

ALBERT A. BURCHETT

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MAR 21 2007

**PUBLIC SERVICE
COMMISSION**

March 21, 2007

HAND DELIVERED

Ms. Elizabeth O'Donnell
Executive Director
Public Service Commission
211 Sower Boulevard
Frankfort, KY 40602

Re: PSC Case No. 2006-00473

Dear Ms. O'Donnell:

Please find enclosed for filing with the Public Service Commission in the above-referenced case an original and five (5) copies of the Responses of Big Sandy RECC, to the Commission Staff's First Data Requests dated March 12, 2007.

Very truly yours,



Albert A. Burchett
Counsel for Big Sandy RECC

Enclosures

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF BIG SANDY RURAL ELECTRIC)	
COOPERATIVE CORPORATION TO)	CASE NO.
PASS-THROUGH AN INCREASE OF ITS)	2006-00473
WHOLESALE POWER SUPPLIER PURSUANT)	
TO KRS 278.455(2))	

**RESPONSES TO COMMISSION STAFF'S FIRST DATA REQUEST
TO BIG SANDY RURAL ELECTRIC COOPERATIVE CORPORATION
DATED MARCH 12, 2007**

BIG SANDY RURAL ELECTRIC COOPERATIVE CORPORATION

PSC CASE NO. 2006-00473

COMMISSION STAFF'S FIRST DATA REQUEST DATED 3/12/07

Big Sandy Rural Electric Cooperative Corporation ("Big Sandy") hereby submits responses to the Commission Staff's First Data Request dated March 12, 2007. Each response with its associated supportive reference materials is individually tabbed.

BIG SANDY RURAL ELECTRIC COOPERATIVE CORPORATION

PSC CASE NO. 2006-00473

FIRST DATA REQUEST RESPONSE

COMMISSION STAFF'S FIRST DATA REQUEST DATED 3/12/07

REQUEST 1

RESPONSIBLE PERSON: William A. Bosta

COMPANY: Big Sandy Rural Electric Cooperative Corporation

Request 1. Refer to the Application, Exhibits II and III.

Request 1a. Provide all workpapers, calculations, assumptions, and other documentation used to determine the proposed rates and the billing analysis.

Response 1a. Attached is information from EKPC's Exhibit I, Pages 3-5, which shows the present and proposed rates and revenues by wholesale customer class for service to Big Sandy.

As indicated in Mr. Bosta's testimony, the demand charges for retail industrial rates mirror EKPC's proposed rates for Schedules B and C, as applicable.

The increase applicable to all other classes was based on taking the total increase to the member system, subtracting the retail industrial class increase and then dividing that amount by the kWh for all other classes. This resulted in a per unit (cents/kWh) energy cost increase that was applied to all other classes. The only exception is Electric Thermal Storage (ETS) Rate Schedule A-1, which was designed based on a charge of 60 percent of the energy rate of the related rate class.

See the response to Request 1b for the calculations to determine the proposed rates.

Request 1b. Provide in electronic format the Excel spreadsheets used to determine the proposed rates and billing analysis, with all formulas intact.

Response 1b. Based on discussion with the Commission Staff on March 19, 2007, attached are two (2) copies of the requested information on CD-ROM.

Billing Units - Base Rate Revenue

#	Firm	Demand	Energy	Rate E	e *	Revenue									
						COOP	R_GROUP	KWH1	KWH2	BILL-KW	BILL-KWH	Eng-ON	Eng-OFF	Present Total Revenue	Proposed Total Revenue
1	E	120	1,103,543	0.030888	1.90	470,392,552	440,516,577	666,699	910,906,129	1,053,179	13,611,061	39,527,193	3,443,237	3,443,237	1,627,532
2	E	23	210,797,749	0.030888	6.82	222,403,420	209,160,496	984,462	430,563,916	6,654,525	6,431,743	18,548,828	1,550,065	1,550,065	3,389,843
3	E	4	452,668,417	0.030888	6.82	452,668,417	443,652,868	2,085,271	896,519,375	17,419,054	13,707,969	42,012,159	1,079,046	1,079,046	1,715,000
4	E	3	148,154,687	0.030888	6.82	148,154,687	139,307,277	647,941	285,461,964	5,621,694	4,304,316	13,308,262	1,715,000	1,715,000	3,649,934
5	E	3	230,603,822	0.030888	6.82	230,603,822	223,089,895	852,587	453,703,717	15,711,488	14,374,529	40,704,360	3,649,934	3,649,934	1,668,412
6	E	7	37,371,108	0.030888	6.82	37,371,108	36,522,236	848,872	161,814,814	3,819,610	3,819,610	10,855,436	857,655	857,655	2,170,608
7	E	9	259,221,018	0.030888	6.82	259,221,018	218,464,946	1,266,975	574,245,012	11,833,845	8,590,078	24,428,401	1,671,856	1,671,856	3,972,155
8	E	10	52,824,915	0.030888	6.82	52,824,915	49,824,915	2,999,999	100,000,000	2,999,999	2,999,999	8,972,155	1,671,856	1,671,856	1,837,116
9	E	11	54,118,613	0.030888	6.82	54,118,613	51,118,613	2,999,999	100,000,000	2,999,999	2,999,999	8,972,155	1,671,856	1,671,856	1,837,116
10	E	13	138,656,889	0.030888	6.82	138,656,889	135,572,040	3,084,849	274,969,359	16,101,529	14,870,070	49,482,581	3,972,155	3,972,155	1,837,116
11	E	13	263,407,107	0.030888	6.82	263,407,107	258,256,408	5,150,699	521,665,517	31,711,113	29,737,668	12,731,760	3,972,155	3,972,155	1,837,116
12	E	14	158,980,874	0.030888	6.82	158,980,874	152,562,560	6,418,314	267,213,424	15,719,211	14,958,918	44,446,242	3,972,155	3,972,155	1,837,116
13	E	15	370,960,990	0.030888	6.82	370,960,990	363,520,560	7,440,430	739,979,970	14,326,868	13,072,727	34,446,242	3,972,155	3,972,155	1,837,116
14	E	16	124,373,132	0.030888	6.82	124,373,132	120,960,990	3,412,142	253,357,895	4,861,268	3,842,861	11,613,118	3,972,155	3,972,155	1,837,116
15	E	17	508,696,894	0.030888	6.82	508,696,894	477,390,584	31,306,310	984,087,878	19,489,589	14,750,437	46,320,652	3,972,155	3,972,155	1,837,116
						4,682,541,283	4,487,956,391	194,626	138,059,607	184,125	428,027,459	392,164,092	34,663,347	34,663,347	

Rate E - Intert

#	Firm	Demand	Energy	Rate E	Rate E - Intert	COOP	R_GROUP	KWH1	KWH2	BILL-KW	BILL-KWH	Eng-ON	Eng-OFF	Present Total Revenue	Proposed Total Revenue	Revenue Adjustment
1	E	120	1,103,543	0.030888	1.90	470,392,552	440,516,577	666,699	910,906,129	1,053,179	13,611,061	39,527,193	3,443,237	3,443,237	1,627,532	
2	E	23	210,797,749	0.030888	6.82	222,403,420	209,160,496	984,462	430,563,916	6,654,525	6,431,743	18,548,828	1,550,065	1,550,065	3,389,843	
3	E	4	452,668,417	0.030888	6.82	452,668,417	443,652,868	2,085,271	896,519,375	17,419,054	13,707,969	42,012,159	1,079,046	1,079,046	1,715,000	
4	E	3	148,154,687	0.030888	6.82	148,154,687	139,307,277	647,941	285,461,964	5,621,694	4,304,316	13,308,262	1,715,000	1,715,000	3,649,934	
5	E	3	230,603,822	0.030888	6.82	230,603,822	223,089,895	852,587	453,703,717	15,711,488	14,374,529	40,704,360	3,649,934	3,649,934	1,668,412	
6	E	7	37,371,108	0.030888	6.82	37,371,108	36,522,236	848,872	161,814,814	3,819,610	3,819,610	10,855,436	857,655	857,655	2,170,608	
7	E	9	259,221,018	0.030888	6.82	259,221,018	218,464,946	1,266,975	574,245,012	11,833,845	8,590,078	24,428,401	1,671,856	1,671,856	3,972,155	
8	E	10	52,824,915	0.030888	6.82	52,824,915	49,824,915	2,999,999	100,000,000	2,999,999	2,999,999	8,972,155	1,671,856	1,671,856	1,837,116	
9	E	11	54,118,613	0.030888	6.82	54,118,613	51,118,613	2,999,999	100,000,000	2,999,999	2,999,999	8,972,155	1,671,856	1,671,856	1,837,116	
10	E	13	138,656,889	0.030888	6.82	138,656,889	135,572,040	3,084,849	274,969,359	16,101,529	14,870,070	49,482,581	3,972,155	3,972,155	1,837,116	
11	E	13	263,407,107	0.030888	6.82	263,407,107	258,256,408	5,150,699	521,665,517	31,711,113	29,737,668	12,731,760	3,972,155	3,972,155	1,837,116	
12	E	14	158,980,874	0.030888	6.82	158,980,874	152,562,560	6,418,314	267,213,424	15,719,211	14,958,918	44,446,242	3,972,155	3,972,155	1,837,116	
13	E	15	370,960,990	0.030888	6.82	370,960,990	363,520,560	7,440,430	739,979,970	14,326,868	13,072,727	34,446,242	3,972,155	3,972,155	1,837,116	
14	E	16	124,373,132	0.030888	6.82	124,373,132	120,960,990	3,412,142	253,357,895	4,861,268	3,842,861	11,613,118	3,972,155	3,972,155	1,837,116	
15	E	17	508,696,894	0.030888	6.82	508,696,894	477,390,584	31,306,310	984,087,878	19,489,589	14,750,437	46,320,652	3,972,155	3,972,155	1,837,116	
						4,682,541,283	4,487,956,391	194,626	138,059,607	184,125	428,027,459	392,164,092	34,663,347	34,663,347		

Rate B

#	Firm	Demand	Energy	Rate B	Rate B - Intert	COOP	R_GROUP	KWH1	KWH2	BILL-KW	BILL-KWH	Eng-ON	Eng-OFF	Present Total Revenue	Proposed Total Revenue	Revenue Adjustment
1	E	120	1,103,543	0.030888	1.90	470,392,552	440,516,577	666,699	910,906,129	1,053,179	13,611,061	39,527,193	3,443,237	3,443,237	1,627,532	
2	E	23	210,797,749	0.030888	6.82	222,403,420	209,160,496	984,462	430,563,916	6,654,525	6,431,743	18,548,828	1,550,065	1,550,065	3,389,843	
3	E	4	452,668,417	0.030888	6.82	452,668,417	443,652,868	2,085,271	896,519,375	17,419,054	13,707,969	42,012,159	1,079,046	1,079,046	1,715,000	
4	E	3	148,154,687	0.030888	6.82	148,154,687	139,307,277	647,941	285,461,964	5,621,694	4,304,316	13,308,262	1,715,000	1,715,000	3,649,934	
5	E	3	230,603,822	0.030888	6.82	230,603,822	223,089,895	852,587	453,703,717	15,711,488	14,374,529	40,704,360	3,649,934	3,649,934	1,668,412	
6	E	7	37,371,108	0.030888	6.82	37,371,108	36,522,236	848,872	161,814,814	3,819,610	3,819,610	10,855,436	857,655	857,655	2,170,608	
7	E	9	259,221,018	0.030888	6.82	259,221,018	218,464,946	1,266,975	574,245,012	11,833,845	8,590,078	24,428,401	1,671,856	1,671,856	3,972,155	
8	E	10	52,824,915	0.030888	6.82	52,824,915	49,824,915	2,999,999	100,000,000	2,999,999	2,999,999	8,972,155	1,671,856	1,671,856	1,837,116	
9	E	11	54,118,613	0.030888	6.82	54,118,613	51,118,613	2,999,999	100,000,000	2,999,999	2,999,999	8,972,155	1,671,856	1,671,856	1,837,116	
10	E	13	138,656,889	0.030888	6.82	138,656,889	135,572,040	3,084,849	274,969,359	16,101,529	14,870,070	49,482,581	3,972,155	3,972,155	1,837,116	
11	E	13	263,407,107	0.030888	6.82	263,407,107	258,256,408	5,150,699	521,665,517	31,711,113	29,737,668	12,731,760	3,972,155	3,972,155	1,837,116	
12	E	14	158,980,874	0.030888	6.82	158,980,874	152,562,560	6,418,314	267,213,424	15,719,211	14,958,918	44,446,242	3,972,155	3,972,155	1,837,116	
13	E	15	370,960,990	0.030888	6.82	370,960,990	363,520,560	7,440,430	739,979,970	14,326,868	13,072,727	34,446,242	3,972,155	3,972,155	1,837,116	
14	E	16	124,373,132	0.030888	6.82	124,373,132	120,960,990	3,412,142	253,357,895	4,861,268	3,842,861	11,613,118	3,972,155	3,972,155	1,837,116	
15	E	17	508,696,894	0.030888	6.82	508,696,894	477,390,584	31,306,310	984,087,878	19,489,589	14,750,437	46,320,652	3,972,155	3,972,155	1,837,116	
						4,682,541,283	4,487,956,391	194,626	138,059,607	184,125	428,027,459	392,164,092	34,663,347	34,663,347		

Rate B - Intert

#	Firm	Demand	Energy	Rate B	Rate B - Intert	COOP	R_GROUP	KWH1	KWH2	BILL-KW	BILL-KWH	Eng-ON	Eng-OFF	Present Total Revenue	Proposed Total Revenue	Revenue Adjustment
1	E	120	1,103,543	0.030888	1.90	470,392,552	440,516,577	666,699	910,906,129	1,053,179	13,611,061	39,527,193	3,443,237	3,443,237	1,627,532	
2	E	23	210,797,749	0.030888	6.82	222,403,420	209,160,496	984,462	430,563,916	6,654,525	6,431,743	18,548,828	1,550,065	1,550,065	3,389,843	
3	E	4	452,668,417	0.030888	6.82	452,668,417	443,652,868	2,085,271	896,519,375	17,419,054	13,707,969	42				

Rate C

#	COOP	R_GROUP	BILL-KWH	BILL-KWH	Demand	Energy	Total	Present	Revenue	Adjustment
1	23	C	31,800	20,887,840	231,822	573,493	805,315	744,895	60,420	
2	27	C	36,328	18,611,349	264,831	535,880	800,711	731,688	69,023	
3	3	C	85,224	42,595,301	621,283	1,163,643	1,784,526	1,683,001	101,525	
4	34	C	107,818	53,360,482	765,993	1,731,325	2,517,318	2,312,464	204,854	
5	49	C	6,000	2,689,215	43,740	73,463	117,223	105,823	11,400	
6	51	C	0	0	0	0	0	0	0	
7	52	C	321,398	181,235,637	2,342,877	4,682,261	7,295,238	6,884,585	610,652	
8	54	C	165,155	83,822,026	1,203,980	2,280,437	3,494,417	3,180,622	313,795	
9	61	C	28,973	16,407,017	211,213	448,322	659,535	604,486	55,049	
10	64	C	782,694	430,698,767	5,705,839	11,769,844	17,474,893	15,997,564	1,487,119	
Total C										

Inland Container

#	COOP	NAME	R/C	BILL-KW	BILL-KWH	Demand	Energy	Total	Present	Revenue	Adjustment
1	52	Inland Contn	CM	325,738	220,486,205	2,254,107	5,633,627	7,889,734	7,391,355	498,379	

AGC

#	COOP	NAME	R/C	BILL-KW	BILL-KWH	Demand	Energy	Total	Present	Revenue	Adjustment
1	51	AGC Autorm	BD	64,252	44,113,666	444,624	1,977,545	1,972,169	1,473,664	98,306	
2	51	AGC Autorm	CM	181,780	102,273,245	1,119,910	2,614,104	3,733,414	3,465,937	287,478	
Total AGC											

Gallatin

#	COOP	R_GROUP	KWH-1	BILL-KW	BILL-KWH	Demand	Energy-ON	Energy-OFF	Total	Present	Revenue	Adjustment
1	37	G	319,667,504	1,942,343	1,034,355,652	7,388,687	8,838,806	17,617,063	33,842,557	30,870,772	2,971,785	
Total Gallatin												

TGP

#	COOP	R_GROUP	KWH-1	BILL-KW	BILL-KWH	Demand	Energy-ON	Energy-OFF	Total	Present	Revenue	Adjustment
1	23	H	307,3734	160,000	67,154,02	281,531	3,779,534	4,061,065	4,061,065	0		
2	52	H	408,31642	1,440,000	560,2582	5,072,582	5,072,582	5,602,582	5,602,582	0		
Total TGP												

Inland Steam

#	COOP	R_GROUP	KWH-1	BILL-KW	BILL-KWH	Demand	Energy-ON	Energy-OFF	Total	Present	Revenue	Adjustment
1	23	H	307,3734	160,000	67,154,02	281,531	3,779,534	4,061,065	4,061,065	0		
2	52	H	408,31642	1,440,000	560,2582	5,072,582	5,072,582	5,602,582	5,602,582	0		
Total Inland Steam												

equity 5.00073823
Demand 0.02450058
Energy

Demand F
Efficiency 0.557689
Heat Rate \$816.9
Mbtu Demand 38014 \$ /mbtu
Mbtu Energy 36594 \$ /mbtu
converted
BILL-KW 508,649
Mbtu-Demand 4394.11
BILL-KWH 277,000,529
Mbtu-Energy 2392691.7

Load Center - Normalized

Meter #	LC =	2373	2853	4605	Revenue	Total LC Revenue	Present Total Revenue	Revenue Adjustment
21	125	48	228	24	896,692	896,692	886,692	0
23	944	12	144	24	439,596	439,596	439,596	0
27	12	108	447,336	24	447,336	447,336	447,336	0
3	36	240	991,668	48	991,668	991,668	991,668	0
30	96	12	413,076	24	413,076	413,076	413,076	0
34	12	120	426,336	12	426,336	426,336	426,336	0
37	180	86	965,990	86	965,990	965,990	965,990	0
49	72	144	613,660	12	613,660	613,660	613,660	0
51	144	144	899,112	48	899,112	899,112	899,112	0
52	24	36	474,120	36	474,120	474,120	474,120	0
54	36	312	1,197,228	48	1,197,228	1,197,228	1,197,228	0
56	84	36	325,248	12	325,248	325,248	325,248	0
57	36	132	517,548	12	517,548	517,548	517,548	0
58	12	84	269,296	12	269,296	269,296	269,296	0
59	84	72	410,676	84	410,676	410,676	410,676	0
61	12	48	1,162,992	84	1,162,992	1,162,992	1,162,992	0
64	36	540	2364	468	10,219,764	10,219,764	10,219,764	0
					Metering Met Point only	426,000	426,000	0
					Metering 5 Metering Point only	7,500	7,500	0
					140,461,551	186,636,874	216,081,567	554,033,251
					510,669,030	43,364,220		

Dem. Rev. 2,543,580
Energy Revenue 6,788,794
Total Revenue 9,332,364

Grand Total Revenue by Member System

COOP	E	B	C	Inland Containers	Inland Steam	Galatin	IGP	AGC	Load Center	Metering	Metering Only	Present Total	Rate Adj	
21	41,970,429	3,348,394	0	0	0	0	0	0	896,692	39,000	0	46,242,515	3,716,181	
23	20,177,350	232,807	805,315	0	0	0	0	0	439,596	19,500	0	24,028,185	1,707,457	
27	19,437,170	1,242,292	800,711	0	0	0	0	0	447,336	18,000	0	20,221,967	1,723,542	
3	42,012,158	1,191,002	1,784,668	0	0	0	0	0	991,668	40,500	0	46,020,253	3,655,585	
30	13,398,968	6,629,289	0	0	0	0	0	0	413,076	16,500	1,500	20,459,344	1,897,914	
34	20,735,790	0	2,517,318	0	0	0	0	0	426,336	18,000	0	23,697,444	2,177,590	
37	44,354,295	6,953,896	0	0	0	0	0	0	965,990	34,500	0	85,141,187	7,199,854	
49	20,561,234	0	117,223	0	0	0	0	0	613,660	30,000	0	21,325,317	1,845,505	
51	26,628,149	1,961,559	0	0	0	0	0	0	899,112	27,000	0	34,611,402	2,675,012	
52	20,423,813	0	7,235,238	0	0	0	0	5,305,503	474,120	18,000	0	51,043,371	4,457,950	
54	49,482,591	2,072,016	3,494,417	7,869,734	9,332,364	0	0	0	1,197,228	49,500	1,500	56,297,242	5,184,012	
56	12,731,750	0	0	0	0	0	0	0	325,248	15,000	0	12,034,882	1,037,116	
57	24,105,073	0	0	0	0	0	0	0	517,548	22,500	0	24,645,121	1,971,899	
58	12,446,242	0	0	0	0	0	0	0	269,296	12,000	0	12,726,538	1,176,472	
59	344,503	0	0	0	0	0	0	0	410,676	19,500	0	244,603	21,468	
61	11,813,118	8,998,679	0	0	0	0	0	0	1,162,992	46,500	0	12,802,623	1,012,741	
64	46,624,852	0	0	0	0	0	0	0	1,162,992	46,500	0	55,823,693	4,432,354	
													510,669,030	43,364,220
													554,033,251	43,364,220

Big Sandy RECC

Billing Analysis

for the 12 months ended September 30, 2006

	Total Present Annualized Revenues	Total Proposed Revenues	\$ Increase	% Increase
Sch A-1 - Farm and Home	\$14,382,024	\$15,086,550	\$704,526	4.90%
Sch A-1 Farm & Home - Off-peak Energy Charge	\$2,238	\$2,380	\$143	6.37%
Sch A-2 Commercial and Small Power	\$1,319,017	\$1,372,721	\$53,704	4.07%
Sch LP Large Power Service (25-750 kV)	\$2,325,538	\$2,449,596	\$124,057	5.33%
Sch LPR Large Power Service (25-750 kVA)	\$1,717,617	\$1,815,257	\$97,640	5.68%
Sch Ind 1	\$0	\$0	\$0	0.00%
Sch Ind 2	\$0	\$0	\$0	0.00%
Sch YL-1:				
175 Watt	\$487,376	\$507,787	\$20,411	4.19%
400 Watt	\$123,149	\$131,080	\$7,930	6.44%
500 Watt	\$1,552	\$1,671	\$119	7.66%
1500 Watt	\$568	\$628	\$59	10.46%
400 Watt	\$32,292	\$33,769	\$1,476	4.57%
Total Sch YL-1	\$644,938	\$674,934	\$29,996	4.65%
Total - All Rate Classes	\$20,391,372	\$21,401,438	\$1,010,066	4.95%

Billing Analysis: Test Year Ending September 30, 2006
All Billing Units are the Sum of the 12 months ending September 30, 2006

Sch E Based Line
kWh
179,212,807

Big Sandy RECC
Sch A-1 - Farm and Home

Billing Determinants	Actual		Proposed		Dollar Increase	Percent Increase
	Rate	Revenues	Rate	Revenues		
(1)	(2)	(3)=(1)*(2)	(4)	(5)	(6)	(7)
1. Customer Charge	143,232	\$7.00	\$ 1,002,624	\$7.00	\$ 1,002,624	\$ -
2. Energy Charge per kWh	179,212,807	\$ 0.06163	\$ 11,044,885	\$0.06556	\$ 11,749,411	\$ 704,526
3. Billing Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -
4. Total from Base Rates		\$ 12,047,509	\$ 12,047,509	\$ 12,752,035	\$ 704,526	\$ -
5. Plus Fuel Adjustment		\$ 1,430,705	\$ 1,430,705	\$ 1,430,705	\$ -	\$ -
6. Plus Environmental Surcharge		\$ 902,215	\$ 902,215	\$ 902,215	\$ -	\$ -
7. Green Power		\$ 1,595	\$ 1,595	\$ 1,595	\$ -	\$ -
8. Total Revenues		\$ 14,382,024	\$ 15,086,560	\$ 15,086,560	\$ 704,526	4.90%
9. Average		\$100.41	\$105.33	\$105.33	\$4.92	4.90%

Demand Charge Energy

Big Sandy RECC
Sch A-1 Farm & Home - Off-peak Energy Charge

60,507

Billing Determinants	Actual		Proposed		Dollar Increase	Percent Increase
	Rate	Revenues	Rate	Revenues		
(1)	(2)	(3)=(1)*(2)	(4)	(5)	(6)	(7)
1. Customer Charge	0	\$7.00	\$ -	\$7.00	\$ -	\$ -
2. Energy Charge per ETS kWh	60,507	\$ 0.03998	\$ 2,238	\$ 0.03934	\$ 2,380	\$ 143
3. Billing Adjustments	60	\$ -	\$ -	\$ -	\$ -	\$ -
4. Total from Base Rates		\$ 2,238	\$ 2,238	\$ 2,380	\$ 143	\$ -
5. Fuel Adjustment		\$ -	\$ -	\$ -	\$ -	\$ -
6. Environmental Surcharge		\$ -	\$ -	\$ -	\$ -	\$ -
7. Total Revenues		\$ 2,238	\$ 2,380	\$ 2,380	\$ 143	6.37%
8. Average		\$ 37.29	\$ 39.67	\$ 39.67	\$ 2.38	6.37%

Big Sandy RECC
Sch A-2 Commercial and Small Power

13,662,774

Billing Determinants	Actual		Proposed		Dollar Increase	Percent Increase
	Rate	Revenues	Rate	Revenues		
(1)	(2)	(3)=(1)*(2)	(4)	(5)	(6)	(7)
1. Customer Charge	11,367	\$15.00	\$ 170,505	\$15.00	\$ 170,505	\$ -
2. Demand Charge	58,421	\$4.00	\$ 233,684	\$4.00	\$ 233,684	\$ -
3. Energy Charge per kWh	13,662,774	\$ 0.05510	\$ 752,819	\$0.05903	\$ 806,523	\$ 53,704
4. Billing Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -
5. Total from Base Rates		\$ 1,157,008	\$ 1,210,712	\$ 1,210,712	\$ 53,704	\$ -
6. Fuel Adjustment		\$ 99,355	\$ 99,355	\$ 99,355	\$ -	\$ -
7. Environmental Surcharge		\$ 62,654	\$ 62,654	\$ 62,654	\$ -	\$ -
8. Total Revenues		\$ 1,319,017	\$ 1,372,721	\$ 1,372,721	\$ 53,704	4.07%
9. Average		\$ 116.04	\$ 120.76	\$ 120.76	\$ 4.72	4.07%

Big Sandy RECC
Sch L/P Large Power Service (25-750 KV)

2,310,920
29,250,259

Billing Determinants	Actual		Proposed		Dollar Increase	Percent Increase
	Rate	Revenues	Rate	Revenues		
(1)	(2)	(3)=(1)*(2)	(4)	(5)	(6)	(7)
1. Customer Charge	1,659	\$50.00	\$ 82,950	\$50.00	\$ 82,950	\$ -
2. Demand Charge	98,202	\$5.10	\$ 500,830	\$5.10	\$ 500,830	\$ -
3. Secondary Meter Energy Charge per kWh	2,310,920	\$ 0.04246	\$ 98,168	\$0.04641	\$ 107,251	\$ 9,084
4. Primary Meter Energy Charge per kWh	29,250,259	\$ 0.04179	\$ 1,222,368	\$0.04572	\$ 1,337,342	\$ 114,974
5. Billing Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -
6. Total from Base Rates		\$ 1,904,316	\$ 2,028,374	\$ 2,028,374	\$ 124,057	\$ -
7. Fuel Adjustment		\$ 258,322	\$ 258,322	\$ 258,322	\$ -	\$ -
8. Environmental Surcharge		\$ 162,950	\$ 162,950	\$ 162,950	\$ -	\$ -
9. Total Revenues		\$ 2,325,538	\$ 2,449,596	\$ 2,449,596	\$ 124,057	5.33%
10. Average		\$ 1.402	\$ 1.477	\$ 1.477	\$ 75	5.33%

Big Sandy RECC
Sch LPR Large Power Service (750 kVA and over)

Billing Determinants (1)	Actual		Proposed		Dollar Increase (6)	Percent Increase (7)
	Rate (2)	Revenues (3)=(1)*(2)	Rate (4)	Revenues (5)		
1. Customer Charge	12	\$75.00 \$ 900	\$75.00	\$ 900	\$ -	
2. Demand Charge	80,478	\$5.10 \$ 410,438	\$5.10	\$ 410,438	\$ -	
3. Secondary Meter Energy Charge per kWh	117,520	\$ 0.04020 \$ 4,724	\$0.04413	\$ 5,186	\$ 462	
4. Primary Meter Energy Charge per kWh	24,722,764	\$ 0.03954 \$ 977,638	\$0.04347	\$ 1,074,716	\$ 97,178	
5. Billing Adjustments		\$ -		\$ -	\$ -	
6. Total from Base Rates		\$ 1,393,600		\$ 1,491,240	\$ 97,640	
7. Fuel Adjustment		\$ 198,709		\$ 198,709	\$ -	
8. Environmental Surcharge		\$ 125,308		\$ 125,308	\$ -	
9. Total Revenues		\$ 1,717,617		\$ 1,815,257	\$ 97,640	5.68%
10. Average		\$ 143,135		\$ 151,271	\$ 8,137	5.68%

Big Sandy RECC
Sch Ind 1

Billing Determinants (1)	Actual		Proposed		Dollar Increase (6)	Percent Increase (7)
	Rate (2)	Revenues (3)=(1)*(2)	Rate (4)	Revenues (5)		
1. Customer Charge	0	\$150.00 \$ -	\$150.00	\$ -	\$ -	
2. Demand Charge	0	\$5.39 \$ -	\$7.29	\$ -	\$ -	
3. Secondary Meter Energy Charge per kWh	0	\$ 0.03563 \$ -	\$0.03563	\$ -	\$ -	
4. Primary Meter Energy Charge per kWh	0	\$ 0.03506 \$ -	\$0.03506	\$ -	\$ -	
5. Billing Adjustments		\$ -		\$ -	\$ -	
6. Total from Base Rates		\$ -		\$ -	\$ -	
7. Fuel Adjustment		\$ -		\$ -	\$ -	
8. Environmental Surcharge		\$ -		\$ -	\$ -	
9. Total Revenues		\$ -		\$ -	\$ -	#DIV/0!
10. Average		#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!

Big Sandy RECC
Sch Ind 2

Billing Determinants (1)	Actual		Proposed		Dollar Increase (6)	Percent Increase (7)
	Rate (2)	Revenues (3)=(1)*(2)	Rate (4)	Revenues (5)		
1. Customer Charge	0	\$1,069.00 \$ -	\$1,069.00	\$ -	\$ -	
2. Demand Charge	0	\$5.39 \$ -	\$7.29	\$ -	\$ -	
3. Secondary Meter Energy Charge per kWh	0	\$ 0.03063 \$ -	\$0.03063	\$ -	\$ -	
4. Primary Meter Energy Charge per kWh	0	\$ 0.03018 \$ -	\$0.03018	\$ -	\$ -	
5. Billing Adjustments		\$ -		\$ -	\$ -	
6. Total from Base Rates		\$ -		\$ -	\$ -	
7. Fuel Adjustment		\$ -		\$ -	\$ -	
8. Environmental Surcharge		\$ -		\$ -	\$ -	
9. Total Revenues		\$ -		\$ -	\$ -	#DIV/0!
10. Average		#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!

Dem \$ Cust Chg \$ Energy \$

Non-demand kWh (excl lights) 249,337,551
Lights kWh 7,631,260
Total non-demand kWh 256,968,811

\$ Increase - Non - Lights
\$ Increase - Lights
Total \$ Increase
\$ Increase per EKPC
\$ Differential

\$ 980,070
\$29,996
\$ 1,010,066
\$ 1,010,068
\$ (0)

\$0
\$0

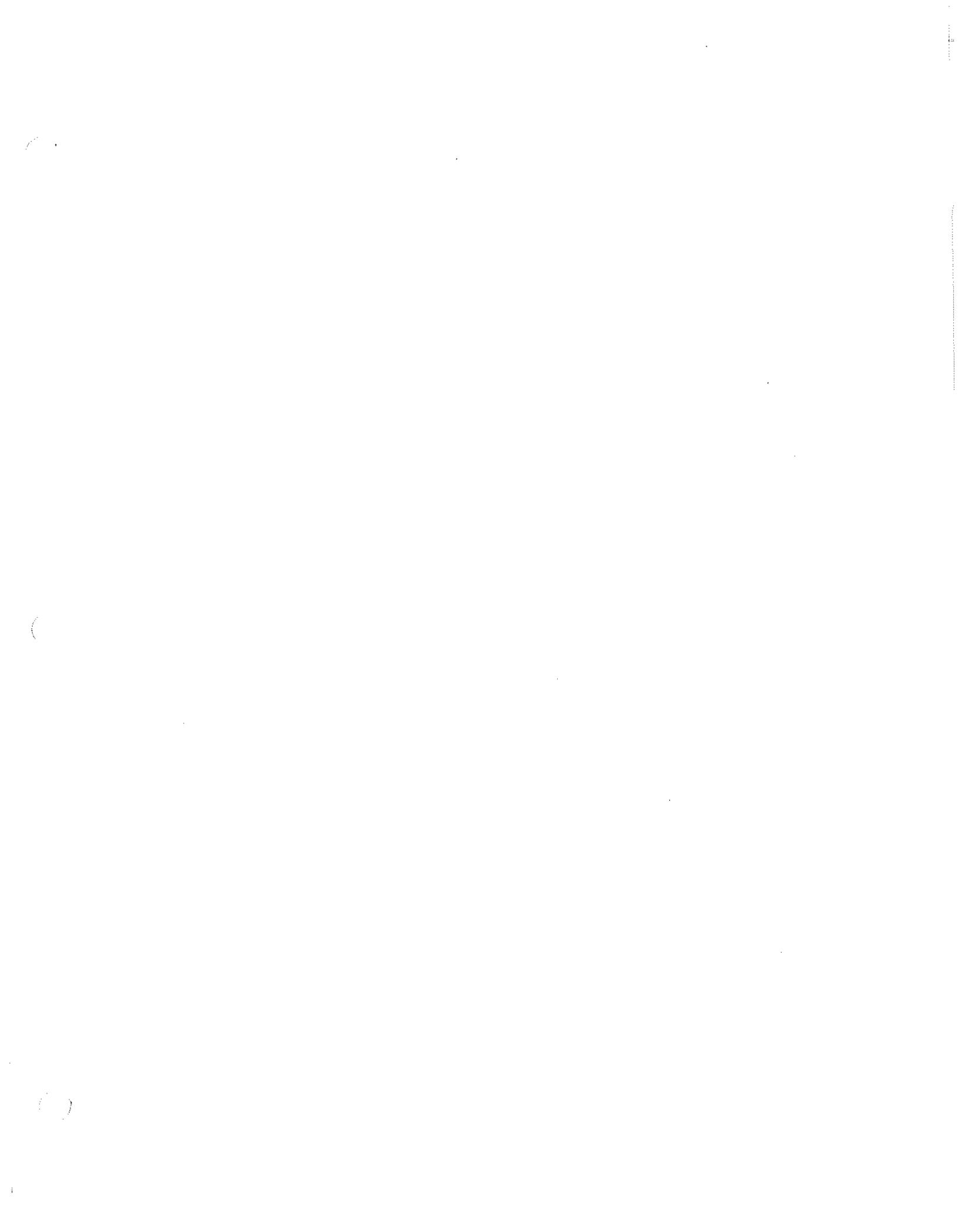
Total \$ \$1,010,066
Less Dmd \$ \$1,010,068
Less Cust Chg \$ \$1,010,066
per kWh \$0.003931

Billing Analysis: Test Year Ending September 30, 2006

All Billing Units are the Sum of the 12 months ending September 30, 2006

Big Sandy RECC
Sch YL-1

Description	Annual Billing Units (1)	Rate per Lamp (2)	Annual Revenue (3)=(1)*(2)	Assigned kWh per Light (4)	Total kWh assigned to Lights (5)=(1)*(4)	Proposed Rate per Light (6)	Proposed Light Revenues (7)	Dollar Change (8)	Percent Change (9)
175 Watt Mercury Vapor	74,182	\$ 6.57	\$487,376	70	5,192,740	\$ 6.85	\$507,787	\$20,411	4.19%
400 Watt Mercury Vapor	13,101	\$ 9.40	\$123,149	154	2,017,554	\$ 10.01	\$131,080	\$7,930	6.44%
500 Watt Mercury Vapor	144	\$ 10.78	\$1,552	210	30,240	\$ 11.61	\$1,671	\$119	7.66%
1500 Watt Mercury Vapor	24	\$ 23.67	\$568	630	15,120	\$ 26.15	\$628	\$59	10.46%
400 Watt Flood Light	2,439	\$ 13.24	\$32,292	154	375,606	\$ 13.85	\$33,769	\$1,476	4.57%
Total	89,890		\$644,938		7,631,260		\$674,934	\$29,996	4.65%
Avg			\$7.17				\$7.51	\$0.33	4.65%



BIG SANDY RURAL ELECTRIC COOPERATIVE CORPORATION

PSC CASE NO. 2006-00473

FIRST DATA REQUEST RESPONSE

COMMISSION STAFF'S FIRST DATA REQUEST DATED 3/12/07

REQUEST 2

RESPONSIBLE PERSON: William A. Bosta

COMPANY: Big Sandy Rural Electric Cooperative Corporation

Request 2. KRS 278.455(2) provides that a distribution cooperative may change its rates to reflect a change in the rate of its wholesale supplier if the effects of an increase or decrease are allocated to each class and within each tariff on a proportional basis that will result in no change in the rate design currently in effect. 807 KAR 5:007, Section 2(2), provides that the distribution cooperative shall file an analysis demonstrating that the rate change does not change the rate design currently in effect and the revenue change has been allocated to each class and within each tariff on a proportional basis. In the cover letter to its Application, Big Sandy states:

In each instance, the retail rates for a particular class have been developed in a manner that is consistent with the method proposed by EKPC. The proposed rate design structure at retail does not change the rate design currently in effect and is consistent with the rate design methodology used at wholesale.

Request 2a. For each retail Rate Schedule listed in Exhibit II of the Application, identify the corresponding wholesale Rate Schedule of East Kentucky Power Cooperative, Inc.

Response 2a. Please see the attached information.

Request 2b. Would Big Sandy agree that KRS 278.455(2) and 807 KAR5:007, Section 2(2), require that increases or decreases in rates from the wholesale supplier must be allocated to each retail class and within each retail tariff on a proportional basis? Explain the response.

Response 2b. Yes. EKPC and each Member System understands these requirements and have developed proposed rates that meet the intent of KRS 278.455(2) and 807 KAR5:007. As explained in Mr. Bosta's testimony, EKPC began the rate design process at wholesale by allocating the proposed rate increase to each rate class on a proportional basis. The proportional increase to each rate class was then applied to the most appropriate rate mechanism for each rate class.

The proposed increase at retail is strictly a pass-through of EKPC's increased wholesale costs and each Member System must recover the dollar increase from new wholesale rates. As a result, EKPC and each Member System recognized that it was important to implement retail rates that mirror the change at wholesale, while meeting the proportionality and rate design requirements.

EKPC and its Member Systems understand that a "pure" proportional increase at retail, as discussed in Item 3 herein, would result in increases at retail to customer, demand and energy charges. However, EKPC and its Member Systems came to the conclusion that, for example, an increase in the customer charge at retail made no sense because the wholesale increase had no relationship to customer cost. EKPC has not proposed an increase in its substation charges or metering point charges in this proceeding. Consequently, EKPC and its Member Systems could not justify increasing the retail customer charge when the wholesale increase has no relationship to that cost.

Therefore, EKPC believes that its proposed wholesale increase using a proportional basis, coupled with the use of the wholesale rate design methodology at retail, is a reasonable approach to meeting the intent of the requirements.

Request 2c. Would Big Sandy agree that KRS 278.455(2) and 807 KAR 5:007, Section 2(2), require that the retail rate change does not change the retail rate design currently in effect? Explain the response.

Response 2c. Yes. EKPC and its Member Systems understand the requirements set forth in KRS 278.455(2) and 807 KAR 5:007 and believe that the proposed rates do not alter the existing rate design structure at retail.

As indicated in the response to Item 2b, the rate design used for the pass-through increase at retail was intended to meet these requirements, while also maintaining the existing wholesale/retail rate design relationship and recognizing cost causation principles.

Industrial customers at retail, for example, will pay the same demand charge as the Member System pays to EKPC. This maintains the rate design relationship from wholesale to retail that has existed for a number of years. Likewise, the proposed increase in the "E" wholesale rate, which is only applied to the energy charge, is being passed through only to the energy charge at retail. This process allows the rate design relationship from wholesale to retail to remain in place.

Fundamentally, for every retail rate class, there has been no change in the rate design structure. The demand, energy, and customer components for industrial rates remains intact and the residential and commercial rate design structure remains as is through a continuation of the customer and energy charge structure. This adherence to the rate

design structure, coupled with a retention of the wholesale to retail rate design relationship, is a reasonable approach and meets the legal requirements.

The present and proposed rates structures of Big Sandy Rural Electric Cooperative Corporation are listed below:

<u>Rate Class</u>	<u>EKPC Rate Schedule</u>	<u>Present</u>	<u>Proposed</u>
Sch A-1 Farm & Home	E-2		
Customer charge per month		\$7.00	\$7.00
Energy charge per kWh		\$0.06163	\$0.06556
Sch A-1 Off-Peak Energy Charge	E-2		
Off-peak energy charge per kWh		\$0.03698	\$0.03934
Sch A-2 Commercial & Small Pwr	E-2		
Customer charge per month		\$15.00	\$15.00
Energy charge per kWh		\$0.05510	\$0.05903
Demand charge per kW		\$4.00	\$4.00
Sch LP Large Pwr Service	E-2		
Demand charge		\$5.10	\$5.10
Secondary meter energy charge per kWh		\$0.04248	\$0.04641
Primary meter energy charge per kWh		\$0.04179	\$0.04572
Customer charge per month		\$50.00	\$50.00
Sch LPR Large Pwr Service	E-2		
Demand charge		\$5.10	\$5.10
Secondary meter energy charge per kWh		\$0.04020	\$0.04413
Primary meter energy charge per kWh		\$0.03954	\$0.04347
Customer charge per month		\$75.00	\$75.00
Sch YL-1	E-2		
175 Watt Mercury Vapor		\$6.57	\$6.85
400 Watt Mercury Vapor		\$9.40	\$10.01
500 Watt Mercury Vapor		\$10.78	\$11.61
1,500 Watt Mercury Vapor		\$23.67	\$26.15
400 Watt Flood		\$13.24	\$13.85
Sch IND 1	C		
Demand Charge		\$5.39	\$7.29
Secondary Meter Energy Charge per kWh		\$0.03563	\$0.03563
Primary Meter Energy Charge per kWh		\$0.03506	\$0.03506
Customer charge per month		\$150.00	\$150.00
Sch IND 2	C		
Demand Charge		\$5.39	\$7.29
Secondary Meter Energy Charge per kWh		\$0.03063	\$0.03063
Primary Meter Energy Charge per kWh		\$0.03018	\$0.03018
Customer charge per month		\$1,069.00	\$1,069.00

BIG SANDY RURAL ELECTRIC COOPERATIVE CORPORATION

PSC CASE NO. 2006-00473

FIRST DATA REQUEST RESPONSE

COMMISSION STAFF'S FIRST DATA REQUEST DATED 3/12/07

REQUEST 3

RESPONSIBLE PERSON: William A. Bosta

COMPANY: Big Sandy Rural Electric Cooperative Corporation

Request 3. Refer to Exhibit III of the Application.

Request 3a. Prepare the following comparative analyses of Big Sandy's present and proposed revenues:

(1) Calculate the percentage that each rate schedule or class represents of the total revenues for both the present revenues and proposed revenues. Percentages should be expressed to 2 decimal places.

(2) Calculate the percentage that each component of the base rates within each rate schedule or class represents of the total base rate revenues for both the present revenues and proposed revenues. Do not include fuel adjustment revenues, environmental surcharge revenues, or green power revenues. Percentages should be expressed to 2 decimal places.

Response 3a. (1) Please see the attached information.

(2) Please see the attached information.

Request 3b. Based upon the results of the analyses prepared in part (a) above, explain in detail how Big Sandy's proposed pass-through rates are in compliance with the retail rate requirements of KRS 278.455(2) and 807 KAR 5:007, Section 2(2).

Response 3b. Maintaining the existing revenue proportion as shown in part (a) above assumes that the proportionality requirement would follow strict adherence to the existing proportion of revenues at retail, by rate mechanism component (i.e. customer, energy and demand). EKPC and the Member Systems believe that the proportionality requirement is not so narrow and that the pass-through at retail has followed the proposed wholesale rate design process in a proportional manner. At retail, for example, there is no increase in the customer charge because EKPC did not increase the metering point charge or substation charge at wholesale. Moreover, the "B" and "C" type retail industrial classes will have the same demand rate as the proposed demand rate for industrial customers at wholesale. It follows the matching concept upon which these rates were originally created.

See also the response to Item 2(b) and 2(c) herein. KRS 278.455(2) explicitly recognizes "proportional" allocation without recognizing a specific method, whether KWh, revenue, or other means of proportionality. EKPC has chosen the proportional method of applying wholesale to retail, with the intended matching concept of costs vs. revenue. The retail rates reflect this top-down approach to proportionality. Please see the attached analysis which illustrates this approach.

Big Sandy RECC

Billing Analysis

for the 12 months ended September 30, 2006

	Total Present Annualized Revenues	Percent of Total Rev.	Total Proposed Revenues	Percent of Total Rev.	\$ Increase	% Increase
Sch A-1 - Farm and Home	\$14,382,024	70.53%	\$15,086,550	70.49%	\$704,526	4.90%
Sch A-1 Farm & Home - Off-peak Energy Charge	\$2,238	0.01%	\$2,380	0.01%	\$143	6.37%
Sch A-2 Commercial and Small Power	\$1,319,017	6.47%	\$1,372,721	6.41%	\$53,704	4.07%
Sch LP Large Power Service (25-750 kV)	\$2,325,538	11.40%	\$2,449,596	11.45%	\$124,057	5.33%
Sch LPR Large Power Service (25-750 kVA)	\$1,717,617	8.42%	\$1,815,257	8.48%	\$97,640	5.68%
Sch Ind 1	\$0	0.00%	\$0	0.00%	\$0	0.00%
Sch Ind 2	\$0	0.00%	\$0	0.00%	\$0	0.00%
Sch YL-1:						
175 Watt	\$487,376		\$507,787		\$20,411	4.19%
400 Watt	\$123,149		\$131,080		\$7,930	6.44%
500 Watt	\$1,552		\$1,671		\$119	7.66%
1500 Watt	\$568		\$628		\$59	10.46%
400 Watt	\$32,292		\$33,769		\$1,476	4.57%
Total Sch YL-1	\$644,938	3.16%	\$674,934	3.15%	\$29,996	4.65%
Total - All Rate Classes	\$20,391,372	100.00%	\$21,401,438	100.00%	\$1,010,066	4.95%

Billing Analysis: Test Year Ending September 30, 2006

All Billing Units are the Sum of the 12 months ending September 30, 2006

Big Sandy RECC
Sch A-1 - Farm and Home

Line

Billing Determinants	Actual		Actual Component % of Base Rates	Proposed		Dollar Increase	Percent Increase	Proposed Component % of Base Rates
	Rate	Revenues		Rate	Revenues			
(1)	(2)	(3)=(1)*(2)		(4)	(5)	(6)	(7)	
1. Customer Charge	143,232	\$7.00	\$ 1,002,624	8.32%	\$7.00	\$ 1,002,624	\$ -	7.86%
2. Energy Charge per kWh	179,212,807	\$ 0.06163	\$11,044,886	91.68%	\$0.06556	\$11,749,411	\$ 704,526	92.14%
3. Billing Adjustments			\$ -		\$ -	\$ -	\$ -	
4. Total from Base Rates			\$12,047,509	100.00%		\$12,752,035	\$ 704,526	100.00%
5. Plus Fuel Adjustment			\$ 1,430,705			\$ 1,430,705	\$ -	
6. Plus Environmental Surcharge			\$ 902,215			\$ 902,215	\$ -	
7. Green Power			\$ 1,595			\$ 1,595	\$ -	
8. Total Revenues			\$14,382,024			\$15,086,550	\$ 704,526	4.90%
9. Average			\$100.41			\$105.33	\$4.92	4.90%

Big Sandy RECC
Sch A-1 Farm & Home - Off-peak Energy Charge

Billing Determinants	Actual		Actual Component % of Base Rates	Proposed		Dollar Increase	Percent Increase	Proposed Component % of Base Rates
	Rate	Revenues		Rate	Revenues			
(1)	(2)	(3)=(1)*(2)		(4)	(5)	(6)	(7)	
1. Customer Charge	0	\$7.00	\$ -	0.00%	\$7.00	\$ -	\$ -	0.00%
2. Energy Charge per ETS kWh	60,607	\$ 0.03698	\$ 2,238	100.00%	\$ 0.03934	\$ 2,380	\$ 143	100.00%
3. Billing Adjustments	60		\$ -			\$ -	\$ -	
4. Total from Base Rates			\$ 2,238	100.00%		\$ 2,380	\$ 143	100.00%
5. Fuel Adjustment			\$ -			\$ -	\$ -	
6. Environmental Surcharge			\$ -			\$ -	\$ -	
7. Total Revenues			\$ 2,238			\$ 2,380	\$ 143	6.37%
8. Average			\$ 37.29			\$ 39.67	\$ 2.38	6.37%

Big Sandy RECC
Sch A-2 Commercial and Small Power

Billing Determinants	Actual		Actual Component % of Base Rates	Proposed		Dollar Increase	Percent Increase	Proposed Component % of Base Rates
	Rate	Revenues		Rate	Revenues			
(1)	(2)	(3)=(1)*(2)		(4)	(5)	(6)	(7)	
1. Customer Charge	11,367	\$15.00	\$ 170,505	14.74%	\$15.00	\$ 170,505	\$ -	14.08%
2. Demand Charge	58,421	\$4.00	\$ 233,684	20.20%	\$4.00	\$ 233,684	\$ -	19.30%
3. Energy Charge per kWh	13,662,774	\$ 0.05910	\$ 752,819	65.07%	\$0.05903	\$ 806,523	\$ 53,704	66.62%
4. Billing Adjustments			\$ -		\$ -	\$ -	\$ -	
5. Total from Base Rates			\$ 1,157,008	100.00%		\$ 1,210,712	\$ 53,704	100.00%
6. Fuel Adjustment			\$ 99,355			\$ 99,355	\$ -	
7. Environmental Surcharge			\$ 62,654			\$ 62,654	\$ -	
8. Total Revenues			\$ 1,319,017			\$ 1,372,721	\$ 53,704	4.07%
9. Average			\$ 116.04			\$ 120.76	\$ 4.72	4.07%

Big Sandy RECC
Sch LP Large Power Service (25-750 kV)

Billing Determinants	Actual		Actual Component % of Base Rates	Proposed		Dollar Increase	Percent Increase	Proposed Component % of Base Rates
	Rate	Revenues		Rate	Revenues			
(1)	(2)	(3)=(1)*(2)		(4)	(5)	(6)	(7)	
1. Customer Charge	1,659	\$50.00	\$ 82,950	4.36%	\$50.00	\$ 82,950	\$ -	4.09%
2. Demand Charge	98,202	\$5.10	\$ 500,830	26.30%	\$5.10	\$ 500,830	\$ -	24.69%
3. Secondary Meter Energy Charge per kWh	2,310,920	\$ 0.04248	\$ 98,168	5.16%	\$0.04641	\$ 107,251	\$ 9,084	5.29%
4. Primary Meter Energy Charge per kWh	29,250,259	\$ 0.04179	\$ 1,222,368	64.19%	\$0.04572	\$ 1,337,342	\$ 114,974	65.93%
5. Billing Adjustments			\$ -		\$ -	\$ -	\$ -	
6. Total from Base Rates			\$ 1,904,316	100.00%		\$ 2,028,374	\$ 124,057	100.00%
7. Fuel Adjustment			\$ 258,322			\$ 258,322	\$ -	
8. Environmental Surcharge			\$ 162,900			\$ 162,900	\$ -	
9. Total Revenues			\$ 2,325,538			\$ 2,449,596	\$ 124,057	5.33%
10. Average			\$ 1,402			\$ 1,477	\$ 75	5.33%

Big Sandy RECC
Sch LPR Large Power Service (750 kVA and over)

	Actual			Actual Component % of Base Rates	Proposed		Dollar Increase	Percent Increase	Proposed Component % of Base Rates
	Billing Determinants (1)	Rate (2)	Revenues (3)=(1)*(2)		Rate (4)	Revenues (5)			
1. Customer Charge	12	\$75.00	\$ 900	0.06%	\$75.00	\$ 900	\$ -		0.06%
2. Demand Charge	80,478	\$5.10	\$ 410,438	29.45%	\$5.10	\$ 410,438	\$ -		27.52%
3. Secondary Meter Energy Charge per kWh	117,520	\$ 0.04020	\$ 4,724	0.34%	\$0.04413	\$ 5,186	\$ 462		0.35%
4. Primary Meter Energy Charge per kWh	24,722,764	\$ 0.03954	\$ 977,538	70.14%	\$0.04347	\$ 1,074,716	\$ 97,178		72.07%
5. Billing Adjustments		\$ -	\$ -		\$ -	\$ -	\$ -		
6. Total from Base Rates			\$ 1,393,600	100.00%	\$ 1,491,240	\$ 97,640	\$ 97,640		100.00%
7. Fuel Adjustment			\$ 198,709		\$ 198,709	\$ -	\$ -		
8. Environmental Surcharge			\$ 125,308		\$ 125,308	\$ -	\$ -		
9. Total Revenues			\$ 1,717,617		\$ 1,815,257	\$ 97,640	\$ 97,640	5.68%	
10. Average			\$ 143,135		\$ 151,271	\$ 8,137	\$ 8,137	5.68%	

Big Sandy RECC
Sch Ind 1

	Actual			Actual Component % of Base Rates	Proposed		Dollar Increase	Percent Increase	Proposed Component % of Base Rates
	Billing Determinants (1)	Rate (2)	Revenues (3)=(1)*(2)		Rate (4)	Revenues (5)			
1. Customer Charge	0	\$150.00	\$ -		\$150.00	\$ -	\$ -		
2. Demand Charge	0	\$5.39	\$ -		\$7.29	\$ -	\$ -		
3. Secondary Meter Energy Charge per kWh	0	\$ 0.03563	\$ -		\$0.03563	\$ -	\$ -		
4. Primary Meter Energy Charge per kWh	0	\$ 0.03506	\$ -		\$0.03506	\$ -	\$ -		
5. Billing Adjustments		\$ -	\$ -		\$ -	\$ -	\$ -		
6. Total from Base Rates			\$ -		\$ -	\$ -	\$ -		
7. Fuel Adjustment			\$ -		\$ -	\$ -	\$ -		
8. Environmental Surcharge			\$ -		\$ -	\$ -	\$ -		
9. Total Revenues			\$ -		\$ -	\$ -	\$ -	#DIV/0!	#DIV/0!
10. Average			#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Big Sandy RECC
Sch Ind 2

	Actual			Actual Component % of Base Rates	Proposed		Dollar Increase	Percent Increase	Proposed Component % of Base Rates
	Billing Determinants (1)	Rate (2)	Revenues (3)=(1)*(2)		Rate (4)	Revenues (5)			
1. Customer Charge	0	\$1,069.00	\$ -		\$1,069.00	\$ -	\$ -		
2. Demand Charge	0	\$5.39	\$ -		\$7.29	\$ -	\$ -		
3. Secondary Meter Energy Charge per kWh	0	\$ 0.03063	\$ -		\$0.03063	\$ -	\$ -		
4. Primary Meter Energy Charge per kWh	0	\$ 0.03018	\$ -		\$0.03018	\$ -	\$ -		
5. Billing Adjustments		\$ -	\$ -		\$ -	\$ -	\$ -		
6. Total from Base Rates			\$ -		\$ -	\$ -	\$ -		
7. Fuel Adjustment			\$ -		\$ -	\$ -	\$ -		
8. Environmental Surcharge			\$ -		\$ -	\$ -	\$ -		
9. Total Revenues			\$ -		\$ -	\$ -	\$ -	#DIV/0!	#DIV/0!
10. Average			#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

\$ Increase - Non - Lights \$ 980,070
 \$ Increase - Lights \$29,996
 Total \$ Increase \$ 1,010,066
 \$ increase per EKPC \$1,010,066
 \$ Differential \$ (0)

Billing Analysis: Test Year Ending September 30, 2006

All Billing Units are the Sum of the 12 months ending September 30, 2006

Big Sandy RECC
Sch YL-1

Description	Annual Billing Units	Rate per Lamp	Annual Revenue	Percent of Actual Base Revenues	Assigned kWh per Light	Total kWh assigned to Lights	Proposed Rate per Light	Proposed Light Revenues	Dollar Change	Percent Change	Percent of Proposed Base Revenues
	(1)	(2)	(3)=(1)*(2)	Revenues	(4)	(5)=(1)*(4)	(6)	(7)	(8)	(9)	
175 Watt Mercury Vapor	74,182	\$ 6.57	\$487,376	75.57%	70	5,192,740	\$ 6.85	\$507,787	\$20,411	4.19%	75.24%
400 Watt Mercury Vapor	13,101	\$ 9.40	\$123,149	19.09%	154	2,017,554	\$ 10.01	\$131,080	\$7,930	6.44%	19.42%
500 Watt Mercury Vapor	144	\$ 10.78	\$1,552	0.24%	210	30,240	\$ 11.61	\$119	\$119	7.66%	0.25%
1500 Watt Mercury Vapor	24	\$ 23.67	\$568	0.09%	630	15,120	\$ 26.15	\$628	\$59	10.46%	0.09%
400 Watt Flood Light	2,439	\$ 13.24	\$32,292	5.01%	154	375,606	\$ 13.85	\$33,769	\$1,476	4.57%	5.00%
Total	89,890		\$644,938	100.00%		7,631,260		\$674,934	\$29,996	4.65%	100.00%
Avg			\$7.17					\$7.51	\$0.33	4.65%	

