

LAW OFFICES

W. PATRICK HAUSER, P.S.C.

200 KNOX STREET

P.O. Box 1900 BARBOURVILLE, KENTUCKY 40906 MAR **2 1** 2007

PUBLIC SERVICE COMMISSION

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March 21, 2007

HAND DELIVERED

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

Re: PSC Case No. 2006-00477

Dear Ms. O'Donnell:

Please find enclosed for filing with the Public Service Commission in the abovereferenced case an original and five (5) copies of the Responses of Cumberland Valley Electric, Inc., to the Commission Staff's First Data Requests dated March 12, 2007.

Very truly yours,

an

W. Patrick Hauser Counsel for Cumberland Valley Electric, Inc.

WPH/dd

Enclosures

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF CUMBERLAND VALLEY ELECTRIC, INC. TO PASS-THROUGH AN INCREASE OF ITS WHOLESALE POWER SUPPLIER PURSUANT TO KRS 278.455(2)

CASE NO. 2006-00477

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RESPONSES TO COMMISSION STAFF'S FIRST DATA REQUEST TO CUMBERLAND VALLEY ELECTRIC, INC. DATED MARCH 12, 2007

CUMBERLAND VALLEY ELECTRIC, INC.

PSC CASE NO. 2006-00477

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

Cumberland Valley Electric, Inc. ("Cumberland Valley") 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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CUMBERLAND VALLEY ELECTRIC, INC. PSC CASE NO. 2006-00477 FIRST DATA REQUEST RESPONSE

COMMISSION STAFF'S FIRST DATA REQUEST DATED 3/12/07REQUEST 1RESPONSIBLE PERSON:William A. BostaCOMPANY:Cumberland Valley Electric, Inc.

<u>Request 1.</u> 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 Cumberland Valley.

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.

PSC Request 1 Page 2 of 2

Request 1b.Provide in electronic format the Excel spreadsheets used todetermine 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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<u> Billing Units – Base Rate Revenue</u>

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Request 1a Attachment Page 2 of 3

EXHIBIT I Page 4 of 7



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Request 1a Attachment Page 3 of 3

EXHIBIT I Page 5 of 7

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Request 1b Attachment Page 1 of 5

Cumberland Valley Billing Analysis for the 12 months ended September 30, 2006

	Total	Total	\$ Increase	% Increase
Residential	25,016,773	26221229.09	1,204,456	4.81%
H-1	60,756	65,509	4,753	7.82%
C-1	1,166,415	1,218,025	51,610	4.42%
C-2	920,886	958,179	37,293	4.05%
E-1	919,688	970,697	51,008	5.55%
P-1	2,714,200	2,889,228	175,028	6.45%
L-1	7,066,926	7,473,058	406,131	5.75%
Street Lighting and Security Lights	960,202	1,001,818	41,616	4.33%

38,825,846

40,797,742

1,971,896

5.08%

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		Existing				Proposed			\$ Increase	% increase		Demand	Energy	
	Billing Determinants	Current Rate	Annualized Revenues		Billing Determinants	Rate	Annualized Revenues							-
Customer Charge	261,679	\$5.00	\$1,308,395	laibe	261,679	\$5.00	\$1,308,395	~	\$0 \$0	0.00% #DIV/0I				\$
Energy charge per kWh	302,483,213	\$ 0.06447	19,501,093		302,483,213	\$0.06845	20,705,549		\$1,204,456 \$0	6.18% #DIV/0!			\$1,204,456	
Total from base rales			20,809,488				22,013,944	76-3	\$1,204,456 \$0	5.79% #DIV/0!				
Fuel adjustment Environmental surcharge			2,496,508		tayan)) og pýlynas fantagalandam () of goy) sogatogala	2,496,508 1,710,777		\$0 \$0	0.00%				
Total revenues			\$25,016,773				\$26,221,229	_	\$1,204,456	4.81%		andrik annote and a state annote a state		
			\$95.60				\$100.20		\$4.60	4,81%	······			
Average Bill				dan	id Valley								an (₁₀)	
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		Existing	· · · · · · · · · · · · · · · · · · ·			Proposed			\$ Increase	% Increase		······································		
	Billing Determinants	Current Rate	Annualized Revenues		Billing Determinants	Rate	Annualized Revenues							
		·									·····			
Customer Charge	1,102	\$0.00	\$0	-	1,102	\$0.00	\$0		\$0 \$0				at ₁₂ 122 - 12 - 12 - 12 - 12 - 12 - 12 -	\$
Energy charge per kWh	1,193,612	\$ 0.03868	46,169		1,193,612	\$0.04266	50,922	1111 11111	\$4,753 \$0	10.29% #DIV/0!			\$4,753	3
' from base rates			46,169				50,922		\$4,753 \$0	10.29%				
Fuel adjustment			10,792 3,796				10,792 3,796		\$0 \$0 \$0	0.00%			**************************************	
Environmental surcharge							\$65,509		\$4,753		·····		+ c = = = = = = = = = = = = = = = = = =	
Total revenues			\$60,756								·····		·······	
Average Bill		<u> </u>	\$55.13	<u> </u>			\$59.45	_	\$4.31	7.82%		2 ¹	· · · · · · · · · · · · · · · · · · ·	
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Customer Charge	14,343	\$5.00	\$ 71,715	t	14,343	\$5.00	\$ 71,715		\$0 \$0		·····			
Demand Charge	0.00	\$3.68	\$ -		0	ີ \$3.68]	[\$0 \$0 \$0	#DIV/01	· · · · · · · · · · · · · · · · · · ·		\$0	_
Energy charge per kWh		60.0700	404.074	+	6 664 700	\$0.07678	511,500	-	\$0 \$26,526	#DIV/01			\$26,52	
0-3000 kWh >3000	6,661,73				6,661,730 6,299,426		448,594	+	\$25,084			******	\$25,06	
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Total from base rates		1	980,199				1,031,809	T.	\$51,610					
Fuel adjustment Environmental surcharge			105,632 80,584				105,632 80,584		\$0 \$0				anaan ta'u ay ahaa ahaa ahaa ahaa ahaa ahaa ahaa	
Total revenues			1,166,415				1,218,025	+	\$51,610) 4.42%	5			
rage Bill			\$ 81.32	1			\$ 84.92		\$ 3.60					
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	Determinants	Rate	Revenues		Determinants	Rate	Revenues					- and the second second		
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Customer Charge	1,567	\$5.00	\$ 7,835		1,567	\$5.00	\$ 7,835	h	\$0	0.00%				<u>\$0</u>
								<u>↓</u> '	\$0	#DIV/0!				
Demand Charge	37,570.80	\$3.68	\$ 138,261		37,571	\$3.68	138,261		\$0	0.00%		\$0		
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Energy charge per kWh		A			700.000	60.07670	E6 111	·	\$0 \$3.471	#DIV/0! 5.47%			\$3,171	······
0-3000 kWh	796,335	\$0.07280	57,973		796,335 8,569,268	\$0,07678	<u>61,144</u> 610,234	ł	\$3,171 \$34,122	5.92%			\$34,122	······
>3000	8,569,268	\$0.06723	576,112		G,009,∠60	\$0.07121	010,234	1	\$34,12Z	0,52 %				
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Total from base rates			780,181				817,473		\$37,293	4.78%				
Total Itoth Dase Tates									1	[				
Fuel adjustment			76,566				76,566	1	\$0	0.00%				
Environmental surcharge			64.140		(		64,140		\$0	0.00%				
Carvino anticiata con onorige								]						
Total revenues			920,886				958,179	]	\$37,293	4.05%			a (Josefa appendiate de la Constituy papatente de la	
		Concernant of the second second		1				]			= 0.00		A galagana ako dorona titara na Yamate	· · · · · · · · · · · · · · · · · · ·
Average Bill	17 You Have a start of the second start of the		\$ 587.67				\$ 611.47		\$ 23.80	4.05%				
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a a fair an					nalysis				1.15					
		for	the 12 months e	nde	d September 30	, 2006			· · · · · · · · · · · · · · · · · · ·				<u>م</u>	
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	Billing	Current	Annualized		Billing	<u> </u>	Annualized	-	+	1				1
andrawa washinin Kalinga markinin kalinga markinin kalinga sa	Determinants	Rate	Revenues	<u>†</u>	Determinants	Rate	Revenues	1	1				Concept to the old of our particular and other	
	- Deterriniants	1.010	1.0401003	1			1	1	1					1
	1			T					0.010				······	
Customer Charge	398	\$0,00	\$0	<b>1</b>	398	\$0.00	\$0		\$0				······	\$
	1			1					\$0					
Energy charge per kWh	12,810,104	\$ 0.05883	753,618		12,810,104	\$0.06281	804,627		\$51,008	6.77%			\$51,008	
									\$0	#DIV/0!		**************************************		
Total from base rates			753,618				804,627		\$51,008					
			1			<u> </u>			\$0	#DIV/0!	L			
Fuel adjustment			104,114		<u> </u>		104,114		\$0					
			61,956	- <u> </u>			61,956		\$0	0.00%				
Environmental surcharge	]			. <b> </b>			0070 007		654 000	5.55%	1		ay have a star for an analysis of the star for the	
		L	\$919,688	1	t	1	\$970,697		\$51,008	0.00%	L			1
Environmental surcharge Total revenues										1		1		
Total revenues					······································				6100 10		·			
	· · · · · · · · · · · · · · · · · · ·		\$2,310.77				\$2,438.9	4	\$128,16	5.55%	······································			
Total revenues							\$2,438.94	4	\$128.16	5.55%				

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			Cumbe	erlan	d Valley			نجيعا						
			Billin	g Ar	nalysis								~~~~~	
	······	fo	r the 12 months e	ndeg	d September 30,	2006		t						
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-Anna	Billing	Current	Annualized		Billing		Annualized						مەتتى	
	Determinants	Rate	Revenues		Determinants	Rate	Revenues							
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ustomer Charge	24	\$0.00	\$0		24	\$0.00	\$0		\$0	#DIV/0!				
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emand Charge	119,000.56	\$5.71	\$679,493		119,001	\$5.71	\$679,493.21		\$0	0.00%		\$0		uhiner (* 1977
				=// .					\$0	#DIV/0!			Cod	
nergy Charge	10		4 400 000		10.050.000	\$0.03793	1,667,334		\$0 \$175,028	#DIV/01 11.73%			\$175,028	
l kWh	43,956,000	\$0.03395	1,492,306		43,956,000	a0.03783	1,007,334		3175,028	11.7.379			0170,020	-10100 10 10
			······					$\left - \right $	and a new low to the state of the				<u></u>	
														
otal Baseload Charges			\$2,171,799				\$2,346,828		\$175,028	8.06%				
			······	ļ]										
uel adjustment			363,853	-			363,853		\$0	0.00%			64	abiliter
nvironmental surcharge		- 1	178,547				178,547	<u> </u>	\$0	0.00%				
otal Davanuan		******	\$2,714,200	 			\$2,889,228	a 304 1-44	\$175,028	6.45%				
otal Revenues			<u> </u>		A			1		VI-7V /0				·
verage Bill	<u> </u>		\$ 113,091.65	1			\$ 120,384.49	1	7,292.84	6.45%				
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a Analahan ang mang kalalahan da sa da sa mang mang kang kang kang mang kang kang kang mang kang kang kang kan Ang kang kang kang kang kang kang kang ka	1637 m	fc	Cumb Billin or the 12 months e	eria 1g A ende	nd Valley nalysis d September 30.	2006								
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		K	Billin or the 12 months e	ng A ende l hed	nalysis d September 30, ule 7	2006	Г 	<u>j </u>					۵۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰	
		50000000000000000000000000000000000000	Billin or the 12 months e	ng A Ende	nalysis d September 30, ule 7	2006]					مین این میرود. میرون این میرود این میرون این میرود این میرود این میرود این میرود این میرود این میرود این میرود 	
			Billin or the 12 months e	ng A ende l hed	nalysis d September 30, ule 7] 						
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	Rillion	Existing	Billi or the <u>12 months of</u> Sc	ng A ende l hed	nalysis d September 30, ule 7		1		\$ Increase	% Increase				
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	Billing Determinants	Existing	Billi or the <u>12 months of</u> Sc	ng A ende l hed	nalysis d September 30, ule 7	Proposed	1		\$ Increase	% Increase				
	Determinants	Existing Current Rate	Billi Billi Sc Sc Annualized Revenues	ng A ende hed	nalysis d September 30, ule 7 1 Billing Determinants	Proposed Rate	Annualized Revenues							
Lustomer Charge		Existing	Billi or the 12 months e Sc Annualized	ng A ende hed	nalysis d September 30, ule 7 1 Billing	Proposed	Annualized		\$0	#DIV/01				
	Determinants 24	Existing Current Rate \$0.00	Billi bir the 12 months c Sc Sc Annualized Revenues \$0	ng A ende hed	nalysis d September 30, ule 7 1 Billing Determinants	Proposed Rate	Annualized Revenues		\$0 \$0 \$0	#DIV/01 #DIV/01				
Customer Charge	Determinants	Existing Current Rate	Billi Billi Sc Sc Annualized Revenues	ng A ende hed	nalysis d September 30, ule 7 1 Billing Determinants	Proposed Rate	Annualized Revenues		\$0 \$0 \$0 \$0	#DIV/0! #DIV/0! 0.00%		 \$0		
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Demand Charge Energy Charge	Determinants 24 377,399.65	Existing Current Rate \$0.00 \$3.68	Billi or the 12 months e Sc Annualized Revenues \$0 \$1,388,831	ng A ende hed	nalysis d September 30, ule 7 1 Billing Determinants	Proposed Rate	Annualized Revenues		\$0 \$0 \$0 \$0	#DIV/0! #DIV/0! 0.00%		\$0	406,131	
Demand Charge Energy Charge	Determinants 24	Existing Current Rate \$0.00 \$3.68	Billing or the 12 months e Sc Annualized Revenues \$0 \$1,388,831	ng A ende hed	nalysis d September 30, ule 7 1 Billing Determinants 24 377,400	Proposed Rate \$0.00 \$3.68	Annualized Revenues \$0 \$1,388,830.69		\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	#DIV/01 #DIV/01 0.00% #DIV/01 #DIV/01		\$0	406,131	
Demand Charge	Determinants 24 377,399.65	Existing Current Rate \$0.00 \$3.68	Billing or the 12 months e Sc Annualized Revenues \$0 \$1,388,831	ng A ende hed	nalysis d September 30, ule 7 1 Billing Determinants 24 377,400	Proposed Rate \$0.00 \$3.68	Annualized Revenues \$0 \$1,388,830.69		\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	#DIV/01 #DIV/01 0.00% #DIV/01 #DIV/01		50 50 50	406,131	
Demand Charge Energy Charge All KWh	Determinants 24 377,399.65	Existing Current Rate \$0.00 \$3.68	Billing Billing Billing Sc Annualized Revenues \$0 \$1,388,831 4,368,423		nalysis d September 30, ule 7 1 Billing Determinants 24 377,400	Proposed Rate \$0.00 \$3.68	Annualized Revenues \$0 \$1,368,830,69 4,774,554		\$0 \$0 \$0 \$0 \$0 \$0 \$406,131	#DIV/01 #DIV/01 0.00% #DIV/01 #DIV/01 #DIV/01 9.30%		\$0	406,131	
Demand Charge Energy Charge All KWh	Determinants 24 377,399.65	Existing Current Rate \$0.00 \$3.68	Billing or the 12 months e Sc Annualized Revenues \$0 \$1,388,831		nalysis d September 30, ule 7 1 Billing Determinants 24 377,400	Proposed Rate \$0.00 \$3.68	Annualized Revenues \$0 \$1,388,830.69		\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	#DIV/01 #DIV/01 0.00% #DIV/01 #DIV/01 9.30%		50	406,131	
Demand Charge Energy Charge Ni kWh Total Baseload Charges	Determinants 24 377,399.65	Existing Current Rate \$0.00 \$3.68	Billing or the 12 months of Sc Annualized Revenues \$0 \$1.388,831 4.368,423 \$5,757,254		nalysis d September 30, ule 7 1 Billing Determinants 24 377,400	Proposed Rate \$0.00 \$3.68	Annualized Revenues \$0 \$1,388,830.69 4,774,554 \$6,163,385		\$0 \$0 \$0 \$406,131 \$406,131	#DIV/01 #DIV/01 0.00% #DIV/01 #DIV/01 9.30% 7.05%		\$0	406,131	
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Demand Charge Energy Charge Ni kWh Total Baseload Charges	Determinants 24 377,399.65	Existing Current Rate \$0.00 \$3.68	Billing or the 12 months is Sc Annualized Revenues \$0 \$1.388,831 4.368,423 \$5,757,254		nalysis d September 30, ule 7 1 Billing Determinants 24 377,400	Proposed Rate \$0.00 \$3.68	Annualized Revenues \$0 \$1,388,830.69 4,774,554 \$6,163,385		\$0 \$0 \$0 \$406,131 \$406,131	#DIV/01 #DIV/01 0.00% #DIV/01 #DIV/01 9.30% 7.05%		\$0	406,131	
Demand Charge Energy Charge All kWh Total Baseload Charges Fuel adjustment	Determinants 24 377,399.65	Existing Current Rate \$0.00 \$3.68	Billing or the 12 months of Sc Annualized Revenues \$0 \$1,388,831 4,368,423 \$5,757,254 836,361		nalysis d September 30, ule 7 1 Billing Determinants 24 377,400	Proposed Rate \$0.00 \$3.68	Annualized Revenues \$0 \$1,388,830.69 4,774,554 \$6,163,385 836,361		\$0 \$0 \$0 \$0 \$406,131 \$406,131 \$406,131 \$406,131	#DIV/01 #DIV/01 0.00% #DIV/01 #DIV/01 9.30% 7.05% 0.00%		\$0	406,131	
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Demand Charge Inergy Charge Nil KWh Fotal Baseload Charges Fuel adjustment Environmental surcharge Fotal Revenues	Determinants 24 377,399.65	Existing Current Rate \$0.00 \$3.68	Billing Billing Billing Billing Billing Billing Sc Sc Sc Sc Annualized Revenues \$0 \$1,388,831 4,368,423 \$5,757,254 836,361 473,312 \$7,066,926 \$294,455,26		nalysis d September 30, ule 7 1 Billing Determinants 24 377,400	Proposed Rate \$0.00 \$3.68	Annualized Revenues \$0 \$1,358,830.69 4,774,554 \$6,163,385 836,361 473,312 \$7,473,058 \$ 311,377.40 \$40,797,742		\$0 \$0 \$0 \$406,131 \$406,131 \$406,131 \$0 \$0 \$0 \$0 \$0 \$0	#DIV/01 #DIV/01 #DIV/01 #DIV/01 #DIV/01 9.30% 7.05% 0.00% 0.00% 5.75%		KWh Non-Dem 495,215,433 1,971,896	1,939,280 	

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Request 1b Altachment Page 5 of 5 i.a

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Cumberland Valley Billing Analysis for the 12 months ended September 30, 2006

Street Lighting and Security Lights Outdoor Lighting

			Existing				Propose	≥d		\$ Increase	% Increase
	<u>kWh</u>	Billing Determinants	Total kWh	Current Rate	Annualized Revenues	Billing Determinants	Total kWh	Rate	Annualized Revenues		
175 WATT MERCURY VAPOR	70	108,828	7,617,960	\$6.50	\$707,382.00	108,828	7,617,960	\$6.78	737,716	30,334	4.29%
400 WATT MERCURY VAPOR	0	0	0	\$8.87	\$0,00	0	0	\$9.25	0	0	#D1V/01
100 WATT HIGH PRESSURE SODIUM OPEN BOT	0	0	0	\$6.50	\$0.00	0	0	\$6.73	0	0	#DIV/0!
100 WATT HIGH PRESSURE SODIUM COLONIAL	0	0	0	\$7,42	\$0.00	0	0	\$7.68	0	0	#DIV/0!
100 WATT HIGH PRESSURE SODIUM DIRECTION	70	252	17,640	\$8.03	\$2,023.56	252	17,640	\$8.31	2,094	70	3.47%
400 WATT HIGH PRESSURE SODIUM DIRECTION	140	9,648	1,350,720	\$12.47	\$120,310.56	9,648	1,350,720	\$13.03	125,689	5,378	4.47%
400 WATT HIGH PRESSURE SODIUM COBRA HE	140	10,464	1,464,960	\$12,47	\$130,486.08	10,464	1,464,960	\$13.03	136,319	5,833	4.47%
		129,192	10,451,280		\$960,202.20	129,192	10,451,280		1,001,818	41,616	4.33%

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PSC Request 2 Page 1 of 4

CUMBERLAND VALLEY ELECTRIC, INC. PSC CASE NO. 2006-00477 FIRST DATA REQUEST RESPONSE

COMMISSION STAFF'S FIRST DATA REQUEST DATED 3/12/07REQUEST 2RESPONSIBLE PERSON:William A. BostaCOMPANY:Cumberland Valley Electric, Inc.

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, Cumberland Valley 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.

PSC Request 2 Page 2 of 4

Request 2b.Would Cumberland Valley agree that KRS 278.455(2) and 807KAR 5:007, Section 2(2), require that increases or decreases in rates from the wholesalesupplier must be allocated to each retail class and within each retail tariff on aproportional 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 Cumberland Valley agree that KRS 278.455(2) and 807KAR 5:007, Section 2(2), require that the retail rate change does not change the retail ratedesign 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 1

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The present and proposed rates structures of Cumberland Valley Electric, Inc are listed below:

Pote Class	<u>EKPC Sch</u>	Drecent	Broposed
<u>Rate Class</u> Sch I: Residential, Schools & Churches	EAFC SCH E2	Present	Proposed
Customer charge per month	154	\$5.00	\$5.00
All kWh		\$0.06447	\$0.06845
Off-peak marketing rate		\$0.03868	\$0.04266
Sch II: Small Commercial & Small Power	<i>E2</i>	0.00000	\$010 IZ00
Single phase customer charge per month	***	\$5.00	\$5.00
Single phase energy charge – First 3,000 kW	ĥ	\$0.07280	\$0.07678
Single phase energy charge – Over 3,000 kW		\$0.06723	\$0.07121
Three phase customer charge per month	**	\$5.00	\$5.00
Three phase demand charge per kW		\$3.68	\$3.68
Three phase energy charge – First 3,000 kWl	h	\$0.07280	\$0.07678
Three phase energy charge – Over 3,000 kW		\$0.06723	\$0.07121
Sch III: All Three Phase Schools & Church		\$01001 <i>m</i> 0	<i>Q</i>01011D1
All kWh	100 102	\$0.05883	\$0.06281
Sch IV: Large Power – Industrial	<i>E2</i>	<i>401000000</i>	* • • • • * * • *
Demand charge per kW		\$5.71	\$5.71
All energy per kWh		\$0.03395	\$0.03793
Sch IV-A: Lrg Pwr Rate 50 kW to 2,500 kV	W E2		******
Demand charge per kW		\$3,68	\$3.68
Energy charge per kWh		\$0.04283	\$0.04681
Sch V: 1,000 to 2,500 kW	B	••••	
Consumer charge		\$535.00	\$535.00
Demand charge per kW - Contract		\$5.39	\$7.29
Demand charge per kW – Excess		\$7.82	\$9.72
Energy charge per kWh		\$0.03902	\$0.03902
Sch V-A: Large Power – Industrial	В		
Consumer charge		\$1,069.00	\$1,069.00
Demand charge per kW - Contract		\$5.39	\$7.29
Demand charge per kW – Excess		\$7.82	\$9.72
Energy charge per kWh		\$0.03266	\$0.03266
Sch VI: Outdoor Lighting - Security Light	ts <i>E2</i>		
(rate per month)			
Mercury Vapor Lamps			
175 watt		\$6.50	\$6.78
400 watt		\$8.87	\$9.25
Other Lamps (rate per month)			
100 watt Open Bottom		\$6.50	\$6.73
100 watt Colonial Flood		\$7.42	\$7.68
100 watt Directional Flood		\$8.03	\$8.31
400 watt Directional Flood		\$12.47	\$13.03
400 watt Cobra Head		\$12.47	\$13.03

PSC Request 3 Page 1 of 2

CUMBERLAND VALLEY ELECTRIC, INC. PSC CASE NO. 2006-00477 FIRST DATA REQUEST RESPONSE

COMMISSION STAFF'S FIRST DATA REQUEST DATED 3/12/07REQUEST 3RESPONSIBLE PERSON:William A. BostaCOMPANY:Cumberland Valley Electric, Inc.

Request 3. Refer to Exhibit III of the Application.

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

<u>Response 3a.</u> (1) Please see the attached information.

(2) Please see the attached information.

PSC Request 3 Page 2 of 2

Request 3b. Based upon the results of the analyses prepared in part (a) above, explain in detail how Cumberland Valley'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).

<u>Response 3b.</u> 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

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Cumberland Valley Billing Analysis for the 12 months ended September 30, 2006

				Existing	Proposed
				Rev %	Rev %
Existing	Proposed	\$ Increase	<u>% Increase</u>	<u>Total</u>	Total
25,016,773	26221229.09	1,204,456	4.81%	64.43%	64.27%
60,756	65,509	4,753	7.82%	0.16%	0.16%
1,166,415	1,218,025	51,610	4.42%	3.00%	2.99%
920,886	958,179	37,293	4.05%	2.37%	2.35%
919,688	970,697	51,008	5.55%	2.37%	2.38%
2,714,200	2,889,228	175,028	6.45%	6.99%	7.08%
7,066,926	7,473,058	406,131	5.75%	18.20%	18.32%
960,202	1,001,818	41,616	4.33%	2.47%	2.46%
	25,016,773 60,756 1,166,415 920,886 919,688 2,714,200 7,066,926	25,016,77326221229.0960,75665,5091,166,4151,218,025920,886958,179919,688970,6972,714,2002,889,2287,066,9267,473,058	25,016,77326221229.091,204,45660,75665,5094,7531,166,4151,218,02551,610920,886958,17937,293919,688970,69751,0082,714,2002,889,228175,0287,066,9267,473,058406,131	25,016,77326221229.091,204,4564.81%60,75665,5094,7537.82%1,166,4151,218,02551,6104.42%920,886958,17937,2934.05%919,688970,69751,0085.55%2,714,2002,889,228175,0286.45%7,066,9267,473,058406,1315.75%	Existing Proposed \$ Increase % Increase Total 25,016,773 26221229.09 1,204,456 4.81% 64.43% 60,756 65,509 4,753 7.82% 0.16% 1,166,415 1,218,025 51,610 4.42% 3.00% 920,886 958,179 37,293 4.05% 2.37% 919,688 970,697 51,008 5.55% 2.37% 2,714,200 2,889,228 175,028 6.45% 6.99% 7,066,926 7,473,058 406,131 5.75% 18.20%

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				·						0.000/	5,94%
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Customer Charge	201,010							\$0	#DIV/0!	AD 3444	94.06%
En annu sharra ann bhain	302,483,213	\$ 0.06447	19,501,093		302,483,213	\$0.06845	20,705,549	\$1,204,456	6.18%	93.71%	54.00%
Energy charge per kWh	302,400,210	<u> </u>						\$0	#DIV/0!	100.000	400.008(
			20,809,488				22,013,944	\$1,204,456	5.79%	100.00%	100.00%
Total from base rates								\$0	#DIV/01		
			2,496,508				2,496,508	\$0	0.00%		
Fuel adjustment			1,710,777				1,710,777	\$0	0.00%		
Environmental surcharge					al and a second s						
			\$25,016,773				\$26,221,229	\$1,204,456	4.81%		the frankryky have been been been been been been been be
Total revenues		······································	<u> </u>		Constant and Colored States						
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			\$c0.756				\$65,509	\$4,75	3 7.82%	6	
Total revenues			\$60,756	<u>'</u>		16					
							\$59.45	\$4.3	1 7.829	6	
Average Bill			\$65.13	<u>.</u>			009,40			1	
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Customer Charge	14,343	\$5.00	\$ 71,715		14,343	30,00		11,110		\$0	#DIV/0!	1.02.70	·····
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Energy charge per kWh 0-3000 kWh	6,661,730	\$0.07280	484,974		6,661,730	\$0.07678		511,500		\$26,526	5,47%	49.48%	49.57%
>3000	6,299,426	\$0.06723	423,510		6,299,426	\$0.07121		448,594	<u>+</u> -	\$25,084	5,92%	43.21%	43.48%
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Total from base rates			980,199				1.	031,809		\$51,610	5.27%	100.00%	100.00%
Total from base rates									1	·····			
Fuel adjustment			105,632 80,584					105,632 80,584		\$0 \$0	0.00%		a binaa dada waxaa waxaa ka ka ka maa ka gaa ka
Environmental surcharge			80,584					00,004		φυ			
Total revenues			1,166,415				1,	218,025		\$51,610	4,42%		
			\$ 81.32				\$	84.92		\$ 3.60	4.42%		
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	Billing	Current	Annualized		Billing	<u> </u>	Ann	ualized		ļ	<u> </u>		
	Determinants	Rate	Revenues	1	Determinants	Rate		/enues					
				+	<u> </u>		+	•••••					
Customer Charge	1,567	\$5.00	\$ 7,835	1	1,567	\$5.00	\$	7,835		\$0		1.00%	0.96%
					07.571	\$3.68	ļ	138,261		\$0 \$0		17.72%	16,91%
Demand Charge	37,570.80	\$3.68	\$ 138,261	-	37,571]		198,201	-			32.32.39	
Energy charge per kWh				1					-	\$0	#DIV/0!		7 400
0-3000 kWh	796,335 8,569,268	\$0.07280			796,335 8,569,268		atana matakhanaka	61,144 610,234		\$3,171 \$34,122		7.43% 73.84%	
>3000	0,009,208		. 0/0/112		0,000,200				1				
2)				Ţ	Į						. / 11		
	Nation 1 10 10 10 10 10 10 10 10 10 10 10 10 1		<u> </u>	-	(+		<u> </u>	· ····································			ļ
Total from base rales			780,181	1				817,473	Ē	\$37,293	4.78%	100.00%	100,009
•		L	76,566		<u> </u>			76,566	+	\$0	0.00%		
The Ladiusteent	1	h						64,140		\$0			
Fuel adjustment Environmental surcharge		ł., .	64,140	1.						-)	and the second sec		
Environmental surcharge				1			-						
			920,886	1				958,179		\$37,293			

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												Page 3 of 5
	and and a factor recovery between the desired of the		Cumberland Billing Ana							······	······································	
		for the 12	2 months ended S									
	· · · · · · · · · · · · · · · · · · ·						·····		<u></u>			
. Externa to the second se			Schedule	35								
	Marian and a state of the state		E-1		······		······································					
		E. I. de				Orecord			\$ Increase	% Increase		معمونين والمراجع والمراجع والمراجع
an a	·····	Existing			ï	Proposed			5 increase	70 111018038		
	Billing	Current	Annualized		Billing		Annualized					
	Determinants	Rate	Revenues		Determinants	Rate	Revenues	er~,				······
Customer Charge	398	\$0.00	\$0		398	\$0.00	\$0		\$0	#DIV/01	0.00%	0.00%
	42 945 404	¢ 0.05000	759.049		42 810 104	\$0.06281	804,627	·*	\$0 \$51,008	#DIV/0! 6.77%	100.00%	100.00%
Energy charge per kWh	12,810,104	9 V.V3003	753,618		12,810,104	φ0.00201	004,021		\$01,000	#DIV/01	+00.0070	
Total from base rates			753,618				804,627		\$51,008	6.77%	100.00%	100.00%
			104 444				104,114		\$0 \$0	#DiV/0! 0.00%		
Fuel adjustment Environmental surcharge			104,114 61,956				61,956		<u>\$0</u> \$0	0.00%		
			(1. /						······································	
Total revenues			\$919,688		****		\$970,697		\$51,008	5.55%		
Average Dill		allowed and a second and a second as a	\$2,310.77	·			\$2,438.94		\$128.16	5.55%		
Average Bill	*****		\$2,310,11				ψ2,400,04			0.00 //		
									}			
i zerolaz i zerolaz zerolazz									·			ale annound a state a succession of a state of the state
						whether here and the						
			Cumberland	Val	lev	·		! ~~~~		1		
	•	//	Billing Ana	lysi	S							
		for the	12 months ended	Sep	tember 30, 2006	*****		<u>.</u>	1			
	**************************************		Schedul	e 6	I	·····	Annotant geographic and a second of the second	i	L			
		······				- 1004000	······		anta-100			
	······		P-1	r	1	* <u></u>				· · · · · · · · · · · · · · · · · · ·		
	·	Existing				Proposed			\$ increase	% Increase		
								,				1/21
1	Billing	Current	Annualized	ļ	Bitting Determinants	Rate	Annualized Revenues	⊢				
analdahamangganggan at an analas falsar termenan termakan sakada teh misterang terta taka	Determinants	Rate	Revenues		Describing	110110	Trevenues					
,								Į				0.000
Customer Charge	24	· \$0.00	\$0		24	\$0.00	\$0	 	\$0 \$0		0.00%	0.00%
Demand Charge	119,000.56	\$5.71	\$679,493		119,001	\$5.71	\$679,493.21	1	\$0	and the second s	31.29%	28.95%
				1				Ļ	\$0	#DIV/01		
Energy Charge		00 0000	4 400 000	ļ	40.052.002	#D 00700	4.007.004	1	\$0	the second se	60 744	74 000
All KWh	43,956,000	\$0.03395	1,492,306		43,956,000	\$0.03793	1,667,334		\$175,028	11.73%	68,71%	71,05%
, 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 199	hadron and a second			1			······································	L	1			which have
,				ļ				+	<u> </u>			ļ
Total Baseload Charges			\$2,171,799				\$2,346,828	 	\$175,028	8.06%	100.00%	100.00%
Total Daselvau Ollalyes			was 11 1,1 33	1			42,0101020	1	1			
Fuel adjustment			363,853				363,853		\$0			
Environmental surcharge			178,547				178,547	.	\$0	0.00%		
Total Revenues		-2	\$2,714,200		·		\$2,889,228	+	\$175,028	6.45%		<u></u>
				1				٦	1			
Average Bill			\$ 113,091.65	1			\$ 120,384.49	1	7,292.84	6.45%		
		1]	1	<u> </u>	1	I	l	1		L	I

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			Cumberland			+ <u></u>	····	ndanal m ah				
			Billing Ana			······································					·····	
		tor the	2 months ended	Sepi	temper 30, 2006		····	·····1	·			
,			Schedul	e 7	l	"//whomana		l				
						**************************************	·····		a a a constructive de la construcción de la			
			L-1		1		·	·····				
	L	Existing			<u> </u>	Proposed			\$ Increase	% increase		
											·	
	Billing	Current	Annualized		Billing		Annualized					
	Determinants	Rate	Revenues	L	Determinants	Rate	Revenues			:		
						••••••••••••••••••••••••••••••••••••••						
Customer Charge	24	\$0.00	\$0		24	\$0.00	\$0		\$0	#DIV/01	0.00%	0.00%
									\$0	#DIV/01		
Demand Charge	377,399.65	\$3.68	\$1,388,831		377,400	\$3.68	\$1,388,830.69		\$0	0.00%	24.12%	22.53%
//////////////////////////////////////				-					\$0	#DIV/0!		
Energy Charge									\$0	#DIV/01		
All kWh	101,994,465	\$0.04283	4,368,423		101,994,465	\$0.04681	4,774,554		\$406,131	9.30%	75.88%	77.47%
	nahmmun						" <u>and and a second second second</u>					
Total Baseload Charges			\$5,757,254		······································		\$6,163,385	****	\$406,131	7.05%	100.00%	100.00%
Fuel adjustment	n hashada daga ay		836,361	ł			836,361		\$0	0,00%		
Environmental surcharge			473,312				473,312		\$0	0.00%		····
Total Revenues			\$7,066,926				\$7,473,058		\$406,131	5.75%	1999	······································
Average Bill			\$ 294,455.26				\$ 311,377.40		16,922.14	5.75%	. And other	

Cumberland Valley Billing Analysis for the 12 months ended September 30, 2006

Street Lighting and Security Lights Outdoor Lighting

\$ Increase % Increase				70 3-20 A 70%		i0//\i0# 0	10/NIC# 0			70 3.47%	5,378 4.47%			41,616 4.33%
		% Total	Revenue	70 6402	0/40101	0.00%	0.00%	0000	0.00%	0.21%	12.55%		13.67%	100.00%
		Annualized	Revenues	727 716		0	0	<		2,094	125.689		136,319	1,001,818
pe			Rate	- CE 78	\$	\$9.25	\$6.73	C< 10	90 J A	\$8.31	\$13.03		\$13.03	
Proposed		Total kWh		7 647 060	006,710,7	0	0		0	17,640	1.350.720		1,464,960	10,451,280
		Billing	Determinants	400 000	100,020	0	0		0	252	9.648	: <u>}</u>	10,464	129,192
		% Total	Revenue		13.01%	0.00%	0.00%		0.00%	0.21%	12.53%		13.59%	100.00%
		Durrent Annualized	Rate Revenues		\$6.50 \$707,382.00		\$6.50 \$0.00			\$2.0	ě		\$12.47 \$130,486.08	\$960,202.20
Existing		Total kWh			7,617,960		· c	>	0	17,640	1 260 720	0.4 1,000,1	1,464,960	129,192 10,451,280
		Billino	lts		108,828	0		>	0	252	0 649	0,040	10,464	129,192
	1		KWh		175 WATT MERCURY VAPOR				100 WATT HIGH PRESSURE SODIUM COLONIAL 0				400 WATT HIGH PRESSURE SODIUM COBRA HE 140	

Request 3a 2 Attachment Page 5 of 5

Analysis of Wholesale to Retail Proportionality

M	Wholesale			Retail	1		
	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.	г і 69 69	Customer Charge I Residential Customer Charge I Residential	\$5.00/ Mo \$5.00/ Mo	\$5.00/ Mo \$5.00/ Mo \$5.00/ Mo	1 1
II Demand Charge B&C Demand Charge (\$/kW)	\$5.39	\$7.29	\$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.	crease was b red at wholes	ased on the do ale, divided by	llar , kWh.	The non-industrial retail increase was based on the dollar amount remaining to be recovered at retail, divided by kWh.	sed on the do il, divided b	ollar y kWh.	

Request 3b Attachment Page 1 of 1