RECEIVED

WHITLOW & SCOTT

ATTORNEYS AT LAW 108 EAST POPLAR STREET P.O. BOX 389 ELIZABETHTOWN, KENTUCKY 42702-0389

> TELEPHONE 270-765-2179 FAX 270-765-2180 March 14, 2007

MAR 2 1 2007

PUBLIC SERVICE COMMISSION

LINCOLN SQUARE Hodgenville, kentucky 42748 270-358-4344

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

MAR 2 1 2007

PUBLIC SERVICE COMMISSION

Re: PSC Case No. 2006-00484

Dear Ms. O'Donnell:

JAMES T. WHITLOW

BENJAMIN J. HUMPHRIES

JOHN J. SCOTT

Please find enclosed for filing with the Public Service Commission in the abovereferenced 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 WHOLESALE POWER SUPPLIER PURSUANT TO KRS 278.455(2)

CASE NO. 2006-00484

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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. .

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PSC Request 1 Page 1 of 2

NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION PSC CASE NO. 2006-00484 FIRST DATA REQUEST RESPONSE

COMMISSION STAFF'S FIRST DATA REQUEST DATED 3/12/07REQUEST 1RESPONSIBLE PERSON:William A. BostaCOMPANY:Nolin Rural Electric Cooperative Corporation

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

<u>Request 1a.</u> 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.

<u>Request 1b.</u> 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.

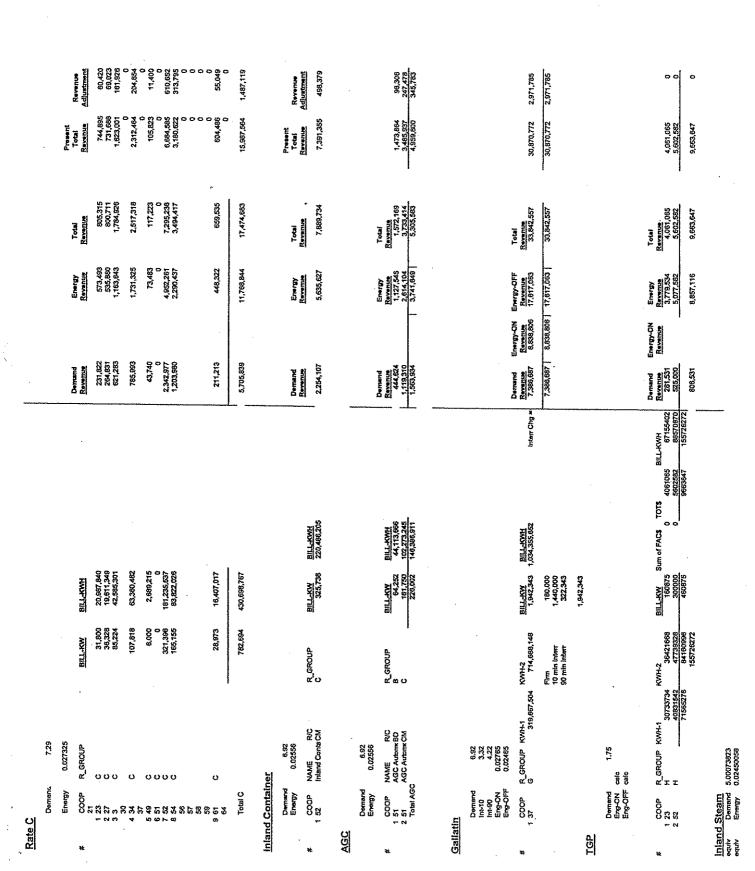
Request 1a Attachment Page 1 of 3

EXHIBIT I Page 3 of 7

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Request 1a Attachment Page 2 of 3

EXHIBIT I Page 4 of 7



Request 1a Attachment Page 3 of 3

EXHIBIT I Page 5 of 7

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9.332,384

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Total <u>Revenue</u>

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205 205 2014 \$ Mbtu 295994 \$ Mbtu

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Efficiency Heat Rate Mbtu Mbtu

Load Center - Normalized

Request 1b Attachment Page 1 of 5

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	2,187,116	2,287,633	100,517	4.60%
Builder	228,208	237,972	9,764	4.28%
Commercial, Small Power & Three-Phase Farm Service	1,258,733	1,318,955	60,222	4.78%
Industrial	5,205,678	5,490,263	284,585	5.47%
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

0,010

5.07%

Request 1b Attachment Page 2 of 5

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	for the	Nolin REC Billing Analy 12 months ended Se	sis					Demand= Load Cntr=		Page 2 of 5 1 1
	Existing Billing Curren Determinants Rate			Proposed Rate	Annualized Revenues	\$ Increase	% Increase	Increase Demand	increase Energy	Increase Cust
Customer Charge	339,972 \$5.0	0 \$1,699,860	339,972	\$5.00	\$1,699,860	\$0	0.00%			\$0
Energy charge per kWh	422,197,846 \$0.0627	1 26,476,027	422,197,846	\$0:06666	28,142,122	\$1,666,095	6.29%		1,666,0	95
Total from base rates		28,175,887		-	29,841,982	\$1,666,095	5.91%			
Fuel adjustment Environmental surcharge		3,003,220 2,184,228		•	3,003,220 2,184,228	\$0 \$0	0.00% 0.00%			
Total revenues		\$33,363,335			\$35,029,430	\$1,666,095	4.99%			
Average Bill		\$98.14			\$103.04	\$4.90	4.99%			
	Commerci	Schedule al, Small Power & Thr Rate 2	2 ee-Phase Farm Ser	viçe						
	Existin Billing Curren Determinants Rate		Billing Determ(nants	Proposed Rate	Annualized Revenues	\$ Increase	% Increase			
Customer Charge	15,863 \$5.0	00 \$79,315	15,863	\$5.00	\$79,315	\$0	0.00%			\$0
Energy charge per kWh	25,471,569 \$0.069	35 1,779,189	25,471,569	\$0.07380	1,879,706	\$100,517	5.65%		100,5	517
Total from base rates		1,858,504			1,959,021	\$100,517	5.41%			
Fuel adjustment Environmental surcharge		177,025 151,587			177,025 151,687	\$0 \$0	0.00% 0.00%			
Total revenues		\$2,187,116		:	\$2,287,633	\$100,517	4.60%			
age Bill		\$137.88			\$144.21	\$6.34	4.60%			
		Schedule . Builder Rate 2a								
	Existin	g		Proposed		\$ Increase	% increase			
	Billing <u>Currer</u> Determinants Rate		Billing Determinants	Rate	Annualized Revenues					
Customer Charge	4,715 \$5.	00 \$23,575	4,715	\$5.00	\$23,575	\$O	0.00%			\$0
Energy Charge	2,474,226 \$0.069	85172,825	2,474,226	\$0.07380	182,589	\$9,764	5.65%		9,5	764
Total Baseload Charges		\$196,400			\$206,164	\$9,764	4.97%			
Fuel Adjustment Environmental Surcharge		16,650 15,168			16,650 15,158	\$0 \$0	0.00% 0.00%			
Total Revenues		\$228,208			\$237,972	\$9,764	4.28%			
Average Bill		\$ 48.40			\$ 50.47	2.07	4.28%			

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

			Schedule : Large Powe Rate 3								
		Existing			Proposed		\$ Increase	% Increase			
	Billing Determinants	Current Rate	Annualized Revenues	Billing Determinants	Rate	Annualized 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 2501-15000	2,643,791 8,134,123 4,482,797	\$0.05875 \$0.05430 \$0.05296	155,323 441,683 237,409	2,643,791 8,134,123 4,482,797	\$0.06270 \$0.05825 \$0.05691	165,756 473,782 255,099	\$10,433 \$32,099 \$17,690	6,72% 7.27% 7.45%		10,433 32,099 17,690	
Total from base rates			1,065,211			1,125,433	\$60,222	5.65%			
Fuel adjustment Environmental surcharge			106,276 87,246			106,276 87,246	\$0 \$0	0,00% 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 Industria Rate 4					~			
		Existing			Proposed		\$ Increase	% Increase			
	Billing Determinants	Current Rate	Annualized Revenues	Billing Determinants	Rate	Annualized 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		
γý charge per kWh ∵0 kWh , _ ₊-10000 kWh 10001-999999 kWh	4,118,576 7,173,401 60,823,463	\$0.06228 \$0.04949 \$0.04617	256,505 355,012 2,808,219	4,118,576 7,173,401 60,823,463	\$0.05344	272,758 383,320 3,048,243	\$16,253 \$28,308 \$240,024	6.34% 7.97% 8.55%		16,253 28,308 240,024	
Total from base rates			4,344,500			4,629,085	\$284,585	6.55%			
Fuel adjustment Environmental surcharge			498,725 362,453			498,725 362,453	\$0 \$0	0.00% 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%			

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

Schedule 4a

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н		Large	Power Service Le							
	Г	Existing		[Proposed		\$ Increase	% Increase		
	Billing	Current	Annualized	Billing		Annualized	1			
	Determinants	Rate	Revenues	Determinants	Rate	Revenues				
Customer Charge	12		\$0	12	\$0.00	\$0	\$0			
Demand Charge	2,024	\$1.19	\$2,408.00	2,024	\$1.19	\$2,408.00	\$0	0.00%	\$0	
Energy Charge 0-3500 kWh	42,000	\$0.06228	2,616	42,000	\$0.06623	2,782	\$166	6.34%		156
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			\$42,474			\$45,818	\$3,345	7.87%		
Fuel adjustment Environmental surcharge			6,059 3,302			6,059 3,302	\$0 \$0	0.00% 0.00%		
Total Revenues			\$51,835			\$55,179	\$3,345	6.45%		
Average Bill		I	\$ 4,319.55			\$ 4,598.26	278.71	6.45%		
			Schedule							
	r	Exisling	Industrial 5,000 -	9,9 <u>99 kW</u>	Proposed		\$ Increase	% Increase		
	Billing	Current	Annualized	Billing	TTOPOSCO	Annualized	WHICE BODE	10 morease		
	Determinants	Rate	Revenues	Determinants	Rate	Revenues				
Customer Charge	12	\$1,069.00	\$12,828	12	\$1,069	\$12,828	\$0	0.00%		
Demand charge										
Contract Excess Demand	84,259	\$5.39 \$7.82	\$454,154	84,259	\$7.29 \$9.72	614,245	\$160,091	35.25%	\$160,091 \$0	
Energy Charge		01.02			40,12				Ç.	
	49,962,900	\$0.03477	1,737,210	49,962,900	\$0.03477	1,737,210	\$0	0.00%		-
Total Baseload Charges			\$2,204,192			\$2,364,283	\$160.091	7.26%		
Fuel adjustment Environmental surcharge			349,635 187,162			349,635 187,162	\$0 \$0	0,00% 0.00%		
Revenues			\$2,740,989			\$2,901,080	\$160,091	5.64%		
werage Bill			\$ 228,415.75			\$ 241,756.70	13,340.95	5.84%		
			Schedule						·	
	ſ	Existing	Industrial - Over	10,000 kw	Proposed		\$ Increase	% Increase		
	Billing	Current	Annualized	Billing		Annualized				
	Determinants	Rate	Revenues	Determinants	Rate	Revenues				
Customer Charge	12	\$1,069.00	\$12,828	12	\$1,069	\$12,828	\$0	0.00%		
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			\$5,381,435			\$5,739,379	\$357,944	6,65%		
Fuel adjustment Environmental surcharge			1,063,634 491,893			1,063,634 491,893	\$0 \$0	0.00% 0.00%		
Total Revenues			\$6,936,962			\$7,294,906	\$357,944	5.16%		
Average Bill			\$ 578,080			\$ 607,909	29,828.64	5.16%	518,035	2,124,528
									KWh Non-Dem	

\$52,775,485

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

Non-Dem 546,590,117 Total Incr Dem Incr Cust Incr Energy Inv 2,675,012 518,035 2,156,977

Parts 2,675,012 Diff

Ener Rate 0.003946242

Request 1b Atlachment Page 4 of 5

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\$0

\$0

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Request 1b Attachment Page 5 of 5 i.

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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 Rate	Annualized Revenues	Billing Determinants	Rate	Annualized Revenues		
SL 100 W HPS 6.87 SL 400W HPS 10.64 DFL 100 W HPS EP 6.02 DFL 250 W HPS EP 10.13 DFL 400W HPS EP 13.55 DFL 400W UG 14.67 SL CITY WP 100 W 5.58 SL CITY WP 100 W 5.58 SL CITY WP 400W 9.81 SL CITY WP 400W 9.81 SL CITY WP 400W 9.81 SL CITY WP 250W 8.20 SL WP 250W HPS 8.20 LT 100W UG 9.44 25 FT WP OH 1.98 30 FT WP OH 2.29 25 FT WP UG 2.77	80,619 180 496 1,248 2,803 36 10,058 6,972 552 1 468 1,026 230 852 12	\$6.87 \$10.64 \$6.02 \$10.13 \$13.55 \$14.67 \$5.58 \$3.26 \$9.81 \$8.20 \$8.20 \$8.20 \$9.44 \$1.98 \$2.29 \$2.77	\$553,852.53 \$1,915.20 \$2,985.92 \$12,642.24 \$37,980.65 \$528.12 \$56,123.64 \$22,728.72 \$5,415.12 \$8,20 \$3,837.60 \$9,685.44 \$455.40 \$1,951.08 \$33.24	80,619 180 496 1,248 2,803 36 10,058 6,972 552 1 468 1,026 230 852 12	\$7.17 \$10.68 \$6.19 \$10.60 \$14.29 \$15.41 \$5.78 \$3.56 \$10.48 \$8.61 \$8.61 \$9.61 \$1.98 \$2.29 \$2.77	577,713 1,923 3,072 13,233 40,060 555 58,108 24,792 5,785 9 4,032	23,861 8 591 2,080 27 1,985 2,063 370 0 194 178 -	4.31% 0.39% 2.88% 4.67% 5.48% 5.06% 3.54% 9.08% 6.84% 5.05% 5.05% 1.84% 0.00% 0.00%
TEMP MTR POLES 30 FGP UG 8.56 30 FT WP UG 3.08 SL ORN A-POLE 15.31 SL ORN-A-POLE 17.26 SL ORN UG 400W 20.30 8,500 MV Initial Lumens per lamp 23,000 MV Initial Lumens per lamp 9,500 HPS Initial Lumens per lamp	2,797 72 24 408 36 1,428 110,318	\$20.00 \$8.56 \$3.08 \$15.31 \$17.26 \$20.30 \$4.34 \$10.95 \$13.24	\$55,940.00 \$616.32 \$73.92 \$6,246.48 \$621.36 \$28,988.40 \$802,629.58	2,797 72 24 408 36 1,428 110,318	\$20.00 \$8.56 \$3.08 \$15.72 \$17.83 \$20.87 \$4.64 \$11.62 \$13.44	55,940 616 74 6,416 642 29,806 835,079	- 169 21 817 32,449 \$0.29	0.00% 0.00% 0.00% 2.71% 3.32% 2.82% 4.04%

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PSC Request 2 Page 1 of 4

NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION PSC CASE NO. 2006-00484 FIRST DATA REQUEST RESPONSE

COMMISSION STAFF'S FIRST DATA REQUEST DATED 3/12/07REQUEST 2RESPONSIBLE PERSON:William A. BostaCOMPANY: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 theApplication, identify the corresponding wholesale Rate Schedule of East KentuckyPower 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.

PSC Request 2 Page 3 of 4

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

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

		EKPC		
<u>Schedule</u>	Rate Class	Rate Schedule	Present	Proposed
. 1	Residential, Farm, Non-Farm, Trailers &	E-2		·····
	Mobile Homes			
	Customer Charge per month		\$5.00	\$5.00
	Energy Charge per kwh		\$0.06271	\$0.06666
2	Commercial, Small Power, Single Phase &	E-2		
	Three Phase Service			
	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			

			Reque Attach Page 2	iment
	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	В		
	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	В		
	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	В		
	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	С		
	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	С		
	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	С		
	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	С		
	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

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PSC Request 3 Page 1 of 2

NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION PSC CASE NO. 2006-00484 FIRST DATA REQUEST RESPONSE

COMMISSION STAFF'S FIRST DATA REQUEST DATED 3/12/07REQUEST 3RESPONSIBLE PERSON:William A. BostaCOMPANY:Nolin Rural Electric Cooperative Corporation

<u>Request 3.</u> 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 classrepresents 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.

Request 3a 1 Attachment Page 1 of 1 j....

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

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

52,775,485

55,450,497

2,675,013

5.07%

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100.00%

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			h	₹ate	<u>1</u>						Present Percent	Proposed Percent
		Existing				Proposed		_	\$ Increase	% Increase	Revenue	Revenue
	Billing	Current	Annualized		Billing		Annualized					
	Determinants	Rate	Revenues		Determinants	Rate	Revenues					
Customer Charge	339,972	\$5.00	\$1,699,860	1) 11 <i>(10</i> 0000	339,972	\$5.00	\$1,699,860		\$0	0.00%	6.03%	5.71%
			·····	and sciences		\$0,06650		1	\$0	#DIV/01	93.97%	94.29%
Energy charge per kWh	422,197,846	\$0.06271	26,476,027	. 1.) #"Denta	422,197,846	30.00000	28,075,260		\$1,599,233 \$0	6.04% #DIV/0!		
Total from base rates	······		28,175,887				29,775,120		\$1,599,233 \$0	5.68% #DIV/01	100.00%	100.00%
Fuel adjustment Environmental surcharge			3,003,220 2,184,228	~~~~~		and a second	3,003,220 2,184,228		\$0 \$0	0.00% 0.00%		
		*****		12 60 commer								a)))
Total revenues			\$33,363,335				\$34,962,568	-	\$1,599,233	4.79%	as Multi-Same, and an an Association for	
Average Bill		(\$98.14				\$102.84		\$4.70	4.79%		andrada and an and a
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		for t			nalysis September 30, 20	006						
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				Rate	2				an a	······		
		Existing				Proposed			\$ Increase	% Increase		
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	Determinants	Rate	Revenues		Determinants	Rate	Revenues					
1stomer Charge	15,863	\$5.00	\$79,315	ļ	15,863	\$5.00	\$79,315		\$D	0.00%	4,27%	4.06%
									\$0	#DIV/0!		
Energy charge per kWh	25,471,569	\$0.06985	1,779,189		25,471,569	\$0.07364	1,875,672		\$96,483 \$0	5,42% #DIV/0!	95.73%	95,94%
Total from base rates		*************	1,858,504	Austerm.			1,954,987		\$96,483 \$0	5.19% #DIV/0!	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 <u>,</u> 116		,		\$2,283,599		\$96,483	4.41%		
Average Bill			\$137.88		· · · · · · · · · · · · · · · · · · ·		\$143.96		\$6.08	4.41%		
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۲۰۰۰,	İ	Existing	I		<u> </u>	Proposed	·		\$ Increase	% Increase		
m	Billing	Current	Annualized		Billing		Annualized	 		1)		
	Determinants	Rate	Revenues	-	Determinants	Rate	Revenues	<u> </u>				·
Customer Charge	4,715	\$5.00	\$23,575		4,715	\$5.00	\$23,575	-	\$0	0.00%	12.00%	11.46%
								Í	\$0	#DIV/0!		
Energy Charge	2,474,226	\$0.06985	172,825		2,474,226	\$0.07364	182,197		\$9,372 \$0	5.42% #DIV/0!	88.00%	88.54%
Total Baseload Charges			\$196,400	-			\$205,772		\$9,372 \$0	4,77%	100.00%	100,00%
Fuel Adjustment		<u> </u>	16,650		·		16,650	-	\$0	0.00%		· · · · · · · · · · · · · · · · · · ·
Environmental Surcharge			15,158				15,158	<u> </u>	\$0	0.00%		
Revenues		<u> </u>	\$228,208	-			\$237,580		\$9,372	4.11%		
Average Bill			\$ 48.40	t			\$ 50.39	1	1.99	4.11%		ar at 16 c _{0.0}
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		Commerc		Three-Phase Farm	Service					
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	<u> </u>	Existing			Proposed	i	\$ Increase	% Increase		
		turnions ig								
	Billing	Current	Annualized	Billing	Data	Annualized Revenues				
a and all and a second s	Determinants	Rate	Revenues	Determinants	Rate	Revenues				
	1917 - Ang (1919 - 1919 - 1919) - Ang (1919 - 1919) - Ang (1919 - 1919)									0.000
ustomer Charge	1,081	\$0.00	\$ -	1,081	\$0.00	\$0	\$0 \$0	#DIV/0! #DIV/01	0.00%	0.00%
			000 700	53,179	\$4,34	230,796	\$0	0.00%	21.67%	20.55%
emand Charge	53,179	\$4.34	230,796	55,119	φ-4.0-4 [200,100	\$0	#DIV/01		
nergy charge per kWh							\$0	#DIV/0!		44 700
-2500 kWh	2,643,791	\$0.05875	155,323	2,643,791	\$0.06254	165,337	\$10,014	6.45% 6.98%	14.58% 41.46%	14.729 42.079
501-15000	8,134,123	\$0.05430	441,683	8,134,123 4,482,797	\$0.05809 \$0.05675	472,494 254,389	\$30,811 \$16,980	7.15%	22.29%	22.65%
	4,482,797	\$0.05296	237,409	4,402,797	φυ,υσυτο Γ	£04,000	+.0,000			
			······		-) /					<u> </u>
						1 122 016	\$57,806	5.43%	100.00%	100.004
otal from base rates			1,065,211			1,123,016	000,100	4,7570	, 30.0070	
			106,276			106,276	\$0	0.00%		
uel adjustment		v >==2%	87,246	- Contraction of Contraction		87,246	\$0	0.00%		
entil official optional go				33/2 		4 949 599	¢57.900	4.59%	(a/an) 	
Total revenues			1,258,733			1,316,538	\$57,806	4.3376	aa ant/sho rt/managed a.aasa	· · · · · · · · · · · · · · · · · · ·
	New		\$ 1,164,41			\$ 1,217.89	\$ 53.47	4.59%		
Average Bill			3 1,304,43							
				RECC		and a stable state to the state of the state				
		****	Billing	Analysis						<u> </u>
	10/5/10 mmmmm	for	the 12 months end	ed September 30, 2	006					
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Customer Charge	1,225		\$0	1,225	\$0.00	\$0	\$0		0.00%	6 0.00
						0004 764	\$0	0.000/	21.299	6 20.03
Demand Charge	213,079	\$4.34	\$924,764	213,079	\$4.34 T	\$924,764	\$0		L 1. L 1	20.00
							\$0) #DIV/0!		
Energy charge per kWh 0-3500 kWh	4,118,576	\$0.06228	256,505	4,118,576	\$0.06607	272,106	\$15,601	6.08%	5.90	
3501-10000 kWh	7,173,401	- (m)	355,012	7,173,401	\$0.05328	382,184	\$27,172		8.179	
10001-999999 kWh	60,823,463	\$0,04617	2,808,219	60,823,463	\$0,04996	3,038,611	\$230,392	2 8.20%	64.64	
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Total from base rates			4,344,500			4,617,664	\$273,16	4 6.29%	100.00	% 100.0
			100.705			498,725	\$	0,00%		
Fuel adjustment			498,725 362,453			362,453		0 0.00%		
Environmental surcharge			002,400						ļ	
Total revenues			\$5,205,678			\$5,478,842	\$273,16	4 5.25%		
						\$ 4,472.52	\$ 222.9	9 5.25%		
the second			\$ 4,249.53					a 0.2070		1

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1			Billing	Analy	sis							
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	Determinants	Rate	Revenues		Determinants	Rate	Revenues					
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Customer Charge	12		\$0		12	\$0.00	\$0		\$0	#DIV/0!	0.00%	0.00%
						· 1			\$0	#DIV/0!		
Demand Charge	2,024	\$1.19	\$2,408.00		2,024	\$1,19 ſ	\$2,408.00		\$0	0.00%	5.67%	5.27%
and the second						······			<u>\$0</u> \$0	#DIV/01 #DIV/01		
Energy Charge	10.000	\$0.06228	2,616		42,000	\$0.06607	2,775		\$0 \$159	#DIV/0! 6,08%	6.16%	6.07%
0-3500 kWh 3501-10000 kWh	42,000	\$0.06228	2,616 3,860		78,000	\$0.05328	4,156		\$159	7.65%	9.09%	9.10%
3501-10000 kwn 10001-999999 kWh	78,000	\$0.04949 \$0.04617	33,590		78,000	\$0.05320	36,345		\$2,756	8.20%	79.08%	79.56%
1000 1-200000 AVVII	161,020	φ0.04031	00,000			40.04000			96,100	0,00,0	. 0.0070	. 0.0070
Total Baseload Charges			\$42,474				\$45,684		\$3,210	7.56%	100.00%	100.00%
Total Dascioud Onargoo						//////////////////////////////////////				ber en gaarde en de		
Fuel adjustment			6,059	·			6,059		\$0	0.00%		
Environmental surcharge			3,302				3,302		\$0	0.00%		
	an in a suith a farmer ann an											
Total Revenues			\$51,835				\$55,045		\$3,210	6.19%		
Average Bill			\$ 4,319.55				\$ 4,587.07		267.53	6.19%		
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		fe	r the 12 months en			06			**************************************	6		
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			R	ate 10)	Proposed	A		\$ Increase	% Increase		
	Billing	Current	R Annualized) Billing		Annualized		\$ Increase	% Increase		
	8/IIIng Determinants		R)	Proposed Rate	Annualized Revenues		\$ Increase	% Increase		
		Current	R Annualized) Billing				\$ Increase	% Increase		
Customer Charae	Determinants	Current Rate	R. Annualized Revenues) Billing				\$ Increase	% Increase	0.58%	0.54%
Customer Charge		Current	R Annualized) Billing Determinants	Rate	Revenues				0.58%	0.54%
· · · · · · · · · · · · · · · · · · ·	Determinants	Current Rate	R. Annualized Revenues) Billing Determinants	Rate	Revenues		\$0	0.00%	0.58%	0.54%
Customer Charge Demand charge Contract	Determinants	Current Rate	R. Annualized Revenues) Billing Determinants	Rate	Revenues		\$0 \$0	0.00% #DIV/0! #DIV/0!	0.58%	
Demand charge	Determinants 12	Current Rate \$1,069.00	R Annualized Revenues \$12,828) Billing Determinants 12	Rate \$1,069	Revenues \$12,828		\$0 \$0 \$0 \$160,091 \$0	0.00% #DIV/01 #DIV/01 35.25% #DIV/01		
Demand charge Contract	Determinants 12 84,259	Current Rate \$1,069.00 \$5.39 \$7.82	R Annualized Revenues \$12,828 \$454,154) Billing Determinants 12 84,259	Rate \$1,069 \$7.29 \$9.72	Revenues \$12,828 614,245		\$0 \$0 \$0 \$160,091 \$0 \$0 \$0	0.00% #DIV/01 #DIV/01 35.25% #DIV/01 #DIV/01	20.60%	25.98%
Demand charge Contract Excess Demand	Determinants 12	Current Rate \$1,069.00 \$5.39	R Annualized Revenues \$12,828) Billing Determinants 12	Rate \$1,069 \$7,29	Revenues \$12,828		\$0 \$0 \$0 \$160,091 \$0	0.00% #DIV/01 #DIV/01 35.25% #DIV/01 #DIV/01		25.98%
Demand charge Contract Excess Demand Energy Charge	Determinants 12 84,259	Current Rate \$1,069.00 \$5.39 \$7.82	R Annualized Revenues \$12,828 \$454,154) Billing Determinants 12 84,259	Rate \$1,069 \$7.29 \$9.72	Revenues \$12,828 614,245 		\$0 \$0 \$160,091 \$0 \$0 \$0 \$0 \$0	0.00% #DIV/01 #DIV/01 35.25% #DIV/01 #DIV/01 0.00%	20.60%	25.98% 73,48%
Demand charge Contract Excess Demand	Determinants 12 84,259	Current Rate \$1,069.00 \$5.39 \$7.82	R Annualized Revenues \$12,828 \$454,154) Billing Determinants 12 84,259	Rate \$1,069 \$7.29 \$9.72	Revenues \$12,828 614,245		\$0 \$0 \$0 \$160,091 \$0 \$0 \$0	0.00% #DIV/01 #DIV/01 35.25% #DIV/01 #DIV/01	20.60%	25.98% 73,48%
Demand charge Contract Excess Demand Energy Charge Total Baseload Charges	Determinants 12 84,259	Current Rate \$1,069.00 \$5.39 \$7.82	Revenues \$12,828 \$454,154 1,737,210 \$2,204,192) Billing Determinants 12 84,259	Rate \$1,069 \$7.29 \$9.72	Revenues \$12,828 614,245 		\$0 \$0 \$160,091 \$160,091	0.00% #DIV/01 35.25% #DIV/01 #DIV/01 #DIV/01 0.00% 7.26%	20.60%	25.98% 73.48%
Demand charge Contract Excess Demand Energy Charge Total Baseload Charges Fuel adjustment	Determinants 12 84,259	Current Rate \$1,069.00 \$5.39 \$7.82	Revenues \$12,828 \$454,154 1,737,210 \$2,204,192 349,635) Billing Determinants 12 84,259	Rate \$1,069 \$7.29 \$9.72	Revenues \$12,828 614,245 		\$0 \$0 \$160,091 \$160,091 \$160,091 \$160,091 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	0.00% #DIV/01 #DIV/01 35.25% #DIV/01 #DIV/01 0.00% 7.26%	20.60%	25.98% 73.489
Demand charge Contract Excess Demand Energy Charge Total Baseload Charges	Determinants 12 84,259	Current Rate \$1,069.00 \$5.39 \$7.82	Revenues \$12,828 \$454,154 1,737,210 \$2,204,192) Billing Determinants 12 84,259	Rate \$1,069 \$7.29 \$9.72	Revenues \$12,828 614,245 		\$0 \$0 \$160,091 \$160,091	0.00% #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! 0.00% 7.26%	20.60%	25.98% 73.489
Demand charge Contract Excess Demand Energy Charge Total Baseload Charges Fuel adjustment Environmental surcharge	Determinants 12 84,259	Current Rate \$1,069.00 \$5.39 \$7.82	R Annualized Revenues \$12,828 \$454,154 1,737,210 \$2,204,192 349,635 187,162) Billing Determinants 12 84,259	Rate \$1,069 \$7.29 \$9.72	Revenues \$12,828 614,245 		\$0 \$0 \$160,091 \$0 \$0 \$0 \$0 \$0 \$160,091 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	0.00% #DIV/01 #DIV/01 35.25% #DIV/01 #DIV/01 0.00% 7.26% 0.00% 0.00%	20.60%	25.98% 73.48%
Demand charge Contract Excess Demand Energy Charge Total Baseload Charges Fuel adjustment	Determinants 12 84,259	Current Rate \$1,069.00 \$5.39 \$7.82	Revenues \$12,828 \$454,154 1,737,210 \$2,204,192 349,635) Billing Determinants 12 84,259	Rate \$1,069 \$7.29 \$9.72	Revenues \$12,828 614,245 		\$0 \$0 \$160,091 \$160,091 \$160,091 \$160,091 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	0.00% #DIV/01 #DIV/01 35.25% #DIV/01 #DIV/01 0.00% 7.26%	20.60%	25.98% 73.48%
Demand charge Contract Excess Demand Energy Charge Total Baseload Charges Fuel adjustment Environmental surcharge Total Revenues	Determinants 12 84,259	Current Rate \$1,069.00 \$5.39 \$7.82	R Annualized Revenues \$12,828 \$454,154 1,737,210 \$2,204,192 349,635 187,162 \$2,740,989) Billing Determinants 12 84,259	Rate \$1,069 \$7.29 \$9.72	Revenues \$12,828 614,245 1,737,210 \$2,364,283 349,635 187,162 \$2,901,080		\$0 \$0 \$160,091 \$160,091 \$160,091 \$160,091 \$160,091	0.00% #DIV/01 #DIV/01 #DIV/01 #DIV/01 #DIV/01 0.00% 0.00% 0.00% 5.84%	20.60%	25.98% 73.48%
Demand charge Contract Excess Demand Energy Charge Total Baseload Charges Fuel adjustment Environmental surcharge	Determinants 12 84,259	Current Rate \$1,069.00 \$5.39 \$7.82	R Annualized Revenues \$12,828 \$454,154 1,737,210 \$2,204,192 349,635 187,162) Billing Determinants 12 84,259	Rate \$1,069 \$7.29 \$9.72	Revenues \$12,828 614,245 		\$0 \$0 \$160,091 \$0 \$0 \$0 \$0 \$0 \$160,091 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	0.00% #DIV/01 #DIV/01 #DIV/01 #DIV/01 #DIV/01 0.00% 0.00% 0.00% 5.84%	20.60%	25.98% 73,48%

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				Analysis ed September 30, 20	AC		*1	and a short for the same			
		10	a the 12 months end	eu gepteniber ou, zu	00	·····					
A.A											
		Existing			Proposed		\$ Inc	rease	% Increase		
	Billing	Current	Annualized	Billing		Annualized					
	Determinants	Rate	Revenues	Determinants	Rate	Revenues				• • • • • • • • • • • • • • • • • • •	
	Determinants	Rate	- INEVENIUES	Determinants	Nate	Revenues					
				adard		ner and an and a state of the s					
Customer Charge	12	\$1,069.00	\$12,828	12	\$1,069	\$12,828		\$0	0.00%	0.24%	0.22%
								\$0	#DIV/0!		
Demand Charge	233,950	\$5.39	\$1,260,991	233,950	\$7.29	1,705,496	\$4	44,505	35.25%	23.43%	29.27%
Salar Sa								\$0	#DIV/01		
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	¢ 4	44,505	8,26%	100.00%	100,00%
Total Baseload Charges			40,001,400			<u> </u>		44,000	0.20%	100,00%	100,0078
Fuel adjustment	1		1,063,634		1)16/10/10/10/10/10/10/10/10/10/10/10/10/10/	1,063,634	10.9% 	\$0	0,00%		
Environmental surcharge			491,893		autilative designed and a second s	491,893		\$0	0.00%		
										•	
Total Revenues			\$6,936,962			\$7,381,468	\$4	44,505	6.41%		
Average Bill			\$ 578,080	1		\$ 615,122	37,	042.10	6.41%		

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\$ Increase % Increase		03 4.14% 7 0.38%		567 4.49%			1,981 8.71%			186 4.85%			0.00%					162 2.60%	.,	784 2.71%	31,147 3,88%
\$ Increa		22,903		້	-	1,0	1,5	.,													31,
	% of Total	69.17%	0.37%	1.58%	4.79% 0.07%	6.96%	2.96%	0.69%	0.00%	0.48%	1.18%	0.05%	0.23%	0.00%	6.71%	0,07%	0.01%	0.77%	0.08%	3.57%	100.00%
	Annualized Revenues	20	3,069		39,977 554														641	29,773	833,777
pe	Rate	\$7.15	\$10.68 \$6.19	\$10.58	\$14.26 64 F 28	\$5.77	\$3.54	\$10.45	\$8.60	\$8.60	\$9.61	\$1.98	\$2.29	\$2.77	\$20.00	\$8.56	\$3.08	\$15.71	\$17.81	\$20.85	
Proposed	Total KWh	6,046,425	1,915 21,824	149,760	526,964	0'/00 EV2 000	502,300 522 900	93.840	105	49 140	45 144) c) C	• ⊂		A2 840	5 220	207,060	8,222,805
	Billing Determinants	80,619	180	1,248	2,803	36	8CU,UT	0,912	100	1 037	400	070'1	23U 967	200	202 0	4.,1 JI	2.2	t v v	400	30	110,318
	% of Total	69.00%	0.24%	0.37%	4.73%	0.07%	6.99%	2.83%		-	-	1.21%	0.06%				0.08%		0.78%		100.00%
	Annualized Revenues		2	\$2,985.92 *17 647 74				\$	\$2			Ğ		ŝŝ		\$2 \$	•,		জ	\$621.36 \$28.988.40	4
0	Current Rate	GG 87	\$10.64	\$6.02	\$13.55	\$14.67	\$5.58	\$3.26	\$9.81	\$8.20	\$8.20	\$9.44	\$1.98	\$2.29	\$2.77	\$20.00	\$8.56	\$3.08	\$15.31	\$17.26	00.020
Existing	Total kWh	C 040 10E	0,040,423 1,915	21,824	149,760 526 <u>.</u> 964	6,768	502,900	522,900	93,840	105	49,140	45,144	0	0	0	0	0	0	42,840	5,220	200, 200
	Billing		80,619 180	496	1,248	36	10.058	6,972	552	÷	468	1.026	230	852	12	2.797	72	24	7		1,428
Ĺ			75 145	44	120	100	9 G	92	170	105	105	44	F						105	145	145
			SL_100 W HPS 6.87	DFL 100 W HPS EP 6.02	DFL 250 W HPS EP 10.13	DFL 400W HPS EP 13.55	DFL 400W UG 14.6/	SL CITT WP 100 M 3.30		SL CIT WE 400M 5.01	SL CIT WE SOUN OLS	SLWP 250W HTS 0.20		25 FI WF ON 120	30 F1 WF ON 2420		LEMP WICK POLES	30 FGF UG 8:30	30 FI WF 0G 300	SL ORN-A-POLE 12:01 SL ORN-A-POLE 17:26	SL ORN UG 400W 20.30

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

Street Lighting and Security Lights Outdoor Lighting

Request 3a 2 Attachment

110,318

\$802,629.58 100.00%

8,222,805

110,318

Page 5 of 5

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Analysis of Wholesale to Retail Proportionality

M	Wholesale			R	Retail		
;	Existing	Proposed	Change		Existing	Existing Proposed	Change
I Customer Charge Metering Point Charge Substation at less than 3 MVA		\$125/Mo. \$125/Mo. \$944/Mo. \$944/Mo.	і і 64 64	Customer Charge 1 Residential Customer Charge 1 Residential	\$5.00/Mo \$5.00/Mo	\$5.00/Mo \$5.00/Mo	ь I
II Demand Charge B&C Demand Charge (\$/kW)	\$5.39	\$7.29	\$1.90	\$1.90 Industrial Rate (\$/kW)	\$5.39	\$7.29	\$1.90
III Energy Charge The non-industrial wholesale increase was based on the dollar amount remaining to be recovered at wholesale, divided by kWh.	ncrease was b rred at wholes	ased on the dollar ale, divided by kV	llar / kWh.	The non-industrial retail increase was based on the dollar amount remaining to be recovered at retail, divided by kWh.	s based on the d retail, divided b	ollar y kWh.	

Request 3b Attachment Page 1 of 1 ĥ

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NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION PSC CASE NO. 2006-00484 FIRST DATA REQUEST RESPONSE

COMMISSION STAFF'S FIRST DATA REQUEST DATED 3/12/07REQUEST 4RESPONSIBLE PERSON:William A. BostaCOMPANY: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.

<u>Request 4b.</u> The number of lights.

<u>Response 4a-b.</u> Please see page 2.

PSC Request 4

Page 2 of 2

	4(a)	4(b)
Light Description	<u>kWh</u>	Number of Lights
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

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110,318