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March 14, 2007

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270-368-4344

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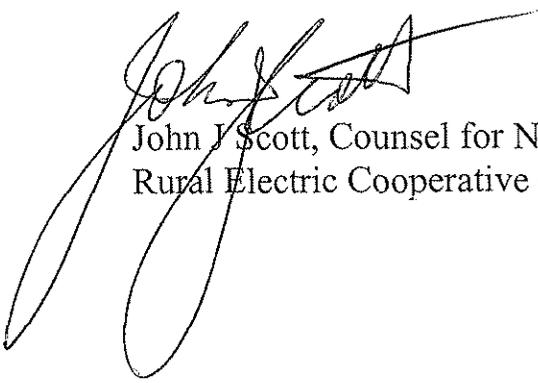
Ms. Elizabeth O'Donnell
Executive Director
Public Service Commission
211 Sower Boulevard
Frankfort, KY 40602

Re: PSC Case No. 2006-00484

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 Nolin Rural Electric Cooperative Corporation to the Commission Staff's First Data Requests dated March 12, 2007.

Very truly yours,



John J. Scott, Counsel for Nolin
Rural Electric Cooperative Corporation

JJS/rrd

Enclosures

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF NOLIN RURAL ELECTRIC)	
COOPERATIVE CORPORATION TO)	
PASS-THROUGH AN INCREASE OF ITS)	CASE NO.
WHOLESALE POWER SUPPLIER PURSUANT)	2006-00484
TO KRS 278.455(2))	

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

NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION

PSC CASE NO. 2006-00484

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

Nolin Rural Electric Cooperative Corporation ("Nolin") 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.

NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION

PSC CASE NO. 2006-00484

FIRST DATA REQUEST RESPONSE

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

REQUEST 1

RESPONSIBLE PERSON: William A. Bosta

COMPANY: Nolin 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 Nolin.

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.

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.

Billings Units - Base Rate Revenue

Rate E	Demand Energy	1.50	0.00378	1.50	0.00378
E2	Demand	3.22	0.0314	3.22	0.0314
E1	Eng-Off	6.82	0.030898	6.82	0.030898
Rate E	Demand Energy	1.50	0.00378	1.50	0.00378
E2	Demand	3.22	0.0314	3.22	0.0314
E1	Eng-Off	6.82	0.030898	6.82	0.030898

Rate E - Interf	Firm Demand	5.22	2.07	5.22	2.07
Interf 60	Eng-Off	0.038464	0.038464	0.038464	0.038464

Rate B	Demand Excess D	7.29	9.72	7.29	9.72
Eng-Off	Eng-Off	0.027325	0.027325	0.027325	0.027325

Rate B - Interf	Firm Demand	7.29	3.69	7.29	3.69
Interf 10	Demand	4.14	0.027325	4.14	0.027325
Eng-Off	Eng-Off	0.027325	0.027325	0.027325	0.027325

Proposed Total Revenue	Energy-On Revenue	Energy-Off Revenue	Demand Revenue	Excess Dem Revenue	Interf Revenue	Firm Demand Revenue
41,977,429	13,611,091	13,611,091	10,255,169	17,553	19,844,370	503,010
18,549,828	6,431,743	6,431,743	5,191,962	43,013	19,844,370	28,244
17,897,075	6,167,574	6,167,574	3,171,757	14,011	19,844,370	319,659
3,398,843	13,707,989	13,707,989	10,865,115	82,223	19,844,370	503,010
1,079,048	13,308,262	13,308,262	3,882,232	780,030	19,844,370	28,244
1,715,000	20,735,730	20,735,730	4,972,204	4,953,036	19,844,370	319,659
3,649,934	41,954,235	41,954,235	14,268,278	14,268,278	19,844,370	503,010
1,668,412	20,561,234	20,561,234	3,225,469	3,225,469	19,844,370	28,244
2,170,808	8,719,610	8,719,610	6,613,068	6,613,068	19,844,370	503,010
1,871,856	8,950,076	8,950,076	5,078,047	5,078,047	19,844,370	28,244
3,972,155	6,781,028	6,781,028	13,006,058	20,374,964	19,844,370	503,010
1,037,116	45,510,426	45,510,426	3,203,697	5,940,964	19,844,370	319,659
1,971,898	12,531,750	12,531,750	5,963,714	10,151,691	19,844,370	503,010
1,010,657	24,145,073	24,145,073	3,171,113	5,175,211	19,844,370	28,244
30,005	15,436,176	15,436,176	71,190	142,568	19,844,370	319,659
857,653	314,458	314,458	3,008,970	4,891,258	19,844,370	503,010
3,719,852	42,800,789	42,800,789	12,080,656	19,489,589	14,750,437	28,244
34,653,347	352,164,032	352,164,032	111,593,148	176,574,984	138,659,607	429,627,439

Total Revenue	Energy-On Revenue	Energy-Off Revenue	Demand Revenue	Excess Dem Revenue	Interf Revenue	Firm Demand Revenue
30,707	36,502	36,502	1,192	43,013	19,844,370	503,010
27,939	14,907	14,907	2,221	14,011	19,844,370	28,244
272,866	142,717	142,717	20,213	141,281	19,844,370	319,659
31,344	304,210	304,210	33,626	188,305	19,844,370	503,010
43,237	428,056	428,056	16,082	15,942	19,844,370	28,244

Present Total Revenue	Adjustment	Present Total Revenue	Adjustment
1,624,413	141,259	1,765,672	19,505
213,301	19,505	232,807	104,424
1,157,868	104,424	1,262,292	104,798
1,068,205	504,175	1,572,380	0
6,129,124	0	6,129,124	0
395,263	0	395,263	0
4,415,198	0	4,415,198	0
1,606,138	155,420	1,761,558	0
1,900,905	171,110	2,072,015	0
0	0	0	0
0	0	0	0
0	0	0	0
8,307,482	681,189	8,988,671	0
26,620,634	2,273,652	28,894,286	0
1,449,037	131,186	1,580,223	0
1,971,884	171,509	2,143,394	0
3,420,921	362,695	3,783,616	0

Total Revenue	Energy-On Revenue	Energy-Off Revenue	Demand Revenue	Excess Dem Revenue	Interf Revenue	Firm Demand Revenue
1,802,222	1,077,056	1,077,056	503,010	168	19,844,370	503,010
2,143,394	1,377,345	1,377,345	28,244	319,659	19,844,370	28,244
3,723,616	2,874,370	2,874,370	509,254	319,091	19,844,370	509,254

Nolin
Billing Analysis
for the 12 months ended September 30, 2006

	Total	Total	\$ Increase	% Increase
Residential	33,363,335	35,029,430	1,666,095	4.99%
Residential, Farm and Non-Farm Service Builder	2,187,116	2,287,633	100,517	4.60%
Commercial, Small Power & Three-Phase Farm Service Industrial	1,258,733	1,318,955	60,222	4.78%
Large Power Service Less than 50 kW	51,835	55,179	3,344	6.45%
Industrial 5,000 - 9,999 kW	2,740,989	2,901,080	160,091	5.84%
Industrial - Over 10,000 kW	6,936,962	7,294,906	357,944	5.16%
Street Lighting and Security Lights	802,630	835,079	32,449	4.04%
	52,775,485	55,450,497	2,675,013	5.07%

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006

Demand= 1
Load Cntr= 1

Schedule 1
Residential
Rate 1

	Existing			Proposed			\$ Increase	% Increase	Increase Demand	Increase Energy	Increase Cust
	Billing Determinants	Current	Annualized	Billing Determinants	Rate	Annualized					
		Rate	Revenues		Rate	Revenues					
Customer Charge	339,972	\$5.00	\$1,699,860	339,972	\$5.00	\$1,699,860	\$0	0.00%			\$0
Energy charge per kWh	422,197,846	\$0.06271	26,476,027	422,197,846	\$0.06666	28,142,122	\$1,666,095	6.29%		1,666,095	
Total from base rates			<u>28,175,887</u>			<u>29,841,982</u>	\$1,666,095	5.91%			
Fuel adjustment			3,003,220			3,003,220	\$0	0.00%			
Environmental surcharge			<u>2,184,228</u>			<u>2,184,228</u>	\$0	0.00%			
Total revenues			<u>\$33,363,335</u>			<u>\$35,029,430</u>	\$1,666,095	4.99%			
Average Bill			\$98.14			\$103.04	\$4.90	4.99%			

Schedule 2
Commercial, Small Power & Three-Phase Farm Service
Rate 2

	Existing			Proposed			\$ Increase	% Increase	Increase Demand	Increase Energy	Increase Cust
	Billing Determinants	Current	Annualized	Billing Determinants	Rate	Annualized					
		Rate	Revenues		Rate	Revenues					
Customer Charge	15,863	\$5.00	\$79,315	15,863	\$5.00	\$79,315	\$0	0.00%			\$0
Energy charge per kWh	25,471,569	\$0.06985	1,779,189	25,471,569	\$0.07380	1,879,706	\$100,517	5.65%		100,517	
Total from base rates			<u>1,858,504</u>			<u>1,959,021</u>	\$100,517	5.41%			
Fuel adjustment			177,025			177,025	\$0	0.00%			
Environmental surcharge			<u>151,587</u>			<u>151,587</u>	\$0	0.00%			
Total revenues			<u>\$2,187,116</u>			<u>\$2,287,633</u>	\$100,517	4.60%			
Average Bill			\$137.88			\$144.21	\$6.34	4.60%			

Schedule 2a
Builder
Rate 2a

	Existing			Proposed			\$ Increase	% Increase	Increase Demand	Increase Energy	Increase Cust
	Billing Determinants	Current	Annualized	Billing Determinants	Rate	Annualized					
		Rate	Revenues		Rate	Revenues					
Customer Charge	4,715	\$5.00	\$23,575	4,715	\$5.00	\$23,575	\$0	0.00%			\$0
Energy Charge	2,474,226	\$0.06985	172,825	2,474,226	\$0.07380	182,589	\$9,764	5.65%		9,764	
Total Baseload Charges			\$196,400			\$206,164	\$9,764	4.97%			
Fuel Adjustment			16,650			16,650	\$0	0.00%			
Environmental Surcharge			<u>15,158</u>			<u>15,158</u>	\$0	0.00%			
Total Revenues			<u>\$228,208</u>			<u>\$237,972</u>	\$9,764	4.28%			
Average Bill			\$ 48.40			\$ 50.47	2.07	4.28%			

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006

Schedule 3
Large Power
Rate 3

	Existing			Proposed			\$ Increase	% Increase	
	Billing Determinants	Current	Annualized	Billing Determinants	Rate	Annualized			
		Rate	Revenues		Rate	Revenues			
Customer Charge	1,081	\$0.00	\$ -	1,081	\$0.00	\$0	\$0		\$0
Demand Charge	53,179	\$4.34	230,796	53,179	\$4.34	230,796	\$0	0.00%	\$0
Energy charge per kWh									
0-2500 kWh	2,643,791	\$0.05875	155,323	2,643,791	\$0.06270	165,756	\$10,433	6.72%	10,433
2501-15000	8,134,123	\$0.05430	441,683	8,134,123	\$0.05825	473,762	\$32,099	7.27%	32,099
	4,482,797	\$0.05296	237,409	4,482,797	\$0.05691	255,099	\$17,690	7.45%	17,690
Total from base rates			1,065,211			1,125,433	\$60,222	5.65%	
Fuel adjustment			106,276			106,276	\$0	0.00%	
Environmental surcharge			87,246			87,246	\$0	0.00%	
Total revenues			1,258,733			1,318,955	\$60,222	4.78%	
Average Bill			\$ 1,164.41			\$ 1,220.12	\$ 55.71	4.78%	

Schedule 4
Industrial
Rate 4

	Existing			Proposed			\$ Increase	% Increase	
	Billing Determinants	Current	Annualized	Billing Determinants	Rate	Annualized			
		Rate	Revenues		Rate	Revenues			
Customer Charge	1,225		\$0	1,225	\$0.00	\$0	\$0		\$0
Demand Charge	213,079	\$4.34	\$924,764	213,079	\$4.34	\$924,764	\$0	0.00%	\$0
Energy charge per kWh									
0-10000 kWh	4,118,576	\$0.06228	256,505	4,118,576	\$0.06623	272,758	\$16,253	6.34%	16,253
10001-99999 kWh	7,173,401	\$0.04949	355,012	7,173,401	\$0.05344	383,320	\$28,308	7.97%	28,308
	60,823,463	\$0.04617	2,808,219	60,823,463	\$0.05012	3,048,243	\$240,024	8.55%	240,024
Total from base rates			4,344,500			4,629,085	\$284,585	6.55%	
Fuel adjustment			498,725			498,725	\$0	0.00%	
Environmental surcharge			362,453			362,453	\$0	0.00%	
Total revenues			\$5,205,678			\$5,490,263	\$284,585	5.47%	
Average Bill			\$ 4,249.53			\$ 4,481.85	\$ 232.31	5.47%	

Nolin RECC Billing Analysis
for the 12 months ended September 30, 2006

Schedule 4a
Large Power Service Less than 50 kW

	Existing			Proposed			\$ Increase	% Increase	
	Billing Determinants	Current Rate	Annualized Revenues	Billing Determinants	Rate	Annualized Revenues			
Customer Charge	12		\$0	12	\$0.00	\$0	\$0		\$0
Demand Charge	2,024	\$1.19	\$2,408.00	2,024	\$1.19	\$2,408.00	\$0	0.00%	\$0
<i>Energy Charge</i>									
0-3500 kWh	42,000	\$0.06228	2,616	42,000	\$0.06623	2,782	\$166	6.34%	166
3501-10000 kWh	78,000	\$0.04949	3,860	78,000	\$0.05344	4,168	\$308	7.97%	308
10001-999999 kWh	727,520	\$0.04617	33,590	727,520	\$0.05012	36,461	\$2,871	8.55%	2,871
Total Baseload Charges			<u>\$42,474</u>			<u>\$45,818</u>	\$3,345	7.87%	
Fuel adjustment			6,059			6,059	\$0	0.00%	
Environmental surcharge			3,302			3,302	\$0	0.00%	
Total Revenues			<u>\$51,835</u>			<u>\$55,179</u>	\$3,345	6.45%	
Average Bill			\$ 4,319.55			\$ 4,598.26	278.71	6.45%	

Schedule 10
Industrial 5,000 - 9,999 kW

	Existing			Proposed			\$ Increase	% Increase	
	Billing Determinants	Current Rate	Annualized Revenues	Billing Determinants	Rate	Annualized Revenues			
Customer Charge	12	\$1,069.00	\$12,828	12	\$1,069	\$12,828	\$0	0.00%	\$0
Demand charge									
Contract	84,259	\$5.39	\$454,154	84,259	\$7.29	614,245	\$160,091	35.25%	\$160,091
Excess Demand		\$7.82			\$9.72				\$0
Energy Charge	49,962,900	\$0.03477	1,737,210	49,962,900	\$0.03477	1,737,210	\$0	0.00%	
Total Baseload Charges			<u>\$2,204,192</u>			<u>\$2,364,283</u>	\$160,091	7.26%	
Fuel adjustment			349,635			349,635	\$0	0.00%	
Environmental surcharge			187,162			187,162	\$0	0.00%	
Revenues			<u>\$2,740,989</u>			<u>\$2,901,080</u>	\$160,091	5.84%	
Average Bill			\$ 228,415.75			\$ 241,756.70	13,340.95	5.84%	

Schedule 11
Industrial - Over 10,000 kW

	Existing			Proposed			\$ Increase	% Increase	
	Billing Determinants	Current Rate	Annualized Revenues	Billing Determinants	Rate	Annualized Revenues			
Customer Charge	12	\$1,069.00	\$12,828	12	\$1,069	\$12,828	\$0	0.00%	\$0
Demand Charge	233,950	\$5.39	\$1,260,991	233,950	\$6.92	1,618,935	\$357,944	28.39%	\$357,944
Energy Charge	146,386,900	\$0.02806	4,107,616	146,386,900	\$0.02806	4,107,616	\$0	0.00%	
Total Baseload Charges			<u>\$5,381,435</u>			<u>\$5,739,379</u>	\$357,944	6.65%	
Fuel adjustment			1,063,634			1,063,634	\$0	0.00%	
Environmental surcharge			491,893			491,893	\$0	0.00%	
Total Revenues			<u>\$6,936,962</u>			<u>\$7,294,906</u>	\$357,944	5.16%	
Average Bill			\$ 578,080			\$ 607,909	29,828.64	5.16%	

KWh
Non-Dem
546,590,117

Total Incr 2,675,012
Dem Incr 518,035
Cust Incr -
Energy Incr 2,156,977

Ener Rate 0.003946242

\$52,775,485

\$55,450,497
\$2,675,012

518,035 2,124,528

Parts 2,675,012 Diff -

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006

Street Lighting and Security Lights
Outdoor Lighting

	Existing			Proposed			\$ Increase	% Increase
	Billing Determinants	Current	Annualized	Billing Determinants	Rate	Annualized		
		Rate	Revenues		Rate	Revenues		
SL 100 W HPS 6.87	80,619	\$6.87	\$553,852.53	80,619	\$7.17	577,713	23,861	4.31%
SL 400W HPS 10.64	180	\$10.64	\$1,915.20	180	\$10.68	1,923	8	0.39%
DFL 100 W HPS EP 6.02	496	\$6.02	\$2,985.92	496	\$6.19	3,072	86	2.88%
DFL 250 W HPS EP 10.13	1,248	\$10.13	\$12,642.24	1,248	\$10.60	13,233	591	4.67%
DFL 400W HPS EP 13.55	2,803	\$13.55	\$37,980.65	2,803	\$14.29	40,060	2,080	5.48%
DFL 400W UG 14.67	36	\$14.67	\$528.12	36	\$15.41	555	27	5.06%
SL CITY WP 100 W 5.58	10,058	\$5.58	\$56,123.64	10,058	\$5.78	58,108	1,985	3.54%
SL CITY WP 175W 3.26	6,972	\$3.26	\$22,728.72	6,972	\$3.56	24,792	2,063	9.08%
SL CITY WP 400W 9.81	552	\$9.81	\$5,415.12	552	\$10.48	5,785	370	6.84%
SL CITY WP 250W 8.20	1	\$8.20	\$8.20	1	\$8.61	9	0	5.05%
SL WP 250W HPS 8.20	468	\$8.20	\$3,837.60	468	\$8.61	4,032	194	5.05%
LT 100W UG 9.44	1,026	\$9.44	\$9,685.44	1,026	\$9.61	9,864	178	1.84%
25 FT WP OH 1.98	230	\$1.98	\$455.40	230	\$1.98	455	-	0.00%
30 FT WP OH 2.29	852	\$2.29	\$1,951.08	852	\$2.29	1,951	-	0.00%
25 FT WP UG 2.77	12	\$2.77	\$33.24	12	\$2.77	33	-	0.00%
TEMP MTR POLES	2,797	\$20.00	\$55,940.00	2,797	\$20.00	55,940	-	0.00%
30 FGP UG 8.56	72	\$8.56	\$616.32	72	\$8.56	616	-	0.00%
30 FT WP UG 3.08	24	\$3.08	\$73.92	24	\$3.08	74	-	0.00%
SL ORN A-POLE 15.31	408	\$15.31	\$6,246.48	408	\$15.72	6,416	169	2.71%
SL ORN-A-POLE 17.26	36	\$17.26	\$621.36	36	\$17.83	642	21	3.32%
SL ORN UG 400W 20.30	1,428	\$20.30	\$28,988.40	1,428	\$20.87	29,806	817	2.82%
	110,318		\$802,629.58	110,318		835,079	32,449	4.04%
8,500 MV Initial Lumens per lamp		\$4.34			\$4.64		\$0.29	
23,000 MV Initial Lumens per lamp		\$10.95			\$11.62			
9,500 HPS Initial Lumens per lamp		\$13.24			\$13.44			

NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION

PSC CASE NO. 2006-00484

FIRST DATA REQUEST RESPONSE

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

REQUEST 2

RESPONSIBLE PERSON: William A. Bosta

COMPANY: Nolin 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, Nolin 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 Nolin agree that KRS 278.455(2) and 807 KAR 5:007, 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 Nolin 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.

**Request 2a
Attachment
Page 1 of 2**

The present and proposed rates structures of Nolin RECC Corporation are listed below:

<u>Schedule</u>	<u>Rate Class</u>	<u>EKPC Rate Schedule</u>	<u>Present</u>	<u>Proposed</u>
1	Residential, Farm, Non-Farm, Trailers & Mobile Homes	E-2		
	Customer Charge per month		\$5.00	\$5.00
	Energy Charge per kwh		\$0.06271	\$0.06666
2	Commercial, Small Power, Single Phase & Three Phase Service	E-2		
	Customer Charge per month		\$5.00	\$5.00
	Energy Charge per kwh		\$0.06985	\$0.07380
3	Large Power	E-2		
	Demand Charge per KW		\$4.34	\$4.34
	Energy Charge per kwh for First 2,500 kWh		\$0.05875	\$0.06270
	Energy Charge per kwh for Next 12,500 kWh		\$0.05430	\$0.05825
	Energy Charge per kwh for Over 15,000 kWh		\$0.05296	\$0.05691
4	Industrial	E-2		
	Demand Charge per KW		\$4.34	\$4.34
	Energy Charge per kwh for First 2,500 kWh		\$0.06228	\$0.06623
	Energy Charge per kwh for Next 6,500 kWh		\$0.04949	\$0.05344
	Energy Charge per kwh for Over 10,000 kWh		\$0.04617	\$0.05012
4a	Large Power (less than 50 KW)	E-2		
	Demand Charge per KW		\$1.19	\$1.19
	Energy Charge per kwh for First 2,500 kWh		\$0.06228	\$0.06623
	Energy Charge per kwh for Next 12,500 kWh		\$0.04949	\$0.05344
	Energy Charge per kwh for Over 15,000 kWh		\$0.04617	\$0.05012
5	Security Lights	E-2		
	Mercury Vapor 175 Watt per lamp		\$6.87	\$7.17
	HPS 100 Watt per lamp		\$6.87	\$7.17
	Directional Floodlight 100 Watt per lamp		\$6.87	\$7.17
	Directional Floodlight 100 Watt per lamp		\$6.02	\$6.19
	Directional Floodlight 250 Watt per lamp		\$10.13	\$10.60
	Directional Floodlight 400 Watt per lamp		\$13.55	\$14.29
	Lantern Type 100 Watt HPS per lamp		\$9.44	\$9.61
	Contemporary 400 Watt HPS per lamp		\$14.67	\$15.41
	Thirty-Foot Fiberglass Pole per month		\$8.56	\$8.56
	Twenty-Five Foot Wood Pole per month		\$1.98	\$1.98
	Thirty Foot Wood Pole per month		\$2.29	\$2.29
	Twenty-five Foot Wood Pole per month		\$2.77	\$2.77
	Thirty Foot Wood Pole per month		\$3.08	\$3.08
6	Street Lighting	E-2		
	Standard Overhead Lighting (Wood Pole)			
	8,500 MV Initial Lumens per lamp		\$3.26	\$3.56
	23,000 MV Initial Lumens per lamp		\$9.81	\$10.48
	9,500 HPS Initial Lumens per lamp		\$5.58	\$5.78
	27,500 HPS Initial Lumens per lamp		\$8.20	\$8.61
	50,000 HPS Initial Lumens per lamp		\$10.64	\$10.68
	Ornamental Service Overhead (Aluminum			

**Request 2a
Attachment
Page 2 of 2**

			8,500 MV Initial Lumens per lamp	\$4.34	\$4.64
			23,000 MV Initial Lumens per lamp	\$10.95	\$11.62
			9,500 HPS Initial Lumens per lamp	\$13.24	\$13.44
			27,500 HPS Initial Lumens per lamp	\$15.31	\$15.72
			50,000 HPS Initial Lumens per lamp	\$17.26	\$17.83
			Ornamental Service Underground (Fiberglass Poles)		
			50,000 HPS Initial Lumens per lamp	\$20.30	\$20.87
7	Industrial	E-2			
			Demand Charge per KW	\$7.92	\$7.92
			Energy Charge per kwh	\$0.04159	\$0.04554
8	Seasonal Time of Day	E-2			
			Demand Charge per KW	\$7.82	\$7.82
			Energy Charge per kwh	\$0.04159	\$0.04554
9	Industrial	B			
			Consumer Charge (Substation Required) per month	\$1,069.00	\$1,069.00
			Consumer Charge (No Substation Required) month	\$535.00	\$535.00
			Demand Charge Contract Demand per KW	\$5.39	\$7.29
			Demand Charge Excess Demand per KW	\$7.82	\$9.72
			Energy Charge per kwh	\$0.03977	\$0.03977
10	Industrial	B			
			Consumer Charge per month	\$1,069.00	\$1,069.00
			Demand Charge Contract Demand per KW	\$5.39	\$7.29
			Demand Charge Excess Demand per KW	\$7.82	\$9.72
			Energy Charge per kwh	\$0.03477	\$0.03477
11	Industrial	B			
			Consumer Charge per month	\$1,069.00	\$1,069.00
			Demand Charge Contract Demand per KW	\$5.39	\$7.29
			Demand Charge Excess Demand per KW	\$7.82	\$9.72
			Energy Charge per kwh	\$0.03377	\$0.03377
12	Industrial C	C			
			Consumer Charge (Substation Required)	\$1,069.00	\$1,069.00
			Consumer Charge (No Substation Required)	\$535.00	\$535.00
			Demand Charge Contract Demand per KW	\$5.39	\$7.29
			Energy Charge per kwh	\$0.03977	\$0.03977
13	Industrial C	C			
			Consumer Charge per month	\$1,069.00	\$1,069.00
			Demand Charge Contract Demand per KW	\$5.39	\$7.29
			Energy Charge per kwh	\$0.03477	\$0.03477
14	Industrial C	C			
			Consumer Charge per month	\$1,069.00	\$1,069.00
			Demand Charge Contract Demand per KW	\$5.39	\$7.29
			Energy Charge per kwh	\$0.03377	\$0.03377
15	Special Contract	C			
			Consumer Charge per month	\$1,069.00	\$1,069.00
			Demand Charge per KW	\$5.39	\$6.92
			Energy Charge per kwh	\$0.02806	\$0.02806
			Renewable Resource Power Service	\$0.0275/kWh	\$0.0275/kWh



NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION

PSC CASE NO. 2006-00484

FIRST DATA REQUEST RESPONSE

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

REQUEST 3

RESPONSIBLE PERSON: William A. Bosta

COMPANY: Nolin Rural Electric Cooperative Corporation

Request 3. Refer to Exhibit III of the Application.

Request 3a. Prepare the following comparative analyses of Nolin'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 Nolin'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.

Nolin
Billing Analysis
for the 12 months ended September 30, 2006

	Existing <u>Total</u>	Proposed <u>Total</u>	<u>\$ Increase</u>	<u>% Increase</u>	Present Revenue <u>% Total</u>	Proposed Revenue <u>% Total</u>
Residential	33,363,335	35,029,430	1,666,095	4.99%	63.22%	63.17%
Residential, Farm and Non-Farm Service Builder	2,187,116 228,208	2,287,633 237,972	100,517 9,764	4.60% 4.28%	4.14% 0.43%	4.13% 0.43%
Commercial, Small Power & Three-Phase Farm Service Industrial	1,258,733 5,205,678	1,318,955 5,490,263	60,222 284,585	4.78% 5.47%	2.39% 9.86%	2.38% 9.90%
Large Power Service Less than 50 kW Industrial 5,000 - 9,999 kW Industrial - Over 10,000 kw	51,835 2,740,989 6,936,962	55,179 2,901,080 7,294,906	3,344 160,091 357,944	6.45% 5.84% 5.16%	0.10% 5.19% 13.14%	0.10% 5.23% 13.16%
Street Lighting and Security Lights	802,630	835,079	32,449	4.04%	1.52%	1.51%
	<hr/> 52,775,485	<hr/> 55,450,497	<hr/> 2,675,013	<hr/> 5.07%	<hr/> 100.00%	<hr/> 100.00%

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006

Schedule 1
Residential

Rate 1

	Existing			Proposed			\$ Increase	% Increase	Present Percent Revenue	Proposed Percent Revenue
	Billing Determinants	Current Rate	Annualized Revenues	Billing Determinants	Rate	Annualized Revenues				
	Customer Charge	339,972	\$5.00	\$1,699,860	339,972	\$5.00				
Energy charge per kWh	422,197,846	\$0.06271	26,476,027	422,197,846	\$0.06650	28,075,260	\$1,599,233	6.04%	93.97%	94.29%
Total from base rates			28,175,887			29,775,120	\$1,599,233	5.68%	100.00%	100.00%
Fuel adjustment			3,003,220			3,003,220	\$0	0.00%		
Environmental surcharge			2,184,228			2,184,228	\$0	0.00%		
Total revenues			\$33,363,335			\$34,962,568	\$1,599,233	4.79%		
Average Bill			\$96.14			\$102.84	\$4.70	4.79%		

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006

Schedule 2
Residential, Farm and Non-Farm Service

Rate 2

	Existing			Proposed			\$ Increase	% Increase	Present Percent Revenue	Proposed Percent Revenue
	Billing Determinants	Current Rate	Annualized Revenues	Billing Determinants	Rate	Annualized Revenues				
	Customer Charge	15,863	\$5.00	\$79,315	15,863	\$5.00				
Energy charge per kWh	25,471,569	\$0.06985	1,779,189	25,471,569	\$0.07364	1,875,672	\$96,483	5.42%	95.73%	95.94%
Total from base rates			1,858,504			1,954,987	\$96,483	5.19%	100.00%	100.00%
Fuel adjustment			177,025			177,025	\$0	0.00%		
Environmental surcharge			151,587			151,587	\$0	0.00%		
Total revenues			\$2,187,116			\$2,283,599	\$96,483	4.41%		
Average Bill			\$137.88			\$143.96	\$6.08	4.41%		

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006

Schedule 2a

Builder

Rate 2a

	Existing			Proposed			\$ Increase	% Increase	Present Percent Revenue	Proposed Percent Revenue
	Billing Determinants	Current Rate	Annualized Revenues	Billing Determinants	Rate	Annualized Revenues				
	Customer Charge	4,715	\$5.00	\$23,575	4,715	\$5.00				
Energy Charge	2,474,226	\$0.06985	172,825	2,474,226	\$0.07364	182,197	\$9,372	5.42%	88.00%	88.54%
Total Baseload Charges			\$196,400			\$205,772	\$9,372	4.77%	100.00%	100.00%
Fuel Adjustment			16,650			16,650	\$0	0.00%		
Environmental Surcharge			15,158			15,158	\$0	0.00%		
Revenues			\$228,208			\$237,580	\$9,372	4.11%		
Average Bill			\$ 48.40			\$ 50.39	1.99	4.11%		

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006

Schedule 3
Commercial, Small Power & Three-Phase Farm Service
Rate 3

	Existing			Proposed			\$ Increase	% Increase		
	Billing	Current	Annualized	Billing	Rate	Annualized				
	Determinants	Rate	Revenues	Determinants	Rate	Revenues				
Customer Charge	1,081	\$0.00	\$ -	1,081	\$0.00	\$0	\$0	#DIV/0!	0.00%	0.00%
Demand Charge	53,179	\$4.34	230,796	53,179	\$4.34	230,796	\$0	#DIV/0!	21.67%	20.55%
Energy charge per kWh							\$0	#DIV/0!		
0-2500 kWh	2,643,791	\$0.05875	155,323	2,643,791	\$0.06254	165,337	\$10,014	6.45%	14.58%	14.72%
2501-15000	8,134,123	\$0.05430	441,683	8,134,123	\$0.05809	472,494	\$30,811	6.98%	41.46%	42.07%
	4,482,797	\$0.05296	237,409	4,482,797	\$0.05675	254,389	\$16,980	7.15%	22.29%	22.65%
Total from base rates			1,065,211			1,123,016	\$57,806	5.43%	100.00%	100.00%
Fuel adjustment			106,276			106,276	\$0	0.00%		
Environmental surcharge			87,246			87,246	\$0	0.00%		
Total revenues			1,258,733			1,316,538	\$57,806	4.59%		
Average Bill			\$ 1,164.41			\$ 1,217.89	\$ 53.47	4.59%		

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006

Schedule 4
Industrial
Rate 4

	Existing			Proposed			\$ Increase	% Increase		
	Billing	Current	Annualized	Billing	Rate	Annualized				
	Determinants	Rate	Revenues	Determinants	Rate	Revenues				
Customer Charge	1,225		\$0	1,225	\$0.00	\$0	\$0	#DIV/0!	0.00%	0.00%
Demand Charge	213,079	\$4.34	\$924,764	213,079	\$4.34	\$924,764	\$0	0.00%	21.29%	20.03%
Energy charge per kWh							\$0	#DIV/0!		
0-3500 kWh	4,118,576	\$0.06228	256,505	4,118,576	\$0.06607	272,106	\$15,601	6.08%	5.90%	5.89%
3501-10000 kWh	7,173,401	\$0.04949	355,012	7,173,401	\$0.05328	382,184	\$27,172	7.65%	8.17%	8.28%
10001-999999 kWh	60,823,463	\$0.04617	2,808,219	60,823,463	\$0.04996	3,038,611	\$230,392	8.20%	64.64%	65.80%
Total from base rates			4,344,500			4,617,664	\$273,164	6.29%	100.00%	100.00%
Fuel adjustment			498,725			498,725	\$0	0.00%		
Environmental surcharge			362,453			362,453	\$0	0.00%		
Total revenues			\$5,205,678			\$5,478,842	\$273,164	5.25%		
Average Bill			\$ 4,249.53			\$ 4,472.52	\$ 222.99	5.25%		

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006

Schedule 4a
Large Power Service Less than 50 kW
Rate 4a

	Existing			Proposed			\$ Increase	% Increase		
	Billing	Current	Annualized	Billing	Rate	Annualized				
	Determinants	Rate	Revenues	Determinants	Rate	Revenues				
Customer Charge	12		\$0	12	\$0.00	\$0	\$0	#DIV/0!	0.00%	0.00%
Demand Charge	2,024	\$1.19	\$2,408.00	2,024	\$1.19	\$2,408.00	\$0	0.00%	5.67%	5.27%
Energy Charge							\$0	#DIV/0!		
0-3500 kWh	42,000	\$0.06228	2,616	42,000	\$0.06607	2,775	\$159	6.08%	6.16%	6.07%
3501-10000 kWh	78,000	\$0.04949	3,860	78,000	\$0.05328	4,156	\$295	7.65%	9.09%	9.10%
10001-999999 kWh	727,520	\$0.04617	33,590	727,520	\$0.04996	36,345	\$2,756	8.20%	79.08%	79.56%
Total Baseload Charges			\$42,474			\$45,684	\$3,210	7.56%	100.00%	100.00%
Fuel adjustment			6,059			6,059	\$0	0.00%		
Environmental surcharge			3,302			3,302	\$0	0.00%		
Total Revenues			\$51,835			\$55,045	\$3,210	6.19%		
Average Bill			\$ 4,319.55			\$ 4,587.07	267.53	6.19%		

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006

Schedule 10
Industrial 5,000 - 9,999 kW
Rate 10

	Existing			Proposed			\$ Increase	% Increase		
	Billing	Current	Annualized	Billing	Rate	Annualized				
	Determinants	Rate	Revenues	Determinants	Rate	Revenues				
Customer Charge	12	\$1,069.00	\$12,828	12	\$1,069	\$12,828	\$0	0.00%	0.58%	0.54%
Demand charge							\$0	#DIV/0!		
Contract	84,259	\$5.39	\$454,154	84,259	\$7.29	614,245	\$160,091	35.25%	20.60%	25.98%
Excess Demand		\$7.82			\$9.72	-	\$0	#DIV/0!		
Energy Charge	49,962,900	\$0.03477	1,737,210	49,962,900	\$0.03477	1,737,210	\$0	0.00%	78.81%	73.48%
Total Baseload Charges			\$2,204,192			\$2,364,283	\$160,091	7.26%	100.00%	100.00%
Fuel adjustment			349,635			349,635	\$0	0.00%		
Environmental surcharge			187,162			187,162	\$0	0.00%		
Total Revenues			\$2,740,989			\$2,901,080	\$160,091	5.84%		
Average Bill			\$ 228,415.75			\$ 241,756.70	13,340.95	5.84%		

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006

Schedule 11
Industrial - Over 10,000 kw
Rate 11

	Existing			Proposed			\$ Increase	% Increase		
	Billing Determinants	Current Rate	Annualized Revenues	Billing Determinants	Rate	Annualized Revenues				
	Customer Charge	12	\$1,069.00	\$12,828	12	\$1,069				
Demand Charge	233,950	\$5.39	\$1,260,991	233,950	\$7.29	1,705,496	\$444,505	35.25%	23.43%	29.27%
Energy Charge	146,386,900	\$0.02806	4,107,616	146,386,900	\$0.02806	4,107,616	\$0	0.00%	76.33%	70.51%
Total Baseload Charges			\$5,381,435			\$5,825,941	\$444,505	8.26%	100.00%	100.00%
Fuel adjustment			1,063,634			1,063,634	\$0	0.00%		
Environmental surcharge			491,893			491,893	\$0	0.00%		
Total Revenues			\$6,936,962			\$7,381,468	\$444,505	6.41%		
Average Bill			\$ 578,080			\$ 615,122	37,042.10	6.41%		

Nolin RECC
Billing Analysis
for the 12 months ended September 30, 2006
Street Lighting and Security Lights
Outdoor Lighting

kWh	Existing				Proposed				% of Total	% Increase	
	Billing Determinants	Total kWh	Current Rate	Annualized Revenues	Billing Determinants	Total kWh	Rate	Annualized Revenues			
75	80,619	6,046,425	\$6.87	\$553,852.53	80,619	6,046,425	\$7.15	576,756	69.17%	22,903	4.14%
145	180	1,915	\$10.64	\$1,915.20	180	1,915	\$10.68	1,922	0.23%	7	0.38%
44	496	21,824	\$6.02	\$2,985.92	496	21,824	\$6.19	3,069	0.37%	83	2.77%
120	1,248	149,760	\$10.13	\$12,642.24	1,248	149,760	\$10.58	13,210	1.58%	567	4.49%
188	2,803	526,964	\$13.55	\$37,980.65	2,803	526,964	\$14.26	39,977	4.79%	1,996	5.26%
188	36	6,768	\$14.67	\$528.12	36	6,768	\$15.38	554	0.07%	28	4.85%
50	10,058	502,900	\$5.58	\$56,123.64	10,058	502,900	\$5.77	58,029	6.96%	1,905	3.39%
75	6,972	522,900	\$3.26	\$22,728.72	6,972	522,900	\$3.54	24,709	2.96%	1,981	8.71%
170	552	93,840	\$9.81	\$5,415.12	552	93,840	\$10.45	5,771	0.69%	355	6.56%
105	1	105	\$8.20	\$8.20	1	105	\$8.60	9	0.00%	0	4.85%
105	468	49,140	\$8.20	\$3,837.60	468	49,140	\$8.60	4,024	0.48%	186	4.85%
44	1,026	45,144	\$9.44	\$9,685.44	1,026	45,144	\$9.61	9,856	1.18%	171	1.77%
	230	0	\$1.98	\$455.40	230	0	\$1.98	455	0.05%	0	0.00%
	852	0	\$2.29	\$1,951.08	852	0	\$2.29	1,951	0.23%	0	0.00%
	12	0	\$2.77	\$33.24	12	0	\$2.77	33	0.00%	0	0.00%
	2,797	0	\$20.00	\$55,940.00	2,797	0	\$20.00	55,940	6.71%	0	0.00%
	72	0	\$8.56	\$616.32	72	0	\$8.56	616	0.07%	0	0.00%
	24	0	\$3.08	\$73.92	24	0	\$3.08	74	0.01%	0	0.00%
105	408	42,840	\$15.31	\$6,246.48	408	42,840	\$15.71	6,409	0.77%	162	2.60%
145	36	5,220	\$17.26	\$621.36	36	5,220	\$17.81	641	0.08%	20	3.18%
145	1,428	207,060	\$20.30	\$28,988.40	1,428	207,060	\$20.85	29,773	3.57%	784	2.71%
	110,318	8,222,805		\$802,629.58	110,318	8,222,805		833,777	100.00%	31,147	3.88%

Analysis of Wholesale to Retail Proportionality

	Retail
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	Wholesale
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	Existing	Proposed	Change	Existing	Proposed	Change
I Customer Charge						
Metering Point Charge	\$125/Mo.	\$125/Mo.	\$ -	\$5.00/Mo	\$5.00/Mo	\$ -
Substation at less than 3 MVA	\$944/Mo.	\$944/Mo.	\$ -	\$5.00/Mo	\$5.00/Mo	\$ -
Customer Charge 1 Residential						
Customer Charge 1 Residential						
II Demand Charge						
B&C Demand Charge (\$/kW)	\$5.39	\$7.29	\$1.90	\$5.39	\$7.29	\$1.90
Industrial Rate (\$/kW)						

III Energy Charge

The non-industrial wholesale increase was based on the dollar amount remaining to be recovered at wholesale, divided by kWh.

The non-industrial retail increase was based on the dollar amount remaining to be recovered at retail, divided by kWh.

NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION

PSC CASE NO. 2006-00484

FIRST DATA REQUEST RESPONSE

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

REQUEST 4

RESPONSIBLE PERSON: William A. Bosta

COMPANY: Nolin Rural Electric Cooperative Corporation

Request 4. Refer to Exhibit III of the Application. For each type of street light and/or outdoor light included in the billing analysis, provide the following information:

Request 4a. The assigned or estimated kWh usage per light for each light that is not separately metered.

Request 4b. The number of lights.

Response 4a-b. Please see page 2.

<u>Light Description</u>	4(a) <u>kWh</u>	4(b) <u>Number of Lights</u>
SL 100 W HPS 6.87	75	80,619
SL 400W HPS 10.64	145	180
DFL 100 W HPS EP 6.02	44	496
DFL 250 W HPS EP 10.13	120	1,248
DFL 400W HPS EP 13.55	188	2,803
DFL 400W UG 14.67	188	36
SL CITY WP 100 W 5.58	50	10,058
SL CITY WP 175W 3.26	75	6,972
SL CITY WP 400W 9.81	170	552
SL CITY WP 250W 8.20	105	1
SL WP 250W HPS 8.20	105	468
LT 100W UG 9.44	44	1,026
SL ORN A-POLE 15.31	105	408
SL ORN-A-POLE 17.26	145	36
SL ORN UG 400W 20.30	145	1,428
		110,318