



MAY 01 2018

PUBLIC SERVICE COMMISSION

May 1, 2018

Ms. Gwen R. Pinson Executive Director Kentucky Public Service Commission 211 Sower Blvd P O Box 615 Frankfort, KY 40602-0615

RE: Case No. 2018-00075

Dear Ms. Pinson,

Enclosed are an original and six (6) copies of Shelby Energy Cooperative Inc.'s response to the commission staff's first request for information to East Kentucky Power Cooperative and each of its sixteen-member cooperatives dated April 6, 2018. The information has been provided by email to all parties of record.

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

Sincerely,

Mary Federee

Mary Federle Billing & Customer Service Manager

Enclosures

www.shelbyenergy.com 620 Old Finchville Road• Shelbyville, Kentucky 40065-1714 (800) 292-6585 • (502) 633-4420 • Fax: (502) 633-2387

This institution is an equal opportunity provider and employer.

## COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION CASE NO. 2018-00075

## VERIFICATION

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

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 <u>1<sup>st</sup></u> day of <u>May</u>, 2018.

Shelling Jer Notary Public

(SEAL)

My Commission Expires:

12-13-21

ID: <u>59/656</u>

## 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-MONTH BILLING PERIOD ENDING DECEMBER 31, 2017 AND THE PASS THROUGH MECHANISM FOR ITS SIXTEEN MEMBER DISTRIBUTION COOPERATIVES

CASE NO. 2018-00075

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

DATED: April 6, 2018

# Shelby Energy Cooperative's Response to the Commission Staff's First Request for Information Case No. 2018-00075

### Question:

2. This question is addressed to EKPC and the Member Cooperatives. For each of the 16-Member Cooperatives, prepare a summary schedule showing the Member Cooperative's pass-through revenue requirement for the months corresponding with the six-month review. Include a calculation of any additional over-or-under-recovery amount the distribution cooperative believes needs to be recognized for the six-month review. Provide the schedule and all supporting calculations and documentation in Excel spreadsheet format with all cells and formulas intact and unprotected.

### Response

2. Please see EKPC's response to Request 2 of the Commission Staff's First Request for Information dated April 6, 2018.

Witness: Mary E. Federle

# Shelby Energy Cooperative's Response to the Commission Staff's First Request for Information Case No. 2018-00075

### Question:

6. This question is addressed to each of the 16 Member Cooperatives. For your particular Member Cooperative, provide the actual average residential customer's monthly usage for the 12 months ended November 30, 2017. Based on this usage amount, provide the dollar impact any over- or under-recovery will have on the average residential customer's monthly bill for the requested recovery period.

### Response

6. Using billing data ending November 30, 2017, the average monthly residential usage is 1,201 kWh resulting in an average residential monthly bill of \$137.73 when no over-or-under-recovery amount is included. When the over-or-under-recovery is included in the calculation for the same period of time, \$136.82 is the monthly bill. The result is a dollar impact of \$.91 credit to the customer. Please refer to Exhibit A, Pages 1-4, for supporting calculations and documentation.

# Shelby Energy Cooperative's Response to the Commission Staff's First Request for Information Case No. 2018-00075

## Question:

7. This question is addressed to EKPC and the Member Cooperatives. State whether you would be amenable to the use of electronic filing procedures for environmental surcharge review cases.

## Response

7. Shelby Energy Cooperative, Inc. is amenable to the use of electronic filing

procedures for environmental surcharge review cases.

		Shelby - Calc	ulation of (Over)/L	Inder Recovery	
í		EKPC Invoice Month recorded Member's Books	Billed to Retail Consumer & recorded on Member's Books	Monthly (Over) or Under	Cumulative (Over) or Under
Line No.	Month & Year		(3)		(Over) of Onder (5)
<u>Line No.</u>	Previous (Over)/Under-Recov	(2)		(4)	(5)
1a	From Case No. 2016-00335 (			· · · · · · · · · · · · · · · · · · ·	(\$7,574)
1b	From Case No. 2017-00071 (				\$32,454
10 1c	From Case No. 2017-00326 (				(\$41.754
1d	Total Previous (Over)/Under-				(\$16.874
2	Jul-17	\$449,891	\$480,957	(\$31,066)	(\$47,940)
3	Aug-17	\$430,582	\$475,889	(\$45,307)	(\$93,248
4	Sep-17	\$319,529	\$387,952	(\$68,423)	(\$161,670
<b>-</b> 5	Oct-17	\$363,271	\$342,722	\$20,549	(\$141,121
6	Nov-17		\$401,869	\$56,338	(\$141,121)
7	Dec-17	\$498,738	\$597,514	(\$98,776)	(\$183,560
Post	Jan-18	\$528,597	\$592,456	(\$63,859)	(\$183,500 (\$247,419
Review	Feb-18	\$294,534	\$421,080	(\$126,546)	(\$373,965
KEVIEW	Less Adjustment for Order ar				
8		Amount Per Case Order Remaining to be Amortized at	Amortization of Previous (Over)/Under		Amount Per Case Order Remaining to
			Recoveries During Review Period		be Amortized at end of Review Period
8a	Case No. 2016-00335 Recov		(\$7,574)		\$0
8b	Case No. 2017-00071 Recov	(, - , ,	\$32,454		\$0
8c	Case No. 2017-00326 Recov		\$0		\$41,754
8d		Tot	<u>al Order amounts rer</u>	maining - Over/(Under):	\$41,754
9	Cumulative six month (Over)	Under-Recovery [C	umulative net of rem	aining Case amortizations (	(\$141,806
10	Monthly recovery (per month	for six months			(\$23,634
	Reconciliation:				
11 12	Previous (Over)/Under-Reco Previous (Over)/Under-Reco				(\$16,874 \$41,754
13	Total Amortization during Re-	vlew Perlod			\$24,880
14	(Over)/Under-Recovery from	Column 5, Line 9			(\$141,806
15	Less: Total Monthly (Over)/L	Inder-Recovery for I	Review Period (Colur	mn 4, Lines 2 thru 7)	(\$166,686
16	Difference				\$24,880

Amortization Detail, Column 3, Line 8:

	Case No.	Case No.	Case No.
Month & Year	2016-00335	2017-00071	2017-00326
Jul-17	(\$1,893)	\$5,409	\$0
Aug-17	(\$1,893)	\$5,409	\$0
Sep-17	(\$1,893)	\$5,409	\$0
Oct-17	(\$1,895)	\$5,409	\$0
Nov-17	\$0	\$5,409	\$0
Dec-17	\$0	\$5,409	\$0
Totals	(\$7,574)	\$32,454	\$0

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

### For the Month Ending December 2017

1	(1)	(2)	(3)	(4)	(5)	1	(6)		(7)		(8)		(9)		(10)	(11)	(12)		(13)		(14)	(15)
				EKPC	On-peak	E	KPC Net	EKF	C 12-months		Shelby	Am	ortization		Shelby	Shelby	On-Peak	5	Shelby	1	2-months	Shelby
				Monthly	Revenue	1	Monthly	Ene	led Average	F	Revenue		of	Ne	et Revenue	Total	Retail	Net	t Monthly		ended	Pass
Surcharge				Revenues from	Adjustment		Sales	Моп	thly Revenue	Re	quirement	(0	/er)/Under	F	Revenue	Monthly Retail	Revenue	1 8	Retail	A	vg. Retall	Through
Factor				Sales to			to	fro	m Sales to			R	ecovery	Re	quirement	Revenues	Adjustment	Re	evenues	F	Revenues,	Mechanism
Expense	EKPC	EKPC	EKPC	Shelby			Shelby		Shelby						•						Net	Factor
Month	CESF %	BESF %	MESF %	-					-								ļ					
			Col. (1) - Col. (2)			Col.	(4) - Col. (5)			Co	(3) × Col (7)			Col	1 (8) + Col (9)			Col. (1	11) - Col. (12)			Col (10) / Col (14)
															••			·				
Jan-16	16.00%	0.00%	16.00%	\$ 2,920,781		\$	2,920,781	\$	2,384,174	\$	381,468	\$	5,832	\$	387,300	\$ 3,157,597		\$	3,157,597	\$	3,195,326	11.94%
Feb-16	10.92%	0.00%	10.92%	\$ 2,642,798		\$	2,642,798	\$	2,351,956	\$	256,834	\$	-	\$	256,834	\$ 3,934,308		\$	3,934,308	\$	3,194,600	8.04%
Mar-16	14.30%	0.00%	14.30%	\$ 2,185,129		\$	2,185,129	\$	2,324,837	\$	332,452	\$	3,288	\$	335,740	\$ 3,738,304		\$	3,738,304	\$	3,148,951	10.51%
Арг-16	17.59%	0.00%	17.59%	\$ 1,964,057		\$	1,964,057	\$	2,332,936	\$	410,363	\$	3,288	\$	413,651	\$ 2,992,582		\$	2,992,582	\$	3,129,573	13.14%
May-16	18.99%	0.00%	18.99%	\$ 2,079,379		\$	2,079,379	\$	2,343,113	\$	444,957	\$	3,288	\$	448,245	\$ 2,838,283		\$	2,838,283	\$	3,141,079	14.32%
Jun-16	19.60%	0.00%	19.60%	\$ 2,397,910		\$	2,397,910	\$	2,334,677	\$	457,597	\$	3,288	\$	460,885	\$ 2,687,294		\$	2,687,294	\$	3,138,496	14.67%
Jul-16	16.50%	0.00%	16.50%	\$ 2,626,236		\$	2,626,236	\$	2,335,407	\$	385,342	\$	3,288	\$	388,630	\$ 3,149,928		\$	3,149,928	\$	3,145,094	12.38%
Aug-16	14.29%	0.00%	14.29%	\$ 2,742,551		\$	2,742,551	\$	2,357,962	\$	336,953	\$	12,801	\$	349,754	\$ 3,352,320		\$	3,352,320	\$	3,162,434	11.12%
Sep-16	14.76%	0.00%	14.76%	\$ 2,416,818		\$	2,416,818	\$	2,370,457	\$	349,879	\$	9,513	\$	359,392	\$ 3,540,595		\$	3,540,595	\$	3,171,739	11.36%
Oct-16	17.17%	0.00%	17.17%	\$ 2,008,875		\$	2,008,875	\$	2,374,690	\$	407,734	\$	9,513	\$	417,247	\$ 3,274,885		\$	3,274,885	\$	3,195,018	13.16%
Nov-16	19.95%	0.00%	19.95%	\$ 2,130,080		\$	2,130,080	\$	2,371,923	\$	473,199	\$	9,513	\$	482,712	\$ 2,774,356		\$	2,774,356	\$	3,199,392	15.11%
Dec-16	16.92%	0.00%	16.92%	\$ 2,775,283		\$	2,775,283	\$	2,407,491	\$	407,348	\$	9,513	\$	416,861	\$ 3,066,518		\$	3,066,518	\$	3,208,914	13.03%
Jan-17	11.21%	0.00%	11.21%	\$ 2,795,250		\$	2,795,250	\$	2,397,031	\$	268,707	\$	9,511	\$	278,218	\$ 3,659,302		\$	3,659,302	\$	3,250,723	8.67%
Feb-17	12.26%	0.00%	12.26%	\$ 2,312,345		\$	2,312,345	\$	2,369,493	\$	290 500	\$		\$	290,500	\$ 3,588,268		\$	3,588,268	\$	3,221,886	8.94%
Mar-17	15.73%	0.00%	15.73%	\$ 2,271,913		\$	2,271,913	\$	2,376,725	\$	373,859	\$	-	\$	373,859	\$ 3,275,906		\$	3,275,906	\$	3,183,353	11.60%
Apr-17	15.40%	0.00%	15.40%	\$ 1,950,132		\$	1,950,132	\$	2,375,564	\$	365,837	\$	(1,893)	\$	363,944	\$ 3,226,503		\$	3,226,503	\$	3,202,847	11.43%
May-17	19.86%	0.00%	19.86%	\$ 2,121,755		\$	2,121,755	\$	2,379,096	\$	472,488	\$	(1,893)	\$	470,595	\$ 2,693,816		\$	2,693,816	\$	3,190,808	14.69%
Jun-17	18.13%	0.00%	18.13%	\$ 2,329,055		\$	2,329,055	\$	2,373,358	\$	430,290	\$	3,516	\$	433,806	\$ 2,727,758		\$	2,727,758	\$	3,194,180	13.60%
Ju⊢17	17.75%	0.00%	17.75%	\$ 2,481,476		\$	2,481,476	\$	2,361,294	\$	419,130	\$	3,516	\$	422,646	\$ 3,125,397		\$	3,125,397	\$	3,192,135	13.23%
Aug-17	15.89%	0.00%	15.89%	\$ 2,425,806		\$	2,425,806	\$	2,334,899	\$	371,015	\$	3,516	\$	374,531	\$ 3,272,533		\$	3,272,533	\$	3,185,487	11.73%
Sep-17	17.53%	0.00%	17.53%	\$ 2,013,124		\$	2,013,124	\$	2,301,258	\$	403,410	\$	3,514	\$	406,924	\$ 3,496,189		\$	3,496,189	\$	3,181,786	12.77%
Oct-17	20.51%	0.00%	20.51%	\$ 2,073,511		\$	2,073,511	\$	2,306,644	\$	473,093	\$	5,409	\$	478,502	\$ 2,930,213		\$	2,930,213	\$	3,153,063	15.04%
Nov-17	17.87%	0.00%	17.87%	\$ 2,234,513		\$	2,234,513	\$	2,315,347	\$	413,752	\$	5,409	\$	419,161	\$ 2,919,171		\$	2,919,171	\$	3,165,131	13.29%
Dec-17	16.39%	0.00%	16.39%	\$ 2,790,924		\$	2,790,924	\$	2,316,650	\$	379,699	\$	(6,959)	\$	372,740	\$ 3,166,162		\$	3 166 162	\$	3,173,435	11.78%
						•		-	.,,	-		-	(-,+)	-				Ŧ	, ,	-		•

#### Notes:

Sheiby 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.

### Column 4 - EKPC Revenues

			Subtot	Buy-Thru Charge	
	Tot Rev	DLC Rev	Revenues	(*)	Net Revenues
Total Revenues	3,294,011	(4,349)	3,289,662	-	3,289,662
Total Surcharge	(499,397)	<u>659</u>	(498,738)		(498,738)
Revenue for Column 4	2,794,614	(3,690)	2,790,924	-	2,790,924

#### Note (\*):

For Cedar Lake Lodge, exclude Buy-thru charge, per Shelby/Cedar Lake Lodge contract dated ??/??/??

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

### For the Month Ending December 2017

Г	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
				EKPC	On-peak	EKPC Net	EKPC 12-months		Amortization	Shelby	Shelby	On-Peak	Shelby	12-months	Shelby
				Monthly	Revenue	Monthly	Ended Average	Revenue	of	Net Revenue	Total	Retail	Net Monthly	ended	Pass
Surcharge		ĺ		Revenues from	Adjustment	Sales	Monthly Revenue	Requirement	(Over)/Under	Revenue	Monthly Retail	Revenue	Retail	Avg. Retail	Through
Factor				Sales to		to	from Sales to		Recovery	Requirement	Revenues	Adjustment	Revenues	Revenues,	Mechanism
Expense	EKPC	EKPC	EKPC	Shelby		Shelby	Shelby	1				-		Net	Factor
Month	CESF %	BESF %	MESF %	-		-	_								
			Col. (1) - Col. (2)			Col. (4) - Col. (5)		Col (3) × Col (7)		Col (8) + Col (9)			Col. (11) - Col. (12)		Col (10) / Col (14)
Jan-16	16.00%	0.00%	16.00%			\$ 2,920,781				•	\$ 3,157,597		\$ 3,157,597		11.94%
Feb-16	10.92%	0.00%	10.92%			+ -,	• • •	· ·	•	\$ 256,834	\$ 3,934,308		\$ 3,934,308	\$ 3,194,600	8.04%
Mar-16	14.30%	0.00%	14.30%			\$ 2,185,129				\$ 335,740	\$ 3,738,304		\$ 3,738,304	\$ 3,148,951	10.51%
Apr-16	17.59%	0.00%	17.59%			\$ 1,964,057			• • • • •	\$ 413,651	\$ 2,992,582		\$ 2,992,582	\$ 3,129,573	13.14%
May-16	18.99%	0.00%	18.99%	. , ,		\$ 2,079,379				\$ 448,245	\$ 2,838,283		\$ 2,838,283	\$ 3,141,079	14.32%
Jun-16	19.60%	0.00%	19.60%			\$ 2,397,910				\$ 460,885	\$ 2,687,294		\$ 2,687,294	\$ 3,138,496	14.67%
Jul-16	16.50%	0.00%	16.50%			\$ 2,626,236			· · ·	\$ 388,630	\$ 3,149,928		\$ 3,149,928	\$ 3,145,094	12.38%
Aug-16	14.29%	0.00%	14.29%			\$ 2,742,551				\$ 349,754	\$ 3,352,320		\$ 3,352,320	\$ 3,162,434	11.12%
Sep-16	14.76%	0.00%	14.76%			\$ 2,416,818				\$ 359,392	\$ 3,540,595		\$ 3,540,595	\$ 3,171,739	11.36%
Oct-16	17.17%	0.00%	17.17%			\$ 2,008,875		•		\$ 417,247	\$ 3,274,885		\$ 3,274,885	\$ 3,195,018	13.16%
Nov-16	19.95%	0.00%	19.95%			\$ 2,130,080	\$ 2,371,923	\$ 473,199	\$ 9,513	\$ 482,712	\$ 2,774,356		\$ 2,774,356	\$ 3,199,392	15.11%
Dec-16	16.92%	0.00%	16.92%			\$ 2,775,283	, .,			\$ 416,861	\$ 3,066,518		\$ 3,066,518	\$ 3,208,914	13.03%
Jan-17	11.21%	0.00%	11.21%			\$ 2,795,250				\$ 278,218	\$ 3,659,302		\$ 3,659,302	\$ 3,250,723	8.67%
Feb-17	12.26%	0.00%	12.26%			\$ 2,312,345				\$ 290,500	\$ 3,588,268		\$ 3,588,268	\$ 3,221,886	8.94%
Mar-17	15.73%	0.00%	15.73%			\$ 2,271,913			•	\$ 373,859	\$ 3,275,906		\$ 3,275,906	\$ 3,183,353	11.60%
Apr-17	15.40%	0.00%	15.40%			\$ 1,950,132		\$ 365,837	\$ (1,893)		\$ 3,226,503		\$ 3,226,503	\$ 3,202,847	11.43%
May-17	19.86%	0.00%	19.86%			\$ 2,121,755				· ·	\$ 2,693,816		\$ 2,693,816	\$ 3,190,808	14.69%
յսո-17	18.13%	0.00%	18.13%			\$ 2,329,055			•	\$ 433,806	\$ 2,727,758		\$ 2,727,758	\$ 3,194,180	13.60%
Jul-17	17.75%	0.00%	17.75%			\$ 2,481,476	• -••••			\$ 422,646	\$ 3,125,397		\$ 3,125,397	\$ 3,192,135	13.23%
Aug-17	15.89%	0.00%	15.89%			\$ 2,425,806				\$ 374,531	\$ 3,272,533		\$ 3,272,533	\$ 3,185,487	11.73%
Sep-17	17.53%	0.00%	17.53%			\$ 2,013,124	,				\$ 3,496,189		\$ 3,496,189	\$ 3,181,786	12.77%
Oct-17	20.51%	0.00%	20.51%			\$ 2,073,511				\$ 478,502	\$ 2,930,213		\$ 2,930,213		15.04%
Nov-17	17.87%	0.00%	17.87%			\$ 2,234,513		\$ 413,752	\$ (18,225)	\$ 395,527	\$ 2,919,171		\$ 2,919,171	\$ 3,165,131	12.54%
Dec-17	16.39%	0.00%	16,39%	\$ 2,790,924		\$ 2,790,924	\$ 2,316,650	\$ 379,699	\$ (6,959)	\$ 372,740	\$ 3,166,162		\$ 3,166,162	\$ 3,173,435	11.78%

#### 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.

#### Column 4 - EKPC Revenues

			Subtot	Buy-Thru Charge	
	Tot Rev	DLC Rev	Revenues	(*)	Net Revenues
Total Revenues	3,294,011	(4,349)	3,289,662	-	3,289,662
Total Surcharge	(499,397)	<u>659</u>	(498,738)		(498,738)
Revenue for Column 4	2,794,614	(3,690)	2,790,924	-	2,790,924

### Note (\*):

For Cedar Lake Lodge, exclude Buy-thru charge, per Shelby/Cedar Lake Lodge contract dated ??/?????

.

Average Monthly Residential kWh:		1,201
Residential Rate:		- ,
Facility Charge	\$15.00	\$15.00
kWh Charge	\$0.08841	106.18
Fuel Adjustment Factor	(\$0.00262)	(3.15)
Surcharge (November 2017)	13.29%	15.69
** Refer to Exhibit A - Page 2 of	F4	
County Tax	3.00%	<u>\$4.01</u>
		\$137.73
	ill with Recovery	1,201
Average Monthly Residential kWh: Residential Rate:		
Average Monthly Residential kWh: Residential Rate: Facility Charge	\$15.00	\$15.00
Average Monthly Residential kWh: Residential Rate: Facility Charge kWh Charge	\$15.00 \$0.08841	\$15.00 106.18
Average Monthly Residential kWh: Residential Rate: Facility Charge kWh Charge Fuel Adjustment Factor	\$15.00 \$0.08841 (\$0.00262)	\$15.00 106.18 (3.15)
Average Monthly Residential kWh: Residential Rate: Facility Charge kWh Charge Fuel Adjustment Factor Surcharge (November 2017)	\$15.00 \$0.08841 (\$0.00262) 12.54%	1,201 \$15.00 106.18 (3.15) 14.80
Average Monthly Residential kWh: Residential Rate: Facility Charge kWh Charge Fuel Adjustment Factor	\$15.00 \$0.08841 (\$0.00262) 12.54%	\$15.00 106.18 (3.15)
kWh Charge Fuel Adjustment Factor Surcharge (November 2017) ** <i>Refer to Exhibit A - Page 3 oj</i>	\$15.00 \$0.08841 (\$0.00262) 12.54%	\$15.00 106.18 (3.15) 14.80

Case No. 2018-00075