

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of the Application of Kansas City)
Power & Light Company for Approval to Make)
Certain Changes in its Charges for Electric) **Case No. ER-2010-0355**
Service to Continue the Implementation of its)
Regulatory Plan)

In the Matter of the Application of Aquila, Inc.)
dba KCP&L Greater Missouri Operations) **Case No. ER-2010-0356**
Company for Approval to Make Certain)
Changes in its Charges for Electric Service)

**ROBERT WAGNER’S OBJECTIONS TO HERDEGEN’S PREFILED
REBUTTAL TESTIMONY**

COMES NOW Robert Wagner, Pro Se Intervener, and move pursuant to 4 C.S.R 240-2.130(3), for rulings from the Regulatory Law Judges concerning admissibility of certain evidence, that is, portions and the entirety of William P. Herdegen, III’s prefiled rebuttal testimony. In this motion, Robert Wagner details the testimony to which is objected.

1. Robert Wagner’s objections to the prefiled rebuttal testimony of William P. Herdegen, III are as follows:

General Objections: Mr. Herdegen’s responsibilities are “the maintenance and operation of the transmission and distribution (“T&D”) systems of KCP&L and KCP&L Greater Missouri Operations Company (“GMO”; Collectively, GMO and KCP&L, “Companies”).” (P. 1, L. 8-11). He has not been identified as an expert or posses a background in any of the issues related to Robert Wagner’s Direct Testimony. As such his opinion is not relevant to the case. Additionally, through Herdegen’s Rebuttal Testimony, the Companies seek to introduce

evidence contrary to the Companies' responses in Requests for Admissions number 14 and 17 and Data Request number 6.

Additional Specific Objections:

ER-2010-0355 ER-2010-0356 OBJECTION

P.4, L.9	P.3, L.21-22	Using the quote "Turn Light On, Turn Lights Off" is improper characterization of the Companies' brochure and Mr. Wagner's testimony as this statement appears as all capitalized in both documents to show emphasis.
P.4, L.20- P.5, L.8	P.4, L. 9-19	"How do customers...better term." The Companies have not identified Mr. Herdegen as an expert in customer opinions.
P.5, L.9- L.19	P.4, L.20- P.5-L.7	"Do you have...area lighting." The Companies have not identified Mr. Herdegen as an expert in customer opinions.
P.6, L.3-L.7	P.5-L.14- L.18	"Based on...their situation." The Companies have not identified Mr. Herdegen as an expert in customer opinions.
P.6, L.10- L.12	P.5, L.20- L.22	"However it is characterized...of customers." The Companies have not identified Mr. Herdegen as an expert in customer opinions.
P.6, L.13 – P.7, L.4	P.6, L.1- L.14	"Are there challenges...50-HPS lamp." Speculation
P.8, L.21 – P.10, L.10	P. 8, L.6 – P.9, L.15	"Do you find...security plan. (Id, p. 3, Sec. 2)" In Data Request Number 6 the Companies were asked for "Studies or publications that KCP&L possesses or relies on which relate levels of outdoor lighting at night to the increased or decreased in levels of crime or safety." The Company responded in part: "The Company does not possess studies or publications which relate levels of outdoor lighting at night to an increase or decrease in crime." The Companies now seek to admit evidence contrary to their data request response. (See attachment for full response)
P.10, L.17 – P.11, L.15	P.9,L.22 – P.10,L.19	"Doesn't Mr. Wagner's...AMA Webpage" In Requests for Admissions Number 17, the Companies were requested to admit that the American Medical Association had: <i>Policy H-135.937 Advocating and Support for Light Pollution Control Efforts and Glare Reduction for Both Public Safety and Energy Savings</i> . The companies responded: "The Company is without knowledge to answer. The Company is not able to admit or deny the truth of the contents of documents prepared by a third-party." The Companies now seek to enter evidence contrary to their response to the Request for Admissions.
P.11, L.21 – P.12, L.3	P.11, L. 3 - 7	"The Company believes...the community." The Companies have not identified Mr. Herdegen as an expert in customer opinions.
P.12, L.14- 15	P.11, L. 17- 18	"The Companies...majority of customers." The Companies have not identified Mr. Herdegen as an expert in customer opinions.
P. 13, L.1 –	P.12, L. 3 –	"Yes, Although I am not a lawyer...persons and/or property." Mr.

7	9	Herdegen admits he is incompetent to speak on legal issues.
P. 13, L.8 – 11	P.12, L. 10 - 13	“Frankly, municipals and...of darkness.” The Companies have not identified Mr. Herdegen as an expert in customer opinions or best interest.
P. 17, L.7 - 8	P. 16, L. 3-4	“We informally consulted...increased costs.” Hearsay
P. 17, L. 17 - 19	P. 16, L. 13 - 14	“Customers want lamps...event is scheduled.” The Companies have not identified Mr. Herdegen as an expert in customer opinions. Additionally, Mr. Herdegen demonstrates he is incompetent to discuss the issue of group relamping. As identified in Schedule RAW2010-7, Introduction, Line 2 – “Facility managers today must manage their lighting resources (i.e., fixtures, lamp/ballast inventory, labor, energy) to sustain the quality of a lighting system.” Additionally, in Schedule RAW2010-7, Lamp Costs, the T12 Group Relamping includes a figure: “+ spot relamping of premature failures, 23@\$1.50”. Mr. Herdegen seeks to improperly characterize Mr. Wagner’s testimony (Wagner Direct, P.4, L.5-8).
P.19, L.3 – P. 20, L.2	P. 17, L. 18 – P. 18, L. 14	“Mr. Wagner states that he does not see why the Company could not purchase photocells for \$12.73....exclusive of labor.” In Mr. Wagner’s Direct Testimony, P.5, L.10-13 he states: “The Connecticut Light and Power Company was able to negotiate a consumer cost of \$12.73 for the cost of the new photocell if replacement was done at relamping (see Schedule RAW2010-9). I see no reason that KCP&L could not purchase these photocells and offer a similar rate.” The Companies misquote the witness and use company cost instead of “consumer cost” as mentioned in Wagner’s Direct Testimony in both question and response.
P.21, L.11 - 15	P.19, L.21 – P.20, L.2	“In light...dark sky premium.” The Companies have not identified Mr. Herdegen as an expert in customer opinions or best interest.
P.21, L.18 - 21	P.20, L.5 - 7	“They illustrate...new technology.” The Companies have not identified Mr. Herdegen as an expert in customer opinions or best interest.
P.23, L.7 - 15	P.21, L.11 - 18	“Granted, I am not in a position to speak authoritatively...safety and security.” Mr. Herdegen admits he is incompetent to speak on this issue.
P.23, L.22 – P.24, L.1	P.22, L.2-3	“The Company offers the majority...with their needs.” The Companies have not identified Mr. Herdegen as an expert in customer opinions or needs.
P.24, L.11 - 19	P.22, L.12-19	“In August 2010, the Company informally contacted...service territory.” Hearsay. Additionally, In Requests for Admissions Number 14, the Companies were requested to admit that Southern California Edison has existing rates for both “All Night” and “Midnight” street lighting. The Companies responded: “The Company is without knowledge to answer. The Company is not able to admit or deny the truth of the contents of documents

		prepared by a third-party.” The Companies now seek to enter evidence from Southern California Edison contrary to their response to the Request for Admissions.
		Schedules
WPH2010-1	WPH2010-1	This document is duplication of IESNA G-1-03. This document has the same copyright notification as mentioned in Robert Wagner’s Motion to Compel Discovery dated October 14, 2010. In this Data Request, the Companies responded: “A publication is available, but considered CONFIDENTIAL and therefore can only be provided to counsel.” Now, the Companies freely distribute similarly copyrighted material for public distribution. See response to Data Request Number 6
WPH2010-2	WPH2010-2	In Request for Admissions Number 17, the Companies were requested to admit that the American Medical Association had: <i>Policy H-135.937 Advocating and Support for Light Pollution Control Efforts and Glare Reduction for Both Public Safety and Energy Savings</i> . The companies responded: “The Company is without knowledge to answer. The Company is not able to admit or deny the truth of the contents of documents prepared by a third-party.” The Companies now seek to enter evidence from the American Medical Association contrary to their response to the Request for Admissions.
WPH2010-6	WPH2010-6	In Request for Admissions Number 14, the Companies were requested to admit that Southern California Edison has existing rates for both “All Night” and Midnight” street lighting. The Companies responded: “The Company is without knowledge to answer. The Company is not able to admit or deny the truth of the contents of documents prepared by a third-party.” The Companies now seek to enter evidence from Southern California Edison contrary to their response to the Request for Admissions.

Attachments: Company responses for Data Request 6 and Requests for Admissions 14 and 17.

Robert Wagner’s Requests for Admissions Number 14-20 to KCP&L.

Robert Wagner respectfully requests the Commission to sustain these objections and strike the entirety or objected to portions of Mr. William P. Herdegen, III’s rebuttal testimony.

Respectfully submitted,



Robert Wagner
Pro Se Intervener

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Email: rwagner@eruces.com

Certificate of Service

I hereby certify that copies of the foregoing have been mailed, hand-delivered, or transmitted by facsimile or electronic mail to all counsel of record this 13th day of January 2011.



**BEFORE THE PUBLIC SERVICE COMMISSION
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**Robert Wagner's Requests For Admissions Number 14-20
To Kansas City Power and Light Company**

Admit that each of the following facts is true:

- | <u>Item No.</u> | <u>Statement</u> |
|------------------------|---|
| 14. | Southern California Edison has existing rates for both "All Night" and "Midnight" street lighting. (See Exhibit A) |
| 15. | Connecticut Light & Power has been required to file a voluntary partial night streetlight rate by the Connecticut Department of Public Utility Control in rate case Docket No. 09-12-05 final decision dated 6/30/2010. (See Exhibit B) |
| 16. | The State of New Hampshire signed into law bill HB585 in 2009 that requires the public utilities commission to establish requirements for an electric utility rate for partial night use of outdoor lighting systems. (See Exhibit C) |
| 17. | The American Medical Association adopted the following policy in 2009:
"Policy H-135.937 Advocating and Support for Light Pollution Control Efforts and Glare Reduction for Both Public Safety and Energy Savings
Our AMA: (1) will advocate that all future outdoor lighting be of energy efficient designs to reduce waste of energy and production of greenhouse gasses that result from this wasted energy use; (2) supports light pollution reduction efforts and glare reduction efforts at both the national and state levels; and (3) supports efforts to ensure all future streetlights be of a fully shielded design or similar non-glare design to improve the safety of our roadways for all, but especially vision impaired and older drivers. (Res. 516, A-09)." (See Exhibit D) |
| 18. | KCP&L Stocks Item# 473014 a 50W Metal Halide bulb. GE Part Number: MXR 50U MED that has an Initial Lumens of 3200. (See Exhibit E) |

(Continued on next page)

(Continued)

19. Both KCP&L outdoor lighting brochures (ATT 001 - DR 0002 ProSe Dusk to Dawn Lighting in Missouri and ATT 002 - DR 0002 ProSe Exterior Area Lighting) use the statement: "TURN LIGHTS ON, TURN CRIME OFF". ATT 001 is dated March 2000 and ATT002 is still currently in use.
(Refer to Data Request 1 and Data Request 11, ATT 001 DR 0002 ProSe Dusk to Dawn Lighting in Missouri, ATT 002 DR 0002 ProSe Exterior Area Lighting)
20. The following companies offer 50W or less HPS outdoor lights:
 - Southern California Edison, CA
 - The United Illuminating Company, CT
 - Avista Utilities – Idaho
 - Western Massachusetts Electric, MA
 - Nstar Electric, Boston Edison Company, MA
 - Fitchburg Gas and Electric Light Company, MA
 - Massachusetts Electric Company, MA
 - Interstate Power and Light Company, MN
 - Public Service Company of New Hampshire, NH
 - Unitil Energy Systems, Inc., NH
 - New Hampshire Electric Cooperative, NH
 - Tri-County Electric Cooperative, OK
 - Nantucket Electric Company, RI
 - The Narragansett Electric Company, RI
 - Puget Sound Energy, WA
 - Avista Utilities – Washington(See Exhibit F)

INTERROGATORIES

1. If you failed to admit Request for Admissions No 14-20:
 - (a) State the facts on which you base your denial;
 - (b) Identify all documents that support your denial;
 - (c) Identify each person and their contact information that has information that supports your denial.



Southern California Edison
Rosemead, California (U 338-E)

Revised Cal. PUC Sheet No. 45423-E*
Cancelling Revised Cal. PUC Sheet No. 41551-E

Schedule LS-2								Sheet 9
LIGHTING - STREET AND HIGHWAY								
CUSTOMER-OWNED INSTALLATION - UNMETERED SERVICE								
(Continued)								
SPECIAL CONDITIONS (Continued)								
10. Kilowatthours: (Continued)								
Nominal								
Lamp Rating				kWh per Lamp Per Month*				
Lamp Load Including Ballast/Generator - Watts				Multiple Service kWh		Series Service kWh		
Lamp Wattage	Average Initial Lumens	Multiple Service	Series Service	A All Night	B Midnight	C All Night	D Midnight	
High Pressure Sodium Vapor Lamps								
50	4,000	58	64	20.010	10.492	30.746	16.134	
70	5,800	83	85	28.635	15.015	40.834	21.429	
100	9,500	117	121	40.365	21.165	58.128	30.504	
150	16,000	193	174	66.585	34.914	83.590	43.865	
200	22,000	246	233	84.870	44.501	111.933	58.739	
250	27,500	313	N/A	107.985	56.622	N/A	N/A	
310	37,000	383	N/A	132.135	69.285	N/A	N/A	
400	50,000	485	N/A	167.325	87.737	N/A	N/A	
Low Pressure Sodium Vapor Lamps								
35	4,800	63	51	21.735	11.397	24.225	12.709	
55	8,000	84	72	28.980	15.196	34.200	17.942	
90	13,500	131	130	45.195	23.698	61.750	32.396	
135	22,500	182	185	62.790	32.924	87.875	46.102	
180	33,000	229	219	79.005	41.426	104.025	54.575	
Metal Halide								
70	5,500	94	N/A	32.430	16.998	N/A	N/A	
100	8,500	129	N/A	44.505	23.328	N/A	N/A	
175	12,000	215	N/A	74.175	38.879	N/A	N/A	
250	19,500	295	N/A	101.775	53.346	N/A	N/A	
400	32,000	458	N/A	158.010	82.822	N/A	N/A	
1000	100,000	1080	N/A	372.600	195.300	N/A	N/A	
1500	150,000	1605	N/A	553.725	290.238	N/A	N/A	
Induction Lamps								
23	N/A	25	N/A	8.625	4.521	N/A	N/A	
40	N/A	41	N/A	14.137	7.410	N/A	N/A	
55	N/A	56	N/A	19.185	10.056	N/A	N/A	
65	N/A	69	N/A	23.805	12.478	N/A	N/A	
80	N/A	82	N/A	28.428	14.901	N/A	N/A	
85	N/A	88	N/A	30.293	15.878	N/A	N/A	
100	N/A	105	N/A	36.225	18.988	N/A	N/A	
120	N/A	123	N/A	42.410	22.229	N/A	N/A	
150	N/A	155	N/A	53.303	27.939	N/A	N/A	
165	N/A	170	N/A	58.566	30.698	N/A	N/A	
200	N/A	210	N/A	72.450	37.975	N/A	N/A	

* When an account has more than one lamp, the total kWh will be the kWh per lamp per month lamp rating to three decimal places multiplied by the number of lamps.

(Continued)

(To be inserted by utility)

Advice 2360-E
Decision _____

9C29

Issued by

Akbar Jazayeri
Vice President

(To be inserted by Cal. PUC)

Date Filed Jul 17, 2009
Effective Aug 17, 2009
Resolution _____

Exhibit B (page 1 of 1)

Connecticut Department of Public Utility Control
Connecticut Light & Power Rate Case Docket No. 09-12-05
Final Decision dated 6/30/2010:

[http://www.dpuc.state.ct.us/dockcurr.nsf/6eaf6cab79ae2d4885256b040067883b/10de737fccd5dad5852577520056612d/\\$FILE/091205-063010.doc](http://www.dpuc.state.ct.us/dockcurr.nsf/6eaf6cab79ae2d4885256b040067883b/10de737fccd5dad5852577520056612d/$FILE/091205-063010.doc) Page 153

“iv) Midnight Streetlight Option

a) General

Pursuant to the 2008 CL&P Decision, the Department directed CL&P to develop the costs and rates for a voluntary partial night streetlight rate and to propose such a rate in its next general rate case proceeding. 2008 CL&P Decision, p. 133; Order No. 2. As a result of that directive CL&P developed an option within its current streetlighting tariffs, Rates 116 and 117, for customers to receive partial streetlighting service.”

Exhibit C (page 1 of 1)

The State of New Hampshire has passed bill HB585 (2009) that requires the public utilities commission to establish requirements for an electric utility rate for partial night use of outdoor lighting systems.

Bill Text:

<http://www.gencourt.state.nh.us/legislation/2009/HB0585.html>

Approved: July 15, 2009

Full Bill Status:

http://gencourt.state.nh.us/bill_status/bill_status.aspx?lsr=61&sy=2009&sortoption=&txtsessionyear=2009&txtbillnumber=HB585

Exhibit D (page 1 of 1)

The American Medical Association adopted the following policy in 2009:

Policy H-135.937 Advocating and Support for Light Pollution Control Efforts and Glare Reduction for Both Public Safety and Energy Savings

Our AMA: (1) will advocate that all future outdoor lighting be of energy efficient designs to reduce waste of energy and production of greenhouse gasses that result from this wasted energy use; (2) supports light pollution reduction efforts and glare reduction efforts at both the national and state levels; and (3) supports efforts to ensure all future streetlights be of a fully shielded design or similar non-glare design to improve the safety of our roadways for all, but especially vision impaired and older drivers. (Res. 516, A-09).

The media contact for anyone seeking an AMA response on this topic would be Lisa Lecas.

lisa.lecas@ama-assn.org

312-464-5980

To Search all AMA Policies:

<http://www.ama-assn.org/ama/pub/about-ama/our-people/house-delegates/policy-finder-online.shtml> and Search for **H-135.937**

Exhibit E (page 1 of 1)

From Robert Wagner Data Request No. 7

High Intensity Discharge Lamps

Bulb Shape	Base	LET	OP	Watts	MOL (in)	LCL (in)	Order Code	Description	ANSI Ballast Type	Case Qty	CBP	Rated Life (hrs)	Initial Lumens	Mean Lumens	Color Temp K	CRI	Additional Information	Reduced Watts/High Color Rendering	Footnotes	Warning and Caution Notices	
PulseArc™ Multi-Vapor® Metal Halide Lamps																					
50 Watts																					
BD17	E26	E	U	50	5.43	3.43	10361	MKR50/U/MED	M110	6		10000	3200	2100	3700	60	Clear			118	
		E	U	50	5.43	3.43	10364	MKR50/CU/MED	M110	6		10000	3000	2000	3400	65	Coated			118	
70 Watts																					
BD17	E26	E	U	70	5.43	3.43	22158	MKR70/U/MED	M98	6		12000	5900	3500	3200	70	Clear			118	
		E	U	70	5.43	3.43	22162	MKR70/CU/MED	M98	6		12000	5300	3300	3200	70	Coated			118	
		E	U	70	5.43	3.43	12590	MVR70/U/MED	M98	6		12000	4700	3000	4000	70	Clear			118	
		E	U	70	5.43	3.43	12594	MVR70/CU/MED	M98	6		12000	4500	2800	4000	70	Coated			118	
100 Watts																					
BD17	E26	E	U	100	5.43	3.43	18680	MKR100/U/MED	M90	6		15000	9000	6200	3200	70	Clear			118	
		E	U	100	5.43	3.43	18679	MKR100/CU/MED	M90	6		15000	8500	5900	3200	70	Coated			118	
		E	U	100	5.43	3.43	12652	MVR100/U/MED	M90	6		15000	8100	5800	4000	70	Clear			118	
		E	U	100	5.43	3.43	12653	MVR100/CU/MED	M90	6		15000	7600	4900	4000	70	Coated			118	
150 Watts																					
BD17	E26	E	U	150	5.43	3.43	22985	MKR150/U/MED	M102	6		15000	13300	10000	3400	60	Clear			118	
		E	U	150	5.43	3.43	22986	MKR150/CU/MED	M102	6		15000	12600	9500	3100	60	Coated			118	
		E	U	150	5.43	3.43	12598	MVR150/U/MED	M102	6		15000	14000	10500	4300	65	Clear			118	
		E	U	150	5.43	3.43	12604	MVR150/CU/MED	M102	6		15000	13300	10000	3900	70	Coated			118	
175 Watts																					
ED3.5	E39	E	VBU	175	7.50	5.00	22342	MKR175/VBU/PA	M137/M152	6		15000	17000	12500	3200	65	Clear			43	117
		E	VBU	175	7.50	5.00	11185	MKR175/CVBU/PA	M137/M152	6		15000	16000	12000	3200	65	Coated			43	117
		E	VBU	175	7.50	5.00	12622	MVR175/VBU/PA	M137/M152	6		15000	17500	13000	4000	75	Clear			43	117
		E	VBU	175	7.50	5.00	12633	MVR175/CVBU/PA	M137/M152	6		15000	16500	12500	4000	75	Coated			43	117
BD17	E26	E	VBU	175	5.75	3.43	12636	MVR175/VBU/MEDPA	M137/M152	6		15000	17500	13000	4000	75	Clear			43	117
		E	VBU	175	5.75	3.43	12637	MVR175/CVBU/MEDPA	M137/M152	6		15000	16500	12500	4000	75	Coated			43	117
250 Watts																					
ED8	E39	E	U	250	8.25	5.00	78665	MVR250/U/PA	M138/M153	12		10000H/15000V	18000H/21000V	11000H/12000V	3900	62	Clear			43	116
		E	VBU	250	8.25	5.00	26317	MVR250/VBU/PA	M138/M153	12		15000	23000	17000	4200	65	Clear			43	116
		E	VBU	250	8.25	5.00	26319	MVR250/CVBU/PA	M138/M153	12		15000	21500	15500	3900	65	Coated			43	116
		E	HOR	250	8.25	5.00	72082	MVR250/HOR/PA	M138/M153	12		12000	20000	13700	4400	60	Clear			43	117
320 Watts																					
ED8	E39	E	VBU	320	8.25	5.00	27501	MVR320/VBU/HOPA	M132/M154	12		20000	31000	18000	4000	65	Clear			43	117
		E	VBU	320	8.25	5.00	27502	MVR320/CVBU/HOPA	M132/M154	12		20000	30000	16500	3700	70	Coated			43	117
		E	VBU	320	8.25	5.00	45666	MVR320/VBU/HOPA	M132/M154	12		20000	34000	25000	4000	65	Extra High Output			43	116
		E	VBU	320	8.25	5.00	45669	MVR320/CVBU/HOPA	M132/M154	12		20000	33000	23000	3700	70	Extra High Output			43	116
		E	HOR	320	8.25	5.00	72084	MVR320/HOR/PA	M132/M154	12		20000	30000	19100	4100	65	Clear			43	117
350 Watts																					
ED7	E39	E	VBU	350	11.50	7.00	23729	MVR350/VBU/HOPA/E	M131	6		20000	36500	27000	4000	65	Extra High Output			43	117
		E	VBU	350	11.50	7.00	23738	MVR350/CVBU/HOPA/E	M131	6		20000	34500	25000	3700	65	Extra High Output			43	117
400 Watts																					
ED37	E39	E	U	400	11.50	7.00	78666	MVR400/U/PA	M135/M155	6		14000H/18000V	30000H/38000V	18000H/22000V	4000	60	Clear			43	116
		S	VBU	400	11.50	7.00	4566A	MVR400/VBU/HOPA	M135/M155	6		20000	41000	31000	4000	65	Clear			49	121
		S	VBU	400	11.50	7.00	12642	MVR400/VBU/HOPA	M135/M155	6		20000	44000	33000	4000	65	Extra High Output			49	121
		S	VBU	400	11.50	7.00	12644	MVR400/CVBU/HOPA	M135/M155	6		20000	42000	31500	3700	70	Coated, Extra High Output			49	121
		E	HOR	400	11.50	7.00	72886	MVR400/HOR/PA	M135/M155	6		20000	40000	22500	4100	65	Clear			43,49	117
		E	VBU	400	11.50	7.00	46632	MVR400/VBU/HOPA	M135/M155	6		20000	44000	35200	4000	65	Extra High Output			43,49	116

Select Companies Offering 50W HPS Rates 9/17/2010

Southern California Edison, CA

<http://www.sce.com/NR/sc3/tm2/pdf/ce37-12.pdf> Schedule LS-2 (Page 9)
PUC Sheet No. 45423-E

The United Illuminating Company, CT

<http://www.uinet.com/wps/wcm/connect/0365f58040d87415a960bbd2ce51850f/Rate+M.pdf?MOD=AJPERES&CACHEID=0365f58040d87415a960bbd2ce51850f>
Street and Security Lighting Rate M

Avista Utilities – Idaho

http://www.avistautilities.com/services/energypricing/id/elect/Documents/ID_042.pdf
IPUC No. 28 Schedule 42

Western Massachusetts Electric, MA

<http://www.wmeco.com/aboutwmeco/streetlighting/rateschedules.aspx>
Rate S-1 Street and Security Lighting

Nstar Electric, Boston Edison Company, MA

<http://www.nstaronline.com/docs3/tariffs/140.pdf>

Fitchburg Gas and Electric Light Company, MA

http://services.unitil.com/content/pdf/tariffs/mass/electric/e_dpu_154.pdf (3300 lumen)
Schedule SD

Massachusetts Electric Company, MA

https://www.nationalgridus.com/masselectric/non_html/rates_tariff.pdf (Page 30)
MDPU No. 1154 Sheet 10

Interstate Power and Light Company, MN

<http://www.alliantenergy.com/UtilityServices/UtilityRatesFacts/ssLINK/100401>
Area Lighting Sheet No. 17

Public Service Company of New Hampshire, NH

<http://www.psnh.com/> Under Business -> Rates and Tariffs -> PSNH Tariffs
Rate OL

Unitil Energy Systems, Inc., NH

http://services.unitil.com/content/pdf/tariffs/nh/electric/Delivery_Service_Sch.pdf
Rate OL

New Hampshire Electric Cooperative, NH

http://www.nhec.com/filerepository/area_lighting.pdf

Exhibit F (page 1 of 2)

Tri-County Electric Cooperative, OK

<http://www.tri-countyelectric.coop/rates.aspx> Select Public Street Lighting Service - Rates PSL
and Security Lighting Service – Rates SL

Nantucket Electric Company, RI

https://www.nationalgridus.com/nantucket/non_html/rates_tariff.pdf (Page 34)
MDPU No. 528 Sheet 10

The Narragansett Electric Company, RI

https://www.nationalgridus.com/narragansett/non_html/rates_tariff.pdf (Page 56)
RIPUC No. 2030-B, Sheet 2

Puget Sound Energy, WA

http://www.pse.com/SiteCollectionDocuments/rates/elec_sch_053.pdf (page 2)
Sheet No. 53-a, Electric Tariff G, Schedule 53

Avista Utilities – Washington

http://www.avistautilities.com/services/energypricing/wa/elect/Documents/WA_042.pdf
Schedule 42

Company Name: KCPL MO
Case Description: 2010 KCPL Rate Case
Case: ER-2010-0355

Response to Wagner Robert Interrogatories – Set ProSe_20100819
Date of Response: 09/08/2010

Question No. :6

Studies or publications that KCP&L possesses or relies on which relate levels of outdoor lighting at night to the increased or decreased in levels of crime or safety. Note – To minimize paperwork, this data request will be filed under case ER-2010-0355 with the assumption that the same company data pertains to both case ER-2010-0355 (Kansas City Power & Light Company) and ER-2010-0356 (KCP&L Greater Missouri Operations Company). If the data supplied is company specific, please identify it as such.

RESPONSE:

The Company does not rely upon studies or publications but accepts the conventional wisdom that outdoor lighting is a part of a complete program to address safety conditions.

The Company, acting as a service provider, offers outdoor lighting options to its customers without warranty or guarantee as to its affect on crime and/or safety. It is the customer's decision how lighting offered by the Company is used and for what purpose.

The Company does not possess studies or publications which relate levels of outdoor lighting at night to an increase or decrease in crime. A brochure provided under Mr. Wagner's Data Request No. 1, *Dusk-To-Dawn Lighting In Missouri*, references a study conducted by the East Meyer Community Association that states security lights dramatically reduce nighttime crimes by twenty percent. The Company no longer possesses that study.

In preparation of the response to IDA Data Request No. 4, the Company reviewed Illuminating Engineering Society Memo TM-15. The memorandum makes representations that lighting contributes to safety, security, and improves driving visibility on roadways. The relevant passage is below:

Section 2.0 – Introduction:

“Outdoor lighting serves a variety of purposes that include providing light for nighttime visual activities, **contributing to safety/security**, and enhancing the beauty of architecture, monuments, sculpture, or landscape. **Outdoor lighting also serves to improve driving visibility on roadways.**” (Emphasis Added.)

The Company's reliance on TM-15 is solely for the expressed purpose to respond in Mr. Wagner's Data Request No. 4.

Attachment: Q6 MO Verification.pdf

Prepared by: William Seidel, Manager Research & Development

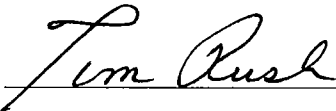
A publication is available, but considered **CONFIDENTIAL** and therefore can only be provided to counsel.

Verification of Response

**Kansas City Power & Light Company
AND
KCP&L Greater Missouri Operations**

Docket No. ER-2010-0355

The response to Data Request # 6 is true and accurate to the best of my knowledge and belief.

Signed: 

Date: September 1, 2010

Company Name: KCPL MO
Case Description: 2010 KCPL Rate Case
Case: ER-2010-0355

Response to Wagner Robert Interrogatories – Set ProSe_20100924
Date of Response: 10/13/2010

Question No. :14

Southern California Edison has existing rates for both “All Night” and “Midnight” street lighting. (See Exhibit A)

RESPONSE:

The Company is without knowledge to answer. The Company is not able to admit or deny the truth of the contents of documents prepared by a third-party.

Prepared by Douglas Webb, Senior Delivery Business Planning Analyst

Attachment: Q14 MO Verification.pdf

Verification of Response

**Kansas City Power & Light Company
AND
KCP&L Greater Missouri Operations**

Docket No. ER-2010-0355

The response to Data Request # 14 is true and accurate to the best of my knowledge and belief.

Signed: _____

Tom Rush

Date: October 12, 2010

Company Name: KCPL MO
Case Description: 2010 KCPL Rate Case
Case: ER-2010-0355

Response to Wagner Robert Interrogatories – Set ProSe_20100924
Date of Response: 10/13/2010

Question No. :17

The American Medical Association adopted the following policy in 2009:“Policy H-135.937 Advocating and Support for Light Pollution Control Efforts and Glare Reduction for Both Public Safety and Energy Savings Our AMA: (1) will advocate that all future outdoor lighting be of energy efficient designs to reduce waste of energy and production of greenhouse gasses that result from this wasted energy use; (2) supports light pollution reduction efforts and glare reduction efforts at both the national and state levels; and (3) supports efforts to ensure all future streetlights be of a fully shielded design or similar non-glare design to improve the safety of our roadways for all, but especially vision impaired and older drivers. (Res. 516, A-09).” (See Exhibit D)

RESPONSE:

The Company is without knowledge to answer. The Company is not able to admit or deny the truth of the contents of documents prepared by a third-party.

Prepared by Douglas Webb, Senior Delivery Business Planning Analyst

Attachment: Q17 MO Verification.pdf

Verification of Response

**Kansas City Power & Light Company
AND
KCP&L Greater Missouri Operations**

Docket No. ER-2010-0355

The response to Data Request # 17 is true and accurate to the best of my knowledge and belief.

Signed: _____

Tom Rush

Date: October 12, 2010