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OCT 29 2014

PUBLIC SERVICE COMMISSION

October 27, 2014

Mr. Jeff Derouen Executive Director Kentucky Public Service Commission 211 Sower Blvd P O Box 615 Frankfort, KY 40602-0615

RE: Case No. 2014-00051

4th Request for Information

Dear Mr. Derouen:

Enclosed are an original and six (6) copies of Shelby Energy Cooperative Inc.'s response to questions #1, #2, #4a, and #4b as addressed to all member cooperatives and/or to Shelby Energy within the commission staff's fourth request for information dated October 14, 2014. This response has been provided by e-mail to all parties of record.

Should you have any questions or need further information, please let me know.

Sincerely,

Mary E. Federle Billing Manager

Enclosures

VERIFICATION

The undersigned, Mary E. Federle, Billing Manager of Shelby Energy Cooperative, Inc. certifies that the response contained in this document are true and accurate to the best of her knowledge, information and belief formed after a reasonable inquiry. Thany E. Federle
Mary E. Federle

COMMONWEALTH OF KENTUCKY

COUNTY OF SHELBY

Subscribed and sworn to before me by Mary E. Federle, Billing Manager of Shelby Energy Cooperative, Inc., to be her free act and deed this 27 1 day of ctober, 2014.

(SEAL)

My Commission Expires:

7/13/2015

ID: 446577

COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of

AN EXAMINATION BY THE PUBLIC SERVICE		
COMMISSION OF THE ENVIRONMENTAL)	
SURCHARGE MECHANISM OF EAST KENTUCKY)	
POWER COOPERATIVE, INC. FOR THE SIX-)	CASE NO.
MONTH BILLING PERIOD ENDING DECEMBER		2014-00051
31, 2013 AND THE PASS THROUGH MECHANISM)	
FOR ITS SIXTEEN MEMBER DISTRIBUTION)	
COOPERATIVES)	

RESPONSE OF <u>SHELBY ENERGY COOPERATIVE</u>, <u>INC.</u> TO COMMISSION STAFF'S FOURTH REQUEST FOR INFORMATION TO EAST KENTUCKY POWER COOPERATIVE, INC.'S SIXTEEN MEMBER COOPERATIVES

DATED: October 27, 2014

Shelby Energy Cooperative's Response to the **Commission Staff's Fourth Request for Information** Case No. 2014-00051

Question:

1. This question is addressed to each of the 16 member distribution cooperatives.

Confirm that the requested amortization period for the over-or-under-recovery amounts

determined in the response to the September 4, 2014 informal conference information request

is six months.

Response:

1. Shelby Energy Cooperative is in agreement that the requested amortization period

is six months.

Witness: Mary E. Federle

Shelby Energy Cooperative's Response to the Commission Staff's Fourth Request for Information

2014-00051 Case No.

Question:

2. This guestion is addressed to each of the 16 member distribution cooperatives except

for Grayson Rural Electric Cooperative Corporation and South Kentucky Rural Electric

Cooperative Corporation ("South Kentucky"). Based on the average residential usage amount

determined in your response to Item 6 of Commission Staff's First Request for Information,

provide the dollar impact the over-or-under-recovery amount determined in your response to

the September 4, 2014 informal conference information request will have on the average

residential customer's monthly bill for the requested amortization period. Provide all

supporting calculations.

Response:

2. Refer to Exhibit A, Pages 1-4 for the dollar impact, supporting calculations and

related documents.

Witness: Mary E. Federle

Page 1 of 1

Shelby Energy Cooperative's Response to the Commission Staff's Fourth Request for Information Case No. 2014-00051

Question:

- 4. This question is addressed to Shelby Energy Cooperative, Inc. ("Shelby Energy").
- a. Provide the calendar dates for the revenue months of September and October. Explain how Shelby Energy can record revenues associated with October customer billings in September.
- b. Explain whether Shelby Energy has implemented or intends to implement its proposed transition to using a single environmental surcharge factor for the entire revenue month.

Response:

- 4a. Refer to Exhibit B for the calendar dates relating to the revenue months for September and October. Due to the nature of the billing cycles as shown in the exhibit, the determination of the revenue month is associated with the month to which the majority of days usage apply.
- 4b. Shelby is prepared to implement the proposed transition to use a single environmental surcharge factor for the entire revenue month with the next applicable set of revenue month cycles. Unless otherwise directed by the commission, this will take place with

Shelby Energy Cooperative's Response to the Commission Staff's Fourth Request for Information Case No. 2014-00051

the first November revenue cycle scheduled for billing on November 25, 2014.

The current environmental surcharge factor calculated and submitted to the Commission

on approximately September 20, 2014 was updated on the usual calendar month basis for

October, 2014. The next calculation and submission of the environmental surcharge will take

place approximately October 20, 2014, and will be applied to the first billing cycle for the

November revenue month.

As described in the response to Item 2 of the Supplemental Filing from the September 4,

2014 Informal Conference, the transition will result in the environmental surcharge factor

applying to billing cycles 5, 1, and 2 when billed in November, 2014 being the same as the

factor applied for those cycle billings in October, 2014 which was 9.40%. The same

environmental surcharge factor will be applied to all billing cycles for the same revenue month

going forward.

Witness:

Mary E. Federle

Page 2 of 2

Average Monthly Residential kWh:		1,251
Residential Rate:		
Facility Charge	\$10.14	\$10.14
kWh Charge	\$0.08861	110.85
Fuel Adjustment Factor	(\$0.00245)	(3.06)
Surcharge (November, 2013)	12.64%	14.91
** Refer to Exhibit A - Page 3	of 4	
County Tax	3.00%	\$3.98
		\$136.82
Actual Average Residential Monthly Average Monthly Residential kWh:	Bill with Recovery	1,251
Average Monthly Residential kWh: Residential Rate:		
Average Monthly Residential kWh: Residential Rate: Facility Charge	\$10.14	\$10.14
Average Monthly Residential kWh: Residential Rate: Facility Charge kWh Charge	\$10.14 \$0.08861	\$10.14 110.85
Average Monthly Residential kWh: Residential Rate: Facility Charge kWh Charge Fuel Adjustment Factor	\$10.14	\$10.14 110.85 (3.06)
Average Monthly Residential kWh: Residential Rate: Facility Charge kWh Charge	\$10.14 \$0.08861 (\$0.00245) 13.00%	\$10.14 110.85 (3.06)
Average Monthly Residential kWh: Residential Rate: Facility Charge kWh Charge Fuel Adjustment Factor Surcharge (November - 2013)	\$10.14 \$0.08861 (\$0.00245) 13.00%	\$10.14 110.85 (3.06) 15.33
Average Monthly Residential kWh: Residential Rate: Facility Charge kWh Charge Fuel Adjustment Factor Surcharge (November - 2013) *** Refer to Exhibit A - Page 4	\$10.14 \$0.08861 (\$0.00245) 13.00%	1,251 \$10.14 110.85 (3.06) 15.33 \$4.00 \$137.25

Exhibit A Page 2 of 4

Shelby Energy Coop - Calculation of (Over)/Under EKPC Net EKPC Billed to Invoice Amortization of Invoice and Retail Month Previous (Over)/Under Amortization Consumer & recorded Recoveries of Previous recorded on Monthly Cumulative CN 2012-Member's CN 2013-Over)/Unde Member's (Over) or (Over) or Books 00486 00140 Recoveries Books Under Under Mo/Yr (1) (2)(3)(5)(6)(7) Jul-13 \$407,660 \$ 407,660 450,714 \$(43,054) \$ (43,054)\$387,875 Aug-13 (30,009)\$ 357,866 384,038 \$(26,172) (69,227)(30,009)Sep-13 \$335,874 \$ 11,685 \$ 317,550 316,359 \$ 1,191 (68,036)Oct-13 \$302,599 (30,009)\$ 11,685 \$ 284,275 300,133 \$(15,858) \$ (83,894)Nov-13 \$397,201 (30,009)\$ 11,685 \$ 378,877 374,304 \$ 4,573 (79,320)Dec-13 (30,009)\$ 11,685 \$ 468,807 \$ \$487,131 457,802 \$ 11,005 \$ (68,315)\$489,209 (30,009)\$ 11,685 Jan-14 \$ 470,885 483,642 \$(12,757) (81,072)Feb-14 \$326,107 \$ 11,685 \$ 337,792 393,414 \$(55,622) (136,694)Cumulative 6-months (Over)/Under Recovery \$ (68,315)Monthly Recovery (per month for six months) \$ (11,386)Response to Staff's First Request, Request 2a: Cumulative 6-months (Over)/Under Recovery \$34,990

Monthly Recovery

Case No. 2014-00051

\$5,832

For the Month Ending February 2014

	(1)	(2)	(3)		(4)	(5)		(6)		(7)		(8)		(9)		(10)		(11)	(12)	-	(13)		(14)	(15)
Surcharge Factor Expense Month	EKPC CESF %	EKPC BESF %	EKPC MESF %	EKPC Monthly Revenues from Sales to Shelby		On-peak Revenue Adjustment	E	EKPC Net Monthly Sales to Shelby	En	PC 12-months ded Average hthly Revenue om Sales to Shelby		Shelby Revenue equirement	(O ₁	of of ver)/Under decovery	Ner F	Shelby et Revenue Revenue equirement		Shelby Total onthly Retail Revenues	On-Peak Retail Revenue Adjustment		Shelby let Monthly Retail Revenues	Д	2-months ended vg. Retail Revenues, Net	Shelby Pass Through Mechanism Factor
			Col. (1) - Col. (2)				Co	ol. (4) - Col. (5)	_		Co	ol (3) x Col (7)			Col	i (8) + Col (9)				Col.	(11) - Col. (12)			Col (10) / Col (14)
Mar-12 Apr-12 May-12 Jun-12	12.92% 14.94% 16.90% 15.55%	0.00% 0.00% 0.00% 0.00%	14.94%	\$:	2,138,995 1,804,363 2,164,468 2,324,480		9999	2,138,995 1,804,363 2,164,468 2,324,480	\$	2,308,109 2,301,307 2,315,157 2,310,439	9999	298,208 343,815 391,262 359,273	\$		\$ \$ \$ \$	298,208 343,815 391,262 359,273	\$ \$ \$ \$	3,442,496 2,794,395 2,595,891 2,813,948		\$ \$ \$ \$		\$	3,062,098 3,011,888 3,005,311 3,019,335	9.67% 11.23% 12.99% 11.95%
Jul-12 Aug-12	14.51% 14.13%	0.00%	14.51%	\$ 2	2,682,728 2,490,773		9 99	2,682,728 2,490,773	\$	2,306,463 2,295,843	\$	334,668 324,403	\$	-	\$	334,668		3,057,650 3,440,409		\$	3,057,650 3,440,409	\$	3,044,777 3,082,968	11.08% 10.65%
Sep-12 Oct-12	16.23% 17.57%	0.00% 0.00% 0.00%	17.57%	\$:	2,181,247 2,096,007		\$ \$ 6	2,181,247 2,096,007 2,415,495	\$	2,301,985 2,311,863 2,333,681	\$ \$	373,612 406,194 425,430			\$ \$	373,612 406,194 425,430	\$ \$	3,312,891 2,721,063 2,691,569		\$ \$	3,312,891 2,721,063 2,691,569	\$	3,067,819 3,060,763 3,064,900	12.12% 13.24% 13.90%
Nov-12 Dec-12 Jan-13	18.23% 14.61% 13.49%	0.00%	14.61%	\$:	2,415,495 2,639,906 2,819,093		9 9 9	2,639,906 2,819,093	\$	2,344,239 2,348,539	\$	342,493 316,818	\$	Ĵ.	\$ \$	342,493 316,818	\$ \$	2,973,858 3,386,926		\$	2,973,858	\$	3,071,506 3,077,236	11.17%
Feb-13 Mar-13	12.61% 14.37%	0.00%	14.37%	\$	2,617,830 2,635,514		\$ \$ 6	2,617,830 2,635,514	\$	2,364,615 2,405,992 2,434,347	\$ \$	298,178 345,741 347,381	\$ \$ 5	-	\$ \$	298,178 345,741 347,381	\$ \$ \$	3,885,909 3,756,665 3,355,954		\$	3,756,665	\$	3,093,084 3,119,264 3,166,061	9.69% 11.18% 11.14%
Apr-13 May-13 Jun-13	14.27% 17.97% 17.09%	0.00% 0.00% 0.00%	17.97%	\$:	2,144,617 2,222,901 2,405,087		5 5	2,144,617 2,222,901 2,405,087	\$	2,439,216 2,445,933	9 \$ \$	438,327 418,010	\$		\$	438,327 418,010	\$ \$	2,802,057 2,719,460		\$		\$	3,183,242	13.84% 13.13%
Jul-13 Aug-13	15.77% 15.49%	0.00%	15.77% 15.49%	\$:	2,385,367 2,459,555		\$	2,385,367 2,459,555	\$	2,421,153 2,418,552	\$	381,816 374,634		(30,009) (18,324)	\$	351,807 356,310	\$	3,082,318 3,366,360		\$	3,082,318 3,366,360	\$	3,171,252	11.08% 11.21%
Sep-13 Oct-13 Nov-13	14.93% 16.69% 17.43%	0.00% 0.00% 0.00%	16.69%	\$:	2,170,116 2,026,771 2,379,872		\$ \$	2,170,116 2,026,771 2,379,872	\$	2,417,624 2,411,854 2,408,886	\$ \$	360,951 402,538 419,869	\$ \$	(18,324) (18,324) (18,324)	\$	342,627 384,214 401,545	\$	3,263,531 2,833,897 2,747,463		\$ \$	2,833,897	\$	3,167,139 3,176,542 3,181,200	10.80% 12.13% 12.64%
Dec-13 Jan-14	14.54% 10.92%	0.00%	14.54%	\$:	2,794,783 3,364,558		\$	2,794,783 3,364,558	\$	2,421,792 2,467,248	\$	352,129 269,423	\$	(18,324) (18,324) 11,685	_		_	3,193,519		\$	3,193,519 3,675,557	\$	3,199,505 3,223,558	10.49% 8.79%
Feb-14	5.44%	0.00%	5.44%	\$	2,986,330		\$	2,986,330	\$	2,497,956	\$	135,889	\$	-	\$	135,889	\$	4,282,470		\$	4,282,470	\$	3,256,604	4.22%

Notes:

Shelby Total Monthly Retail Revenues in Column (11) includes demand and energy charges, customer charges, and FAC revenues. Revenues reported in Columns (4), (6), (7), (11), (13), and (14) are net of Green Power Revenues.

Case No. 2014-00051

East Kentucky Power Cooperative, Inc. - Distribution Cooperatives Pass Through Mechanism Report for Shelby Energy Cooperative

For the Month Ending February 2014

Exhibit A Page 4 of 4 "6-Month Recovery"

	(1)	(2)	(3)	(4)	(5)	1	(6)		(7)		(8)		(9)		(10)		(11)	(12)		(13)	1	(14)	(15)
Surcharge Factor Expense Month	EKPC CESF %	EKPC BESF %	EKPC MESF %	EKPC Monthl Revenues Sales t Shelb	On-peak Revenue Adjustmen		EKPC Net Monthly Sales to Shelby	En	PC 12-months ded Average hthly Revenue om Sales to Shelby	11 - 22	Shelby Revenue equirement	(0)	nortization of ver)/Under Recovery	Net	Shelby t Revenue Revenue equirement	Mor	Shelby Total nthly Retail evenues	On-Peak Retail Revenue Adjustment		Shelby let Monthly Retail Revenues	A	2-months ended Avg. Retail Revenues, Net	Shelby Pass Through Mechanism Factor
10.200			Col. (1) - Col. (2)			C	ol. (4) - Col. (5)			Co	ol (3) x Col (7)			Col	(8) + Col (9)	1			Col.	. (11) - Col. (12)			Col (10) / Col (14)
Mar-12 Apr-12 May-12	12.92% 14.94% 16.90% 15.55%	0.00% 0.00% 0.00% 0.00%	12.92% 14.94% 16.90% 15.55%	\$ 1,804 \$ 2,164	,363 ,468	\$ \$ \$ \$	2,138,995 1,804,363 2,164,468 2,324,480	\$	2,308,109 2,301,307 2,315,157 2,310,439	\$ \$ \$ \$	298,208 343,815 391,262 359,273	\$		\$ \$ \$ \$	298,208 343,815 391,262 359,273	\$	3,442,496 2,794,395 2,595,891 2,813,948		\$ \$ \$ \$	3,442,496 2,794,395 2,595,891 2,813,948	99999	3,062,098 3,011,888 3,005,311 3,019,335	9.67% 11.23% 12.99% 11.95%
Jun-12 Jul-12 Aug-12	14.51% 14.13%	0.00%	14.51% 14.13%	\$ 2,682	,728	\$	2,682,728 2,490,773	\$	2,306,463 2,295,843	\$	334,668 324,403	\$	-	\$ \$	334,668 324,403	\$	3,057,650 3,440,409		\$	3,057,650 3,440,409		3,044,777 3,082,968	11.08% 10.65%
Sep-12 Oct-12	16.23% 17.57%	0.00%	16.23% 17.57%	\$ 2,18	,247	\$	2,181,247 2,096,007		2,301,985 2,311,863	\$	373,612 406,194	\$		\$	373,612 406,194	\$	3,312,891 2,721,063		\$	3,312,891 2,721,063	\$	3,067,819 3,060,763	12.12% 13.24%
Nov-12 Dec-12	18.23% 14.61%	0.00%	18.23% 14.61%	\$ 2,639	,906	\$	2,415,495 2,639,906	\$	2,333,681 2,344,239	\$	425,430 342,493	\$		\$	425,430 342,493 316.818	\$	2,691,569 2,973,858 3.386,926		\$	The state of the s	\$ \$ \$	3,064,900 3,071,506 3,077,236	13.90% 11.17% 10.31%
Jan-13 Feb-13 Mar-13	13.49% 12.61% 14.37%	0.00% 0.00% 0.00%	13.49% 12.61% 14.37%	\$ 2,61	,830	5 5	2,819,093 2,617,830 2.635,514	\$	2,348,539 2,364,615 2,405,992	\$	316,818 298,178 345,741	\$	- 1	\$	298,178 345,741	\$	3,885,909 3,756,665		\$	3,885,909 3,756,665	\$	4.500	9.69%
Apr-13 May-13	14.27% 17.97%	0.00%	14.27% 17.97%	\$ 2,14	,617	\$	2,144,617 2,222,901	\$	2,434,347 2,439,216	\$	347,381 438,327	\$	-	\$	347,381 438,327		3,355,954 2,802,057		\$		\$	3,183,242	11.149 13.849
Jun-13 Jul-13	17.09% 15.77%	0.00%	17.09% 15.77%	\$ 2,38	,367	\$	2,405,087 2,385,367	\$	2,445,933 2,421,153	\$	418,010 381,816	\$	(30,009)		418,010 351,807	\$	2,719,460 3,082,318		\$	3,082,318	\$	3,175,368 3,177,423	13.139 11.089
Aug-13 Sep-13		0.00%	15.49% 14.93%	\$ 2,17	,116	\$ \$	2,459,555 2,170,116	\$	2,418,552 2,417,624 2,411,854	\$	374,634 360,951 402,538	\$	(18,324) (18,324) (18,324)	\$	356,310 342,627	\$	3,366,360 3,263,531 2.833.897		5 5	3,366,360 3,263,531 2,833,897	\$	3,171,252 3,167,139 3,176,542	11.219 10.809 12.139
Oct-13 Nov-13	16.69% 17.43%	0.00%	16.69% 17.43%	\$ 2,37	,872	\$	2,026,771 2,379,872 2,794,783	\$	2,411,854 2,408,886 2,421,792	\$	419,869 352,129	\$	(6,938) (18,324)	\$	412,931	\$	2,747,463		\$	2,747,463	\$	3,181,200	13.00%
Dec-13 Jan-14 Feb-14	14.54% 10.92% 5.44%	0.00% 0.00% 0.00%	14.54% 10.92% 5.44%	\$ 3,36	,558	5 5 5	2,794,783 3,364,558 2,986,330	\$	2,421,792 2,467,248 2,497,956	\$	269,423 135,889	\$	11,685	9 55	281,108 135,889	\$	3,675,557 4,282,470		\$ \$	3,675,557 4,282,470	\$	3,223,558	8.79% 4.22%

Notes:

Shelby Total Monthly Retail Revenues in Column (11) includes demand and energy charges, customer charges, and FAC revenues. Revenues reported in Columns (4), (6), (7), (11), (13), and (14) are net of Green Power Revenues.

Case No. 2014-00051

	В	С	D	E	F	G	Н				
1				Shelby Energy	Cooperative						
2											
3	Revenue Month:	Septen	nber, 2014								
4											
5	Reading Date	Cycle	Billing Date	Usage Dates	Days Billed	Days of Us	sage for Applical	ble Month			
6		1-1-1				August	September	October			
7	09/22/14	3	09/25/14	08/22 - 09/22	31	9					
8	09/26/14	4	09/30/14	08/27 - 09/26	30						
9	09/30/14	5	10/02/14	08/31 - 09/30	30		30				
10	10/06/14	1	10/10/14	09/05 - 10/06	31						
11	10/12/14	2	10/15/14	09/11 - 10/12	31			12			
12											
13	Total Days of Usage	for Rev	enue Month	51		9	30	12			
14	Percentage of Total	Days				18%	59%	24%			
15											
16	Revenue Month:	Octobe	er, 2014	(As of 10/20/14, no							
17											
18	Scheduled Reading Date	Cycle	Scheduled Billing Date	Scheduled Usage Dates	Scheduled Days Billed	Days of U	Days of Usage for Applicab				
19						September	October	November			
20	10/22/14	3	10/24/14	09/22 - 10/22	30	8					
21	10/27/14	4	10/30/14	09/26 - 10/27	31						
22	10/31/14	5	11/04/14	09/30 - 10/31	31		31				
23	11/06/14	1	11/10/14	10/06 - 11/06	31						
24	11/11/14	2	11/14/14	10/12 - 11/11	30			11			
25											
26	Total Days of Usage	e for Rev	venue Month	50		8	31	11			
27	Percentage of Total	Days				16%	62%	22%			