SJ00 42
JE	40	107.30	99105240	1603			2018	08/31/10	P		96.00	.00	55,881.60-	SJ00 42
JE	40	107.30	99105240	1603			2018	08/31/10	P		24.00	.00	12,496.80-	SJ00 42
JE	40	107.30	99105190	1603			2018	08/31/10	P		19.00	.00	10,858.50	SJ00 42
JE	40	107.30	99105180	1603			2018	08/31/10	P		25.00	.00	12,355.00	SJ00 42
JE	40	107.30	99105190	1603			2018	08/31/10	P		8.00	.00	4,165.60	SJ00 42
JE	40	107.30	99105200	1603			2018	08/31/10	P		2.00	.00	968.20	SJ00 42
JE	40	107.30	99105220	1603			2018	08/31/10	P		1.00	.00	582.10	SJ00 42
JE	40	107.30	99105240	1603			2018	08/31/10	P		25.00	.00	14,552.50	SJ00 42
JE	40	143.42	99105150	1603			2018	08/31/10	P		.00	.00	.00	SJ00 42
JE	40	143.42	99105180	1603			2018	08/31/10	P		.00	.00	.00	SJ00 42
JE	40	143.42	99105190	1603			2018	08/31/10	P		8.00-	.00	.00	SJ00 42
JE	40	143.42	99105200	1603			2018	08/31/10	P		8.00-	.00	.00	SJ00 42
JE	40	143.42	99105220	1603			2018	08/31/10	P		.00	.00	.00	SJ00 42
JE	40	143.42	99105240	1603			2018	08/31/10	P		.00	.00	.00	SJ00 42
JE	40	107.30	99105150	1603			2018	08/31/10	P		.00	.00	.00	SJ00 42
JE	40	107.30	99105180	1603			2018	08/31/10	P		21.00	11,890.20	.00	JE 10295
JE	40	107.30	99105190	1603			2018	08/31/10	P		28.00	13,837.60	.00	JE 10295
JE	40	107.30	99105200	1603			2018	08/31/10	P		9.00	4,686.30	.00	JE 10295
JE	40	107.30	99105220	1603			2018	08/31/10	P		2.00	968.20	.00	JE 10295
JE	40	107.30	99105240	1603			2018	08/31/10	P		7.00	4,074.70	.00	JE 10295
JE	40	143.42	99105150	1603			2018	08/31/10	P		29.00	16,880.90	.00	JE 10295
JE	40	143.42	99105180	1603			2018	08/31/10	P		.00	.00	.00	JE 10295
JE	40	143.42	99105190	1603			2018	08/31/10	P		.00	.00	.00	JE 10295
JE	40	143.42	99105200	1603			2018	08/31/10	P		.00	.00	.00	JE 10295
JE	40	143.42	99105220	1603			2018	08/31/10	P		.00	.00	.00	JE 10295
JE	40	143.42	99105240	1603			2018	08/31/10	P		.00	.00	.00	JE 10295
JE	40	107.30	99105150	1603			2018	08/31/10	P		23.00	13,022.60	.00	JE 10295
JE	40	107.30	99105180	1603			2018	08/31/10	P		30.00	14,826.00	.00	JE 10295
JE	40	107.30	99105190	1603			2018	08/31/10	P		9.00	4,686.30	.00	JE 10295
JE	40	107.30	99105200	1603			2018	08/31/10	P		2.00	968.20	.00	JE 10295
JE	40	107.30	99105220	1603			2018	08/31/10	P		8.00	4,656.80	.00	JE 10295
JE	40	107.30	99105240	1603			2018	08/31/10	P		30.00	17,463.00	.00	JE 10295
JE	40	143.42	99105150	1603			2018	08/31/10	P		.00	.00	.00	JE 10295
JE	40	143.42	99105180	1603			2018	08/31/10	P		.00	.00	.00	JE 10295
JE	40	143.42	99105190	1603			2018	08/31/10	P		.00	.00	.00	JE 10295
JE	40	143.42	99105200	1603			2018	08/31/10	P		.00	.00	.00	JE 10295
JE	40	143.42	99105220	1603			2018	08/31/10	P		.00	.00	.00	JE 10295
JE	40	143.42	99105240	1603			2018	08/31/10	P		.00	.00	.00	JE 10295
JE	40	107.30	99105150	1603			2018	08/31/10	P		25.00	14,155.00	.00	JE 10295
JE	40	107.30	99105180	1603			2018	08/31/10	P		34.00	16,802.80	.00	JE 10295
JE	40	107.30	99105190	1603			2018	08/31/10	P		11.00	5,727.70	.00	JE 10295
JE	40	107.30	99105200	1603			2018	08/31/10	P		2.00	968.20	.00	JE 10295
JE	40	107.30	99105220	1603			2018	08/31/10	P		8.00	4,656.80	.00	JE 10295
JE	40	107.30	99105240	1603			2018	08/31/10	P		34.00	19,791.40	.00	JE 10295
JE	40	143.42	99105150	1603			2018	08/31/10	P		.00	.00	7,077.50-	JE 10295



SOUTH KENTUCKY RECC  
 PRG. ACCRANAL (ANLA)

ACCOUNT ANALYSIS  
 FOR ACCT: 370.03 METERS - AMR(COMMERCIAL)  
 DATE RANGE FROM 10/01/09 TO 09/30/10

PAGE 2  
 RUN DATE 09/06/11 03:24 PM

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	40	143.42	99105180	1603			2018	08/31/10	P		168	.00	8,401.40-	JE 10295
JE	40	143.42	99105190	1603			2018	08/31/10	P		168	.00	2,863.85-	JE 10295
JE	40	143.42	99105200	1603			2018	08/31/10	P		168	.00	484.10-	JE 10295
JE	40	143.42	99105220	1603			2018	08/31/10	P		168	.00	2,328.40-	JE 10295
JE	40	143.42	99105240	1603			2018	08/31/10	P		168	.00	9,895.70-	JE 10295
JE	40	143.42	99105190	1603			1200	08/31/10	P		168	.00	2,082.80	AREC 00
JE	40	143.42	99105200	1603			1200	08/31/10	P		168	.00	484.10	AREC 00
JE	40	143.42	99105190	1603			1200	08/31/10	P		168	.00	2,082.80-	AREC 00
JE	40	143.42	99105200	1603			1200	08/31/10	P		168	.00	484.10-	AREC 00
JE	40	107.30	99105150	1603			1200	09/30/10	P		168	.00	11,430.00	SJ00 42
JE	40	107.30	99105180	1603			1200	09/30/10	P		168	.00	13,343.00	SJ00 42
JE	40	107.30	99105190	1603			1200	09/30/10	P		168	.00	4,165.00	SJ00 42
JE	40	107.30	99105200	1603			1200	09/30/10	P		168	.00	968.20	SJ00 42
JE	40	107.30	99105240	1603			1200	09/30/10	P		168	.00	15,716.70	SJ00 42
JE	40	143.42	99105150	1603			1200	09/30/10	P		168	.00	5,715.00-	AREC 00
JE	40	143.42	99105180	1603			1200	09/30/10	P		168	.00	6,571.50-	AREC 00
JE	40	143.42	99105190	1603			1200	09/30/10	P		168	.00	2,082.50-	AREC 00
JE	40	143.42	99105200	1603			1200	09/30/10	P		168	.00	484.10-	AREC 00
JE	40	143.42	99105240	1603			1200	09/30/10	P		168	.00	7,858.35-	AREC 00

NUMBER OF RECORDS FOUND - 70

TOTAL QTY 476.00  
 TOTAL DEBIT 432,420.00  
 TOTAL CREDIT 302,836.25-  
 NET BALANCE 129,583.75

SO	TR	RACCT	ITEM ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
AP	1	232.00	99106010	1805		2182	06/30/10	VN 33304306	.00	40,545.00	.00	AMR - COMPUTER SOFTWARE& LICENSE
AP	1	232.00	99106010	1805		2182	06/30/10	VN 33304306	.00	21,200.00	.00	AMR - COMPUTER SOFTWARE& LICENSE
AP	1	232.00	99106010	1805		2182	06/30/10	VN 33304306	.00	84,270.00	.00	AMR - COMPUTER SOFTWARE& LICENSE
AP	1	232.00	99106000	1809		2182	06/30/10	VN 33304306	.00	19,450.79	.00	AMR - COMPUTER SERVER-DELL 100
AP	1	232.00	99106010	1805		2182	06/30/10	VN 33304306	.00	.00	.00	AMR - COMPUTER SOFTWARE& LICENSE
AP	1	232.00	99106010	1805		2182	06/30/10	VN 33304306	.00	40,545.00	.00	AMR - COMPUTER SOFTWARE& LICENSE
AP	1	232.00	99106010	1805		2182	06/30/10	VN 33304306	.00	.00	.00	AMR - COMPUTER SOFTWARE& LICENSE
AP	1	232.00	99106010	1805		2182	06/30/10	VN 33304306	.00	21,200.00	.00	AMR - COMPUTER SOFTWARE& LICENSE
AP	1	232.00	99106010	1805		2182	06/30/10	VN 33304306	.00	.00	.00	AMR - COMPUTER SOFTWARE& LICENSE
AP	1	232.00	99106010	1805		2182	06/30/10	VN 33304306	.00	84,270.00	.00	AMR - COMPUTER SOFTWARE& LICENSE
AP	1	232.00	99106000	1809		1809	07/15/10	VN 33304306	.00	4,423.91	.00	AMR - COMPUTER SERVER-DELL 100
AP	1	232.00	99106000	1809		2182	07/15/10	VN 33304306	.00	.00	.00	AMR - COMPUTER SERVER-DELL 100
AP	1	232.00	99106000	1809		1809	07/15/10	VN 33304306	.00	4,423.91	.00	AMR - COMPUTER SERVER-DELL 100
AP	1	232.00	99106020	1809		2018	07/29/10	VN 33304299	1.00	6,572.82	.00	AMR - ETHERNET ROUTING SWITCH
JE	40	107.30	99106000	1809		11	08/31/10		.00	.00	4,423.91-	JE 10287
JE	40	107.30	99106050	1809		11	08/31/10		1.00	4,423.91	.00	JE 10287
JE	40	184.21	99106030	1809		11	08/31/10		1.00	2,026.58	.00	JE 10289
JE	40	184.21	99106040	1809		11	08/31/10		1.00	4,851.27	.00	JE 10289
JE	40	184.21	99106060	1809		11	08/31/10		1.00	3,296.72	.00	JE 10289
JE	40	184.21	99106070	1809		11	08/31/10		1.00	3,296.72	.00	JE 10289
JE	40	184.21	99106080	1809		11	08/31/10		1.00	3,296.72	.00	JE 10289
JE	40	184.21	99106090	1809		11	08/31/10		1.00	3,296.72	.00	JE 10289
JE	40	184.21	99106100	1809		11	08/31/10		1.00	3,296.72	.00	JE 10289
JE	40	184.21	99106110	1809		11	08/31/10		1.00	3,296.72	.00	JE 10289
JE	40	184.21	99106120	1809		11	08/31/10		1.00	2,644.70	.00	JE 10289
JE	40	184.21	99106130	1809		11	08/31/10		1.00	2,644.70	.00	JE 10289
JE	40	184.21	99106140	1809		11	08/31/10		1.00	2,644.70	.00	JE 10289
JE	40	184.21	99106150	1809		11	08/31/10		1.00	2,644.70	.00	JE 10289
JE	40	184.21	99106160	1809		11	08/31/10		1.00	2,644.70	.00	JE 10289
JE	40	184.21	99106170	1809		11	08/31/10		1.00	2,644.70	.00	JE 10289
JE	40	184.21	99106180	1606		11	08/31/10		1.00	706.36	.00	JE 10292
JE	40	184.21	99106180	1606		11	08/31/10		1.00	.00	706.36-	JE 10292
JE	40	184.21	99106180	1606		11	08/31/10		1.00	748.76	.00	JE 10292

NUMBER OF RECORDS FOUND - 33

TOTAL QTY 17.00  
 TOTAL DEBIT 375,306.83  
 TOTAL CREDIT 155,569.18  
 NET BALANCE 219,737.65

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
WO	70	107.20	PLEL	00	01		1	10/31/09		.00	25,515.63	.00	
WO	71	108.80	PLEL	00	01		1	10/31/09		.00	.00	6,027.06-	
WO	70	107.20	PLEL	00	01		1	11/30/09		.00	25,589.68	.00	
WO	71	108.80	PLEL	00	01		1	11/30/09		.00	.00	8,188.72-	
WO	70	107.20	PLEL	00	01		1	12/31/09		.00	27,195.13	.00	
WO	71	108.80	PLEL	00	01		1	12/31/09	P	.00	131.05	.00	
WO	70	107.20	PLEL	00	01		1	12/31/09		.00	.00	7,291.77-	
WO	71	108.80	PLEL	00	01		1	12/31/09	P	.00	.00	137.59-	
BF	99	371.00	BYBA	00	01		1	01/01/10		.00	5,959,070.64	.00	BEG YEAR BALANCE FORWARD
WO	70	107.20	PLEL	00	01		1	01/31/10		.00	23,161.46	.00	
WO	71	108.80	PLEL	00	01		1	01/31/10		.00	.00	3,517.36-	
WO	70	107.20	PLEL	00	01		1	02/28/10		.00	23,121.45	.00	
WO	71	108.80	PLEL	00	01		1	02/28/10		.00	.00	6,274.79-	
WO	70	107.20	PLEL	00	01		1	03/31/10		.00	33,823.07	.00	
WO	71	108.80	PLEL	00	01		1	03/31/10		.00	.00	6,677.94-	
WO	70	107.20	PLEL	00	01		1	04/30/10		.00	27,372.10	.00	
WO	71	108.80	PLEL	00	01		1	04/30/10		.00	.00	9,169.09-	
WO	70	107.20	PLEL	00	01		1	05/31/10		.00	23,161.52	.00	
WO	71	108.80	PLEL	00	01		1	05/31/10		.00	.00	6,534.71-	
WO	70	107.20	PLEL	00	01		1	06/30/10		.00	24,606.87	.00	
WO	71	108.80	PLEL	00	01		1	06/30/10		.00	.00	8,589.11-	
WO	70	107.20	PLEL	00	01		1	07/31/10		.00	18,421.98	.00	
WO	71	108.80	PLEL	00	01		1	07/31/10		.00	.00	4,414.58-	
WO	70	107.20	PLEL	00	01		1	08/31/10		.00	26,599.42	.00	
WO	71	108.80	PLEL	00	01		1	08/31/10		.00	.00	6,951.61-	
WO	70	107.20	PLEL	00	01		1	09/30/10		.00	21,918.73	.00	
WO	71	108.80	PLEL	00	01		1	09/30/10		.00	.00	6,876.58-	

NUMBER OF RECORDS FOUND - 27

TOTAL QTY .00  
 TOTAL DEBIT 6,259,688.73  
 TOTAL CREDIT 80,650.91-  
 NET BALANCE 6,179,037.82

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
WO	70	107.20	PLEL	00	01		1	10/31/09			.00	6,366.47	.00	
WO	71	108.80	PLEL	00	01		1	10/31/09			.00	.00	1,577.81-	
WO	70	107.20	PLEL	00	01		1	11/30/09			.00	6,092.16	.00	
WO	71	108.80	PLEL	00	01		1	11/30/09			.00	.00	573.15-	
WO	70	107.20	PLEL	00	01		1	12/31/09			.00	6,430.11	.00	
WO	71	108.80	PLEL	00	01		1	12/31/09			.00	.00	893.41-	
BF	99	373.00	BYBA	00	01		1	01/01/10			.00	644,111.31	.00	BEG YEAR BALANCE FORWARD
WO	70	107.20	PLEL	00	01		1	01/31/10			.00	1,786.22	.00	
WO	71	108.80	PLEL	00	01		1	01/31/10			.00	.00	996.97-	
WO	70	107.20	PLEL	00	01		1	02/28/10			.00	2,724.77	.00	
WO	71	108.80	PLEL	00	01		1	02/28/10			.00	.00	1,082.33-	
WO	70	107.20	PLEL	00	01		1	03/31/10			.00	1,024.13	.00	
WO	71	108.80	PLEL	00	01		1	03/31/10			.00	.00	279.16-	
WO	70	107.20	PLEL	00	01		1	04/30/10			.00	349.52	.00	
WO	71	108.80	PLEL	00	01		1	04/30/10			.00	.00	559.66-	
WO	70	107.20	PLEL	00	01		1	05/31/10			.00	914.51	.00	
WO	71	108.80	PLEL	00	01		1	05/31/10			.00	.00	785.52-	
WO	70	107.20	PLEL	00	01		1	06/30/10			.00	2,215.00	.00	
WO	71	108.80	PLEL	00	01		1	06/30/10			.00	.00	722.24-	
WO	70	107.20	PLEL	00	01		1	08/31/10			.00	2,869.40	.00	
WO	71	108.80	PLEL	00	01		1	08/31/10			.00	.00	1,432.64-	
WO	70	107.20	PLEL	00	01		1	09/30/10			.00	493.38	.00	
WO	71	108.80	PLEL	00	01		1	09/30/10			.00	.00	559.92-	

NUMBER OF RECORDS FOUND - 23

TOTAL QTY .00  
 TOTAL DEBIT 675,376.98  
 TOTAL CREDIT 9,462.81-  
 NET BALANCE 665,914.17

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
BF	99	389.00	BYBA	00	01		1	01/01/10			.00	356,187.46	.00	BEG YEAR BALANCE FORWARD
JE	40	389.13	PLGN	11	1900		2018	08/31/10			.00	.00	12,947.90-	JE 10274-MEPB LAND-COLUMBIA AVE
JE	40	389.13	PLGN	11	1900		2018	08/31/10			.00	.00	100,000.00-	JE 10274-MEPB LAND-COLUMBIA AVE
JE	49	0.00	PLGN	20	1603		1100	09/30/10			.00	.00	29,127.00-	JE 10302 LAND-MAIN STREET

NUMBER OF RECORDS FOUND - 4 TOTAL QTY .00

TOTAL DEBIT 356,187.46  
 TOTAL CREDIT 142,074.90-  
 NET BALANCE 214,112.56

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	QTY	DEBIT	CREDIT	DESCRIPTION
AP	1	232.00	PLGN	11	1900			2018 11/17/09	VN 33304653	.00	1,560.00	.00	FENCING(OLD SALTS ROAD)
BF	99	389.10	BYBA	00	01			1 01/01/10		.00	1,203,660.36	.00	BEG YEAR BALANCE FORWARD

NUMBER OF RECORDS FOUND - 2

TOTAL QTY .00  
 TOTAL DEBIT 1,205,220.36  
 TOTAL CREDIT .00  
 NET BALANCE 1,205,220.36

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	QTY	DEBIT	CREDIT	DESCRIPTION
BF	99	389.11	BYBA	00	01			1 01/01/10	PJ/VHR/VND/VEH	.00	662,581.58	.00	BEG YEAR BALANCE FORWARD

NUMBER OF RECORDS FOUND - 1

TOTAL QTY .00  
 TOTAL DEBIT 662,581.58  
 TOTAL CREDIT .00  
 NET BALANCE 662,581.58

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	QTY	DEBIT	CREDIT	DESCRIPTION
BF	99	389.12	BYBA	00	01		1	01/01/10		.00	118,488.26	.00	BEG YEAR BALANCE FORWARD
JE	40	184.21	CASH	13	1603			2018 03/31/10		.00		28,600.00-	JE 10198-COMM OF KY-CLINTON PROP

NUMBER OF RECORDS FOUND - 2

TOTAL QTY .00  
 TOTAL DEBIT 118,488.26  
 TOTAL CREDIT 28,600.00-  
 NET BALANCE 89,888.26



SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
AP	1	232.00	MSAD	26	1902		2018	10/31/09	VN	33300628	.00	12,000.00	.00	DEMOLITION/DISPOSAL-RANKIN ST
AP	1	232.00	PLGN	11	1902		2018	11/10/09	VN	44411054	.00	148,774.13	.00	MONTICELLO PROPERTY-RANKIN
JE	40	131.10	PLGN	11	1702		2018	11/30/09	VN		.00		148,774.13-	JE10121-CK141101-PROCTOR RANKIN
AP	1	232.00	PLGN	11	1902		2018	12/10/09	VN	44411054	.00	149,000.00	.00	MONT PROPERTY-RANKIN
AP	1	232.00	PLGN	10	1902		2018	12/30/09	VN	33300628	.00	6,067.50	.00	GREGORY CONST-TREES REMOVED
AP	1	232.00	MSAD	32	1900		2018	12/31/09	VN	44407832	.00	170.00	.00	RANKIN-DEED RECORDING
BF	99	389.13	BYBA	00	01		1	01/01/10			.00	367,893.01	.00	BEG YEAR BALANCE FORWARD
JE	40	389.00	PLGN	11	1900		2018	08/31/10			.00	12,947.90	.00	JE 10274-MEPB LAND-COLUMBIA AVE
JE	40	389.00	PLGN	11	1900		2018	08/31/10			.00	100,000.00	.00	JE 10274-MEPB LAND-MAIN STREET

NUMBER OF RECORDS FOUND - 9 TOTAL QTY .00

TOTAL DEBIT 796,852.54  
 TOTAL CREDIT 148,774.13  
 NET BALANCE 648,078.41

SOUTH KENTUCKY RECC  
PRG. ACCTANAL (ANLA)

ACCOUNT ANALYSIS  
FOR ACCT: 389.14 LAND & LAND RIGHTS (RUSSELL SPRGS  
DATE RANGE FROM 10/01/09 TO 09/30/10

PAGE 1  
RUN DATE 09/06/11 03:24 PM

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	QTY	DEBIT	CREDIT	DESCRIPTION
BF	99	389.14	BYBA	00	01			10/01/10	PJ/VHR/VND/VEH	.00	294,772.64	.00	BEG YEAR BALANCE FORWARD

NUMBER OF RECORDS FOUND - 1

TOTAL QTY	.00
TOTAL DEBIT	294,772.64
TOTAL CREDIT	.00
NET BALANCE	294,772.64

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	56	184.21	GP390000	1714			2018	11/30/09	R V JE10120	.00	1,569.05	.00	RUSSELL SPRINGS OFFICE 2007
AP	1	232.00	GP390000	1808			2018	12/31/09	VN R 33300077 322	1.00	6,350.00	.00	TRANE-5 TON HEAT PUMP-DISPATC
JE	51	0.00	GP390000	1808			2018	12/31/09	R V JE10138 297	1.00-	.00	3,999.00-	HEATING/COOLING UNIT-DISPATC
JE	54	390.21	GP390000	1808			2018	01/31/10	R V JE10163 312	1.00	40,698.22	.00	ACCOUNTING REMODELLING
BF	99	390.00	BYBA	00	01		2018	01/31/10	R V 323	.00	9,353,233.63	.00	BEG YEAR BALANCE FORWARD
JE	56	390.21	GP390000	1808			2018	01/31/10	R V JE10163 312	.00	5.13	.00	ACCOUNTING REMODELLING 2009
JE	56	107.84	GP390000	1714			2018	01/31/10	R V JE10163 312	.00	992.58	.00	RUSSELL SPRINGS OFFICE 2007
JE	56	390.12	GP390000	1808			2018	02/28/10	R V JE10163 323	.00	172.85	.00	ACCOUNTING REMODELLING 2009
JE	51	0.00	GP390000	1808			2018	02/28/10	R V JE10177 143	1.00-	.00	2,289.66-	AIR CONDITIONING UNIT SCADA ROOM
AP	1	232.00	GP390000	1808			2018	04/22/10	VN R 33302516 324	1.00	1,495.66	.00	PAN FACE SIGN-SOM OFFICE
JE	51	0.00	GP390000	1808			2018	04/30/10	R V JE10213 321	1.00-	.00	1,400.00-	NEON SIGN @ SOMERSET
JE	56	184.21	GP390000	1808			2018	08/31/10	R V JE10283 158	.00	1,391.00	.00	ACCESS CONTROL SYSTEM-SOM
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 159	1.00-	.00	56,024.37-	CONSTRUC T ALBANY OFFICE BUILDING
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 160	1.00-	.00	786.76-	TRANSFORMER PLATFORM ALBANY
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 161	1.00-	.00	7,835.69-	ROOF AT ALBANY OFFICE
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 162	1.00-	.00	1,700.42-	ROOF AT ALBANY OFFICE
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 163	1.00-	.00	600.00-	ADDITIONAL WORK ON ALBANY ROOF
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 164	1.00-	.00	1,800.00-	AIR CONDITIONER
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 165	1.00-	.00	1,890.00-	AIR CONDITIONERS
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 166	1.00-	.00	791.00-	INSTALLATION OF METAL DOOR
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 167	1.00-	.00	9,335.09-	ALBANY GARAGE ADDITION
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 168	1.00-	.00	19,344.31-	ALBANY OFFICE REMODELLING-1990
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 169	1.00-	.00	19,151.19-	ALBANY HEAT SYSTEM
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 171	1.00-	.00	1,837.99-	SEWER LINE @ ALBANY
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 172	1.00-	.00	2,345.80-	METAL STORAGE BUILDING
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302 173	1.00-	.00	3,437.58-	STEPS/WIRING-METAL STOR BUILDING
JE	51	0.00	GP390000	1712			2018	09/17/10	R V JE10302	1.00-	.00	45,710.46-	ADA REMODELLING

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	51	0.00	GP390000	1712	1100	09/17/10	R		251 JE10302	1.00-	.00	6,486.84-	POLE YARD UPGRADE
JE	51	0.00	GP390000	1712	1100	09/17/10	R		260 JE10302	1.00-	.00	1,532.09-	ALBANY GARAGE REMODELING
JE	51	0.00	GP390000	1712	1100	09/17/10	R		264 JE10302	1.00-	.00	10,683.14-	FENCING POLE YARD-ALBANY
JE	51	0.00	GP390000	1712	1100	09/17/10	R		268 JE10302	1.00-	.00	18,948.41-	ALBANY OFFICE REMODELING
JE	51	0.00	GP390000	1712	1100	09/17/10	R		277 JE10302	1.00-	.00	462.34-	LIGHTPOLE-ALBANY
JE	51	0.00	GP390000	1712	1100	09/17/10	R		286 JE10302	1.00-	.00	616.47-	CHAINLINK FENCE(GENERATOR)
AP	1	232.00	GP390000	1806	2018	09/30/10	VN		33300077 R	1.00	3,950.00	.00	HEAT PUMP-MEMBER SERVICES
JE	51	0.00	GP390000	1712	2018	09/30/10	R		151 JE2452	1.00-	.00	.00	PURCHASE OF ALBANY OFF. BUILDING
JE	51	0.00	GP390000	1712	2182	09/30/10	R		153 JE2452	1.00-	.00	.00	NEON SIGN INSTALLED
JE	51	0.00	GP390000	1712	2182	09/30/10	R		154 JE2452	1.00-	.00	.00	MAINTENANCE ON OLD ALBANY OFFICE
JE	51	0.00	GP390000	1712	2182	09/30/10	R		155 JE2452	1.00-	.00	.00	HEATING SYSTEM @ ALBANY OFFICE
JE	51	0.00	GP390000	1712	2182	09/30/10	R		156 JE2452	1.00-	.00	.00	VENETIAN BLINDS
JE	51	0.00	GP390000	1712	2182	09/30/10	R		157 JE2452	1.00-	.00	.00	REMODELING @ OLD ALBANY OFFICE

NUMBER OF RECORDS FOUND - 40

TOTAL QTY 26.00-  
 TOTAL DEBIT 9,409,858.12  
 TOTAL CREDIT 219,008.61-  
 NET BALANCE 9,190,849.51

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
BF	99	390.12	BYBA	00	01		1	01/01/10			.00	172.85	.00	BEG YEAR BALANCE FORWARD
JE	56	390.00	GP3900000		1808			2018 02/28/10	R	323 JE10177	.00	.00	172.85-	ACCOUNTING REMODELING 2009

NUMBER OF RECORDS FOUND - 2

TOTAL QTY	.00
TOTAL DEBIT	172.85
TOTAL CREDIT	172.85-
NET BALANCE	.00

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
AP	10	242.20	ACLB	00	1808			2018 10/31/09	VN	1119	10/31/09	1,282.88	LABOR REGULAR
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	1,637.20	LABOR REGULAR
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	127.52	AIR FLO
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	1,823.00	LIGHT FIXTURES
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	144.10	CUMBERLAND ELECTRIC
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	134.99	CUMBERLAND ELECTRIC
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	55.65	CUMBERLAND ELECTRIC
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	107.39	CUMBERLAND ELECTRIC
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	15.65	STRUCTURES & IMPROVEMENTS
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	7.82	CUMBERLAND ELECTRIC
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	32.70	CUMBERLAND ELECTRIC
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	12.01	CUMBERLAND ELECTRIC
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	5.29	LUMBER KING
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	23.03	LUMBER KING
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	40.45	LUMBER KING
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	30.48	LUMBER KING
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1039	10/30/09	16.84	LUMBER KING
AP	1	242.20	ACLB	00	1808			2018 10/31/09	VN	1119	10/31/09	1,029.82	BENNETT CARPET
AP	10	242.20	ACLB	02	1808			2018 10/31/09	VN	1119	10/31/09	795.76	ACCRUED LABOR - MONTH END
AP	1	232.00	PLGN	09	1808			2018 10/31/09	VN	1119	10/31/09	174.49	ACCRUED LABOR (OT) - MONTH END
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1119	10/31/09	258.38	EUBANKS ELECTRIC
AP	1	232.00	PLGN	10	1808			2018 10/31/09	VN	1119	10/31/09	135.10	SHERWIN WILLIAMS
JE	44	184.22	STJO	52	1606			2018 10/31/09	VN	12	10/31/09	19.64	KY SALES & USE TAX EXPENSE
TR	50	184.40	TREX	07	1808			2018 10/31/09	VN	1	10/31/09	2,180.71	EXP COOP PART OF EMPL BENEFITS
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1	10/31/09	249.81	TRANSPORTATION EXPENSE
JE	44	184.22	STJO	37	1808			2018 10/31/09	VN	1	10/31/09	91.87	OVERTIME 1 1/2
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/13/09	795.76	LABOR REGULAR
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/13/09	383.51	OVERTIME 1 1/2
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	80.00	LABOR REGULAR
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	1,438.08	CUMBERLAND MILLWORK
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	83.73	CDW
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	80.06	OFFICE DEPOT (COMPUTER SUPPLIES)
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	31.15	SHERWIN WILLIAMS
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	619.29	LOWES
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	24.93	LUMBER KING
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	36.15	STRUCTURES & IMPROVEMENTS
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	21.60	LUMBER KING
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	86.69	LUMBER KING
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	6.77	STRUCTURES & IMPROVEMENTS
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	144.59	LUMBER KING
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	24.93	ACCRUED LABOR (OT) - MONTH END
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	36.15	LUMBER KING
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	21.60	LUMBER KING
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	86.69	LUMBER KING
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	6.77	LUMBER KING
TR	50	184.40	TREX	01	1808			2018 10/31/09	VN	1119	11/27/09	16.54	LUMBER KING

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
AP	1	232.00	PLGN	10	1808		2018	11/30/09	VN	33300858	.00	6,928.52	.00	FLOORING, CARPET, BLINDS
JE	44	184.22	SJOO	37	1808			11/30/09			.00	2,040.72	.00	EXP COOP PART OF EMPL BENEFITS
TR	50	184.40	TREX	00	1808			11/30/09			129.50	142.16	.00	TRANSPORTATION EXPENSE
PY	20	131.15	LAOT	01	1808		1219	12/11/09			1.00	41.31	.00	OVERTIME 1 1/2
AP	1	232.00	PLGN	10	1606		2018	12/31/09	VN	33300162	.00	72.05	.00	OFFICE DEPOT
JE	40	232.14	SJOO	52	1808			12/31/09			.00	108.29	.00	KY SALES & USE TAX EXPENSE
JE	44	184.22	SJOO	37	1808			12/31/09			.00	19.65	.00	EXP COOP PART OF EMPL BENEFITS
JE	54	390.00	GP390000		1808			12/31/09	R		1.00-	.00	40,698.22-	ACCOUNTING REMODELING
TR	50	184.40	TREX	00	1808			12/31/09			1.00	5.13	.00	TRANSPORTATION EXPENSE
BF	99	390.21	BYBA	00	01			01/01/10			.00	5.13	.00	BEG YEAR BALANCE FORWARD
JE	56	390.00	GP390000		1808		2018	01/31/10	R		.00	.00	5.13-	ACCOUNTING REMODELING 2009

NUMBER OF RECORDS FOUND - 62 TOTAL QTY 591.00

TOTAL DEBIT 24,601.65  
 TOTAL CREDIT 40,879.49-  
 NET BALANCE 16,277.84-

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/TJOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
AP	1	232.00	GP391000	1902			2018	11/30/09	VN 33300319	1.00	1,325.00	.00	MAHOGANY DESK-STEPHEN
AP	1	232.00	GP391000	1902			2018	11/30/09	VN 33300319	1.00	1,041.45	.00	MAHOGANY HUTCH-STEPHEN
AP	1	232.00	GP391000	1902			2018	11/30/09	VN 33300319	1.00	977.85	.00	MAHOGANY CREDENZA-STEPHEN
AP	1	232.00	GP391000	1902			2018	12/30/09	VN 33300319	1.00	1,084.38	.00	WOOD LATERAL FILE - STEPHEN
AP	1	232.00	GP391000	1902			2018	12/30/09	VN 33300319	1.00	1,084.38	.00	WOOD LATERAL FILE - STEPHEN
BF	99	391.00	BYBA	00	01		2018	01/01/10	VN 33300319	.00	546,268.04	.00	BEG YEAR BALANCE FORWARD
AP	1	232.00	GP391000	1902			2018	01/21/10	VN 33300319	1.00	942.34	.00	FILE CABINET/STORAGE-MARY LOU
AP	1	232.00	GP391000	1902			2018	01/21/10	VN 33300319	1.00	1,249.74	.00	5 DR BLACK LATERAL-CHRISTY
AP	1	232.00	GP391000	1902			2018	01/21/10	VN 33300319	1.00	1,249.74	.00	5 DR BLACK LATERAL-CHRISTY
AP	1	232.00	GP391000	1902			2018	01/21/10	VN 33300319	1.00	1,249.74	.00	5 DR BLACK LATERAL-CHRISTY
AP	1	232.00	GP391000	1902			2018	01/21/10	VN 33300319	1.00	603.14	.00	3 DR BLACK LATEAL-KATHY
AP	1	232.00	GP391000	1902			2018	01/21/10	VN 33300319	1.00	634.94	.00	3 DR BLACK LATERAL-MARY LOU
AP	1	232.00	GP391000	1902			2018	01/21/10	VN 33300319	1.00	942.34	.00	BLACK CABINET W/STORAGE-KATHY R
AP	1	232.00	GP391000	1902			2018	01/21/10	VN 33300319	1.00	942.34	.00	BLACK CABINET W/STORAGE-LANA S
AP	1	232.00	GP391000	1902			2018	01/21/10	VN 33300319	1.00	687.94	.00	3 DR BLACK LATERAL-LANA S
AP	1	232.00	GP391000	1703			2018	03/31/10	VN 33300319	1.00	828.91	.00	3 DRAWER BLACK LATERAL-SPR CTR

NUMBER OF RECORDS FOUND - 17

TOTAL QTY 16.00  
 TOTAL DEBIT 562,362.01  
 TOTAL CREDIT .00  
 NET BALANCE 562,362.01



SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
AP	1	232.00	GP391100	1703			2018	10/31/09	VN 33302505	1.00	572.40	.00	DELL LASER PRINTER-CATHY J
AP	1	232.00	GP391100	1606			2018	10/31/09	VN R 33302505	2.00	11,628.21	.00	RACK CHASSIS-DISASTER RECOVERY
JE	55	0.00	GP391100	1606			2018	10/31/09	R 801	1.00	5,814.11	.00	RACK CHASSIS-DISASTER RECOVERY
JE	55	0.00	GP391100	1606			2018	10/31/09	R 800	1.00-	.00	.00	RACK CHASSIS-DISASTER RECOVERY
JE	56	184.21	GP391100	1703			2018	10/31/09	R 799	.00	26.50	.00	DELL COLOR LASER PRINTER
JE	56	184.21	GP391100	1606			2018	10/31/09	R 800	.00	174.90	.00	RACK CHASSIS-DISASTER RECOVERY
JE	56	184.21	GP391100	1606			2018	10/31/09	R 801	.00	174.90	.00	RACK CHASSIS-DISASTER RECOVERY
JE	54	184.21	GP391100	1606			2018	10/31/09	VN R 33302505	1.00	6,806.49	.00	SOFTWARE-DISASTER/VIRTUALIZATION
JE	54	184.21	GP391100	1606			2018	10/31/09	VN R 802	1.00	2,470.87	.00	SERVER
JE	54	184.21	GP391100	1606			2018	10/31/09	VN R 803	1.00	2,470.86	.00	SERVER
JE	56	184.21	GP391100	1606			2018	10/31/09	R 804	.00	172.24	.00	SERVER
JE	56	184.21	GP391100	1606			2018	10/31/09	R 804	.00	172.24	.00	SERVER
AP	1	232.00	GP391100	1900			2018	11/30/09	VN R 33302505	1.00	2,413.61	.00	DELL LATITUDE-ALLEN A
JE	56	184.21	GP391100	1900			2018	11/30/09	R 805	.00	273.48	.00	PERSONAL COMPUTER LATITUDE
JE	56	184.21	GP391100	1606			2018	11/30/09	R 10120	.00	15,600.00	.00	SOFTWARE-DISASTER/VIRTUALIZATION
AP	1	232.00	GP391100	1700			2018	12/31/09	VN R 33302505	1.00	2,413.45	.00	DELL LATITUDE-DENNIS
AP	1	232.00	GP391100	1900			2018	12/31/09	VN R 33302505	1.00	2,413.45	.00	DELL LATITUDE-AMY
AP	1	232.00	GP391100	1902			2018	12/31/09	VN R 807	1.00	2,413.45	.00	DELL LATITUDE-STEPHEN
AP	1	232.00	GP391100	1903			2018	12/31/09	VN R 808	1.00	2,413.45	.00	DELL LATITUDE-RUBY
AP	1	232.00	GP391100	1606			2018	12/31/09	VN R 33302505	1.00	2,388.50	.00	DELL LATITUDE-JOE L
AP	1	232.00	GP391100	1606			2018	12/31/09	VN R 810	1.00	2,388.49	.00	DELL LATITUDE-CHRISTINA
JE	56	184.21	GP391100	1606			2018	12/31/09	R 811	.00	2,004.77	.00	SOFTWARE-DISASTER/VIRTUALIZATION
JE	51	0.00	GP391100	1712			2018	12/31/09	R 508	1.00-	.00	.00	PERSONAL COMPUTER PENNIUM IV
BF	99	391.10	BYBA	00	01		2018	01/01/10	VN R 33302505	.00	1,788,416.46	.00	BEG YEAR BALANCE FORWARD
AP	1	232.00	GP391100	1809			2018	01/21/10	VN R 33302505	1.00	8,302.98	.00	POWEREDGE SERVER-DALLAS
JE	56	184.21	GP391100	1809			2018	01/31/10	R 812	.00	3,822.05	.00	POWEREDGE SERVER
AP	1	232.00	GP391100	1606			2018	02/17/10	VN R 33302505	1.00	740.94	.00	DELL LASER PRINTER-IT

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	51	0.00	GP391100	1702			2018	02/28/10	R V JE10179 564	1.00-	.00	1,552.87-	PRINTER HEMLETT PACKARD LASERJET
JE	51	0.00	GP391100	1805			2018	02/28/10	R V JE10179 414	1.00-	.00	7,616.03-	PRINTER MINOLTA MAGICOOLOR
AP	1	232.00	GP391100	1703			2018	03/31/10	VN R 33302505 814	1.00	1,142.68	.00	DELL OPTIPLEX-SOM WINDOW
AP	1	232.00	GP391100	1703			2018	03/31/10	VN R 33302505 815	1.00	1,142.68	.00	DELL OPTIPLEX-TAMMY SHIPP
AP	1	232.00	GP391100	1703			2018	03/31/10	VN R 33302505 816	1.00	1,142.68	.00	DELL OPTIPLEX-LINDA H
AP	1	232.00	GP391100	1703			2018	03/31/10	VN R 33302505 817	1.00	1,142.68	.00	DELL OPTIPLEX-SONDRA S
AP	1	232.00	GP391100	1703			2018	03/31/10	VN R 33302505 818	1.00	1,142.68	.00	DELL OPTIPLEX-SOM CASHIERS
AP	1	232.00	GP391100	1703			2018	03/31/10	VN R 33302505 819	1.00	1,142.68	.00	DELL OPTIPLEX-SHARON K
AP	1	232.00	GP391100	1703			2018	03/31/10	VN R 33302505 820	1.00	1,142.68	.00	DELL OPTIPLEX-JENNY S
AP	1	232.00	GP391100	1703			2018	03/31/10	VN R 33302505 821	1.00	1,142.68	.00	DELL OPTIPLEX-GIENDA R
AP	1	232.00	GP391100	1703			2018	03/31/10	VN R 33302505 822	1.00	1,142.70	.00	DELL OPTIPLEX-CORKY R
AP	1	232.00	GP391100	1606			2018	03/31/10	VN R 33302505 823	1.00	2,342.06	.00	DELL OPTIPLEX-MELISSA B
AP	1	232.00	GP391100	1702			2018	03/31/10	VN R 33302505 824	1.00	2,342.06	.00	DELL LATITUDE-DONNIE G
AP	1	232.00	GP391100	1601			2018	03/31/10	VN R 33302505 825	1.00	2,342.06	.00	DELL LATITUDE-CONNIE WILSON
AP	1	232.00	GP391100	1805			2018	03/31/10	VN P 33302505 168	1.00	2,342.05	.00	DELL LATITUDE-YNACE
AP	1	232.00	GP391100	1809			2018	04/29/10	VN R 33302505 826	1.00	2,353.20	.00	DELL PRECISION-JOHN HUFF
AP	1	232.00	GP391100	1604			2018	04/29/10	VN P 33302505 168	1.00	748.76	.00	PROJECT PRO SOFTWARE-JEFF G
JE	51	0.00	GP391100	1700			2018	04/30/10	R R 310 828	1.00-	.00	1,769.14-	PERSONAL COMPUTER UMAX
JE	51	0.00	GP391100	1801			2018	04/30/10	R V JE10214 320	1.00-	.00	1,769.14-	PC UMAX LAPTOP
JE	51	0.00	GP391100	1702			2018	04/30/10	R V JE10214 498	1.00-	.00	3,314.57-	PC INSPIRON LAPTOP
AP	1	232.00	GP391100	1809			2018	05/31/10	VN V JE10214 168	1.00	1,912.95	.00	GEOEXPRESS 7 SOFTWARE-AMI
AP	1	232.00	GP391100	1804			2018	05/31/10	VN R 33302505 829	1.00	1,212.66	.00	OPTIPLEX PC-MITCH ROBERTSON
AP	1	232.00	GP391100	1804			2018	05/31/10	VN R 33302505 830	1.00	1,212.66	.00	OPTIPLEX PC-ANDY EDMON
AP	1	232.00	GP391100	1804			2018	05/31/10	VN R 33302505 831	1.00	1,212.66	.00	OPTIPLEX PC-JEFF CRAIG
AP	1	232.00	GP391100	1804			2018	05/31/10	VN R 33302505 832	1.00	1,212.66	.00	OPTIPLEX PC-JEFF CRAIG

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
AP	1	232.00	GP391100	1809			2018	05/31/10	VN R 33302505	1.00	1,212.66	.00	OPTIPLEX PC-DISPATCH
AP	1	232.00	GP391100	1600			2018	05/31/10	VN R 33302505	1.00	1,212.66	.00	OPTIPLEX PC-LANA SIDWELL
AP	1	232.00	GP391100	1804			2018	05/31/10	VN R 33302505	1.00	1,212.66	.00	OPTIPLEX PC-WALTER WEST
AP	1	232.00	GP391100	1703			2018	05/31/10	VN R 33302505	1.00	1,212.66	.00	OPTIPLEX PC-KATHY ELLIS
AP	1	232.00	GP391100	1804			2018	05/31/10	VN R 33302505	1.00	1,212.66	.00	OPTIPLEX PC-MONTICELLO WINDOW
AP	1	232.00	GP391100	1606			2018	05/31/10	VN R 33302505	1.00	668.26	.00	DELL SERVER-IT
AP	1	232.00	GP391100	1606			2018	05/31/10	VN R 33302505	1.00	668.26	.00	DELL SERVER-IT
JE	56	184.21	GP391100	1809			2018	05/31/10	R 812	.00	6,000.00	.00	POWEREDGE SERVER
JE	51	0.00	GP391100	1606			2018	05/31/10	R JE10232	1.00-	.00	668.26-	DELL SERVER-IT
JE	51	0.00	GP391100	1606			2018	05/31/10	R JE10232	1.00-	.00	668.26-	DELL SERVER-IT
JE	51	0.00	GP391100	1606			2018	05/31/10	R JE10232	1.00-	.00	668.26-	DELL SERVER-IT
JE	56	184.21	GP391100	1713			2018	05/31/10	R 802	.00	2,528.26	.00	SOFTWARE-DISASTER/VIRTUALIZATION
JE	56	184.21	GP391100	1713			2018	05/31/10	R 763	.00	815.39	.00	POWEREDGE SERVER
JE	54	184.21	GP391100	1606			2018	05/31/10	VN R 33302505	1.00	4,851.27	.00	SWITCH-AMI SERVER
AP	1	232.00	GP391100	1703			2018	07/28/10	VN R 33302505	1.00	794.99	.00	DELL LASER PRINTER-SERVICE CTR
JE	56	184.21	GP391100	1703			2018	07/31/10	R 841	.00	95.39	.00	DELL LASER PRINTER-SERVICE CTR
JE	56	232.14	GP391100	1809			2016	07/31/10	P V JE10257	.00	113.63	.00	SOFTWARE-GEOXPRESS 7(AMI)
JE	56	232.14	GP391100	1809			2016	07/31/10	R 829	.00	356.40	.00	POWEREDGE SERVER
AP	1	232.00	GP391100	1606			2018	08/17/10	VN V SJO052	1.00	1,989.90	.00	DELL LATITUDE-TRU CHECK
AP	1	232.00	GP391100	1807			2018	08/31/10	VN R 33302112	1.00	3,906.14	.00	PANASONIC LAPTOP-EDDIE BLACK
AP	1	232.00	GP391100	1606			2018	08/31/10	VN R 33304112	1.00	2,876.00	.00	DELL POWEREDGE SERVER-REMITTANCE
AP	1	232.00	GP391100	1606			2018	08/31/10	VN R 33302505	1.00	1,333.62	.00	OPTIPLEX 780-REMITTANCE SYSTEM
JE	56	184.21	GP391100	1606			2018	08/31/10	R 844	.00	1,525.92	.00	DELL POWEREDGE SERVER-REMITTANCE
JE	51	0.00	GP391100	1809			2018	08/31/10	P V JE10283	1.00-	.00	2,026.58-	SOFTWARE-GEOXPRESS 7(AMI)
JE	51	0.00	GP391100	1606			2018	08/31/10	R 829	1.00-	.00	4,851.27-	SWITCH-AMI SERVER
AP	1	232.00	GP391100	1606			2018	09/30/10	VN P 33302505	1.00	1,285.69	.00	OPTIPLEX-IT

SO TR RACCT	ITEM ID	DEPT WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE 56 184.21	GP391100	1807		2018 09/30/10	R 843 V JE10307	.00	1,475.16	.00	PERSONAL COMPUTER PANASONIC

NUMBER OF RECORDS FOUND - 77 TOTAL QTY 38.00

TOTAL DEBIT 1,932,141.64  
 TOTAL CREDIT 31,761.07-  
 NET BALANCE 1,900,380.57

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	QTY	DEBIT	CREDIT	DESCRIPTION
BF	99	391.11	BYBA	00	01			1 01/01/10	PJ/VHR/VND/VEH	.00	410,702.05	.00	BEG YEAR BALANCE FORWARD

NUMBER OF RECORDS FOUND - 1

TOTAL QTY .00  
 TOTAL DEBIT 410,702.05  
 TOTAL CREDIT .00  
 NET BALANCE 410,702.05

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
AP	1	232.00	GP392000	1800			2182	10/31/09	VN 33301117	1.00	3,913.11	.00	REFURBISH & INSTALL BODY TRK#319
AP	1	232.00	GP392000	1800			2182	10/31/09	VN 33301117 R 705	1.00	371.00	.00	BED LINER KIT-TRK #319,T TUPMAN
AP	1	232.00	GP392000	1803			2182	12/15/09	VN 33302046 R 707	1.00	44,520.00	.00	BANDIT 1490XP CHIPPER #142
JE	58	0.00	GP392000	1803			1100	12/15/09	R 256 V JE10134	1.00-	.00	18,048.40-	BANDIT CHIPPER
JE	58	0.00	GP392000	1803			1100	12/15/09	R 254 V JE10135	1.00-	.00	22,398.10-	1977 BANDIT CHIPPER
AP	1	232.00	GP392000	1713			2182	12/30/09	VN 33300333 R 708	1.00	124,893.44	.00	DERRICK DIGGER-TRK#318 G ERISMAN
AP	1	232.00	GP392000	1713			2182	12/31/09	VN 33300333 R 709	1.00	45,935.00	.00	2010 DODGE RAM#320 D UPCHURCH
AP	1	232.00	GP392000	1713			2182	12/31/09	VN 33300333 R 710	1.00	37,333.00	.00	TELEJECT BUCKET TK#320 D UPCHURC
BF	99	392.00	BYBA	00	01		1	01/01/10	R 709	.00	7,789,352.09	.00	BEG YEAR BALANCE FORWARD
JE	56	184.21	GP392000	1713			1100	01/07/10	R JE10165	.00	2,282.28	.00	2010 DODGE RAM#320 D UPCHURCH
JE	56	184.21	GP392000	1713			1100	01/07/10	R JE10165	.00	2,797.80	.00	TELEJECT BUCKET TK#320 D UPCHURC
AP	1	232.00	GP392000	1714			2182	01/15/10	VN 33300333 R 711	1.00	36,787.00	.00	2009 DODGE RAM #321 L WOOLDRIDGE
AP	1	232.00	GP392000	1714			2182	01/15/10	VN 33300333 R 712	1.00	66,511.00	.00	AERIAL DEVICE #231 L WOOLDRIDGE
JE	58	0.00	GP392000	1802			1100	01/20/10	R 441 V JE10155	1.00-	.00	42,506.00-	2001 FREIGHTLINER #237 B ADKINS
JE	58	0.00	GP392000	1802			1100	01/20/10	R 442 V JE10155	1.00-	.00	63,759.00-	AERIAL DEVICE #237 BART ADKINS
JE	51	0.00	GP392000	1802			1100	01/20/10	R 456 V JE10155	1.00-	.00	1,014.00-	TOOL HOSE CIRCUITS TK#237,ADKINS
JE	51	0.00	GP392000	1802			1100	01/20/10	R 668 V JE10155	1.00-	.00	4,528.42-	TRANSMISSION-TK# 237-BART ADKINS
AP	1	232.00	GP392000	1802			2182	01/20/10	VN 33300333 R 713	1.00	103,060.62	.00	AERIAL DEVICE TRK#317 JON SLAVEY
JE	56	184.21	GP392000	1714			1100	01/21/10	R 712 V JE10165	.00	3,966.64	.00	AERIAL DEVICE #231 L WOOLDRIDGE
JE	56	184.21	GP392000	1713			2182	01/27/10	R 709 V CK142016	.00	.00	9,320.00-	PRICE ON TRK & EQUIP SWITCHED
JE	56	184.21	GP392000	1713			2182	01/27/10	R 710 V CK142016	.00	9,320.00	.00	TELEJECT BUCKET TK#320 D UPCHURC
JE	56	184.21	GP392000	1714			1100	01/31/10	R 711 V JE10165	.00	2,317.24	.00	2009 DODGE RAM #321 L WOOLDRIDGE
JE	58	0.00	GP392000	1801			1100	03/09/10	R 404 V JE10187	1.00-	.00	44,665.74-	2000 FORD TRK #223
JE	58	0.00	GP392000	1801			1100	03/09/10	R 405 V JE10187	1.00-	.00	40,000.00-	ALTEC AERIAL BUCKET#223
JE	51	0.00	GP392000	1801			1100	03/09/10	R 494 V JE10187	1.00-	.00	2,752.93-	REBUILT TRANSMISSION-TRK 223
JE	51	0.00	GP392000	1801			1100	03/09/10	R 555 V JE10187	1.00-	.00	2,904.72-	REPLACE TRANSMISSION-TRK# 223

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	58	0.00	GP392000	1714			1100	03/09/10	R V JE10187	1.00-	.00	37,454.40-	2001 FORD BUCKET #233 D MCGINNIS
JE	58	0.00	GP392000	1714			1100	03/09/10	R V JE10187	1.00-	.00	45,777.60-	BUCKET ASSEM TRK#233 D MCGINNIS
JE	51	0.00	GP392000	1714			1100	03/09/10	R V JE10187	1.00-	.00	237.90-	STEPS (TK# 233) DENZIL MCGINNIS
JE	51	0.00	GP392000	1714			1100	03/09/10	R V JE10187	1.00-	.00	2,911.00-	REPLACE TRANSMISSION-TK# 233
JE	51	0.00	GP392000	1714			1100	03/09/10	R V JE10187	1.00-	.00	2,253.60-	REBUILT TRNS-TK 233-DENZIL M
JE	58	0.00	GP392000	1800			1100	03/10/10	R V JE10186	1.00-	.00	26,987.50-	2000 CHEV TRK #226 TONY TUPMAN
JE	51	0.00	GP392000	1800			1100	03/10/10	R V JE10186	1.00-	.00	243.80-	TOOL CHEST-TK#226-TONY TUPMAN
JE	58	0.00	GP392000	1804			1100	03/11/10	R V JE10186	1.00-	.00	22,199.60-	1998 FORD F150 PU TRUCK
JE	51	0.00	GP392000	1804			1100	03/11/10	R V JE10184	1.00-	.00	302.10-	TOOL BOX
JE	51	0.00	GP392000	1804			1100	03/11/10	R V JE10184	1.00-	.00	68.85-	BED LINER
JE	51	0.00	GP392000	1804			1100	03/11/10	R V JE10184	1.00-	.00	405.98-	RUNNING BOARDS-TK 35 (MITCH R)
JE	58	0.00	GP392000	1804			1100	03/11/10	R V JE10184	1.00-	.00	29,971.00-	1998 FORD EXPEDITION
JE	51	0.00	GP392000	1804			1100	03/11/10	R V JE10184	1.00-	.00	211.84-	FLOOR, REAR & CARGO MATS
JE	51	0.00	GP392000	1804			1100	03/11/10	R V JE10184	1.00-	.00	421.60-	RUNNING BOARDS-TK#37
JE	51	0.00	GP392000	1804			1100	03/11/10	R V JE10184	1.00-	.00	2,030.93-	OVERHAUL TRNS-TK#37-MCGINNIS
JE	58	0.00	GP392000	1802			1100	03/11/10	R V JE10185	1.00-	.00	53,180.28-	2000 INTL TRUCK
JE	58	0.00	GP392000	1802			1100	03/11/10	R V JE10185	1.00-	.00	73,421.96-	DIGGER UNIT TK#47
JE	58	0.00	GP392000	1801			1100	03/11/10	R V JE10185	1.00-	.00	23,732.46-	1999 FORD F150 PU TRUCK
JE	51	0.00	GP392000	1801			1100	03/11/10	R V JE10185	1.00-	.00	943.40-	BED MAT, BOXES
JE	58	0.00	GP392000	1803			1100	03/11/10	R V JE10188	1.00-	.00	23,006.03-	2002 CHEV TRK #251 R/W
JE	58	0.00	GP392000	1713			1100	03/23/10	R V JE10186	1.00-	.00	25,542.75-	1996 FORD TRUCK
JE	51	0.00	GP392000	1713			1100	03/23/10	R V JE10186	1.00-	.00	3,192.46-	BED, BUMPER, LADDER RACK
JE	51	0.00	GP392000	1713			1100	03/23/10	R V JE10186	1.00-	.00	603.75-	WINCH
JE	51	0.00	GP392000	1713			1100	03/23/10	R V JE10186	1.00-	.00	2,512.55-	TRANSFERRING BED FROM #93
JE	51	0.00	GP392000	1713			1100	03/23/10	R V JE10186	1.00-	.00	2,340.28-	REBUILT TRANSMISSION TK#209
AP	1	232.00	GP392000	1711			2182	06/24/10	VN R JE10186 33304688 714	1.00	45,093.91	.00	2011 DOGDE #322, DELVYN WATERS

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	56	184.21	GP392000	1711				2182 07/31/10 R			.00	62.17	.00	2011 DOGDE #322, DELYNN WATERS
AP	1	232.00	GP392000	1800				2182 09/09/10 VN			1.00	33,097.99	.00	'10 CHEV SILVERADO #323 D BURDIN
JE	58	0.00	GP392000	1800				1100 09/09/10 R			1.00-	.00	25,525.36-	2001 CHEV TR#243-DONNIE BURDINE
JE	58	0.00	GP392000	1800				2182 09/09/10 R			1.00-	.00	4,240.00-	TOOL BODY TR#243-DONNIE BURDINE

NUMBER OF RECORDS FOUND - 56 TOTAL QTY 26.00-

TOTAL DEBIT 8,351,614.29  
 TOTAL CREDIT 661,616.29-  
 NET BALANCE 7,689,998.00



SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
BF	99	393.00	BYBA	00	01		1	01/01/10		.00	208,305.68	.00	BEG YEAR BALANCE FORWARD
AP	1	232.00	GP393000	1712			2018	01/31/10	VN R 33300012 57	1.00	1,351.50	.00	TRINER SCALES
AP	1	232.00	GP393000	1714			2018	01/31/10	VN R 33300012 58	1.00	1,351.50	.00	TRINER SCALES
AP	1	232.00	GP393000	1713			2018	01/31/10	VN R 33300012 59	1.00	1,351.50	.00	TRINER SCALES
AP	1	232.00	GP393000	1711			2018	01/31/10	VN R 33300012 60	1.00	1,351.50	.00	TRINER SCALES

NUMBER OF RECORDS FOUND - 5 TOTAL QTY 4.00

TOTAL DEBIT 213,711.68  
 TOTAL CREDIT .00  
 NET BALANCE 213,711.68

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
BF	99	394.00	BYBA	00	01		1	01/01/10			.00	145,990.46	.00	BEG YEAR BALANCE FORWARD
JE	56	184.21	GP394000		1806		2018	02/28/10	R		.00	1,306.10	.00	SCAN SYSTEM OTC
									V	JE10177				
AP	1	232.00	GP394000		1806		2018	04/30/10	VN		1.00	3,607.95	.00	WELDER (TK# 282)
									R	33302742				
AP	1	232.00	GP394000		1806		2018	04/30/10	VN		1.00	2,119.95	.00	WELDER SUITCASE GUN (TK# 282)
									R	33302742				
JE	56	184.21	GP394000		1806		2018	04/30/10	R		.00	198.30	.00	WELDER
									V	JE10213				
AP	1	232.00	GP394000		1806		2182	07/06/10	VN		1.00	1,439.99	.00	IROMAN 230 WIRE WELDER
									R	33302509				
AP	1	232.00	GP394000		1806		2182	08/31/10	VN		1.00	2,154.79	.00	PRESSURE WASHER-SOM GARAGE
									R	33302509				
JE	51	0.00	GP394000		1806		2182	08/31/10	R		1.00-	.00	2,282.13-	PRESSURE WASHER
									V	JE10273				
JE	56	232.14	GP394000		1806		2016	09/30/10	R		.00	85.54	.00	IROMAN 230 WIRE WELDER
									V	ST0052				

NUMBER OF RECORDS FOUND - 9

TOTAL QTY 3.00  
 TOTAL DEBIT 156,903.08  
 TOTAL CREDIT 2,282.13-  
 NET BALANCE 154,620.95

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
BF	99	395.00	BYBA	00	01		1	01/01/10		.00	252,907.88	.00	BEG YEAR BALANCE FORWARD
AP	1	232.00	GP395000		1702		2018	05/27/10	VN 33304132 R 195	1.00	500.00	.00	BLOWER DOOR (MCHDO)
AP	1	232.00	GP395000		1800		2182	08/31/10	VN 33304306 R 168 R 196	1.00	5,830.00	.00	PRTU TEST UNIT FOR METER SHOP

NUMBER OF RECORDS FOUND - 3

TOTAL QTY	2.00
TOTAL DEBIT	259,237.88
TOTAL CREDIT	.00
NET BALANCE	259,237.88

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
AP	1	232.00	GP396000	1802				2182 11/01/09	VN R 33302643	1.00	345.45	.00	STIHL CHAINSAW-DAN WARE
AP	1	232.00	GP396000	1803				2182 11/01/09	VN R 33302643	1.00	345.45	.00	STIHL CHAINSAW-LED CHITWOOD
AP	1	232.00	GP396000	1713				2182 11/01/09	VN R 33302643	1.00	274.18	.00	STIHL CHAINSAW-GREG ERISMAN
AP	1	232.00	GP396000	1711				2182 11/01/09	VN R 33302643	1.00	274.17	.00	STIHL CHAINSAW-DELYNN WATERS
BF	99	396.00	BYBA	00	01			1 01/01/10	R 33302643	.00	880.55	.00	BEG YEAR BALANCE FORWARD
AP	1	232.00	GP396000	1712				2182 01/31/10	VN R 33302643	1.00	274.18	.00	STIHL CHAINSAW-MITCH STATON
AP	1	232.00	GP396000	1803				2182 01/31/10	VN R 33302643	1.00	274.17	.00	STIHL CHAINSAW-JIM MURPHY
AP	1	232.00	GP396000	1802				2018 07/08/10	VN R 22200507	1.00	592.54	.00	STIHL CHAINSAW-MIKE STOGSDILL
AP	1	232.00	GP396000	1803				2182 08/31/10	VN R 33302643	1.00	481.94	.00	STIHL CHAINSAW-RUBEN INABITTT
AP	1	232.00	GP396000	1802				2182 08/31/10	VN R 33302643	1.00	282.55	.00	STIHL CHAINSAW-CHRIS CAIN
AP	1	232.00	GP396000	1803				2182 08/31/10	VN R 33302643	1.00	481.94	.00	STIHL CHAINSAW-JIMMY MURPHY
AP	1	232.00	GP396000	1806				2018 09/30/10	VN R 33300600	1.00	551.15	.00	AIR COMPRESSOR

NUMBER OF RECORDS FOUND - 12

TOTAL QTY 11.00  
 TOTAL DEBIT 113,058.27  
 TOTAL CREDIT .00  
 NET BALANCE 113,058.27

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
BF	99	397.00	BYBA	00	01		1	01/01/10		.00	2,412.916.77	.00	BEG YEAR BALANCE FORWARD
AP	1	232.00	GP397000	1809			2018	02/28/10	VN 33304347 R 533	1.00	2,541.48	.00	CISCO ROUTER-MONT UPGRADE
AP	1	232.00	GP397000	1809			2018	04/30/10	VN 33304485 R 168 P 534	1.00	3,120.64	.00	NOMAD GPS SYSTEM
AP	1	232.00	GP397000	1809			2018	04/30/10	VN 33304485 R 168 P 536	1.00	3,120.64	.00	NOMAD GPS SYSTEM
AP	1	232.00	GP397000	1809			2018	04/30/10	VN 33304485 R 168 P 537	1.00	3,120.64	.00	NOMAD GPS SYSTEM
AP	1	232.00	GP397000	1809			2018	04/30/10	VN 33304485 R 168 P 538	1.00	3,120.64	.00	NOMAD GPS SYSTEM
AP	1	232.00	GP397000	1809			2018	04/30/10	VN 33304485 R 168 P 539	1.00	3,120.64	.00	NOMAD GPS SYSTEM
AP	1	232.00	GP397000	1809			2018	04/30/10	VN 33304485 R 168 P 540	1.00	2,644.70	.00	GPS RECEIVER
AP	1	232.00	GP397000	1809			2018	04/30/10	VN 33304485 R 168 P 541	1.00	2,644.70	.00	GPS RECEIVER
AP	1	232.00	GP397000	1809			2018	04/30/10	VN 33304485 R 168 P 542	1.00	2,644.70	.00	GPS RECEIVER
AP	1	232.00	GP397000	1809			2018	04/30/10	VN 33304485 R 168 P 543	1.00	2,644.70	.00	GPS RECEIVER
AP	1	232.00	GP397000	1809			2018	04/30/10	VN 33304485 R 168 P 544	1.00	2,644.70	.00	GPS RECEIVER
AP	1	232.00	GP397000	1809			2018	04/30/10	VN 33304485 R 545	1.00	2,644.70	.00	GPS RECEIVER
JE	56	184.21	GP397000	1809			2018	05/31/10	P 168 R 535 V JE10231	.00	176.08	.00	GLOBAL POSITIONING SYSTEM
JE	56	184.21	GP397000	1809			2018	05/31/10	P 168 R 535 V JE10231	.00	176.08	.00	GLOBAL POSITIONING SYSTEM
JE	56	184.21	GP397000	1809			2018	05/31/10	P 168 R 536 V JE10231	.00	176.08	.00	GLOBAL POSITIONING SYSTEM
JE	56	184.21	GP397000	1809			2018	05/31/10	P 168 R 537 V JE10231	.00	176.08	.00	GLOBAL POSITIONING SYSTEM
JE	56	184.21	GP397000	1809			2018	05/31/10	P 168 R 538 V JE10231	.00	176.08	.00	GLOBAL POSITIONING SYSTEM

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK PJ/VHR/VND/VEH	QTY	DEBIT	CREDIT	DESCRIPTION
JE	56	184.21	GP397000	1809			2018	05/31/10	P R JE10231 539	.00	176.08	.00	GLOBAL POSITIONING SYSTEM
JE	56	184.21	GP397000	1809			2018	05/31/10	P R JE10231 535	.00	176.08	.00	GLOBAL POSITIONING SYSTEM
JE	56	184.21	GP397000	1809			2018	05/31/10	R V JE10231 534	.00	176.08	.00	GLOBAL POSITIONING SYSTEM
JE	51	0.00	GP397000	1809			2018	08/31/10	R V JE10288 534	1.00-	.00	3,296.72-	GLOBAL POSITIONING SYSTEM
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 168	1.00-	.00	3,296.72-	GLOBAL POSITIONING SYSTEM
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 535	1.00-	.00	3,296.72-	GLOBAL POSITIONING SYSTEM
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 168	1.00-	.00	3,296.72-	GLOBAL POSITIONING SYSTEM
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 537	1.00-	.00	3,296.72-	GLOBAL POSITIONING SYSTEM
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 168	1.00-	.00	3,296.72-	GLOBAL POSITIONING SYSTEM
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 539	1.00-	.00	3,296.72-	GLOBAL POSITIONING SYSTEM
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 168	1.00-	.00	2,644.70-	GPS RECEIVER
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 541	1.00-	.00	2,644.70-	GPS RECEIVER
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 168	1.00-	.00	2,644.70-	GPS RECEIVER
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 542	1.00-	.00	2,644.70-	GPS RECEIVER
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 168	1.00-	.00	2,644.70-	GPS RECEIVER
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 543	1.00-	.00	2,644.70-	GPS RECEIVER
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 168	1.00-	.00	2,644.70-	GPS RECEIVER
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 544	1.00-	.00	2,644.70-	GPS RECEIVER
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288 545	1.00-	.00	2,644.70-	GPS RECEIVER
JE	51	0.00	GP397000	1809			2018	08/31/10	P R JE10288	1.00-	.00	2,644.70-	GPS RECEIVER

NUMBER OF RECORDS FOUND - 34

TOTAL QTY 1.00  
 TOTAL DEBIT 2,451,282.85  
 TOTAL CREDIT 35,824.60  
 NET BALANCE 2,415,458.25

SO	TR	RACCT	ITEM	ID	DEPT	WH	BH	DATE	CK/JOB/REC/TSK	QTY	DEBIT	CREDIT	DESCRIPTION
BF	99	398.00	BYBA	00	01		1	01/01/10	PJ/VHR/VND/VEH	.00	331,453.32	.00	BEG. YEAR BALANCE FORWARD
AP	1	232.00	GP398000		1713		2018	09/23/10	VN 33300464 R 170	1.00	899.94	.00	REFRIGERATOR-MONT OFFICE

NUMBER OF RECORDS FOUND - 2

TOTAL QTY	1.00
TOTAL DEBIT	332,353.26
TOTAL CREDIT	.00
NET BALANCE	332,353.26





South Kentucky Rural Electric Cooperative

Case No. 2011-00096

Second Information Request

Witness: Jim Adkins

31. Refer to the Application, Exhibit 3, pages 2, 5, and 7. On page 2, normalized depreciation for meters, for which rate recovery has been requested, is calculated by multiplying the test-year ending balance for the meter account, \$19,636,215, by a deprecation rate of 6.67 percent. From the information shown on page 5, it appears that \$4,342,638 of the test-year ending balance (\$4,557,790, beginning test-year balance minus \$215,152, test-year retirements) represents the cost of older mechanical meters that, according to the Application at page 7, will be entirely replaced within the next three years with new Advanced Metering Infrastructure (“AMI”) meters. In light of the fact that depreciation on 95.3 percent ( $\$4,342,638/\$4,557,790$ ) of the existing mechanical meters appears to be included in the calculation of normalized depreciation, explain why also including, for rate recovery, amortization of the anticipated loss on the retirement of the mechanical meters, as shown on page 7, does not represent a double recovery of the cost of the mechanical meters.

Response to Question 31.

Refer to Question 31.a. of this response. The total in the meter account after the implementation of AMI will be the \$19,636,215. The adjustment referenced in Question 20.a. of this response details the old mechanical meters have been retired and will be retired, and the addition of mechanical and the AMI meters as a result of the DOE project.

As indicated by this response, there is not a double recovery of costs. The total meters in Exhibit 3, page 5 will be the amount of AMI meters after the retirement of mechanical meters. The adjustment for amortization is after the adjustments to arrive at the \$19,636,215.



South Kentucky Rural Electric Cooperative  
Case No. 2011-00096  
Second Information Request  
Witness: Jim Adkins

32. Refer to the Application, Exhibit 3, page 4 of 7, which shows distribution plant in service, accumulated depreciation for distribution plant, and the reserve ratio percentages for distribution plant for each of the years 1995 through 1999 and 2005 through 2009. Provide the same information as of the end of the test year and for the years from 2000 through 2004.

Response to Question 32.

Please find enclosed the information for the year 2000 through 2004. Also note that the information for the years 2009 thru 2005 and 1999 thru 1995 have been changed to reflect the information relative to South Kentucky. The amounts previously reported were from another file that should have been updated for the following information.

<u>Year</u> <u>Ended</u>	<u>Distribution</u> <u>Plant in</u> <u>Service</u>	<u>Accumulated</u> <u>Depreciation</u> <u>For</u> <u>Distribution</u>	<u>Reserve</u> <u>Ratio</u>	<u>Ratio of Current</u> <u>Distribution Plant</u> <u>to Distribution</u> <u>Plant 10 Years</u> <u>Prior</u>
2009	166,855,526	30,084,164	18.03%	1.89
2008	158,529,989	26,681,799	16.83%	1.91
2007	149,015,442	24,654,608	16.55%	1.92
2006	136,615,424	24,229,259	17.74%	1.90
2005	128,004,181	23,760,409	18.56%	1.90
1999	88,439,029	17,306,749	19.57%	
1998	82,874,563	16,394,221	19.78%	
1997	77,745,614	15,481,761	19.91%	
1996	71,974,098	14,759,018	20.51%	
1995	67,450,334	14,093,624	20.89%	
2004	120,066,035	22,992,602	19.15%	
2003	113,447,865	21,578,379	19.02%	
2002	107,120,268	20,352,691	19.00%	
2001	101,238,865	19,103,391	18.87%	
2000	94,787,060	18,198,086	19.20%	



South Kentucky Rural Electric Cooperative  
Case No. 2011-00096  
Second Information Request  
Witness: Jim Adkins

33. Refer to the Application, Exhibit 3, Pages 5 and 7.
- a. State the total anticipated cost of replacing all mechanical meters with AMI and provide documentation supporting the anticipated cost.
  - b. Provide a copy of the grant and matching loan documents from the Department of Energy ("DOE").
  - c. Provide the amounts and the dates on which DOE grant funds have been received to date.
  - d. Provide the amounts and the dates on which DOE loan funds have been received to date.
  - e. Provide the amounts and the dates all future DOE grant funds are expected to be received.
  - f. Provide the amounts and the dates all future DOE loan funds are expected to be received.
  - g. State why South Kentucky proposes to record the removal of the retired meters by debiting Accounts 108.60, Accumulated Depreciation, in the amount of \$824,093 and 186.37, Deferred Meter Retirement, in the amount of \$3,723,716 instead of debiting the entire amount to Account 108 as required by the Uniform System of Accounts.<sup>2</sup>
  - h. Explain how the five-year amortization period for the deferred meter retirement account was determined. Include in this discussion, all other amortization periods that were considered and why they were not chosen. Specifically, discuss why an amortization period equal to the estimated average life of the new, replacement meters was not chosen as the amortization period.

---

<sup>2</sup> Department of Agriculture, Rural Utilities Service, 7 CFR Pat 1767, Accounting Requirements for RUS Electric Borrowers, Page 747, Account 108, B.

i. On page 5, additions to meters are shown in the amount of \$15,293,577. Is this amount shown gross or net of any grant funds received from DOE prior to the end of the test year?

Response to Question 33.

- a. See PSC Case No. 2009-00489 First Data Request Item No. 8 and Item No. 9.
- b. Copy to attach
- c.
 

11/1/10	\$ 1,373,858
5/12/11	\$ 1,791,492
9/12/11	\$ 1, 137,694
- d. No DOE loan funds associated with AMI project.
- e.
 

12/2/11	2,094,076
4/16/12	1,361,149
9/4/12	1,047,038
- g. The Uniform System of Accounts allows for recording the entire retirement in Account 108, however, RUS will allow cooperatives to record a Deferred debit in Account 186 with approval from a regulatory agency. South Kentucky determined that an entry of this magnitude would be too large an entry to make to accumulated depreciation. The effect of writing off the \$4,547,809 of meters retired to accumulated depreciation, Account 108 would be as shown below. In the adjustment of rates of Jackson Energy Cooperative, Case No. 2000-373, the Commission required Jackson Energy to record a deferred debit due to the large impact. South Kentucky is following that order in applying the write-off of meters.

Before meter retirement:	
Electric plant in service	172,910,308
Accumulated depreciation	31,150,089
Reserve ratio	18.02%

After meter retirement:	
Electric plant in service	168,362,499

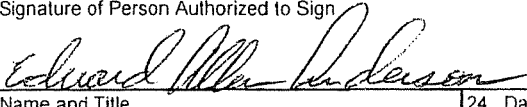
Accumulated depreciation	26,602,280
Reserve ratio	15.80%

33.

- h. South Kentucky considered several amortization periods for the retired meters. A 3 year period was deemed too short. An amortization period over 5 years would have the effect of recognizing an expense for periods much after the retired meters were removed from service. The estimated useful life for the new AMI meters has no correlation to the amortization period for mechanical meters that have been retired.
- i. The amount of \$15,293,577 is the gross amount. RUS representatives have informed South Kentucky that the proper accounting for the grant proceeds is to record this amount as donated capital.

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ASSISTANCE AGREEMENT

Award No -OE0000278		2 Modification No	3 Effective Date 03/10/2010	4 CFDA No 81.122
5 Awarded To SOUTH KENTUCKY RURAL ELECTRIC COOPERATIVE CO Attn: DENNIS HOLT P O BOX 910 SOMERSET KY 425020910		6 Sponsoring Office Elec. Delivery & Reliability (FORS) U.S. Department of Energy Office of Elec. Delivery & Energy Reliability Forrestal Building 1000 Independence Avenue, SW Washington DC 20585		7 Period of Performance 03/10/2010 through 03/09/2015
8 Type of Agreement <input checked="" type="checkbox"/> Grant <input type="checkbox"/> Cooperative Agreement <input type="checkbox"/> Other	9 Authority 31 USC 6304	10 Purchase Request or Funding Document No 100E000248		
11 Remittance Address SOUTH KENTUCKY RURAL ELECTRIC COOPERATIVE CO Attn: DENNIS HOLT P O BOX 910 SOMERSET KY 425020910		12 Total Amount Govt. Share: \$9,538,234.00  Cost Share : \$10,097,981.00  Total : \$19,636,215.00		13 Funds Obligated This action: \$9,538,234.00  Total : \$9,538,234.00
14 Principal Investigator	15 Program Manager Dan T. Ton Phone: 202-586-4618		16 Administrator Office of HQ PS (HQ) U.S. Department of Energy Office of Headquarters Procurement MA-64 1000 Independence Ave., S.W. Washington DC 20585	
17. Submit Payment Requests To OR for HQ U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 4937 Oak Ridge TN 37831		18 Paying Office OR for HQ U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 4937 Oak Ridge TN 37831		19 Submit Reports To See Attachment B
20. Accounting and Appropriation Data 89-09/10-0328				
21. Research Title and/or Description of Project SOUTH KY RURAL ELECTRIC COOPERATIVE CORPORATION AMI DEPLOYMENT				
For the Recipient			For the United States of America	
22 Signature of Person Authorized to Sign 			25 Signature of Grants/Agreements Officer	
23 Name and Title Edward Allen Anderson CEO		24 Date Signed 3-10-2010	26 Name of Officer Donna C. Williams	
			27. Date Signed	

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Attachment

CONTINUATION SHEET

REFERENCE NO OF DOCUMENT BEING CONTINUED  
DE-OE0000278

PAGE OF  
2 | 2

NAME OF OFFEROR OR CONTRACTOR  
ETH KENTUCKY RURAL ELECTRIC COOPERATIVE CORPORATION

ITEM NO (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>DUNS Number: 006946214 Special Terms and Conditions (Attached)</p> <p>The Project Description for this Grant, as contained in the Application submitted in response to Funding Opportunity Announcement Number DE-FOA-0000058, is incorporated by reference.</p> <p>Attachment A, SF-424A - Budget Information for Non-Construction Programs</p> <p>Attachment B, DOE F 4600.2 - Federal Assistance Reporting Checklist</p> <p>Attachment C, Intellectual Property Provisions (NRD-1003) Nonresearch and Development</p> <p>Attachment D, National Policy Assurances to be Incorporated as Award Terms</p> <p>Attachment E, Statement of Project Objectives ASAP: NO Extent Competed: COMPETED Davis-Bacon Act: NO Fund: 05846 Appr Year: 2009 Allottee: 60 Report Entity: 302931 Object Class: 25100 Program: 3123742 Project: 2006000 WFO: 0000000 Local Use: 0000000 TAS Agency: 89 TAS Account: 0328</p>				

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JULY 2004

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## 1. RESOLUTION OF CONFLICTING CONDITIONS

Any apparent inconsistency between Federal statutes and regulations and the terms and conditions contained in this award must be referred to the DOE Award Administrator for guidance.

## 2. AWARD PROJECT PERIOD AND BUDGET PERIOD

The Period of Performance for this Award is sixty (60) months from the effective date. The project start date will be 03/10/2010. Project implementation shall not exceed thirty-six (36) months. The balance of the Period of Performance will be for data collection activities.

## 3. PAYMENT PROCEDURES - REIMBURSEMENT THROUGH THE AUTOMATED CLEARING HOUSE (ACH) VENDER INQUIRY PAYMENT ELECTRONIC REPORTING SYSTEM (VIPERS)

- a. Method of Payment. Payment will be made by reimbursement through ACH.
- b. Requesting Reimbursement. Requests for reimbursements must be made electronically through Department of Energy's Oak Ridge Financial Service Center (ORFSC) VIPERS. To access and use VIPERS, you must enroll at <https://finweb.oro.doe.gov/vipers.htm>. Detailed instructions on how to enroll are provided on the web site.

You must submit a Standard Form (SF) 270, "Request for Advance or Reimbursement" at <https://finweb.oro.doe.gov/vipers.htm> and attach a file containing appropriate supporting documentation. The file attachment must show the total federal share claimed on the SF 270, the non-federal share claimed for the billing period, and cumulative expenditures to date (both Federal and non-Federal) for each of the following categories: salaries/wages and fringe benefits; equipment; travel; participant/training support costs, if any; other direct costs, including subawards/contracts; and indirect costs

- c. Timing of submittals. Submittal of the SF 270 should coincide with your normal billing pattern, but not more frequently than every two weeks. Requests for reimbursement must be limited to the amount of disbursements made during the billing period for the federal share of direct project costs and the proportionate share of any allowable indirect costs incurred during that billing period.
- d. Adjusting payment requests for available cash. You must disburse any funds that are available from repayments to and interest earned on a revolving fund, program income, rebates, refunds, contract settlements, audit recoveries, credits, discounts, and interest earned on any of those funds before requesting additional cash payments from DOE.
- e. Payments. The DOE approving official will approve the invoice as soon as practicable but not later than 30 days after your request is received, unless the billing is improper. Upon receipt of an invoice payment authorization from the DOE approving official, the ORFSC will disburse payment to you. You may check the status of your payments at the VIPER web site. All payments are made by electronic funds transfer to the bank account identified on the ACH Vendor/Miscellaneous Payment Enrollment Form (SF 3881) that you filed.

## 4. MAXIMUM OBLIGATION

The maximum obligation of the DOE is limited to the amount shown on the Agreement Face Page. You are not obligated to continue performance of the project beyond the total amount obligated and your pro rata share of the project costs.

**5. COST SHARING FFRDC'S NOT INVOLVED**

a. Total Estimated Project Cost is the sum of the Government share and Recipient share of the estimated project costs. The Recipient's cost share must come from non-Federal sources unless otherwise allowed by law. By accepting federal funds under this award, you agree that you are liable for your percentage share of total allowable project costs, even if the project is terminated early or is not funded to its completion. This cost is shared as follows:

Government Share \$ / %	Recipient Share \$ / %	Total Estimated Cost
\$9,538,234 - 49%	\$10,097,981- 51%	\$19,636,215

b. If you discover that you may be unable to provide cost sharing of at least the amount identified in paragraph a of this article, you should immediately provide written notification to the DOE Award Administrator indicating whether you will continue or phase out the project. If you plan to continue the project, the notification must describe how replacement cost sharing will be secured.

c. You must maintain records of all project costs that you claim as cost sharing, including in-kind costs, as well as records of costs to be paid by DOE. Such records are subject to audit.

d. Failure to provide the cost sharing required by this Clause may result in the subsequent recovery by DOE of some or all the funds provided under the award.

**6. REBUDGETING AND RECOVERY OF INDIRECT COSTS - REIMBURSABLE INDIRECT COSTS AND FRINGE BENEFITS**

a. If actual allowable indirect costs are less than those budgeted and funded under the award, you may use the difference to pay additional allowable direct costs during the project period. If at the completion of the award the Government's share of total allowable costs (i.e., direct and indirect), is less than the total costs reimbursed, you must refund the difference.

b. Recipients are expected to manage their indirect costs. DOE will not amend an award to provide additional funds for changes in indirect cost rates. DOE recognizes that the inability to obtain full reimbursement for indirect costs means the Recipient must absorb the under-recovery. Such under-recovery may be allocated as part of the organization's required cost sharing.

**7. PRE-AWARD COSTS (As Applicable)**

Any work performed prior to the effective date of award stated on the Agreement Face Page is done at the recipient's risk. You are able to recoup costs incurred on or after August 6, 2009, that are otherwise allowable. All pre-award costs must be in accordance with the applicable Federal Cost principles referenced in 10 C.F.R. 600.

**8. USE OF PROGRAM INCOME - COST SHARING**

If you earn program income during the project period as a result of this award, you may use the program income to meet your cost sharing requirement.

**9. STATEMENT OF FEDERAL STEWARDSHIP**

DOE will exercise Federal stewardship in overseeing the project activities performed under this award. Stewardship activities include, but are not limited to, conducting site visits; reviewing performance and financial reports; providing technical assistance and/or temporary intervention in unusual circumstances to correct deficiencies which develop during the project; assuring compliance with terms and conditions; and reviewing technical performance after project completion to ensure that the award objectives have been accomplished.

## 10. SITE VISITS

DOE's authorized representatives have the right to make site visits at reasonable times to review project accomplishments and management control systems and to provide technical assistance, if required. You must provide, and must require your subawardees to provide, reasonable access to facilities, office space, resources, and assistance for the safety and convenience of the government representatives in the performance of their duties. All site visits and evaluations must be performed in a manner that does not unduly interfere with or delay the work.

The DOE will be provided reasonable access to Recipient facilities to verify the installation, configuration, and operational status of the components, devices, facilities, and systems being installed under this award. The DOE shall request access reasonably in advance and shall be accompanied by representative(s) of the Recipient.

## 11. REPORTING REQUIREMENTS

The reporting requirements for this award are identified on the Federal Assistance Reporting Checklist, DOE F 4600.2, attached to this award. Failure to comply with these reporting requirements is considered a material noncompliance with the terms of the award. Noncompliance may result in withholding of future payments, suspension, or termination of the current award. A willful failure to perform, a history of failure to perform, or unsatisfactory performance may also result in a debarment action to preclude future awards by Federal agencies.

## 12. PUBLICATIONS

If you publish or otherwise make publicly available the results of the work conducted under the award, an acknowledgment of Federal support and a disclaimer must appear in the publication of any material, whether copyrighted or not, based on or developed under this project, as follows:

Acknowledgment: "This material is based upon work supported by the Department of Energy under Award Number(s) [*Enter the award number(s)*]."

Disclaimer: "This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof."

## 13. FEDERAL, STATE, AND MUNICIPAL REQUIREMENTS

You must obtain any required permits and comply with applicable federal, state, and municipal laws, codes, and regulations for work performed under this award.

## 14. LOBBYING RESTRICTIONS

By accepting funds under this award, you agree that none of the funds obligated on the award shall be expended, directly or indirectly, to influence congressional action on any legislation or appropriation matters pending before Congress, other than to communicate to Members of Congress as described in 18 U.S.C. 1913. This restriction is in addition to those prescribed elsewhere in statute and regulation.

## 15. NOTICE REGARDING THE PURCHASE OF AMERICAN-MADE EQUIPMENT AND

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## **PRODUCTS -- SENSE OF CONGRESS**

It is the sense of the Congress that, to the greatest extent practicable, all equipment and products purchased with funds made available under this award should be American-made.

### **16. PROPERTY**

Real property and equipment acquired by the Recipient shall be subject to the rules set forth in 10 CFR 600.321.

Consistent with the goals and objectives of this project, the Recipient may continue to use real property and equipment purchased in whole or in part with Federal funds under this award for its authorized purpose beyond the Period of Performance without obligation to make payment to DOE to extinguish DOE's interest in such property as described in 10 CFR 600.321, subject to the following: (a) the Recipient continues to utilize such property for the objectives of the project as set forth in the Statement of Project Objectives; (b) DOE retains the right to periodically ask for, and the Recipient agrees to provide, reasonable information concerning the use and condition of the property; and (c) the Recipient follows the property disposition rules set forth in 10 CFR 600.321 if the property is no longer used by the Recipient for the objectives of the project, and the fair market value of property exceeds \$5,000.

Once the per unit fair market value of the property is less than \$5,000, pursuant to 10 CFR 600.321(f)(1)(i), DOE's interest in the property shall be extinguished and Recipient shall have no further obligation to the DOE with respect to the property.

Consistent with the 10 C.F.R. §§ 600.132(a), 600.134(c), and 600.321(b)(2), a recipient may request that the DOE contracting officer consider approving encumbrance of real property and equipment purchased in whole or in part with Federal funds under the award.

### **17. INSOLVENCY, BANKRUPTCY OR RECEIVERSHIP**

a. You shall immediately notify the DOE of the occurrence of any of the following events: (i) you or your parent's filing of a voluntary case seeking liquidation or reorganization under the Bankruptcy Act, (ii) your consent to the institution of an involuntary case under the Bankruptcy Act against you or your parent; (iii) the filing of any similar proceeding for or against you or your parent, or its consent to, the dissolution, winding-up or readjustment of your debts, appointment of a receiver, conservator, trustee, or other officer with similar powers over you, under any other applicable state or federal law; or (iv) your insolvency due to your inability to pay your debts generally as they become due.

b. Such notification shall be in writing and shall: (i) specifically set out the details of the occurrence of an event referenced in paragraph a; (ii) provide the facts surrounding that event; and (iii) provide the impact such event will have on the project being funded by this award.

c. Upon the occurrence of any of the four events described in the first paragraph, DOE reserves the right to conduct a review of your award to determine your compliance with the required elements of the award (including such items as cost share, progress towards technical project objectives, and submission of required reports). If the DOE review determines that there are significant deficiencies or concerns with your performance under the award, DOE reserves the right to impose additional requirements, as needed to institute payment controls.

d. Failure of the Recipient to comply with this provision may be considered a material noncompliance of this financial assistance award by the Contracting Officer.

### **18. NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) REQUIREMENTS**

The project proposed and approved by DOE as detailed in this award is categorically excluded from National Environmental Policy Act (NEPA) requirements. However, if the project changes or is

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supplemented your work associated with the new activity is restricted from taking any action using Federal funds, which would have an adverse effect on the environment or limit the choice of reasonable alternatives prior to DOE providing either a NEPA clearance or a final NEPA decision regarding this project.

If you move forward with activities that are not authorized for federal funding by the DOE Contracting Officer in advance of the final NEPA decision, you are doing so at risk of not receiving federal funding and such costs may not be recognized as allowable cost share.

#### **19. FINAL INCURRED COST AUDIT**

In accordance with 10 CFR 600, DOE reserves the right to initiate a final incurred cost audit on this award. If the audit has not been performed or completed prior to the closeout of the award, DOE retains the right to recover an appropriate amount after fully considering the recommendations on disallowed costs resulting from the final audit.

#### **20. SPECIAL PROVISIONS RELATING TO WORK FUNDED UNDER AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009 (MAR 2009)**

##### **Preamble**

The American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, (Recovery Act) was enacted to preserve and create jobs and promote economic recovery, assist those most impacted by the recession, provide investments needed to increase economic efficiency by spurring technological advances in science and health, invest in transportation, environmental protection, and other infrastructure that will provide long-term economic benefits, stabilize State and local government budgets, in order to minimize and avoid reductions in essential services and counterproductive State and local tax increases. Recipients shall use grant funds in a manner that maximizes job creation and economic benefit.

The Recipient shall comply with all terms and conditions in the Recovery Act relating generally to governance, accountability, transparency, data collection and resources as specified in Act itself and as discussed below.

Recipients should begin planning activities for their first tier subrecipients, including obtaining a DUNS number (or updating the existing DUNS record), and registering with the Central Contractor Registration (CCR).

Be advised that Recovery Act funds can be used in conjunction with other funding as necessary to complete projects, but tracking and reporting must be separate to meet the reporting requirements of the Recovery Act and related guidance. For projects funded by sources other than the Recovery Act, Contractors must keep separate records for Recovery Act funds and to ensure those records comply with the requirements of the Act.

The Government has not fully developed the implementing instructions of the Recovery Act, particularly concerning specific procedural requirements for the new reporting requirements. The Recipient will be provided these details as they become available. The Recipient must comply with all requirements of the Act. If the Recipient believes there is any inconsistency between ARRA requirements and current award terms and conditions, the issues will be referred to the Contracting Officer for reconciliation.

##### **Definitions**

For purposes of this clause, Covered Funds means funds expended or obligated from appropriations under the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5. Covered Funds will have special accounting codes and will be identified as Recovery Act funds in the grant, cooperative agreement or TIA and/or modification using Recovery Act funds. Covered Funds must be reimbursed by September 30,

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2015.

Non-Federal employer means any employer with respect to covered funds -- the contractor, subcontractor, grantee, or Recipient, as the case may be, if the contractor, subcontractor, grantee, or Recipient is an employer; and any professional membership organization, certification of other professional body, any agent or licensee of the Federal government, or any person acting directly or indirectly in the interest of an employer receiving covered funds; or with respect to covered funds received by a State or local government, the State or local government receiving the funds and any contractor or subcontractor receiving the funds and any contractor or subcontractor of the State or local government; and does not mean any department, agency, or other entity of the federal government.

Recipient means any entity that receives Recovery Act funds directly from the Federal government (including Recovery Act funds received through grant, loan, or contract) other than an individual and includes a State that receives Recovery Act Funds.

Special Provisions

A. Flow Down Requirement

Recipients must include these special terms and conditions in any subaward.

B. Segregation of Costs

Recipients must segregate the obligations and expenditures related to funding under the Recovery Act. Financial and accounting systems should be revised as necessary to segregate, track and maintain these funds apart and separate from other revenue streams. No part of the funds from the Recovery Act shall be commingled with any other funds or used for a purpose other than that of making payments for costs allowable for Recovery Act projects.

C. Prohibition on Use of Funds

None of the funds provided under this agreement derived from the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, may be used by any State or local government, or any private entity, for any casino or other gambling establishment, aquarium, zoo, golf course, or swimming pool.

D. Access to Records

With respect to each financial assistance agreement awarded utilizing at least some of the funds appropriated or otherwise made available by the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, any representative of an appropriate inspector general appointed under section 3 or 8G of the Inspector General Act of 1988 (5 U.S.C. App.) or of the Comptroller General is authorized --

(1) to examine any records of the contractor or grantee, any of its subcontractors or subgrantees, or any State or local agency administering such contract that pertain to, and involve transactions that relate to, the subcontract, subgrant, grant, or subgrant; and

(2) to interview any officer or employee of the contractor, grantee, subgrantee, or agency regarding such transactions.

E. Publication

An application may contain technical data and other data, including trade secrets and/or privileged or confidential information, which the applicant does not want disclosed to the public or used by the Government for any purpose other than the application. To protect such data, the applicant should specifically identify each page including each line or paragraph thereof containing the data to be protected and mark the cover sheet of the application with the following Notice as well as referring to the Notice on each page to which the Notice applies:



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Notice of Restriction on Disclosure and Use of Data

The data contained in pages ---- of this application have been submitted in confidence and contain trade secrets or proprietary information, and such data shall be used or disclosed only for evaluation purposes, provided that if this applicant receives an award as a result of or in connection with the submission of this application, DOE shall have the right to use or disclose the data here to the extent provided in the award. This restriction does not limit the Government's right to use or disclose data obtained without restriction from any source, including the applicant.

Information about this agreement will be published on the Internet and linked to the website [www.recovery.gov](http://www.recovery.gov), maintained by the Accountability and Transparency Board. The Board may exclude posting contractual or other information on the website on a case-by-case basis when necessary to protect national security or to protect information that is not subject to disclosure under sections 552 and 552a of title 5, United States Code.

F. Protecting State and Local Government and Contractor Whistleblowers.

The requirements of Section 1553 of the Act are summarized below. They include, but are not limited to:

**Prohibition on Reprisals:** An employee of any non-Federal employer receiving covered funds under the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, may not be discharged, demoted, or otherwise discriminated against as a reprisal for disclosing, including a disclosure made in the ordinary course of an employee's duties, to the Accountability and Transparency Board, an inspector general, the Comptroller General, a member of Congress, a State or Federal regulatory or law enforcement agency, a person with supervisory authority over the employee (or other person working for the employer who has the authority to investigate, discover or terminate misconduct), a court or grand jury, the head of a Federal agency, or their representatives information that the employee believes is evidence of:

- gross mismanagement of an agency contract or grant relating to covered funds;
- a gross waste of covered funds;
- a substantial and specific danger to public health or safety related to the implementation or use of covered funds;
- an abuse of authority related to the implementation or use of covered funds; or
- as violation of law, rule, or regulation related to an agency contract (including the competition for or negotiation of a contract) or grant, awarded or issued relating to covered funds.

**Agency Action:** Not later than 30 days after receiving an inspector general report of an alleged reprisal, the head of the agency shall determine whether there is sufficient basis to conclude that the non-Federal employer has subjected the employee to a prohibited reprisal. The agency shall either issue an order denying relief in whole or in part or shall take one or more of the following actions:

- Order the employer to take affirmative action to abate the reprisal.
- Order the employer to reinstate the person to the position that the person held before the reprisal, together with compensation including back pay, compensatory damages, employment benefits, and other terms and conditions of employment that would apply to the person in that position if the reprisal had not been taken.
- Order the employer to pay the employee an amount equal to the aggregate amount of all costs and expenses (including attorneys' fees and expert witnesses' fees) that were reasonably incurred by the employee for or in connection with, bringing the complaint regarding the reprisal, as determined by the head of a court of competent jurisdiction.

**Nonenforceability of Certain Provisions Waiving Rights and Remedies or Requiring Arbitration:** Except as provided in a collective bargaining agreement, the rights and remedies provided to aggrieved employees by this section may not be waived by any agreement, policy, form, or condition of employment, including any predispute arbitration agreement. No predispute arbitration agreement shall be valid or enforceable if it requires arbitration of a dispute arising out of this section.

**Requirement to Post Notice of Rights and Remedies:** Any employer receiving covered funds under the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, shall post notice of the rights and

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remedies as required therein. (Refer to section 1553 of the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, www.Recovery.gov, for specific requirements of this section and prescribed language for the notices.)

G. "RESERVED"

H. False Claims Act

Recipient and sub-recipients shall promptly refer to the DOE or other appropriate Inspector General any credible evidence that a principal, employee, agent, contractor, sub-grantee, subcontractor or other person has submitted a false claim under the False Claims Act or has committed a criminal or civil violation of laws pertaining to fraud, conflict of interest, bribery, gratuity or similar misconduct involving those funds.

I. Information in Support of Recovery Act Reporting

Recipient may be required to submit backup documentation for expenditures of funds under the Recovery Act including such items as timecards and invoices. Recipient shall provide copies of backup documentation at the request of the Contracting Officer or designee.

J. Availability of Funds

Funds appropriated under the Recovery Act and obligated to this award are available for reimbursement of costs until September 30, 2015.

K. Additional Funding Distribution and Assurance of Appropriate Use of Funds (As Applicable)

Certification by Governor -- Not later than April 3, 2009, for funds provided to any State or agency thereof by the American Reinvestment and Recovery Act of 2009, Pub. L. 111-5, the Governor of the State shall certify that: 1) the state will request and use funds provided by the Act; and 2) the funds will be used to create jobs and promote economic growth.

Acceptance by State Legislature -- If funds provided to any State in any division of the Act are not accepted for use by the Governor, then acceptance by the State legislature, by means of the adoption of a concurrent resolution, shall be sufficient to provide funding to such State.

Distribution -- After adoption of a State legislature's concurrent resolution, funding to the State will be for distribution to local governments, councils of government, public entities, and public-private entities within the State either by formula or at the State's discretion.

L. Certifications (As Applicable)

With respect to funds made available to State or local governments for infrastructure investments under the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, the Governor, mayor, or other chief executive, as appropriate, certified by acceptance of this award that the infrastructure investment has received the full review and vetting required by law and that the chief executive accepts responsibility that the infrastructure investment is an appropriate use of taxpayer dollars. Recipient shall provide an additional certification that includes a description of the investment, the estimated total cost, and the amount of covered funds to be used for posting on the Internet. A State or local agency may not receive infrastructure investment funding from funds made available by the Act unless this certification is made and posted.

**21. REPORTING AND REGISTRATION REQUIREMENTS UNDER SECTION 1512 OF THE RECOVERY ACT**

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- (a) This award requires the recipient to complete projects or activities which are funded under the American Recovery and Reinvestment Act of 2009 (Recovery Act) and to report on use of Recovery Act funds provided through this award. Information from these reports will be made available to the public.
- (b) The reports are due no later than ten calendar days after each calendar quarter in which the recipient receives the assistance award funded in whole or in part by the Recovery Act.
- (c) Recipients and their first-tier sub-recipients must maintain current registrations in the Central Contractor Registration (<http://www.ccr.gov>) at all times during which they have active federal awards funded with Recovery Act funds. A Dun and Bradstreet Data Universal Numbering System (DUNS) Number (<http://www.dnb.com>) is one of the requirements for registration in the Central Contractor Registration.
- (d) The recipient shall report the information described in section 1512(c) of the Recovery Act using the reporting instructions and data elements that will be provided online at <http://www.FederalReporting.gov> and ensure that any information that is pre-filled is corrected or updated as needed.

**22. REQUIRED USE OF AMERICAN IRON, STEEL, AND MANUFACTURED GOODS --  
SECTION 1605 OF THE AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009**

(a) Definitions. As used in this award term and condition--

(1) Manufactured good means a good brought to the construction site for incorporation into the building or work that has been--

(i) Processed into a specific form and shape; or

(ii) Combined with other raw material to create a material that has different properties than the properties of the individual raw materials.

(2) Public building and public work means a public building of, and a public work of, a governmental entity (the United States; the District of Columbia; commonwealths, territories, and minor outlying islands of the United States; State and local governments; and multi-State, regional, or interstate entities which have governmental functions). These buildings and works may include, without limitation, bridges, dams, plants, highways, parkways, streets, subways, tunnels, sewers, mains, power lines, pumping stations, heavy generators, railways, airports, terminals, docks, piers, wharves, ways, lighthouses, buoys, jetties, breakwaters, levees, and canals, and the construction, alteration, maintenance, or repair of such buildings and works.

(3) Steel means an alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements.

(b) Domestic preference. (1) This award term and condition implements Section 1605 of the American Recovery and Reinvestment Act of 2009 (Recovery Act) (Pub. L. 111--5), by requiring that all iron, steel, and manufactured goods used in the project are produced in the United States except as provided in paragraph (b)(3) and (b)(4) of this section and condition.

(2) This requirement does not apply to the material listed by the Federal Government as follows: "NONE"

(3) The award official may add other iron, steel, and/or manufactured goods to the list in paragraph (b)(2) of this section and condition if the Federal Government determines that--

(i) The cost of the domestic iron, steel, and/or manufactured goods would be unreasonable. The cost of domestic iron, steel, or manufactured goods used in the project is unreasonable when the cumulative cost of such material will increase the cost of the overall project by more than 25 percent;

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- (ii) The iron, steel, and/or manufactured good is not produced, or manufactured in the United States in sufficient and reasonably available quantities and of a satisfactory quality; or
- (iii) The application of the restriction of section 1605 of the Recovery Act would be inconsistent with the public interest.
- (c) Request for determination of inapplicability of Section 1605 of the Recovery Act . (1)(i) Any recipient request to use foreign iron, steel, and/or manufactured goods in accordance with paragraph (b)(3) of this section shall include adequate information for Federal Government evaluation of the request, including--
- (A) A description of the foreign and domestic iron, steel, and/or manufactured goods;
  - (B) Unit of measure;
  - (C) Quantity;
  - (D) Cost;
  - (E) Time of delivery or availability;
  - (F) Location of the project;
  - (G) Name and address of the proposed supplier; and
  - (H) A detailed justification of the reason for use of foreign iron, steel, and/or manufactured goods cited in accordance with paragraph (b)(3) of this section.
- (ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed cost comparison table in the format in paragraph (d) of this section.
- (iii) The cost of iron, steel, and/or manufactured goods material shall include all delivery costs to the construction site and any applicable duty.
- (iv) Any recipient request for a determination submitted after Recovery Act funds have been obligated for a project for construction, alteration, maintenance, or repair shall explain why the recipient could not reasonably foresee the need for such determination and could not have requested the determination before the funds were obligated. If the recipient does not submit a satisfactory explanation, the award official need not make a determination.
- (2) If the Federal Government determines after funds have been obligated for a project for construction, alteration, maintenance, or repair that an exception to section 1605 of the Recovery Act applies, the award official will amend the award to allow use of the foreign iron, steel, and/or relevant manufactured goods. When the basis for the exception is nonavailability or public interest, the amended award shall reflect adjustment of the award amount, redistribution of budgeted funds, and/or other actions taken to cover costs associated with acquiring or using the foreign iron, steel, and/or relevant manufactured goods. When the basis for the exception is the unreasonable cost of the domestic iron, steel, or manufactured goods, the award official shall adjust the award amount or redistribute budgeted funds by at least the differential established in 2 CFR 176.110(a).
- (3) Unless the Federal Government determines that an exception to section 1605 of the Recovery Act applies, use of foreign iron, steel, and/or manufactured goods is noncompliant with section 1605 of the American Recovery and Reinvestment Act.
- (d) Data. To permit evaluation of requests under paragraph (b) of this section based on unreasonable cost, the Recipient shall include the following information and any applicable supporting data based on the survey of suppliers:

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Foreign and Domestic Items Cost Comparison

Description	Unit of measure	Quantity	Cost (dollars)*
Item 1:			
Foreign steel, iron, or manufactured good	_____	_____	_____
Domestic steel, iron, or manufactured good	_____	_____	_____
Item 2:			
Foreign steel, iron, or manufactured good	_____	_____	_____
Domestic steel, iron, or manufactured good	_____	_____	_____

[List name, address, telephone number, email address, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]

[Include other applicable supporting information.]  
[\*Include all delivery costs to the construction site.]

**23. REQUIRED USE OF AMERICAN IRON, STEEL, AND MANUFACTURED GOODS  
(COVERED UNDER INTERNATIONAL AGREEMENTS)--SECTION 1605 OF THE AMERICAN  
RECOVERY AND REINVESTMENT ACT OF 2009**

(a) Definitions. As used in this award term and condition--

Designated country --(1) A World Trade Organization Government Procurement Agreement country (Aruba, Austria, Belgium, Bulgaria, Canada, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, Ireland, Israel, Italy, Japan, Korea (Republic of), Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, and United Kingdom;

(2) A Free Trade Agreement (FTA) country (Australia, Bahrain, Canada, Chile, Costa Rica, Dominican Republic, El Salvador, Guatemala, Honduras, Israel, Mexico, Morocco, Nicaragua, Oman, Peru, or Singapore); or

(3) A United States-European Communities Exchange of Letters (May 15, 1995) country: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, and United Kingdom.

Designated country iron, steel, and/or manufactured goods --(1) Is wholly the growth, product, or manufacture of a designated country; or

(2) In the case of a manufactured good that consist in whole or in part of materials from another country, has been substantially transformed in a designated country into a new and different manufactured good distinct from the materials from which it was transformed.

Domestic iron, steel, and/or manufactured good --(1) Is wholly the growth, product, or manufacture of the United States; or

(2) In the case of a manufactured good that consists in whole or in part of materials from another country, has been substantially transformed in the United States into a new and different manufactured good distinct from the materials from which it was transformed. There is no requirement with regard to the origin of components or subcomponents in manufactured goods or products, as long as the manufacture of the goods occurs in the United States.

Foreign iron, steel, and/or manufactured good means iron, steel and/or manufactured good that is not domestic or designated country iron, steel, and/or manufactured good.

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Manufactured good means a good brought to the construction site for incorporation into the building or work that has been--

- (1) Processed into a specific form and shape; or
- (2) Combined with other raw material to create a material that has different properties than the properties of the individual raw materials.

Public building and public work means a public building of, and a public work of, a governmental entity (the United States; the District of Columbia; commonwealths, territories, and minor outlying islands of the United States; State and local governments; and multi-State, regional, or interstate entities which have governmental functions). These buildings and works may include, without limitation, bridges, dams, plants, highways, parkways, streets, subways, tunnels, sewers, mains, power lines, pumping stations, heavy generators, railways, airports, terminals, docks, piers, wharves, ways, lighthouses, buoys, jetties, breakwaters, levees, and canals, and the construction, alteration, maintenance, or repair of such buildings and works.

Steel means an alloy that includes at least 50 percent iron, between .02 and 2 percent carbon, and may include other elements.

(b) Iron, steel, and manufactured goods. (1) The award term and condition described in this section implements--

- (i) Section 1605(a) of the American Recovery and Reinvestment Act of 2009 (Pub. L. 111--5) (Recovery Act), by requiring that all iron, steel, and manufactured goods used in the project are produced in the United States; and
- (ii) Section 1605(d), which requires application of the Buy American requirement in a manner consistent with U.S. obligations under international agreements. The restrictions of section 1605 of the Recovery Act do not apply to designated country iron, steel, and/or manufactured goods. The Buy American requirement in section 1605 shall not be applied where the iron, steel or manufactured goods used in the project are from a Party to an international agreement that obligates the recipient to treat the goods and services of that Party the same as domestic goods and services. This obligation shall only apply to projects with an estimated value of \$7,443,000 or more.

(2) The recipient shall use only domestic or designated country iron, steel, and manufactured goods in performing the work funded in whole or part with this award, except as provided in paragraphs (b)(3) and (b)(4) of this section.

(3) The requirement in paragraph (b)(2) of this section does not apply to the iron, steel, and manufactured goods listed by the Federal Government as follows:

---

None

(4) The award official may add other iron, steel, and manufactured goods to the list in paragraph (b)(3) of this section if the Federal Government determines that--

- (i) The cost of domestic iron, steel, and/or manufactured goods would be unreasonable. The cost of domestic iron, steel, and/or manufactured goods used in the project is unreasonable when the cumulative cost of such material will increase the overall cost of the project by more than 25 percent;
- (ii) The iron, steel, and/or manufactured good is not produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality; or

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(iii) The application of the restriction of section 1605 of the Recovery Act would be inconsistent with the public interest.

(c) Request for determination of inapplicability of section 1605 of the Recovery Act or the Buy American Act. (1)(i) Any recipient request to use foreign iron, steel, and/or manufactured goods in accordance with paragraph (b)(4) of this section shall include adequate information for Federal Government evaluation of the request, including--

(A) A description of the foreign and domestic iron, steel, and/or manufactured goods;

(B) Unit of measure;

(C) Quantity;

(D) Cost;

(E) Time of delivery or availability;

(F) Location of the project;

(G) Name and address of the proposed supplier; and

(H) A detailed justification of the reason for use of foreign iron, steel, and/or manufactured goods cited in accordance with paragraph (b)(4) of this section.

(ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed cost comparison table in the format in paragraph (d) of this section.

(iii) The cost of iron, steel, or manufactured goods shall include all delivery costs to the construction site and any applicable duty.

(iv) Any recipient request for a determination submitted after Recovery Act funds have been obligated for a project for construction, alteration, maintenance, or repair shall explain why the recipient could not reasonably foresee the need for such determination and could not have requested the determination before the funds were obligated. If the recipient does not submit a satisfactory explanation, the award official need not make a determination.

(2) If the Federal Government determines after funds have been obligated for a project for construction, alteration, maintenance, or repair that an exception to section 1605 of the Recovery Act applies, the award official will amend the award to allow use of the foreign iron, steel, and/or relevant manufactured goods. When the basis for the exception is nonavailability or public interest, the amended award shall reflect adjustment of the award amount, redistribution of budgeted funds, and/or other appropriate actions taken to cover costs associated with acquiring or using the foreign iron, steel, and/or relevant manufactured goods. When the basis for the exception is the unreasonable cost of the domestic iron, steel, or manufactured goods, the award official shall adjust the award amount or redistribute budgeted funds, as appropriate, by at least the differential established in 2 CFR 176.110(a).

(3) Unless the Federal Government determines that an exception to section 1605 of the Recovery Act applies, use of foreign iron, steel, and/or manufactured goods other than designated country iron, steel, and/or manufactured goods is noncompliant with the applicable Act.

(d) Data. To permit evaluation of requests under paragraph (b) of this section based on unreasonable cost, the applicant shall include the following information and any applicable supporting data based on the survey of suppliers:

Foreign and Domestic Items Cost Comparison

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Attachment

Description (dollars)*	Unit of measure	Quantity	Cost
Item 1:			
Foreign steel, iron, or manufactured good	_____	_____	_____
Domestic steel, iron, or manufactured good	_____	_____	_____
Item 2:			
Foreign steel, iron, or manufactured good	_____	_____	_____
Domestic steel, iron, or manufactured good	_____	_____	_____

[List name, address, telephone number, email address, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]

[Include other applicable supporting information.]

[\*Include all delivery costs to the construction site.]

**24. WAGE RATE REQUIREMENTS UNDER SECTION 1606 OF THE RECOVERY ACT (As Applicable)**

(a) Section 1606 of the Recovery Act requires that all laborers and mechanics employed by contractors and subcontractors on projects funded directly by or assisted in whole or in part by and through the Federal Government pursuant to the Recovery Act shall be paid wages at rates not less than those prevailing on projects of a character similar in the locality as determined by the Secretary of Labor in accordance with subchapter IV of chapter 31 of title 40, United States Code.

Pursuant to Reorganization Plan No. 14 and the Copeland Act, 40 U.S.C. 3145, the Department of Labor has issued regulations at 29 CFR parts 1, 3, and 5 to implement the Davis-Bacon and related Acts. Regulations in 29 CFR 5.5 instruct agencies concerning application of the standard Davis-Bacon contract clauses set forth in that section. Federal agencies providing grants, cooperative agreements, and loans under the Recovery Act shall ensure that the standard Davis-Bacon contract clauses found in 29 CFR 5.5(a) are incorporated in any resultant covered contracts that are in excess of \$2,000 for construction, alteration or repair (including painting and decorating).

(b) For additional guidance on the wage rate requirements of section 1606, contact your awarding agency. Recipients of grants, cooperative agreements and loans should direct their initial inquiries concerning the application of Davis-Bacon requirements to a particular federally assisted project to the Federal agency funding the project. The Secretary of Labor retains final coverage authority under Reorganization Plan Number 14.

**25. RECOVERY ACT TRANSACTIONS LISTED IN SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS AND RECIPIENT RESPONSIBILITIES FOR INFORMING SUBRECIPIENTS**

(a) To maximize the transparency and accountability of funds authorized under the American Recovery and Reinvestment Act of 2009 (Pub. L. 111--5) (Recovery Act) as required by Congress and in accordance with 2 CFR 215.21 "Uniform Administrative Requirements for Grants and Agreements" and OMB Circular A--102 Common Rules provisions, recipients agree to maintain records that identify adequately the source and application of Recovery Act funds. OMB Circular A--102 is available at <http://www.whitehouse.gov/omb/circulars/a102/a102.html>.

(b) For recipients covered by the Single Audit Act Amendments of 1996 and OMB Circular A--133, "Audits of States, Local Governments, and Non-Profit Organizations," recipients agree to separately identify the expenditures for Federal awards under the Recovery Act on the Schedule of Expenditures of Federal Awards (SEFA) and the Data Collection Form (SF--SAC) required by OMB Circular A--133. OMB Circular A--133 is available at <http://www.whitehouse.gov/omb/circulars/a133/a133.html>. This shall be accomplished by identifying expenditures for Federal awards made under the Recovery Act separately



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on the SEFA, and as separate rows under Item 9 of Part III on the SF--SAC by CFDA number, and inclusion of the prefix "ARRA-" in identifying the name of the Federal program on the SEFA and as the first characters in Item 9d of Part III on the SF--SAC.

(c) Recipients agree to separately identify to each subrecipient, and document at the time of subaward and at the time of disbursement of funds, the Federal award number, CFDA number, and amount of Recovery Act funds. When a recipient awards Recovery Act funds for an existing program, the information furnished to subrecipients shall distinguish the subawards of incremental Recovery Act funds from regular subawards under the existing program.

(d) Recipients agree to require their subrecipients to include on their SEFA information to specifically identify Recovery Act funding similar to the requirements for the Recipient SEFA described above. This information is needed to allow the Recipient to properly monitor subrecipient expenditure of ARRA funds as well as oversight by the Federal awarding agencies, Offices of Inspector General and the Government Accountability Office.

**26. DAVIS BACON ACT AND CONTRACT WORK HOURS AND SAFETY STANDARDS ACT (NOV 2009) (If Applicable)**

**Definitions:** For purposes of this clause, Clause 27, Davis Bacon Act and Contract Work Hours and Safety Standards Act, the following definitions are applicable:

(1) "Award" means any grant, cooperative agreement or technology investment agreement made with Recovery Act funds by the Department of Energy (DOE) to a Recipient. Such Award must require compliance with the labor standards clauses and wage rate requirements of the Davis-Bacon Act (DBA) for work performed by all laborers and mechanics employed by Recipients (other than a unit of State or local government whose own employees perform the construction) Subrecipients, Contractors, and subcontractors.

(2) "Contractor" means an entity that enters into a Contract. For purposes of these clauses, Contractor shall include (as applicable) prime contractors, Recipients, Subrecipients, and Recipients' or Subrecipients' contractors, subcontractors, and lower-tier subcontractors. "Contractor" does not mean a unit of State or local government where construction is performed by its own employees."

(3) "Contract" means a contract executed by a Recipient, Subrecipient, prime contractor, or any tier subcontractor for construction, alteration, or repair. It may also mean (as applicable) (i) financial assistance instruments such as grants, cooperative agreements, technology investment agreements, and loans; and, (ii) Sub awards, contracts and subcontracts issued under financial assistance agreements. "Contract" does not mean a financial assistance instrument with a unit of State or local government where construction is performed by its own employees.

(4) "Contracting Officer" means the DOE official authorized to execute an Award on behalf of DOE and who is responsible for the business management and non-program aspects of the financial assistance process.

(5) "Recipient" means any entity other than an individual that receives an Award of Federal funds in the form of a grant, cooperative agreement, or technology investment agreement directly from the Federal Government and is financially accountable for the use of any DOE funds or property, and is legally responsible for carrying out the terms and conditions of the program and Award.

(6) "Subaward" means an award of financial assistance in the form of money, or property in lieu of money, made under an award by a Recipient to an eligible Subrecipient or by a Subrecipient to a lower-tier subrecipient. The term includes financial assistance when provided by any legal

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agreement, even if the agreement is called a contract, but does not include the Recipient's procurement of goods and services to carry out the program nor does it include any form of assistance which is excluded from the definition of "Award" above.

(7) "Subrecipient" means a non-Federal entity that expends Federal funds received from a Recipient to carry out a Federal program, but does not include an individual that is a beneficiary of such a program.

**(a) Davis Bacon Act**

(1) Minimum wages.

(i) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and, without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in § 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein, *provided* that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(ii)(A) The Contracting Officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the Contract shall be classified in conformance with the wage determination. The Contracting Officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination;
- (2) The classification is utilized in the area by the construction industry; and
- (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the Contracting Officer agree on the classification and wage rate (including the amount designated for fringe

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benefits where appropriate), a report of the action taken shall be sent by the Contracting Officer to the Administrator of the Wage and Hour Division, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the Contracting Officer or will notify the Contracting Officer within the 30-day period that additional time is necessary.

(C) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and the Contracting Officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the Contracting Officer shall refer the questions, including the views of all interested parties and the recommendation of the Contracting Officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the Contracting Officer or will notify the Contracting Officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii)(B) or (C) of this section, shall be paid to all workers performing work in the classification under this Contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the Contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *provided* that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(2) Withholding. The Department of Energy or the Recipient or Subrecipient shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the Contractor under this Contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the Contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the Contract, the Department of Energy, Recipient, or Subrecipient, may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) Payrolls and basic records.

(i) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of

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wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR

5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii) (A) The Contractor shall submit weekly for each week in which any Contract work is performed a copy of all payrolls to the Department of Energy if the agency is a party to the Contract, but if the agency is not such a party, the Contractor will submit the payrolls to the Recipient or Subrecipient (as applicable), applicant, sponsor, or owner, as the case may be, for transmission to the Department of Energy. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead, the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime Contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the Department of Energy if the agency is a party to the Contract, but if the agency is not such a party, the Contractor will submit them to the Recipient or Subrecipient (as applicable), applicant, sponsor, or owner, as the case may be, for transmission to the Department of Energy, the Contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the Recipient or Subrecipient (as applicable), applicant, sponsor, or owner).

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the Contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under § 5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under § 5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the Contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that

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no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the Contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 3729 of title 31 of the United States Code.

(iii) The Contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the Department of Energy or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) Apprentices and trainees—

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a Contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that

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determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees, and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended and 29 CFR part 30.

(5) Compliance with Copeland Act requirements. The Contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this Contract.

(6) Contracts and Subcontracts. The Recipient, Subrecipient, the Recipient's, and Subrecipient's contractors and subcontractor shall insert in any Contracts the clauses contained herein in(a)(1) through (10) and such other clauses as the Department of Energy may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The Recipient shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of the paragraphs in this clause.

(7) Contract termination: debarment. A breach of the Contract clauses in 29 CFR 5.5 may be grounds for termination of the Contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

(8) Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this Contract.

(9) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this Contract shall not be subject to the general disputes clause of this Contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Recipient, Subrecipient, the Contractor (or any of its subcontractors), and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

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(10) Certification of eligibility.

(i) By entering into this Contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this Contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

**(b) Contract Work Hours and Safety Standards Act.** As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

(1) Overtime requirements. No Contractor or subcontractor contracting for any part of the Contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section, the Contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The Department of Energy or the Recipient or Subrecipient shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any other Federal contract with the same prime Contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

(4) Contracts and Subcontracts. The Recipient, Subrecipient, and Recipient's and Subrecipient's contractor or subcontractor shall insert in any Contracts, the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The Recipient shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

(5) The Contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the Contract for all laborers and mechanics, including guards and watchmen, working on the Contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. The records to be maintained under this paragraph shall be made available by the Contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the Department of Energy and the Department of Labor, and the

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Contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

**(c) Recipient Functions (Only if applicable).**

(1) On behalf of the Department of Energy (DOE), Recipient shall perform the following functions:

- (a) Obtain, maintain, and monitor all DBA certified payroll records submitted by the Subrecipients and Contractors at any tier under this Award;
  - (b) Review all DBA certified payroll records for compliance with DBA requirements, including applicable DOL wage determinations;
  - (c) Notify DOE of any non-compliance with DBA requirements by Subrecipients or Contractors at any tier, including any non-compliances identified as the result of reviews performed pursuant to paragraph (b) above;
  - (d) Address any Subrecipient and any Contractor DBA non-compliance issues; if DBA non-compliance issues cannot be resolved in a timely manner, forward complaints, summary of investigations and all relevant information to DOE;
  - (e) Provide DOE with detailed information regarding the resolution of any DBA non-compliance issues;
  - (f) Perform services in support of DOE investigations of complaints filed regarding noncompliance by Subrecipients and Contractors with DBA requirements;
  - (g) Perform audit services as necessary to ensure compliance by Subrecipients and Contractors with DBA requirements and as requested by the Contracting Officer; and
  - (h) Provide copies of all records upon request by DOE or DOL in a timely manner.
- (2) All records maintained on behalf of the DOE in accordance with paragraph (1) above are federal government (DOE) owned records. DOE or an authorized representative shall be granted access to the records at all times.
- (3) In the event of, and in response to any Freedom of Information Act, 5 U.S.C. 552, requests submitted to DOE, Recipient shall provide such records to DOE within 5 business days of receipt of a request from DOE.

**27. GOVERNMENT INSIGHT**

DOE and the Recipient are bound to each other by a duty of good faith and best effort to achieve the goals of the Project. DOE and the Recipient agree to provide early notification to each other of problems or issues which may arise in the performance of this Project, and to work collaboratively to resolve problems.

The Recipient is responsible for the overall Project, including execution, technical and project management, reporting, financial and administrative matters.

In recognition of the significance of this Project to the nation's energy infrastructure and energy agenda the Recipient agrees to provide additional access to project related information. The DOE Program Manager or their designee will be provided access, on a non-interference basis, to technical and project status meetings or tests via telephone or in person to better understand the progress and challenges of the Project. DOE may participate in meetings, reviews, and tests and may provide input and comment but has no right of approval or direction. The Recipient shall notify the DOE Program Manager of meetings, reviews, or tests and



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provide related documents reasonably in advance to permit insight. The Recipient is not expected to delay any aspect of performance to accommodate DOE insight.

DOE federal employees are subject to the provisions of the Trade Secrets Act. If DOE contractor support personnel participate they shall be subject to appropriate obligations of confidentiality to DOE.

#### **28. NO COST EXTENSION – REQUIREMENT FOR TIMELY DELIVERABLES**

In recognition of the significance of this Project to the nation's energy infrastructure and energy agenda the DOE requests any extension to the Project period be coordinated in advance, in writing, with the cognizant DOE Contracting Officer. The Recipient is requested to provide a proposed end date, the reason for the extension, an explanation how the Project will be completed by the proposed end date, a positive statement that the available funding on the award is adequate to complete the Project, and a positive statement that all Project costs will be submitted to DOE in sufficient time to allow for payment no later than September 30, 2015.

If DOE agrees with the need for an extension and the request is fully supported the Contracting Officer shall issue a modification to the award with the revised project period.

The Recipient does have the right to unilaterally extend the award one time for up to one year. However, any one-time, no cost extension will not change the requirements for deliverables or milestone dates unless agreed to in writing by DOE.

#### **29. FAILURE TO RECEIVE OR RECISSION OF REGULATORY AND OTHER REQUIRED PROJECT APPROVALS**

In the event the project fails to secure required approval(s) from a Public Utility Commission or similar regulatory or other body required to grant approvals for the project to proceed, or prior approvals are rescinded, the Recipient shall immediately notify the DOE Contracting Officer and Technical Project Officer. In addition, the Recipient shall immediately halt project work on the portion of the project that was subject to required approval(s). Within three working days of the notification of such event, the DOE Contracting Officer and Technical Project Officer shall initiate an examination, with the Recipient, of the impact of the withheld or withdrawn approvals on the project's objectives. This review shall include, but is not limited too, the Recipient's continued ability to provide their cost share; the ability to meet the project's technical objectives; the ability of the project to complete data and metrics objectives, including agreed to consumer behavior studies; the ability of the project to complete work on schedule. Upon completion of the examination of the impact, the Contracting Officer will issue direction as to whether the project shall proceed as planned, proceed in a modified form or be terminated. If the project is modified or terminated, the recipient will not be liable for repayment of DOE funds received and reimbursed. Further, if the project is modified or terminated, DOE shall maintain its responsibility to pay its share of all allowable project costs incurred by the recipient but not yet submitted for reimbursement to DOE through the date of termination. The DOE will have the unilateral right to deobligate any federal funds over and above those required to meet our reduced obligation.

#### **30. PROJECT DELIVERABLES**

##### **A. CYBER SECURITY PLAN**

The Recipient is required to submit to the DOE Technical Project Officer, a plan for how it will address cyber security requirements. Failure to submit an acceptable cyber security plan within a reasonable time frame may result in termination of the award. In addition, failure to effectively implement the DOE approved cyber security plan may result in termination of the award.

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The cyber security plan shall describe the Recipient's approach to detect, prevent, communicate with regard to, respond to, or recover from system security incidents. The plan shall address the following areas from both a technical and a management (organizational) perspective:

- Risk Assessment (focusing on vulnerabilities and impact);
- Risk Mitigation (focusing on vulnerabilities and impact);
- Standards;
- Quality Assurance;
- Impact on Overall Grid Security.

This plan shall be consistent with the cyber security approach provided in the proposal, modified or enhanced as necessary to address any issues identified by DOE during negotiations. The plan is to be submitted within 30 calendar days of the date the Contracting Officer signs the award agreement. Thereafter, the Contracting Officer will provide approval or non-approval with comments. If the Recipient is required to resubmit its plan, the revised plan is due within 15 working days of receipt of DOE's comments.

## **B. PROJECT EXECUTION PLAN**

The Recipient is required to submit to the DOE Technical Project Officer a draft Project Execution Plan (PEP) within 30 calendar days of the date the Contracting Officer signs the award agreement and a final PEP within 60 days of the date the Contracting Officer signs the award agreement in the format outlined below. The elements of the Project Execution Plan should be consistent with the Management Plan, Project Schedule, and Risk Management discussions contained in the Recipient's proposal in the application submitted in response to Funding Opportunity Announcement Number DE-FOA-000058 and with the detailed budget submission.

The intent of the Project Execution Plan is to provide the DOE with appropriate understanding and insight into the approach and methodology the Recipient will use to manage the project to successful completion. The Recipient is expected to use a set of tailored project management tools and techniques in the management of their projects. It will also provide the baseline against which the Recipient will provide status of progress on project execution. This clause is not intended to limit or restrict the Recipient's ability to implement any management systems or controls deemed necessary for the management of the project, except as otherwise provided by law or this agreement.

The PEP provided to DOE will contain the following items:

- A description of the project including the end product or end result being accomplished
- Work Breakdown Structure (WBS) to Level 2, with dictionary
- Integrated Schedule
- Performance Measurement Baseline (PMB)
- A Listing of Major Project Milestones tied to the WBS and PMB
- The Project Responsibility Assignment Matrix for the WBS
- Project Risk Management Plan

The methodology and approach used to meet the various requirements listed in the PEP should be tailored appropriately in consideration of the complexity, cost, and risks of each project. Requirements must be addressed to the extent necessary and practical for managing the project. Tailoring may involve consolidation of decisions, documentation, substituting equivalent documents, or concurrency of processes. Tailoring does not imply the omission of essential elements.

All of the PEP elements or an equivalent will be required for all projects, but their initial character/attributes and subsequent implementation can vary based on project size.

A common structure for reporting the current status of SGIG projects will be used to deliver project status and assessment information to DOE. SGIG projects will provide the following data. These data will be

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compiled into status reports to assist DOE in its reporting requirements under the Recovery Act.

The Recipient shall use the following template to submit the Project Execution Plan Template;

**Section 1 – Cover and Signature Pages**

**1.1 Cover Page**

*The cover page should include the title of the document, document control number, project name, project number, site name, document date, restrictions or classification (as applicable), and any appropriate disclaimers.*

**1.2 Revisions Page**

*All revision numbers and associated dates should be captured along with the date the document was approved.*

**1.3 Signature Page**

*The signature page (only one page in length) is the second page and should contain the following:*

- *Project name and number*
- *Site name*
- *Date*
- *Restrictions or classification*
- *Approval authority*
- *Signature block for the primary author*

**1.4 Table of Contents**

*The document table of contents should include lists of tables and figures.*

**1.5 Acronyms List**

*The list should include acronyms used in the document and their definitions.*

**Section 2 – Main Body**

**2.1 Introduction**

*In this section, the awardee should briefly describe the PEP and the major participants involved in the project. Example text is provided below.*

*This document is the Project Execution Plan (PEP) for the name of SGIG Project. It sets forth roles and responsibilities, project baselines, and project risks.*

*This PEP will be updated as required and reviewed at least annually until the project is complete.*

**2.2 Project Description**

*Provide a summary-level description of the project, including:*

- *Project objectives*
- *Major system components and their functions*
- *Major project assumptions and uncertainties*

**2.3 Management Structure**

*The project organization should be described, including an organization chart that identifies the various participants, their roles and responsibilities, interfaces and reporting relationships. If certain*

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vendors or contractors have not yet been chosen, identify their roles in a generic fashion.

### **Section 3 – Tailoring Strategy**

*This section should document how the PEP requirements will be met through a tailored application of project management and project controls.*

*Tailoring is a flexible approach that allows appropriate levels of effort or analytical rigor to be used in fulfilling all requirements. Tailoring does not mean waiving requirements, nor does it imply the omission of essential elements in the acquisition process.*

### **Section 4 – Project Baseline**

#### **4.1 Performance Management Baseline (PMB)**

*The PMB is a time-phased budget plan for accomplishing work, against which performance is measured. It includes the budgets assigned to scheduled control accounts and the applicable indirect budgets. The PMB should represent the monetized value of all work expected to be accomplished under the project. It represents the Budgeted Cost of Work Scheduled (BCWS) element in the online web-based Project Management Reporting System.*

*Technical performance parameters and deliverables should define key features of the project and how it/they will perform when completed at Project Close Out including characteristics (quantity, size, etc.), functions, requirements, or the design basis that, if changed, would have a major impact on system or facility performance. It includes all costs for both Federal and recipient.*

#### **4.1.1 Work Breakdown Structure (WBS) and WBS Dictionary**

*The WBS is the product-oriented grouping of project elements that organize and define the total scope of the project. A WBS Dictionary is a listing of WBS elements with a short description of the work scope content in each element. The Dictionary helps ensure consistent understanding and use of the WBS elements among all of the WBS users.*

*Provide WBS Level 2 and WBS Dictionary listing of work breakdown structure elements with a short description of the work scope content in each element. For the purposes of the PEP due to DOE, WBS Level 1 should be the project that the SGIG grant is funding, e.g., Smart Grid West Virginia*

#### **4.1.2 Integrated Schedule**

*The integrated schedule should display duration and linkages of the various tasks required to accomplish the project and should display the project's critical path. Preferentially the integrated schedule will be provided as a Gantt chart with the task identified and planned start and completion dates listed.*

#### **4.2 List of Major Project Milestones**

*Provide a list of the major project milestones. Examples of the types of major milestones could be the completion of design for communications architecture, initiation of Phase I meter installation, and receipt of state Public Utilities Commission (PUC) approval. The list should describe the milestone and the planned milestone date. If using an early start/late start milestone planning approach, identify which date.*

#### **4.3 Project Responsibility Assignment Matrix**

*The Project Responsibility Assignment Matrix allocates responsibility for accomplishment of the outcome of a specific element identified in the WBS to a specific individual.*

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**Section 5 – Project Risk Management/Oversight**

**5.1. Risk Management**

*A Risk Management Plan (RMP) should be prepared to identify and manage those events that could threaten the project's success. The RMP should describe the policies and practices for managing risk and a summary of the results of your risk analysis. The identification, evaluation, associated handling strategy or action, and the ultimate disposition of each risk should be documented.*

*To the extent that it covers these factors, the risk management section of your proposal can be used as the RMP.*

*At a minimum, the RMP should comprise a table that provides the following risk event information*

Event ID No.	Event Title	Event Description	Likelihood of Occurrence	Event Consequence	Handling Strategy	Cost/Schedule Impact	Comments
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**C. METRICS AND BENEFITS REPORTING PLAN**

The Recipient is required to develop and implement a plan for the collection and reporting of project-related metrics and benefits, as stated in the Smart Grid Investment Grant (SGIG) Funding Opportunity Announcement (DE-FOA-000058). This information will be used by DOE to assess the impact of smart grid technology deployed by the SGIG program. More information on the types of metrics and benefits DOE is interested in examining are provided in the "Guidebook for ARRA Smart Grid Program Metrics and Benefits" (Guidebook), dated December 7, 2009. The Recipient is encouraged to work collaboratively with DOE to seek guidance and clarification regarding questions in completing its Metrics and Benefits Reporting Plan.

**1. Plan Outline**

The Recipient shall be responsible for developing and submitting a Metrics and Benefits Plan that is consistent with its SGIG proposal and provides a sufficiently detailed description of how metrics information will be developed and reported to DOE. The Metrics and Benefits Plan shall include at a minimum the following information:

- Discussion of Project Metrics and Benefits:
  - An identification with pertinent descriptions of the specific build and impact metrics that will be reported to DOE. The metrics will apply to the total project supported both by DOE and cost-shared funds. These metrics are described in more detail in Appendix A of the Guidebook.
  - Sufficient information so that build metrics can be correlated with numbers and types of customers (i.e., residential, commercial, industrial), the extent of service area covered, and how funding is allocated against equipment, as well as with other related build metrics (e.g., type of dynamic pricing program correlated with metering features). Build metrics will include the numbers and types of jobs created.
  - A description of the types of data, including their characteristics (e.g., frequency of measurement, units), and the calculations used to derive impact metrics. Assumptions or ranges of input values used should be provided.
  - A description of how impact metrics would lead to benefits with recommendations for how benefits would be quantitatively estimated.
  - Baseline values for each build and impact metric, including the basis and methods applied for calculating baseline information (e.g., application of normalization, averaging or forecasting approaches).

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- Implementation:
  - Provide a schedule showing how the reporting of build and impact metrics coincides with the deployment of smart grid technology and key decision milestones (e.g., implementation of approved dynamic pricing tariffs).
  - Present approaches for collaboration between DOE and the Recipient (including representative organizations) to discuss key issues and share valuable information derived from the project.
- Reporting:
  - Present the schedule for reporting build and impact metrics and benefits, as specified in Attachment B, Federal Assistance Reporting Checklist and Instructions.

## **2. Consistency and Data Quality**

DOE expects to work collaboratively with the Recipient to develop consistency and quality in the methods used to calculate metrics and develop appropriate baselines. It is the Recipient's responsibility to collect and assemble data required to produce the metrics and benefits. In addition, the Recipient shall be available to answer questions DOE may have regarding how the metrics were developed.

## **3. Plan Development and Submittal**

Within 60 days following the award of a grant, the Recipient is required to submit to DOE a draft Metrics and Benefits Reporting Plan. The Recipient is encouraged to work collaboratively with DOE to seek guidance and clarification regarding questions in completing the Metrics and Benefits Reporting Plan. The Recipient shall submit a draft final Metrics and Benefits Reporting Plan within 30 days following the receipt of written comments from DOE. The draft final plan will be considered final once approved by DOE.

## **D. CONSUMER BEHAVIOR STUDY PLAN Not Applicable (N/A)**

Special Note: This clause only applies to recipients who proposed in their application submitted in response to the Funding Opportunity Announcement Number DE-FOA-0000058 to conduct a consumer behavior study with control and randomized treatment groups. Recipients may opt out of this program after discussion with their Technical Project Officer.

Recipients who proposed conducting a consumer behavior study with control and randomized treatment groups, as stated in the Smart Grid Investment Grant (SGIG) Funding Opportunity Announcement (DE-FOA-000058) are required to develop and implement a plan to carefully evaluate the behavior of consumers with respect to the dynamic pricing of electricity rates. More information on the approach recommended for these studies, including the types of data that would be made available, is provided in Appendix D of the "Guidebook for ARRA Smart Grid Program Metrics and Benefits" (Guidebook), dated December 7, 2009, as amended from time to time.

Within 90 days following the award of a grant, the Recipient is required to submit to DOE a Consumer Behavior Study Plan. In addition, the Recipient is required to submit interim and final Evaluation Reports (Attachment B, Federal Assistance Reporting Checklist and Instructions). The Recipient is encouraged to work closely with DOE in developing this plan, as well as throughout the study period. DOE expects that final submitted Consumer Behavior Study Plan shall be consistent with the requirements of the SGIG FOA, and adhere to well-established and theoretically appropriate methods.

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## 1. Plan Outline

The Recipient is responsible for developing and submitting a Consumer Behavior Study Plan consistent with its SGIG proposal and provide a more detailed description of how the dynamic pricing with randomization component of its project will be designed, implemented, evaluated, and reported to DOE. The Consumer Behavior Study Plan shall include at a minimum the following:

- Project Design:
  - Identify key research questions to be addressed in the project;
  - Describe how the project will be marketed to customers and how customers will participate (e.g., opt-in, opt-out, randomly assigned);
  - Describe the target population and sample and how it will be stratified and developed;
  - Describe control and treatment groups that will be represented (e.g., pricing, technology, education) and how customers will be assigned to each group (e.g., opt-in, opt-out, randomly assigned) based on desired levels of confidence and precision within the analysis;
  - Describe the specific rate design(s) that will be tested and controlled for, as well as what price levels will be used;
  - Describe specific enabling technologies, if any, that will be tested and controlled for;
  - Describe the specific feedback information approaches and/or methods, if any, that will be tested and controlled for;
  - Describe customer characteristic information that will be collected from each participant (see Appendix D of the Guidebook for minimum requirements) and methods that will be used to collect this information (e.g., field survey, utility customer database). Stipulate if this information will be reported to DOE at the customer level or the customer-cohort level. If results are reported at the customer-cohort level, the Recipient shall ensure that cohort level data has at least three customers in each “cell.”
- Implementation:
  - Provide a milestone schedule for the implementation phase of the project, including expected dates for obtaining regulatory approval and for submitting the draft Evaluation Report, as specified in Attachment B, Federal Assistance Reporting Checklist and Instructions;
  - Describe how the target sample will be maintained throughout the duration of the project;
  - Describe the data collection process that will be required for the evaluation.
- Evaluation:
  - Describe methodology that will be used to evaluate the key research questions;
  - Describe data requirements to complete the evaluation;
  - Describe what kinds of information will be reported as an output from the evaluation.
- Data Reporting:
  - Describe the frequency of reporting with respect to the Consumer Behavior Study Plan, Interim and Final Evaluation Reports, and data, as specified in Attachment B, Federal Assistance Reporting Checklist and Instructions.

## 2. Regulatory Approval Process

Where required, the Recipient shall seek approval from the applicable regulatory authority and/or oversight body to implement the dynamic pricing with randomization project.

If the Recipient receives approval from the applicable regulatory body and/or oversight board for the dynamic pricing with randomization project consistent with what is specified in the approved Consumer Behavior Study Plan, the study may proceed under current funding levels.

### 31. ADVANCE UNDERSTANDING FOR FEDERAL INCOME TAX TREATMENT

The Recipient and the Department of Energy (DOE) understand that the Recipient's project scope, budget and project execution plan are based on the assumption that the Smart Grid Investment Grant (SGIG) funds provided by DOE will be considered nontaxable income under Internal Revenue Code (IRC) 118(a). As of the date of this Agreement, the Internal Revenue Service ("IRS") has not yet issued guidance or otherwise made a determination regarding the applicability of IRC 118(a) under the SGIG program. For this reason and so that the Recipient is not prejudiced by an IRS determination following the execution of this Agreement, the process set out below will be followed in the circumstances described:

(A) In the event the IRS declines to issue guidance by May 1, 2010 providing that some or all of SGIG grant funds may be treated as nontaxable income under IRC 118(a) under the terms and conditions of this Agreement, Recipient may elect to reopen this Agreement for negotiation as provided for below.

(B) In the event IRS determines that terms and conditions which differ from those contained in this Agreement would permit all or some of the SGIG funds to be treated as nontaxable income and in the event DOE offers to modify the standard terms and conditions for other SGIG recipients in order to cause all or some portion of the SGIG grant funds to be treated by IRS as nontaxable capital contributions, the DOE Contracting Officer shall notify the Recipient of the proposed modification(s).

(C) Within the earliest of (i) thirty calendar days after delivery of a notification by DOE that the IRS has advised that the IRS has declined to issue guidance providing that some or all of SGIG grant funds may be treated as nontaxable income under IRC 118(a); (ii) fourteen calendar days after the date of notice from the Contracting Officer of a modification of the Agreement provided for in (B) above to support treatment as nontaxable capital contributions; or (iii) by May 14, 2010 if IRS has failed to issue guidance by May 1, 2010, the Recipient shall notify the DOE Contracting Officer and Technical Project Officer as to whether the Recipient elects (1) to proceed with the project as planned, or (2) to reopen this Agreement (including the scope of the project) for negotiation to reflect impacts to the project. If Recipient elects to reopen this Agreement for negotiations, DOE and Recipient shall dedicate authorized representatives to negotiate in good faith.

(D) If the parties have not satisfactorily concluded negotiations after a period of sixty calendar days: (i) DOE may elect to terminate such negotiations; (ii) Recipient may elect to terminate such negotiations and may, but shall not be required to, terminate this Agreement in its entirety in accordance with 10 C.F.R. § 600.351(a) (3). If the project is modified or terminated pursuant to this Provision of the Agreement, allowable costs will not include costs incurred after the effective date of the termination and the Recipient authorizes DOE to deobligate amounts in excess of the amounts incurred at the effective date of the termination. In the event of modification of the project scope or termination of the Agreement pursuant to this Provision, DOE shall have no liability for any termination costs. If the project is modified or terminated pursuant to this Section 31, Recipient shall not be liable for repayment of DOE funds received that are otherwise allowable through the date of such modification or termination.



OMB Approval No. 0348-0044

**Budget Information - Non Construction Programs**

Section A - Budget Summary		Estimated Unobligated Funds			New or Revised Budget			Total (g)
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)		
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)							
1. Smart Grid Inv. Grnt	81.122			\$9,538,234			\$10,097,981	\$0
2.								\$19,636,215
3.								\$0
4.								\$0
5. Totals		\$0	\$0	\$9,538,234			\$10,097,981	\$19,636,215
Section B - Budget Categories								
6. Object Class Categories	Grant Program, Function or Activity				Year 3 Total Costs (4)	Total (5)		
	Year 1 Total Costs	Year 2 Total Cost	Year 3 Total Costs					
a. Personnel	\$954,480	\$972,796	\$1,001,980		\$2,929,256			
b. Fringe Benefits	\$534,509	\$544,766	\$561,109		\$1,640,384			
c. Travel	\$29,750	\$10,000	\$10,000		\$49,750			
d. Equipment	\$7,378,480	\$4,084,000	\$2,043,000		\$13,505,480			
e. Supplies					\$0			
f. Contractual	\$409,000	\$191,000	\$316,000		\$916,000			
g. Construction					\$0			
h. Other	\$215,115	\$190,115	\$190,115		\$595,345			
i. Total Direct Charges (sum of 6a-6h)	\$9,521,334	\$5,992,677	\$4,122,204		\$19,636,215			
j. Indirect Charges					\$0			
k. Totals (sum of 6i-6j)	\$9,521,334	\$5,992,677	\$4,122,204		\$19,636,215			
7. Program Income					\$0			\$0

SF-424A (Rev. 4-92)  
Prescribed by OMB Circular A-102

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Attachment B  
U.S. Department of Energy  
FEDERAL ASSISTANCE REPORTING CHECKLIST  
AND INSTRUCTIONS

1 Identification Number: DE-OE0000278		2 Program/Project Title: South KY Rural Electric Cooperative Corporation AMI Deployment												
3 Recipient: South Kentucky Rural Electric Cooperative Corporation														
4 Reporting Requirements.		Frequency	No of Copies	Addressees										
<b>A. MANAGEMENT REPORTING</b>														
<input checked="" type="checkbox"/> Progress Report		M/Q	1	<a href="mailto:bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov">bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov</a>										
<input checked="" type="checkbox"/> Special Status Report		A	1	<a href="mailto:bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov">bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov</a>										
<b>B. SCIENTIFIC/TECHNICAL REPORTING</b>														
(Reports/Products must be submitted with appropriate DOE F 241. The 241 forms are available at <a href="http://www.osti.gov/elink">www.osti.gov/elink</a> .)		Not Applicable		<a href="http://www.osti.gov/elink-2413">http://www.osti.gov/elink-2413</a> <a href="http://www.osti.gov/elink-2413">http://www.osti.gov/elink-2413</a> <a href="http://www.osti.gov/estsc/241-4pre.jsp">http://www.osti.gov/estsc/241-4pre.jsp</a>										
<table border="0"> <tr> <td>Report/Product</td> <td>Form</td> </tr> <tr> <td><input type="checkbox"/> Final Scientific/Technical Report</td> <td>DOE F 241 3</td> </tr> <tr> <td><input type="checkbox"/> Conference papers/proceedings*</td> <td>DOE F 241 3</td> </tr> <tr> <td><input type="checkbox"/> Software/Manual</td> <td>DOE F 241 4</td> </tr> <tr> <td><input type="checkbox"/> Other (see special instructions)</td> <td>DOE F 241 3</td> </tr> </table> <p>* Scientific and technical conferences only</p>		Report/Product	Form	<input type="checkbox"/> Final Scientific/Technical Report	DOE F 241 3	<input type="checkbox"/> Conference papers/proceedings*	DOE F 241 3	<input type="checkbox"/> Software/Manual	DOE F 241 4	<input type="checkbox"/> Other (see special instructions)	DOE F 241 3			
Report/Product	Form													
<input type="checkbox"/> Final Scientific/Technical Report	DOE F 241 3													
<input type="checkbox"/> Conference papers/proceedings*	DOE F 241 3													
<input type="checkbox"/> Software/Manual	DOE F 241 4													
<input type="checkbox"/> Other (see special instructions)	DOE F 241 3													
<b>C. FINANCIAL REPORTING</b>														
<input checked="" type="checkbox"/> SF-425 Federal Financial Report		Q	1	<a href="mailto:bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov">bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov</a>										
<b>D. CLOSEOUT REPORTING</b>														
<input type="checkbox"/> Patent Certification														
<input checked="" type="checkbox"/> Property Certification		F	1	<a href="mailto:bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov">bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov</a>										
<input type="checkbox"/> Other														
<b>E. OTHER REPORTING</b>														
<input type="checkbox"/> Annual Indirect Cost Proposal														
<input checked="" type="checkbox"/> Annual Inventory of Federally Owned Property, if any		Y	1	<a href="mailto:bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov">bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov</a>										
<input checked="" type="checkbox"/> Other - Recovery Act		Q, S, A	1	<a href="mailto:bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov">bernard.watts@hq.doe.gov/dan.ton@hq.doe.gov</a>										
FREQUENCY CODES AND DUE DATES.														
A - Within 5 calendar days after events or as specified.		M - Monthly												
F - Final, 90 calendar days after expiration or termination of the award														
Y - Yearly, 90 days after the end of the reporting period														
S - Semiannually, within 30 days after end of reporting period														
Q - Quarterly, within 30 days after end of the reporting period.														

\*All submissions to DOE shall be by e-mail

5 Special Instructions

Other Reporting

Details regarding the data elements set forth below are provided in the "Guidebook for ARRA Smart Grid Program Metrics and Benefits", or *Guidebook*, dated December 7, 2009, provided separately.

**A. Reporting of Cumulative Jobs Created/Retained**

- For the first six months of this award the Recipient must report the data specified in this section on a monthly basis beginning with the quarter of the effective date of the award. After the six month period the reporting frequency shall be quarterly unless the Office of Management and Budget authorizes continued monthly reporting.
- Recipient will provide the data required in this section via a mutually agreed upon format and media to DOE.
- Recipients will report the cumulative number of jobs directly created or retained by project and activity or contract. Recipients will be required to report these direct jobs numbers by labor categories, as provided below.
  - Managers
  - Engineers
  - Computer-related Occupations
  - Environmental and Social Scientists
  - Construction, Electrical and Other Trades
  - Analysts,
  - Business Occupations
  - Recording, Scheduling, Computer Operator Occupations
- A job created is a new position created and filled or an existing unfilled position that is filled as a result of the Recovery Act, a job retained is an existing position that would not have been continued to be filled were it not for Recovery Act funding. A job cannot be counted as both created and retained. Also, only compensated employment in the United States or outlying areas should be counted. See 74 FR 14824 for definitions.
- The estimate of the number of jobs required by the Recovery Act should be expressed as "full-time equivalents" (FTE), which is calculated as total hours worked in jobs created or retained divided by the number of hours in a full-time schedule, defined here as 2,080 hours per calendar year. The FTE estimates must be reported cumulatively each calendar quarter.
- Prime recipients of these grants must include in the aggregate number an estimate of jobs created and retained on projects and activities managed by their funding sub-recipients (including prime and sub-prime contractors).
- Recipients will have the option to report on the employment impact on materials and equipment suppliers and central service providers (so-called "indirect" jobs). Employees who are not directly charged to Recovery Act supported projects/activities, who, nonetheless, provide critical indirect support are considered indirect jobs created/retained. Recipients will not be required to report on the employment impact on the local community ("induced" jobs).
- The requirement for reporting jobs is based on a simple calculation used to avoid overstating the number of other than full-time, permanent jobs. This calculation converts part-time or temporary jobs into "full-time equivalent" (FTE) jobs. In order to perform the calculation, a recipient will need the total number of hours worked that are funded by the Recovery Act by category and the total number of hours worked for the entire project by labor category. The number of hours in a full-time schedule for a quarter will equal 520 (one-quarter of 2,080).

The two formulas for reporting Cumulative Jobs Created/Retained are represented as:

*"Cumulative Recovery Act Funded Hours Worked (qtr 1 .. n)" divided by*  
*"cumulative hours in a full-time schedule"*  
*"Cumulative Total Project Hours Worked (qtr 1 .. n)" divided by*  
*"cumulative hours in a full-time schedule"*

**B. Reporting Requirements for Metrics and Benefits**

The recipient is required to report Build Metrics on a quarterly basis and Impact Metrics and Benefits on a semi-annual basis following the award date. Baseline data will be provided as specified within the Metrics and Benefits Reporting Plan. The recipient will provide this information in a mutually agreed upon format and media to a location identified by DOE.

**C. Reporting Requirements for Consumer Behavior Studies**

**Special Note: This section only applies to recipients who proposed in their application submitted in response to the Funding Opportunity Announcement Number DE-FOA-0000058 to conduct a consumer behavior study with control and randomized treatment groups.**

**C.1 Evaluation Reports**

Participating recipients shall submit a comprehensive interim Evaluation Report, within 360 days following commencement of the Consumer Behavior Study, and a final Evaluation report at completion of the study, as specified in the Consumer Behavior Study Plan. Participating recipients shall submit a draft of both the interim and final Evaluation Reports to DOE and make a good faith effort to address issues raised by DOE in the final version of the Evaluation Reports. The Evaluation Reports shall include at a minimum

1. Overview of the project, including its goals,
2. Description of how the project was designed and implemented to achieve these goals,
3. Synopsis of the evaluation framework and methodology, and
4. Summary of the results and lessons learned

The Final Evaluation Report will be made available to the public, confidential information should not be included

#### C.2 Provision of Project Data

The recipient shall be responsible for submitting comprehensive data that was used, or served as the foundation, for the analysis of the dynamic pricing with randomization project, as defined within the Consumer Behavior Study Plan. Please refer to Appendix D of the Guidebook. The recipient will provide customer-level data in a mutually agreed upon format and media to DOE, or an entity designated by DOE (e.g. a national laboratory). It is expected that the data provided to DOE shall have gone through the necessary quality assurance processes internal to the recipient in order to ensure the data is accurate and complete. This data shall be consistent with requirements outlined in the final submitted Consumer Behavior Study Plan.

The data will be publicly available for subsequent analysis and evaluation for those interested in assessing and better understanding the impacts that dynamic pricing enabled by the smart grid can have on customer behavior. The identity of specific customers shall not be included with the data. To protect customer confidentiality, masked customer identifiers shall be provided for individual customers.

It is expected that the data will include at a minimum the following data elements for each customer: 1) hourly interval data for electric consumption, tariff pricing (i.e., retail rate level in effect), and weather; 2) customer characteristics (as described in Appendix D of the Guidebook); and 3) hourly electricity usage data for 12-18 months prior to the dynamic pricing project.

## Federal Assistance Reporting Instructions (2/09)

### A. MANAGEMENT REPORTING

#### Progress Report

The Progress Report must provide a concise narrative assessment of the status of work and include the following information and any other information identified under Special Instructions on the Federal Assistance Reporting Checklist. The Recipient must report data specified in this section monthly for the first six months of the award and quarterly thereafter unless the monthly frequency is approved by the Office of Management and Budget. The Recipient will provide the data required in the Progress Report via an e-mail or mutually agreed upon format and media.

1. The DOE award number and name of the recipient.
2. The project title and name of the project director/principal investigator.
3. Date of report and period covered by the report.
4. A comparison of the actual accomplishments with the goals and objectives established for the period and reasons why the established goals were not met.
5. A discussion of what was accomplished under these goals during this reporting period, including major activities, significant results, major findings or conclusions, key outcomes or other achievements. **This section should not contain any proprietary data or other information not subject to public release.** If such information is important to reporting progress, do not include the information, but include a note in the report advising the reader to contact the Principal Investigator or the Project Director for further information.
6. Any changes in approach or aims and reasons for change. Remember significant changes to the objectives and scope require prior approval by the contracting officer.
7. Actual or anticipated problems or delays and actions taken or planned to resolve them.
8. Any absence or changes of key personnel or changes in consortium/teaming arrangement.
9. A description of any product produced or technology transfer activities accomplished during this reporting period, such as:
  - A. Publications (list journal name, volume, issue); conference papers; or other public releases of results.
  - B. Web site or other Internet sites that reflect the results of this project.
  - C. Networks or collaborations fostered.

10. The recipient will provide monthly project execution data in a mutually agreed upon format and media to DOE. It is expected that the dataset provided to DOE shall have gone through the necessary quality assurance processes internal to the recipient in order to ensure the data is accurate and complete.

A. Project Value Management System (PVMS) Reporting -- The input of PVMS data described below will be required. PVMS reporting will be at the Project Level.

Field		Definition/Metrics	Field Type
ACWP	Actual Cost of Work Performed	The cost actually incurred for the work accomplished during the month.	Input
BCWP	Budgeted Cost of Work Performed	Sum of all budgets for all completed work and the completed portions of ongoing work. Total budget for the scope that was actually accomplished during the month	Input
BCWS	Budgeted Cost of Work Scheduled	Planned accomplishment established in performance measurement baseline.	Input
ETC	Estimate to Complete	Current estimate for the remaining project scope. This is the estimate for all remaining work excluding contingencies.	Input
BAC	Budget at Completion	Sum of all budgets allocated to a project excluding management reserve	Input

B. Risk Management Data Reporting – Recipients will submit updates of the Risk Management Plan (RMP) to DOE in the event of changes to the risk profile data required as part of the Project Execution Plan (PEP).

### Special Status Report

The recipient must report the following events by e-mail as soon as possible after they occur:

1. Developments that have a significant favorable impact on the project.
2. Problems, delays, or adverse conditions which materially impair the recipient's ability to meet the objectives of the award or which may require DOE to respond to questions relating to such events from the public. The recipient must report any of the following incidents and include the anticipated impact and remedial action to be taken to correct or resolve the problem/condition:
  - a. Any single fatality or injuries requiring hospitalization of five or more individuals.
  - b. Any significant environmental permit violation.
  - c. Any verbal or written Notice of Violation of any Environmental, Safety, and Health statutes.
  - d. Any incident which causes a significant process or hazard control system failure.

- e. Any event which is anticipated to cause a significant schedule slippage or cost increase.
- f. Any damage to Government-owned equipment in excess of \$50,000.
- g. Any other incident that has the potential for high visibility in the media.

**B. SCIENTIFIC/TECHNICAL REPORTS – Not applicable to this award.**

**Final Scientific/Technical Report**

Content. The final scientific/technical report must include the following information and any other information identified under Special Instructions on the Federal Assistance Reporting Checklist:

1. Identify the DOE award number; name of recipient; project title; name of project director/principal investigator; and consortium/teaming members.
2. Display prominently on the cover of the report any authorized distribution limitation notices, such as patentable material or protected data. Reports delivered without such notices may be deemed to have been furnished with unlimited rights, and the Government assumes no liability for the disclosure, use or reproduction of such reports.
3. Provide an executive summary, which includes a discussion of 1) how the research adds to the understanding of the area investigated; 2) the technical effectiveness and economic feasibility of the methods or techniques investigated or demonstrated, or 3) how the project is otherwise of benefit to the public. The discussion should be a minimum of one paragraph and written in terms understandable by an educated layman.
4. Provide a comparison of the actual accomplishments with the goals and objectives of the project.
5. Summarize project activities for the entire period of funding, including original hypotheses, approaches used, problems encountered and departure from planned methodology, and an assessment of their impact on the project results. Include, if applicable, facts, figures, analyses, and assumptions used during the life of the project to support the conclusions.
6. Identify products developed under the award and technology transfer activities, such as:
  - a. Publications (list journal name, volume, issue), conference papers, or other public releases of results.
  - b. Web site or other Internet sites that reflect the results of this project;
  - c. Networks or collaborations fostered;
  - d. Technologies/Techniques;
  - e. Inventions/Patent Applications, licensing agreements; and

- f. Other products, such as data or databases, physical collections, audio or video, software or netware, models, educational aid or curricula, instruments or equipment.
7. For projects involving computer modeling, provide the following information with the final report:
- a. Model description, key assumptions, version, source and intended use;
  - b. Performance criteria for the model related to the intended use;
  - c. Test results to demonstrate the model performance criteria were met (e.g., code verification/validation, sensitivity analyses, history matching with lab or field data, as appropriate);
  - d. Theory behind the model, expressed in non-mathematical terms;
  - e. Mathematics to be used, including formulas and calculation methods;
  - f. Whether or not the theory and mathematical algorithms were peer reviewed, and, if so, include a summary of theoretical strengths and weaknesses;
  - g. Hardware requirements; and
  - h. Documentation (e.g., users guide, model code).

Electronic Submission. The final scientific/technical report must be submitted electronically via the DOE Energy Link System (E-Link) accessed at <http://www.osti.gov/mlink-2413>.

Electronic Format Reports must be submitted in the ADOBE PORTABLE DOCUMENT FORMAT (PDF) and be one integrated PDF file that contains all text, tables, diagrams, photographs, schematic, graphs, and charts.

Submittal Form. The report must be accompanied by a completed electronic version of DOE Form 241.3, "U.S. Department of Energy (DOE), Announcement of Scientific and Technical Information (STI)." You can complete, upload, and submit the DOE F 241.3 online via E-Link. You are encouraged not to submit patentable material or protected data in these reports, but if there is such material or data in the report, you must: (1) clearly identify patentable or protected data on each page of the report; (2) identify such material on the cover of the report; and (3) mark the appropriate block in Section K of the DOE F 241.3. Reports must not contain any limited rights data (proprietary data), classified information, information subject to export control classification, or other information not subject to release. Protected data is specific technical data, first produced in the performance of the award that is protected from public release for a period of time by the terms of the award agreement.

**Protected Personally Identifiable Information (PII). Management Reports must not contain any *Protected PII*. PII is any information about an individual which can be used to distinguish or trace an individual's identity. Some information that is considered to be PII is available in public sources such as telephone books, public websites, university listings, etc. This type of information is considered to be Public PII and includes, for example, first and last name, address, work telephone number, e-mail address, home telephone number, and general educational credentials. In contrast,**



**Protected PII** is defined as an individual's first name or first initial and last name in combination with any one or more of types of information, including, but not limited to, social security number, passport number, credit card numbers, clearances, bank numbers, biometrics, date and place of birth, mother's maiden name, criminal, medical and financial records, educational transcripts, etc.

### **Conference Papers/Proceedings**

Content. The recipient must submit a copy of any conference papers/proceedings, with the following information: (1) Name of conference; (2) Location of conference; (3) Date of conference; and (4) Conference sponsor.

Electronic Submission. Scientific/technical conference paper/proceedings must be submitted electronically-via the DOE Energy Link System (E-Link) at <http://www.osti.gov/elink-2413>. Non-scientific/technical conference papers/proceedings must be sent to the URL listed on the Reporting Checklist.

Electronic Format. Conference papers/proceedings must be submitted in the ADOBE PORTABLE DOCUMENT FORMAT (PDF) and be one integrated PDF file that contains all text, tables, diagrams, photographs, schematic, graphs, and charts.

Submittal Form. Scientific/technical conference papers/proceedings must be accompanied by a completed DOE Form 241.3. The form and instructions are available on E-Link at <http://www.osti.gov/elink-2413>. This form is not required for non-scientific or non-technical conference papers or proceedings.

### **Software/Manual \_ Not applicable to this award.**

Content. Unless otherwise specified in the award, the following must be delivered: source code, the executable object code and the minimum support documentation needed by a competent user to understand and use the software and to be able to modify the software in subsequent development efforts.

Electronic Submission. Submissions may be submitted electronically-via the DOE Energy Link System (E-Link) at <http://www.osti.gov/estsc/241-4pre.jsp>. They may also be submitted via regular mail to:

Energy Science and Technology Software Center  
P.O. Box 1020  
Oak Ridge, TN 37831

Submittal Form. Each software deliverable and its manual must be accompanied by a completed DOE Form 241.4 "Announcement of U.S. Department of Energy Computer Software." The form and instructions are available on E-Link at <http://www.osti.gov/estsc/241-4pre.jsp>.

## C. FINANCIAL REPORTING

Recipients must complete the SF-425 as identified on the Reporting Checklist in accordance with the report instructions. A fillable version of the form is available at [http://www.whitehouse.gov/omb/grants/grants\\_forms.aspx](http://www.whitehouse.gov/omb/grants/grants_forms.aspx).

## D. CLOSEOUT REPORTS

**Final Invention and Patent Report – Not applicable to this award.**

The recipient must provide a DOE Form 2050.11, "PATENT CERTIFICATION." This form is available at <http://www.directives.doe.gov/pdfs/forms/2050-11.pdf> and [http://management.energy.gov/business\\_doe/business\\_forms.htm](http://management.energy.gov/business_doe/business_forms.htm).

### **Property Certification**

The recipient must provide the Property Certification, including the required inventories of non-exempt property, located at [http://management.energy.gov/business\\_doe/business\\_forms.htm](http://management.energy.gov/business_doe/business_forms.htm).

## E. OTHER REPORTING

### **Annual Indirect Cost Proposal and Reconciliation**

Requirement. In accordance with the applicable cost principles, the recipient must submit an annual indirect cost proposal, reconciled to its financial statements, within six months after the close of the fiscal year, unless the award is based on a predetermined or fixed indirect rate(s), or a fixed amount for indirect or facilities and administration (F&A) costs.

Cognizant Agency. The recipient must submit its annual indirect cost proposal directly to the cognizant agency for negotiating and approving indirect costs.

### **Annual Inventory of Federally Owned Property**

Requirement. If at any time during the award the recipient is provided Government-furnished property or acquires property with project funds and the award specifies that the property vests in the Federal Government (i.e. federally owned property), the recipient must submit an annual inventory of this property no later than October 30<sup>th</sup> of each calendar year, to cover an annual reporting period ending on the preceding September 30<sup>th</sup>.

Content of Inventory. The inventory must include a description of the property, tag number, acquisition date, location of property, and acquisition cost, if purchased with project funds. The report must list all federally owned property, including property located at subcontractor's facilities or other locations.

Attachment C

### **Intellectual Property Provisions Nonresearch and Development**

For all recipient organizations, the following intellectual property provisions shall apply:

- (a) Recipients may copyright any work that is subject to copyright and was developed under an award. DOE reserves a royalty-free, nonexclusive and irrevocable right to reproduce, publish or otherwise use the work for Federal purposes and to authorize others to do so.
- (b) The DOE has the right to: (1) obtain, reproduce, publish or otherwise use the data first produced under an award; and (2) authorize others to receive, reproduce, publish or otherwise use such data for Federal purposes.

Nonprofit organizations are additionally subject to the intellectual property requirements set forth at 10 CFR 600.136(d).

For certain “impact metrics” data which Recipients are required to report pursuant to Attachment B, Federal Assistance Reporting Checklist, Section 5.B (Special Instructions - Other Reporting, Reporting Requirements for Metrics and Benefits), Recipients may mark such data, as set forth below, as “Commercially Valuable Smart Grid Data”, and shall deliver such data to the National Renewable Energy Laboratory (NREL), and not to DOE.

#### **COMMERCIALLY VALUABLE SMART GRID DATA**

Recipient agrees to deliver to the National Renewable Energy Laboratory (NREL) all “impact metrics” data as described in the Guidebook for ARRA Smart Grid Program Metrics and Benefits, dated Dec. 7, 2009, as amended from time to time, to be submitted by the Recipient in accordance with its Metrics and Benefits Reporting Plan as required pursuant to Attachment B, Federal Assistance Reporting Checklist, Section 5.B (Special Instructions - Other Reporting, Reporting Requirements for Metrics and Benefits), of this agreement.

Based on information identified above that has been and will be provided by Recipient, the parties agree that the data required to be delivered to NREL under this clause has commercial value and its disclosure would cause competitive harm to the commercial value or use of the data.

In accordance with 10 C.F.R. 1004.3(e), Recipient shall mark any such data to be delivered to NREL with the following legend:

“Commercially Valuable Smart Grid Technical Data and Information. Withhold from Disclosure under 10 C.F.R. 1004.3(e). The use of this data by NREL is governed by the provisions of the DOE grant. Unless compelled by a court of competent jurisdiction, there may be no public release of this data to the public without the written consent of the Recipient and DOE. Aggregate data that does not identify company-specific impact metric information may be released as set forth in the grant.”

Other information required to be delivered, but not covered under this Commercially Valuable Smart Grid Data clause, shall be delivered in accordance with Attachment B, Federal Assistance Reporting Checklist and Instructions, to this agreement.

Attachment D

NATIONAL POLICY ASSURANCES TO BE INCORPORATED AS AWARD TERMS  
(August 2008)

To the extent that a term does not apply to a particular type of activity or award, it is self-deleting.

**I. Nondiscrimination Policies**

You must comply with applicable provisions of the following national policies prohibiting discrimination:

- 1 On the basis of race, color, or national origin, in Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq.), as implemented by DOE regulations at 10 CFR part 1040;
- 2 On the basis of sex or blindness, in Title IX of the Education Amendments of 1972 (20 U.S.C. 1681 et seq.), as implemented by DOE regulations at 10 CFR parts 1041 and 1042;
- 3 On the basis of age, in the Age Discrimination Act of 1975 (42 U.S.C. 6101 et seq.), as implemented by Department of Health and Human Services regulations at 45 CFR part 90 and DOE regulations at 10 CFR part 1040;
- 4 On the basis of disability, in Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794), as implemented by Department of Justice regulations at 28 CFR part 41 and DOE regulations at 10 CFR part 1041;
- 5 On the basis of race, color, national origin, religion, disability, familial status, and sex under Title VIII of the Civil Rights Act (42 U.S.C. 3601 et seq.) as implemented by the Department of Housing and Urban Development at 24 CFR part 100; and
- 6 On the basis of disability in the Architectural Barriers Act of 1968(42 U.S.C. 4151 et seq.) for the design, construction, and alteration of buildings and facilities financed with Federal funds.

**II. Environmental Policies**

You must:

- 1 Comply with applicable provisions of the Clean Air Act (42 U.S.C. 7401, et. seq.) and Clean Water Act (33 U.S.C. 1251, et. seq.), as implemented by Executive Order 11738 [3 CFR, 1971-1975 Comp., p. 799] and Environmental Protection Agency rules at 40 CFR part 32, Subpart J.
- 2 Immediately identify to us, as the awarding agency, any potential impact that you find this award may have on:
  - a. The quality of the human environment, including wetlands, and provide any help we may need to comply with the National Environmental Policy Act (NEPA, at 42 U.S.C. 4321 et. seq.) and assist us to prepare Environmental Impact Statements or other environmental documentation. In such cases, you may take no action that will have an adverse environmental impact (e.g., physical disturbance of a site such as breaking of ground) or limit the choice of reasonable alternatives until we provide written notification of Federal compliance with NEPA, as implemented by DOE at 10 CFR part 1021.

- b. Flood-prone areas, and provide any help we may need to comply with the National Flood Insurance Act of 1968 and Flood Disaster Protection Act of 1973 (42 U.S.C. 4001 et. seq.), which require flood insurance, when available, for Federally assisted construction or acquisition in flood-prone areas, as implemented by DOE at 10 CFR part 1022.
- c. Use of land and water resources of coastal zones, and provide any help we may need to comply with the Coastal Zone Management Act of 1972(16 U.S.C. 1451, et. seq.).
- d. Coastal barriers along the Atlantic and Gulf coasts and Great Lakes' shores, and provide help we may need to comply with the Coastal Barriers Resource Act (16 U.S.C. 3501 et. seq ), concerning preservation of barrier resources.
- e. Any existing or proposed component of the National Wild and Scenic Rivers system, and provide any help we may need to comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. 1271 et seq.).
- f. Underground sources of drinking water in areas that have an aquifer that is the sole or principal drinking water source, and provide any help we may need to comply with the Safe Drinking Water Act(42 U.S.C. 300h-3).

3 Comply with applicable provisions of the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4821-4846), as implemented by the Department of Housing and Urban Development at 24 CFR part 35. The requirements concern lead-based paint in housing owned by the Federal Government or receiving Federal assistance.

4 Comply with section 6002 of the Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C. 6962), and implementing regulations of the Environmental Protection Agency, 40 CFR Part 247, which require the purchase of recycled products by States or political subdivision of States.

### III. Live Organisms

1 **Human research subjects.** You must protect the rights and welfare of individuals that participate as human subjects in research under this award in accordance with the Common Federal Policy for the Protection of Human Subjects (45 CFR part 46), as implemented by DOE at 10 CFR part 745.

#### 2 **Animals and plants.**

a. You must comply with applicable provisions of Department of Agriculture rules at 9 CFR parts 1-4 that implement the Laboratory Animal Welfare Act of 1966 (7 U.S.C. 2131-2156) and provide for humane transportation, handling, care, and treatment of animals used in research, experimentation, or testing under this award.

b. You must follow the guidelines in the National Academy of Sciences(NAS) Publication "Guide for the Care and Use of Laboratory Animals"(1996, which may be found currently at <http://www.nap.edu/readingroom/books/labrats/>) and comply with the Public Health Service Policy and Government principles Regarding the Care and use of animals (included as Appendix D to the NAS Guide).

c. You must immediately identify to us, as the awarding agency, any potential impact that you find this award may have on endangered species, as defined by the Endangered Species Act of 1973, as amended ("the Act," 16 U.S.C. 1531-1543), and implementing regulations of the Departments of the Interior (50 CFR parts 10-24) and Commerce (50 CFR parts 217-227). You also must provide any help we may need to comply with 16 U.S.C. 1536(a)(2). This is not in lieu of responsibilities you have to comply with provisions of the Act that apply directly to you as a U.S. entity, independent of receiving this award.

#### IV. Other National Policies

1 **Debarment and suspension.** You must comply with requirements regarding debarment and suspension in Subpart C of 2 CFR parts 180 and 901.

2 **Drug-free workplace.** You must comply with drug-free workplace requirements in Subpart B of 10 CFR part 607, which implements sec. 5151-5160 of the Drug-Free Workplace Act of 1988 (Pub. L. 100-690, Title V, Subtitle D; 41 U.S.C. 701, et seq.).

3 **Lobbying.**

a. You must comply with the restrictions on lobbying in 31 U.S.C.1352, as implemented by DOE at 10 CFR part 601, and submit all disclosures required by that statute and regulation.

b. If you are a nonprofit organization described in section 501(c)(4)of title 26, United States Code (the Internal Revenue Code of 1968),you may not engage in lobbying activities as defined in the Lobbying Disclosure Act of 1995 (2 U.S.C., Chapter 26). If we determine that you have engaged in lobbying activities, we will cease all payments to you under this and other awards and terminate the awards unilaterally for material failure to comply with the award terms and conditions. By submitting an application and accepting funds under this agreement, you assure that you are not an organization described in section 501(c)(4) that has engaged in any lobbying activities described in the Lobbying Disclosure Act of 1995 (2 U.S.C. 1611).

c. You must comply with the prohibition in 18 U.S.C. 1913 on the use of Federal funds, absent express Congressional authorization, to pay directly or indirectly for any service, advertisement or other written matter, telephone communication, or other device intended to influence at any time a Member of Congress or official of any government concerning any legislation, law, policy, appropriation, or ratification.

4. **Officials not to benefit.** You must comply with the requirement that no member of Congress shall be admitted to any share or part of this agreement, or to any benefit arising from it, in accordance with 41U.S.C. 22.

5 **Hatch Act.** If applicable, you must comply with the provisions of the Hatch Act (5 U.S.C. 1501-1508 and 7324-7326), as implemented by the Office of Personnel Management at 5 CFR part 151, which limits political activity of employees or officers of State or local governments whose employment is connected to an activity financed in whole or part with Federal funds.

6 **Native American graves protection and repatriation.** If you control or possess Native American remains and associated funerary objects, you must comply with the requirements of 43 CFR part 10, the Department of the Interior implementation of the Native

American Graves Protection and Repatriation Act of 1990 (25 U.S.C., chapter 32).

7 **Fly America Act.** You must comply with the International Air Transportation Fair Competitive Practices Act of 1974 (49 U.S.C. 40118), commonly referred to as the “Fly America Act,” and implementing regulations at 41 CFR 301-10.131 through 301-10.143. The law and regulations require air transport of people or property to, from, between or within a country other than the United States, the cost of which is supported under this award, to be performed by or under a cost-sharing arrangement with a U.S. flag carrier, if service is available.

8. **Use of United States-flag vessels.**

a. Pursuant to Pub. L. 664 (43 U.S.C. 1241(b)), at least 50 percent of any equipment, materials or commodities procured, contracted for or otherwise obtained with funds under this award, and which may be transported by ocean vessel, must be transported on privately owned United States-flag commercial vessels, if available.

b. Within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, “on-board” commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph 9.a of this section shall be furnished to both our award administrator (through you in the case of your contractor’s bill-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.

9 **Research misconduct.** You must comply with the government-wide policy on research misconduct issued by the Office of Science and Technology Policy (available in the Federal Register at 65 FR 76260, December 6,2000, or on the Internet at [www.ostp.gov](http://www.ostp.gov)), as implemented by DOE at 10 CFR part 733 and 10 CFR 600.31.

10 **Requirements for an Institution of Higher Education Concerning Military recruiters and Reserve Officers Training Corps (ROTC).**

a. As a condition for receiving funds under an award by the National Nuclear Security Administration of the Department of Energy, you agree that you are not an institution of higher education that has a policy or practice placing any of the restrictions specified in 10 U.S.C. 983. as implemented by 32 CFR part 216, on:

i. Maintenance, establishment, or operation of Senior ROTC units, or student participation in those units; or

ii. Military recruiters’ access to campuses, students on campuses, or information about students.

b. If you are determined, using the procedures in 32 CFR part 216, to be such an institution of higher education during the period of performance of this award, we:

i. Will cease all payments to you of funds under this award and all other awards subject to the requirements in 32 CFR part 216, and



ii. May suspend or terminate those awards unilaterally for material failure to comply with the award terms and conditions.

11. **Historic preservation.** You must identify to us any:

a. Any property listed or eligible for listing on the National Register of Historic Places that will be affected by this award, and provide any help we may need, with respect to this award, to comply with Section 106 of the National Historic Preservation Act of 1966 (16 U.S.C. 470f), as implemented by the Advisory Council on Historic Preservation regulations at 36 CFR part 800 and Executive Order 11593, "Identification and Protection of Historic Properties," [3 CFR, 1971-1975 Comp., p. 559].

b. Potential under this award for irreparable loss or destruction of significant scientific, prehistorical, historical, or archeological data, and provide any help we may need, with respect to this award, to comply with the Archaeological and Historic Preservation Act of 1974 (16 U.S.C.469a-1, et seq.).

12 **Relocation and real property acquisition.** You must comply with applicable provisions of 49 CFR part 24, which implements the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970(42 U.S.C. 4601, et seq.) and provides for fair and equitable treatment of persons displaced by federally assisted programs or persons whose property is acquired as a result of such programs.

13 **Confidentiality of patient records.** You must keep confidential any records that you maintain of the identity, diagnosis, prognosis, or treatment of any patient in connection with any program or activity relating to substance abuse education, prevention, training, treatment, or rehabilitation that is assisted directly or indirectly under this award, in accordance with 42 U.S.C. 290dd-2.

14 **Constitution Day.** You must comply with Public Law 108-447, Div. J, Title I, Sec. 111 (36 U.S.C. 106 note), which requires each educational institution receiving Federal funds in a Federal fiscal year to hold an educational program on the United States Constitution on September 17th during that year for the students served by the educational institution.

15 **Trafficking in Persons**

a. Provisions applicable to a recipient that is a private entity.

1. You as the recipient, your employees, subrecipients under this award, and subrecipients' employees may not—

i. Engage in severe forms of trafficking in persons during the period of time that the award is in effect;

ii. Procure a commercial sex act during the period of time that the award is in effect;  
or

iii. Use forced labor in the performance of the award or subawards under the award.

2. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if you or a subrecipient that is a private entity –

- i. Is determined to have violated a prohibition in paragraph a.1 of this award term;  
or
  - ii. Has an employee who is determined by the agency official authorized to terminate the award to have violated a prohibition in paragraph a.1 of this award term through conduct that is either—
    - A. Associated with performance under this award; or
    - B. Imputed to you or the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, "OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," as implemented by our agency at 2 CFR part 901.
- b. Provision applicable to a recipient other than a private entity. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if a subrecipient that is a private entity—
1. Is determined to have violated an applicable prohibition in paragraph a.1 of this award term; or
  2. Has an employee who is determined by the agency official authorized to terminate the award to have violated an applicable prohibition in paragraph a.1 of this award term through conduct that is either—
    - i. Associated with performance under this award; or
    - ii. Imputed to the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, "OMB Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," as implemented by our agency at 2 CFR part 901.
- c. Provisions applicable to any recipient.
1. You must inform us immediately of any information you receive from any source alleging a violation of a prohibition in paragraph a.1 of this award term.
  2. Our right to terminate unilaterally that is described in paragraph a.2 or b. of this section:
    - i. Implements section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. 7104(g)), and
    - ii. Is in addition to all other remedies for noncompliance that are available to us under this award.
  3. You must include the requirements of paragraph a.1 of this award term in any subaward you make to a private entity.

d. Definitions. For purposes of this award term:

1. "Employee" means either:
  - i. An individual employed by you or a subrecipient who is engaged in the performance of the project or program under this award; or
  - ii. Another person engaged in the performance of the project or program under this award and not compensated by you including, but not limited to, a volunteer or individual whose services are contributed by a third party as an in-kind contribution toward cost sharing or matching requirements.
2. "Forced labor" means labor obtained by any of the following methods: the recruitment, harboring, transportation, provision, or obtaining of a person for labor or services, through the use of force, fraud, or coercion for the purpose of subjection to involuntary servitude, peonage, debt bondage, or slavery.
3. "Private entity":
  - i. Means any entity other than a State, local government, Indian tribe, or foreign public entity, as those terms are defined in 2 CFR 175.25.
  - ii. Includes:
    - A. A nonprofit organization, including any nonprofit institution of higher education, hospital, or tribal organization other than one included in the definition of Indian tribe at 2 CFR 175.25(b).
    - B. A for-profit organization.
4. "Severe forms of trafficking in persons," "commercial sex act," and "coercion" have the meanings given at section 103 of the TVPA, as amended (22 U.S.C. 7102).

#### **V. National Policy Requirements for Subawards.**

Recipient responsibility. You must include in any subaward you make under this award the requirements of the national policy requirements in Sections I through IV of this document that apply, based on the type of subawardee organization and situation.

**Statement Of Project Objectives (SOPO) for: DE-OE0000278**

**South Kentucky Rural Electric Cooperative Corporation AMI Deployment**

A. Project Objectives

The objective of this project is to support the goal of the Smart Grid Investment Grant Funding Opportunity Announcement which is to accelerate the modernization of the nation's electric transmission, distribution, and delivery systems, and promote investments in smart grid technologies which increase flexibility, functionality, interoperability, cyber security, situational awareness and operational efficiency. An additional goal is to collect information from customers, distributors, and generators to understand how smart grid technologies may lead to reductions in demands and costs, increases energy efficiency, optimally allocates and matches demand and resources to meet that demand, and increases the reliability of the grid. The social benefits of a smart grid and energy storage technologies are reduced emissions, lower costs, increased reliability, greater security and flexibility to accommodate new energy technologies, including renewable, intermittent and distributed sources.

B. Project Scope (Scope of Work)

The Scope of Work is in accordance with the Recipient's application submitted in response to the Smart Grid Investment Grant Program Funding Opportunity Announcement.

C. Tasks to be Performed

Tasks to be performed under this agreement are comprised of the actions and activities described in the Recipients proposal and the deliverables and reports defined elsewhere in the agreement



South Kentucky Rural Electric Cooperative  
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Witness: Jim Adkins

34. Refer to the Application, Exhibit 3, page 7 of 7, and Case No. 2009-00489,<sup>3</sup> which address South Kentucky's proposed adjustment for retirement of mechanical meters and the installation of AMI meters.

a. Provide a schedule showing how many meters have been retired as of September 30, 2010 and a specific timeline for retiring the remainder of the mechanical meters.

b. Provide a status report on the installation of the AMI meters including a timeline for completion of the project.

c. Are meter purchases capitalized directly into Account 370?

d. Does South Kentucky have a predetermined cost of operation or maintenance capitalized in conjunction with the capitalization of the cost of meters?

e. Provide an analysis on what the completion of the AMI project will have on expense Accounts 586.00, Meter Expense, 597.00, Meter Maintenance, and 902.00, Meter Reading.

f. Provide the total expense for the accounts listed in the Response to part e., above, for the most recent five years.

g. Provide the estimated amount of annual expense for Account 902.00, Meter Reading, which South Kentucky expects to incur after completion of the AMI project.

h. Will all of the meter bases in use by South Kentucky's customers accommodate the new AMI meters without the need to modify or replace the meter bases? If no, explain in detail the types and number of meter bases that will have to be modified or replaced, the cost per meter base and total cost for the modifications and

replacements, and whether the cost to modify or replace will be paid by South Kentucky or by the customer.

i. If any costs will be incurred by South Kentucky for the modification or replacement of meter bases, state whether those costs are reflected within the pending rate application, exhibits, and schedules, and if so, where the costs are reflected.

j. If any costs to modify or replace the meter bases will be paid directly by a South Kentucky customer, explain the reasons why the customer pays those costs and describe the procedures for notifying the customer of the need to modify or replace the meter base.

Response to Question 34.

- a.
- |                          | <u>Meters</u> |
|--------------------------|---------------|
| As of September 30, 2010 | 14,617        |
| Thru December 2010       | 324           |
| 2011                     | 33,563        |
| 2012                     | 37,723        |
- b. Number of Meters installed as of August 30, 2011 43,653  
September thru December 2011 7,891  
January thru September 2012 17,756
- c. When meters are purchased, they go to Account 107.30 and then moved to Account 370 along with installation labor.
- d. No
- e. South Kentucky can only make what it feels is a very reasonable estimate upon the expense accounts. Listed below is the estimate for each account.
1. Accounts 586.00 – Meter Expense will decrease somewhat with the real savings be with the ability to read the meters when an account changes members. With about 16,000 such trips a year at an estimated cost of \$20 per trip, an estimated savings of \$320,000 could be realized.
  2. Account –598—Meter maintenance will increase tremendously as these meters are still unknown for maintenance but other cooperatives in Kentucky have expressed a significant increase

in meter maintenance because these meters seem to be much more sensitive to items such as lightning than the older meters were.

3. Account 902 – Meter reading will decrease by approximately 80% because of a lesser need to read meters manually with the deployment of the AMI system. The decrease will not be less because of the need to physically read meters once a year also at other times meters will need to be read due to some type of malfunctions or problems.

f. Calendar 902\*

<u>Year</u>	<u>902.10</u>	<u>597.00</u>	<u>586.00</u>
2005	473,828	10,452	866,709
2006	482,434	10,332	729,033
2007	521,853	12,672	828,027
2008	550,353	22,312	830,260
2009	551,745	27,492	979,354

- g. See Response to E above.
- h. No, damaged meter bases are found during the installation of AMI meters. The average cost to fix damaged meter bases is \$362.00. South Kentucky pays for the modification to the meter bases. Half of the cost is reimbursed by the DOE grant.
- i. Yes, a minimal amount.
- j. See Response to Item h.





South Kentucky Rural Electric Cooperative

Case No. 2011-00096  
Second Information Request  
Witness: Jim Adkins

35. Refer to the Application, Exhibit 4, pages 1 and 2.
- a. Provide a detailed explanation for the property tax adjustment.
  - b. In Case No. 2008-00371,<sup>4</sup> the Commission authorized South Kentucky to construct a new headquarters facility.
    - (1) Provide a status report on this construction including costs incurred to date for land, engineering, structures, etc. by account and year.
    - (2) Provide a timeline for completion of the construction.
    - (3) Explain whether the construction has impacted the proposed property tax adjustment.
    - (4) Explain how the completed construction will affect operating expenses.
  - c. Refer to the Analysis of Other Operating Taxes on page 2.
    - (1) Explain why no adjustment was made to Other Taxes listed on Line No. 1.(e) to reflect an increase in Account 408.70, Public Service Company Assessment Fee, which would result from the proposed revenue increase in this case.
    - (2) Explain why Account 408.70 is not listed in Exhibit M, Chart of Accounts or Exhibit Y–Trial Balance.

Response to Question 35.

- a. The property tax bills for 2010 were compared to the property tax bills for 2009. The increase was \$49,536. This increase was allocated to accounts based on the test year accrual. The difference between the amounts reported on page 7 and the adjustment on page 1 is due to a combination of amounts allocated to non-operating accounts and rounding. Neither of these would affect the adjustment to expenses that South Kentucky would propose.
- b. Reference Case No. 2008-00371:

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<sup>4</sup> Case No. 2008-00371, Application of South Kentucky Rural Electric Cooperative Corporation for a Certificate of Public Convenience and Necessity to Construct a New Headquarters Facility in Somerset, Kentucky (Ky. PSC May 11, 2010).

- (1) All amounts are included in Account 108.70. The total costs are \$972,150, which are comprised of surveying, design fees, filing fees, and a facilities assessment.
  - (2) At present there has been no construction and no estimated timeline for completion of the new headquarters facility.
  - (3) Construction work in progress is taxed at a 50% rate. The amount that the property tax adjustment would be affected would be on \$908,344, which would result in estimated taxes of \$2,044.
  - (4) The impact is included in the above referenced case. South Kentucky does not propose any impacts from the new headquarters in this application.
- c. Analysis of Other Operating Taxes:
- (1) This adjustment was not made by South Kentucky. However, we realize that the Public Service Company Assessment Fee would increase as a result of an increase in revenues.
  - (2) South Kentucky records this assessment with property taxes and allocates this amount the same as the allocation as listed in Exhibit 4, page 1 of the application.



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36. Refer to the Application, Exhibit 5, page 2. This is a schedule of South Kentucky's outstanding long-term debt. Provide an update of the schedules on pages 1-3 that reflect the current interest rates for long-term debt applied to the long-term debt balances as of the end of the proposed test year as a result of Case No. 2010-00355.<sup>5</sup>

Response to Question 36.

Exhibit 5, page 2, reflects the refinancing of RUS loans with CFC funds and also includes the current interest rates as a result of Case No. 2010-00355. The interest rates on the loans to CFC are fixed and will not change during the term of the loans. There are no changes in rates from the date of the application to the present for any of the loans listed.

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<sup>5</sup> Case No. 2010-00355, Application of South Kentucky Rural Electric Cooperative Corporation for Authorization to Borrow \$10,074,440 from The National Rural Utilities Cooperative Finance Corporation and Execute Necessary Note to Prepay Rural Utilities Service 5 Percent Notes of the Same Amount (Ky. PSC Sept. 23, 2010)



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37. Refer to the Application, Exhibit 8. In the first paragraph of page 1, it states that "South Kentucky offered an alternative to he (sic) reduce the premiums for both the employer and employee through the option of a PPO or a Health Savings Account (HAS)."

a. Provide a schedule showing which plan the employees chose for 2011 as well as the resulting cost.

b. If the amount of the medical adjustment has changed since the submission of the Application, provide updates to all affected exhibits.

Response to Question 37.

- a. The number of billings listed in the "Proposed" section of Exhibit 8, page 2, are the actual plans selected by employees. The cost is the same as proposed in the adjustment.
- b. The rates as reflected on page 2 are still in effect. The adjustment is the same as proposed in the application.





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38. Refer to the Application, Exhibit 9, page 1, third paragraph, regarding the hiring of a consulting firm, Garland & Associates, to perform economic development activities.

- a. Describe the process the board of directors followed for selecting a consulting firm to perform the economic development activities.
- b. Were any other consulting firms considered in the hiring process?
- c. Provide an explanation as to what benefits South Kentucky has received to date, including any specific projects, as a result of the consulting efforts of Garland & Associates.

Response to Question 38.

- a. The board of directors discussed thoroughly what they were looking for in economic development and the desired results from hiring a consulting firm. After much discussion, the board determined that Garland & Associates would be the best suited for providing economic development services for South Kentucky.
- b. The board considered who in the area could provide the best service, and it was determined that Mr. Garland had experience with this type of activity and would best serve South Kentucky in its economic development activities.
- c. Garland & Associates, Inc. (Garland) provides knowledge and expertise in the area of economic development in all areas that South Kentucky serves. Garland visits local agencies and officials, particularly those affiliated with community and economic development. Garland makes applications for "Community Economic Development and Public Safety" purposes; works to generate USDA Loan Funds and Grants; creates industrial master plans that do not have such plans; conducts and assists in community meetings with emphasis on Economic Development; assist in recruiting new industries; works with new and existing businesses and industries in funding sources for job creation and retention in the service area.



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39. Refer to the Application, Exhibit 12, where South Kentucky estimates the expenses associated with this rate case. On a monthly basis, beginning in October 2010, provide the amount of South Kentucky's actual rate case expenses, by category, as was done in the estimate. Consider this an ongoing request which is to be updated monthly.

Response to Question 39.

Costs thru July 31, 2011 are as follows:

<u>Date</u>	<u>Check #</u>	<u>Payee</u>	<u>Amount</u>	<u>Description</u>
1/14/2011	147918	Jim Adkins Consulting	50,428.50	Rate case preparation
7/14/2011	150070	Commonwealth Journal	2,740.92	Advertising
7/6/2011	149955	VISA - Office Depot	447.73	Paper
8/11/2011	150588	VISA - Office Depot	545.44	Binders
7/14/2011	150087	Wayne County Outlook	1,171.80	Advertising
7/14/2011	150089	Federal Express	50.59	Postage
7/21/2011	150229	Federal Express	54.10	Postage
7/14/2011	150092	Times Journal	2,381.40	Advertising
7/14/2011	150266	Darrell Saunders, PSC	31.25	Legal fees
8/18/2011	150773	Darrell Saunders, PSC	93.75	Legal fees
		Coop labor and benefits	1,500.65	No overtime included
			59,446.13	



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Refer to the Application Exhibit 16, the Year End Customer Growth Adjustment.

a. Question:

This calculation uses a twelve month average. In recent rate cases filed with the Commission, the customer growth adjustment has been calculated using a thirteen-month average. Explain the basis for using a twelve month average.

a. Response:

The use of a twelve month average instead of a thirteen month was an oversight. Information was pulled from the billing data for the test year without recognizing that data for the month previous to the test year should be included.

b. Question:

Explain why the rate class AES (All Electric Schools), as well as the residential and small commercial ETS rate classes are not included in the customer growth adjustment.

b. Response:

These classes were not included as they have had very little change in the number of customers. However, a revised year end growth adjustment has been developed using the wholesale and retail rates effective on June 1, 2011. This revised adjustment is based on the twelve month average as that is the data that is readily available.

c. Question:

Explain the calculation of the "Change" for Rate B and Rate STL.

c. Response:

The calculation are the normal ones and are carried out to several decimal places which are not shown on the schedule.

Witness: Jim Adkins

d. Question:

Provide the origin of the TY Base Revenues

d. Response:

The revenue amounts come from Exhibit J and are the rates in effect as this date.

e. Provide the origin of the Energy kWh for Rate B, Rate Stl, Rate OL, and Rate DSTL.

e. Response:

This information comes from Exhibit R, Schedule 4.1.

f. Question:

Provide the origin of the "Total Consumers: for Rate STL and Rate OL.

f. Response:

This information comes from Exhibit J of the Application

g. Question:

Explain how the "Purchased Power Costs" were calculated.

g. Response:

This information is based on the Cost of Service Study and is located in Exhibit R, Schedule 6 in this study.

h. Question:

Revise this exhibit for corrections made in response to any of the above subparts to this question and for the revision made to Exhibit J in Response to Item 6 of this request for information, File that response in both hard copy and electronic format with the formulas intact and unprotected.

h. Response

The revised hard copy is page 3 of this response







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41. Refer to the Application, Exhibit 18. Explain why the total amount for Benefits Distribution of \$4,056,906 does not match the total Benefits of \$4,053,509.

Response to Question 41.

After the allocation of benefits was made, it was discovered there the amount for payroll taxes was the payments and not the accrual. This was not adjusted after the allocation was calculated.



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42. Refer to the Application, Exhibit 19, page 1 of 3, which shows the payment of capital credits to its members on an annual basis beginning with calendar year 2005. Provide a schedule of South Kentucky's capital credit payments for all years since the inception of the plan in the same format as used in the exhibit.

Response to Question 42.

Payments of capital credits since the inception of the plan are listed in Exhibit 19.



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43. Refer to Application, Exhibit 20, which contains South Kentucky's depreciation study.

a. Refer to the first paragraph on page 1.

(1) Describe the differences in the "construction unit cost basis" and the "record unit basis" for maintaining continuing property records.

(2) State the reasons South Kentucky switched from the construction unit basis to the record unit basis.

b. Refer to the second paragraph on page 1.

(1) South Kentucky states that vintage accounting is a system where a plant is accounted for by year of installation and that South Kentucky did not use vintage accounting for mass property. Explain why the information provided by South Kentucky in Exhibit 20, Section 8, does not represent vintage accounting.

(2) Mr. Adkins states that, in the absence of vintage accounting, simulated plant records were created. Using the simulated plant records, Mr. Adkins assigned Iowa Type Survivor Curves to determine the average service life for each distribution asset account group. He also created simulated plant records in the depreciation studies he recently prepared for Blue Grass Energy Cooperative ("Blue Grass") in Case No. 2008-00011<sup>6</sup> and for Clark Energy Cooperative ("Clark Energy") in Case No. 2009-00314.<sup>7</sup> The average service lives assigned to each distribution asset account group of South Kentucky, Blue Grass, and Clark Energy are shown in Table 2.

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<sup>6</sup> Case No. 2008-00011, The Application of Blue Grass Energy Cooperative Corporation for an Adjustment in Its Electric Rates (Ky. PSC Aug. 28, 2008). See the Application, Exhibit 3, Service Life and Net Salvage Study, Scope, First Page, Paragraphs 2 and 3.

<sup>7</sup> Case No. 2009-00314, Application of Clark Energy Cooperative, Inc. for an Adjustment of Rates (Ky. PSC Apr. 16, 2010). See the Application, Exhibit 3, Service Life and Salvage Study and Recommended Depreciation Accrual Rates, Scope, First Page, Paragraphs 2 and 3.

Also listed in Table 2 are the estimated average service lives assigned to the electric distribution assets of investor owned utilities (“IOU’s”) Kentucky Utilities Company, Louisville Gas and Electric Company, and Duke Energy Kentucky, Inc. in depreciation studies submitted to the Commission in Case Nos. 2007-00565,<sup>8</sup> 2007-00564,<sup>9</sup> and 2006-00172,<sup>10</sup> respectively. Each study was prepared by John Spanos of Gannet Flemming. In these studies, Mr. Spanos used the retirement rate method to assign survivor curves to each plant account group. The retirement rate method includes a combination of actual plant retirement data and statistically aged plant data.<sup>11</sup>

For comparative purposes, the lives assigned by the three rural electric cooperative corporations (“RECC’s”) to each asset account group were averaged and shown in Table 2, along the averaged lives assigned by the three IOU’s. As shown in Table 2, except for Line Transformers and Installations on Customers’ Premises, the averaged lives assigned to RECC distribution assets are significantly shorter than those assigned by IOU’s.

(c) Discuss the reasons that Mr. Adkins’ application of the Simulated Plant Records (“SPR”) method results in such a significantly shorter life for the majority of distribution plant account groups when compared to Mr. Spanos’ life assignments using the Retirement Rate Method.

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<sup>8</sup> Case No. 2007-00565, Application of Kentucky Utilities Company to File a Depreciation Study (Ky. PSC Feb. 5, 2009).

<sup>9</sup> Case No. 2007-00564, Application of Louisville Gas and Electric Company to file Depreciation Study (Ky. PSC Feb. 25, 2009).

<sup>10</sup> Case No. 2006-00172, An Adjustment of the Electric Rates of the Union Light, Heat and Power Company D/B/A Duke Energy Kentucky, Inc. (Ky. PSC Dec. 21, 2006).

<sup>11</sup> Case No. 2007-00565, Application, Part 1, Direct Testimony of John Spanos, Depreciation Study, Part II, Page II-10; Case No. 2007-00564, Application, Part 1, Direct Testimony of John Spanos, Depreciation Study, Part II, Page II-10; and Application of Duke Energy, Volume 8, Depreciation Study filed to satisfy 807 KAR 5:001, Section 10(9)(s), Part II, Page II-10.

(d) Explain how the absence of actual plant retirement data by vintage may result in the assignment of shorter lives by the RECC's than the lives assigned by the IOU's who have this retirement data.

(e) Explain how the judgment required when developing the Iowa Type Survivor Curve analysis impacts the lives assigned to each asset group, and how the physical make-up of the RECC's distribution plant is different than that of the IOU's resulting in shorter average service lives.

(f) Identify and describe the factors that cause equipment of RECC's, other than Line Transformers and Installations on Customers' Premises, to have a shorter economic life than similar equipment of IOU's.

Table2

	Average Life based on Survivor Curve Analysis						Average	
	Rural Electric Cooperative Corp. (RECC)			Investor Owned Utilities (IOU)			RECC	IOU
	South Kentucky 2011-00096	Blue Grass Energy 2008-00011	Clark Energy 2009-00314	Kentucky Utilities 2007-00565	Louisville Gas & Electric 2007-00564	Duke Energy 2006-00172		
Distribution Plant								
Station Equipment	10	24		52	55	45	17	51
Poles, Towers and Fixtures	32	39	31	48	50	44	34	47
Overhead Conductor and Devices	29	29	22	48	45	44	27	46
Underground Conduit	45		36	55	70	65	41	63
Underground Conductors and Devices	23	22	25	44	50	60	23	51
Line Transformers	45	38	33	40	45	42.5	39	43
Service (Pole to House)	28	22	47	43	45	51.5	32	47
Meters	24	22	12	40	30	28	19	33
Meters, AMR								
Installations on Customers' Premises	24	31	17	20		25	24	23
Street Lighting & Signal Systems	15	23	14	33	32.5	30	17	32

### Response to Question 43

- a. Record unit accounting
  - (1) The "construction unit cost basis" is the unit of measure that is used to actually construct unit of plant. The "record unit basis" is the unit of plant that RUS recommends in its work order procedures manuals. A record unit may contain more than one construction unit of property.
  - (2) The RUS Field Auditor made the recommendation and RUS required all cooperatives that maintained CPRs on the construction unit cost basis to convert to the record unit basis. South Kentucky made the conversion as required by RUS.
- b. Vintage accounting.
  - (1) The accounting software used by South Kentucky does not allow for vintage accounting. Additions and retirements are averaged for life to date by record unit. Retirements are recorded using the average plant balance for each record unit that is removed from service.
  - (2) Service lives of assets.

c) The use of Simulated Plant Records (SPR) instead of the Retirement Rate Method (RRM) in itself should not result in significant differences. The plant additions and retirements would account for this difference. Below is the average service life for Jackson Energy Cooperative, Case No. 2007-0033, which was prepared by Gannett Fleming, as compared to the average for the RECC's. As indicated, the differences for the average of the RECC's and Jackson Energy are not significantly different. This would indicate that the SPR method and the RRM method, in and of itself, would not result in significant average service life differences.

<u>Distribution Plant Accounts</u>	<u>Average Service Life</u>	
	<u>Average RECC</u>	<u>Jackson Energy</u>
362 Station equipment	17	15
364 Poles, towers and fixtures	34	29
365 Overhead conductor and devices	27	31
366 Underground conduit	41	50
367 Underground conductor and devices	23	30
368 Line transformers	39	39
369 Services	32	28
370 Meters	19	24
371 Security lights	24	21
373 Street lights	17	21

(d) Actual plant data by vintage should result in more accurate calculation of the average service lives. In the absence of vintage data, simulated data must be calculated to match the closeness between actual annual amounts and those that have been simulated. This should not result in shorter lives of assets.

(e) The RECC's plant is unique from IOU's in the standpoint that most of the plant makeup for RECC's is in very rural areas. Poles and conductor are installed on hillsides, along winding roads, through forests, and generally in any location available to get to consumers. Plant for IOU's is generally in more populated urban areas where construction is along streets and access that is easier to maintain.

(f) RECC's have right of way issues where minor wind and storms can cause trees to fall across lines, poles are on hillsides that can shift with rain and erosion, and pockets of growth can make existing conductor outdated and required to be replaced. IOU's generally do



not have the right of way issues and more planned growth, which would lend itself to less replacement of conductor.



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44. Refer to the Application, Exhibit 20, Scope, first page, third paragraph.
- a. Describe how the SPR method is used to analyze data to fit the data to the "best curve."
  - b. Is the SPR method used in Exhibit 20 recognized by the Society of Depreciation Professionals as an acceptable method?

Response to Question 44.

- a. The selection of a retirement dispersion was calculated for each account that matched the closeness between actual annual amounts and those that had been simulated when compared to one of the Iowa Curves. The life with the closest match was selected as the average service life for that account.
- b. Absent vintage records, the SPR method is recognized as acceptable by the Society of Depreciation Professionals.



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45. Refer to the Exhibit 20, Scope, second page, third paragraph. It states that, “[t]he most likely retirement patterns and average service lives were developed based on the SPR analysis.” State specifically how the retirement patterns and average service lives were developed using the SPR analysis. Include in the response, discussion of the degree of professional judgment required when developing the retirement patterns and average service lives.

Response to Question 45.

The actual plant retirements and balances were compared with the guideline curves and corresponding life for each asset account. There are no exact matches between the curves and lives, therefore, the actual activity that most closely matches a curve and historical life is selected as the best fit. The differences between each curve and historical life is summed with the lowest rated difference being the curve and life selected. Professional judgment is used to review the results to ensure they are reasonable and similar to other electric cooperatives.



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46. Refer to the Exhibit 20, Scope, second page, third paragraph. It states that the SPR analysis was “analyzed for appropriateness and a curve and service life were selected for each account.”

a. State specifically the type of analysis performed. Include in the response, discussion of the degree of professional judgment required in this analysis.

b. State what is meant by appropriateness. Include in the response, discussion of the degree of professional judgment required when determining the appropriateness.

c. State specifically how a curve and service life was selected for each asset account group. Include in the response, discussion of the degree of professional judgment required when making these selections.

Response to Question 46.

- a. The computer model calculates an average service life and historical life curve. The average service life and curve are compared to other RECC's to determine both are reasonable as compared to other studies performed.
- b. The results were compared to other RECC's to determine if the results were similar. If the results were similar, then the average service lives were considered appropriate. Since South Kentucky was in the process of replacing its existing meters with AMI, it was determined that a historical life of 24 years would not be appropriate. There were also discussions with South Kentucky personnel as to whether there would be an aggressive pole, conductor, transformer, or other asset group replacement program. South Kentucky stated there was none anticipated, therefore, the historical lives appeared appropriate.
- c. The SPR method was used to indicate the generalized survivor curve that best represents the life characteristics of each asset account since property records do not contain the age of the property upon retirement. The selection of the curve and average service life was based upon the closeness of the match between actual and simulated annual amounts. Curves and lives were compared to other studies performed for RECC's for reasonableness. AMI meters and station equipment, which relates to AMI were determined to have a life of 15 years. This is consistent with other electric cooperatives that have installed AMI.





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47. Refer to the Application, Exhibit 20, Scope, second page, fourth paragraph; Exhibit 20, Section 3, page 1; and Exhibit 20, Section 7.

a. In the Scope, South Kentucky states that net salvage was allocated to the primary account on a percentage basis. Provide the calculation of the allocations and explain why the allocations are appropriate.

b. In Section 3, the salvage is stated as a percentage of original cost.

(1) Explain why net salvage was not allocated to Station Equipment, Line Transformers, Meters, or Street Lighting.

(2) Explain why salvage value was allocated to underground conduit.

c. By applying the salvage percentages to original cost as stated on Section 3, total net salvage is a negative \$57,658,395. Section 7 appears to detail historical salvage values. Show how the \$57,658,395 was derived from the information shown in Section 7. If the \$57,658,395 was not derived from the information shown in Section 7, provide work papers detailing its calculation.

Response to Question 47.

a. The allocation of net salvage is based upon assumptions. Net salvage percentages were based on the same percentages as other RECC's, then adjusted to arrive at net salvage percentages that would most closely relate to the actual net salvage as recorded by South Kentucky in its accumulated depreciation for distribution plant. South Kentucky used net salvage percentages that are similar to other electric cooperatives.

b. Net salvage percentages of original cost.

(1) Net salvage was applied to Street Lighting in the amount of 0.85% on the proposed rates. The rate of 45% was omitted from the schedule after the Scope section and calculation of composite remaining life in Section 5. Net salvage is not allocated to Station Equipment, Line Transformers, or Meters since the RUS Uniform System of Accounts requires any costs after the initial installation of transformers or meters to be expensed. The station equipment in service all relates to AMI equipment.

(2) When underground conduit is retired, employees record a portion of their labor to the retirement work order. Allocating a portion of net salvage to underground conduit more closely relates to the actual recording of labor on retirement work orders.

c. The net salvage ratios as indicated in Section 7 are calculated as indicated in 47.a. of this response. The negative \$57,948,245 is the result of multiplying the above ratio by the plant balance.



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48. Refer to the Application, Exhibit 20, Scope, second page, last paragraph, first line. This line reads, "When utilizing the **whole** life method . . . ." Is this accurate or is this sentence actually referring to the **remaining** life method?

Response to Question 48.

The line should read "When utilizing the **remaining** life method ....."



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49. Refer to the Exhibit 20, Scope, third page, second paragraph, and page 4.
- a. Provide all engineering data available to South Kentucky supporting the fifteen-year service life assigned to AMI meters.
  - b. From information provided by South Kentucky in its Application, it is understood that South Kentucky will replace all existing meters with AMI meters within the next three years. Explain why it is appropriate to assign a fifteen-year depreciable life to the new AMI meters when the analysis provided by South Kentucky in its depreciation study at Section 4, page 15, establishes the historic average life of a meter at twenty-four years.
  - c. Refer to page 4. Provide a list of other RECC's who utilize a fifteen-year depreciable life for recently installed AMI devices.

Response to Question 49.

- a. South Kentucky has had conversations with its vendor of meters. The vendor only give verbal information that it estimates meters technology will probably not last for fifteen years. However, they estimate the hardware of the meters should last "longer than" the technology of the meters.
- b. The 24 year historical life from the study is based on the mechanical meters. It is estimated that AMI meters useful lives will not be as long due to technical obsolescence.
- c. Other RECC's that South Kentucky is aware of that use a fifteen-year life for AMI include:
  - Big Sandy RECC
  - Blue Grass Energy
  - Clark Energy Cooperative
  - Cumberland Valley Electric
  - Farmers RECC
  - Grayson RECC
  - Jackson Energy Cooperative
  - Licking Valley RECC
  - Meade County RECC
  - Nolin RECC
  - Owen Electric Cooperative
  - Shelby Energy Cooperative



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50. Refer to the Application, Exhibit 20, Scope, fourth page, second paragraph. It is stated that, “[t]he study findings are based upon many factors and assumptions . . . .” Provide all factors and assumptions used in the development of the depreciation study.

51.

Response to Question 50.

Assumptions and factors include, but are not limited to:

- Conductor replacement programs in effect.
- Future conductor replacement programs.
- Right of way programs in effect and future considerations.
- Unusual or unique situations for both plant and reserve accounts that have occurred.

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51. Refer to the Application, Exhibit 20, Scope, fourth page, last paragraph and Exhibit 20, Section 3, page 3. In the Scope, South Kentucky states that whole life depreciation was chosen based on “asset lives” and the “current reserve ratio.” In Section 3, South Kentucky provides information showing that accumulated depreciation per books is \$40,945,888, or \$25,832,989 (39 percent) less than the calculated reserve of \$66,778,877 using the results of the depreciation study.

a. Explain how the “asset lives” were considered in the determination to use whole life depreciation rates instead of remaining life depreciation rates.

b. Explain how the “current reserve ratio” was considered in the determination to use whole life depreciation rates instead of remaining life depreciation rates.

c. Explain how the 39-percent deficit in the booked accumulated depreciation account compared to the calculated reserve was taken into consideration when determining whether to use whole life depreciation rates or remaining life depreciation rates.

Responses to Question 51.

- a. The remaining life method was considered when determining depreciation rates. However, this Commission has recognized the Whole Life Method of selecting historical lives and using the average net salvage of the last five years in determining the depreciation rate to use. South Kentucky elected this method which is consistent with other electric cooperatives and has been accepted by the Commission.
- b. The reserve ratio has remained fairly constant. The depreciation guideline curve information put South Kentucky slightly below the RUS Minimum Curve line.
- c. The calculated reserve was reviewed for reasonableness, after the review the decision was made to use the whole life rates.



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52. Refer to the Application, Exhibit 20, Section 3, page 1.

a. The amounts listed as future accruals for each Distribution Plant Account are determined in Exhibit 20, Section 5, which is based on simulated plant balances. Explain why it is appropriate to calculate the annual accrual amounts using the future accruals that are based on the simulated balances instead of the actual book balances.

b. Is the use of future accruals that are based on simulated balances a method accepted by the Society of Depreciation Professionals?

Response to Question 52.

- a. The historical lives are based on simulated plant balances. In order to properly match the accrual with the life of the asset, the simulated balance should be used to calculate the annual accrual.
- b. The use of future accrual based on simulated balances is a method accepted by the Society of Depreciation Professionals.

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53. Refer to the Application, Exhibit 20, Section 4.

a. Presented in Section 4 are the service life statistics for each asset account group. One of the statistics included for each account group is the "Historical Percent Surviving." Explain how these percentages were determined. Include in the response, discussion of the degree of professional judgment required in the determination of these percentages.

b. Page 1 and page 2 are the service life statistics for Account 362, Station Equipment. This information includes the simulated plant survivors for each year. The simulated plant-survivor percentages indicate that no station equipment placed into service prior to 1992 remained in service at the time the depreciation study was completed.

(1) In the judgment of Mr. Adkin's, is it reasonable to expect that no substation plant remains in service today that was placed into service prior to 1992? Explain.

(2) Explain the changes in the ending balances for Account 362 from 2006 through 2008.

Response to Question 53.

- a. These are the percentages that correspond to the S1 curve with a historical life of 32 years. There is no judgment with this percentage.
- b. Account 362, Station Equipment:
  - 1. All amounts that were placed in Account 362 prior to 1992 have been removed, or transferred to another account. None of this equipment is in service, or in account 362.
  - 2. The additions in 2007 relate to AML equipment located at the substation. The adjustment in 2008 was to transfer equipment that was not placed in service to Account 107.30 until the equipment was actually placed in service.

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Question:

Provide a schedule showing a comparison of the retirement of poles and overhead conductor from Accounts 364 and 365 respectively, along with a schedule of poles and overhead conductor planned to be retired as contained in South Kentucky's construction work plans for the calendar years 2001-2010. Provide the overhead conduction information both in terms of cost, type and length.

Response:

South Kentucky is in the process of developing this information and will forward it as soon as it is completed.

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55. Explain why South Kentucky did not propose an adjustment to cable television attachment rates in its Application.

Response to Question 55.

South Kentucky reviewed its cable television attachment rates and determined they were reasonable and any change would be minimal. Therefore, South Kentucky has not proposed any changes to its cable television attachment rates.

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56. Explain why South Kentucky did not propose adjustments to other charges such as connections, disconnections, meter testing, returned checks, etc. in its Application.

Response to Question 56.

South Kentucky reviewed its non-recurring charges and determined they were reasonable and proposed no changes to these charges.

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Refer to South Kentucky's last rate case, Case No. 2005-00450. In the settlement, South Kentucky agreed to amend its bylaws concerning the qualification of directors and adopt a board policy that promotes the avoidance of nepotism, self-dealing and conflicts of interest.

a. Question:

In the test year and the twelve months preceding the test year, has South Kentucky violated any of the amendments to the revised bylaws?

a. Response:

To the best of its knowledge, South Kentucky feels that it has not violated its bylaws. To be completely frank, South Kentucky at the current time does not allow any type of transaction that could be construed as violating its bylaws.

b. Question:

If the answer to a above is affirmative, provide a detailed description of the violation(s).

b. Response:

South Kentucky feels that it does not have any violations.

c. Question:

If South Kentucky make purchases from businesses owned by any member of the Board of Directors in the timeframe listed in a above, provide a schedule of each purchase and explain how it was determined to be the least cost alternative or the best and most cost efficient alternative.

c. Response:

South Kentucky is in the process of developing this information for filing with the Commission as soon as possible. Since purchases with business owned by Item

Witness: Jim Adkins

directors is no longer allowed, it is taking some time to develop the necessary information. A third party, who is not an employee of the company, is developing this informaton for filing with the Commission.