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January 5, 2011

BY HAND


Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor North
P.O. Box 3265
Harrisburg, PA 17105-3265

RE: Implementation of the Alternative Energy Portfolio Standards of 2004: Standards for the Participation of Demand Side Management Resources - Technical Reference Manual 2011 Update - Docket No. M-00051865

Dear Secretary Chiavetta:

On December 27, 2010, PPL Electric Utilities Corporation filed Comments in the above-referenced proceeding. Appendix 3, which is referenced on page 25 of the Comments, was inadvertently omitted from that filing. Therefore, enclosed are three (3) copies of Appendix 3 to be attached to the Comments filed in the above-referenced proceeding.

Respectfully Submitted,


Andrew S. Tubbs

AST/jl
Enclosures

cc: Honorable James H. Cawley
Honorable Wayne E. Gardner
Honorable Robert F. Powelson
Honorable Tyrone J. Christy
Honorable John F. Coleman, Jr.
Kriss E. Brown, Law Bureau
Greg Shawley, CEEP

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Appendix 3- Proposed Consolidation of Lighting Tables 3-1 through 3-5

Sector	Building Type	Subgroup	Usage Group / Space Type	LPD (W/ft ²)	EFLH	CR	Glazing
Residential - Transient	University	Dormitory	General	1			
Residential - Transient	University	Dormitory	Guest Room with Toilet		1196		
Residential - Transient	University	Dormitory	Hallway		2972		
Residential - Transient	Penitentiary	Standard	General	1			
Residential - Transient	Penitentiary	Standard	Dining Area	1.3			
Residential - Transient	Penitentiary	Standard	Classroom or Lecture Hall	1.3			
Residential - Transient	Penitentiary	Standard	Audience Seating	0.7			
Residential - Transient	Lodging	Hotel	Common Areas - General		8736	1	
Residential - Transient	Lodging	Hotel	Guest Rooms - General	1	1145	0.84	
Residential - Transient	Lodging	Hotel	Guest Room with Toilet		799		
Residential - Transient	Lodging	Hotel	Lobby	1.1	7884		
Residential - Transient	Lodging	Hotel	Hallway		7884		
Residential - Transient	Lodging	Hotel	Office - General		3317		
Residential - Transient	Lodging	Hotel	Laundry		4154		
Residential - Transient	Lodging	Hotel	Dining Area	1.3	3485		
Residential - Transient	Lodging	Hotel	Kitchen or Food Prep		4524		
Residential - Transient	Lodging	Hotel	Bar or Lounge		3820		
Residential - Transient	Lodging	Motel	Guest Room with Toilet		755		
Residential - Transient	Lodging	Motel	Lobby		7884		
Residential - Transient	Lodging	Motel	Hallway		7474		
Residential - Transient	Lodging	Motel	Office - General		5858		
Residential - Transient	Lodging	Motel	Laundry		4709		
Residential - Transient	Lodging	Motel	Dining Area	1.2	3485		
Residential - Transient	Lodging	Motel	Kitchen or Food Prep		4524		
Residential - Permanent	Multifamily (>5 units)	Standard	General	0.7			
Assembly	Convention Center	Standard	General	1.2			
Assembly	Convention Center	Standard	Audience Seating	0.7			
Assembly	Dining & Drinking	Sit-Down / Family	General	1.6	4368	0.88	1
Assembly	Dining & Drinking	Sit-Down / Family	Dining Area	2.1	4836		
Assembly	Dining & Drinking	Sit-Down / Family	Lobby		4836		
Assembly	Dining & Drinking	Sit-Down / Family	Kitchen or Food Prep		4804		

Sector	Building Type	Subgroup	Usage Group / Space Type	IPD (W/RZ)	EFUH	Cr	Station
Assembly	Dining & Drinking	Sit-Down / Family	Restrooms		4606		
Assembly	Dining & Drinking	Cafeteria / Fast-Food	General	1.4	6,188	0.88	1
Assembly	Dining & Drinking	Cafeteria / Fast-Food	Dining Area	2.1	4850		
Assembly	Dining & Drinking	Cafeteria / Fast-Food	Lobby		4850		
Assembly	Dining & Drinking	Cafeteria / Fast-Food	Kitchen or Food Prep		4812		
Assembly	Dining & Drinking	Cafeteria / Fast-Food	Restrooms		4677		
Assembly	Dining & Drinking	Bar / Lounge	General	1.3			
Assembly	Dining & Drinking	Bar / Lounge	Dining Area	1.4			
Assembly	Exercise Facility	Fitness Club	General	1			
Assembly	Exercise Facility	Fitness Club	Exercise Area	1.4			
Assembly	Exercise Facility	Fitness Club	Playing Area	0.9			
Assembly	Exercise Facility	Fitness Club	Audience Seating	0.3			
Assembly	Exercise Facility	Gymnasium	General	1.1			
Assembly	Exercise Facility	Gymnasium	Exercise Area	0.9			
Assembly	Exercise Facility	Gymnasium	Playing Area	1.4			
Assembly	Exercise Facility	Gymnasium	Audience Seating	0.4			
Assembly	Theater	Motion Picture Theater	General	1.2			
Assembly	Theater	Motion Picture Theater	Lobby	1.1			
Assembly	Theater	Motion Picture Theater	Audience Seating	1.2			
Assembly	Theater	Performing Arts Theater	General	1.6			
Assembly	Theater	Performing Arts Theater	Lobby	3.3			
Assembly	Theater	Performing Arts Theater	Audience Seating	2.6			
Assembly	Library	Standard	General	0.3	2,566	0.77*	2
Assembly	Library	Standard	Reading Area	1.2			
Assembly	Library	Standard	Stacks	1.7			
Assembly	Library	Standard	Card File Area	1.1			
Assembly	Museum	Standard	General	1.1			
Assembly	Museum	Standard	Exhibition Area	1			
Assembly	Museum	Standard	Restoration Area	1.7			
Assembly	Museum	Standard	Banking Area	1.5			
Assembly	Museum	Standard	Storage - Inactive	0.8			
Assembly	Religious	Standard	General	1.3	1,810	0.77*	3, 4
Assembly	Religious	Standard	Audience Seating	1.7			
Assembly	Religious	Standard	Presentation Area or Choir	2.4			
Assembly	Religious	Standard	Gathering Hall	0.9			
Assembly	Sports Arena	Standard	General	1.1			
Assembly	Sports Arena	Standard	Audience Seating	0.4			
Assembly	Sports Arena	Standard	Indoor Playing Field	1.4			
Assembly	Sports Arena	Standard	Court Area	2.3			
Assembly	Sports Arena	Standard	Ring Area	2.7			
Assembly	Transportation	Standard	General	1			
Assembly	Transportation	Standard	Terminal	1.5			
Assembly	Transportation	Standard	Ticket Counter	1.5			
Assembly	Transportation	Standard	Baggage Area	1			
Assembly	Transportation	Standard	Seating	0.5			
Assembly	Transportation	Standard	Concourse	0.6			
Education	Daycare	Standard	General	0.2	2,590	0.77*	6
Education	Primary School	Standard	General	0.2	1,440	0.57*	1

Section	Building Type	Subgroup	Usage Group / Space Type	LPD (W/ft2)	FFLH	CF	Citation
Education	Primary School	Standard	Classroom or Lecture Hall	1.4	2445		
Education	Primary School	Standard	Dining Area		1347		
Education	Primary School	Standard	Kitchen or Food Prep Area		1669		
Education	Primary School	Standard	Gymnasium		2051		
Education	Secondary School	Standard	General	0.2	2,305	0.57	1
Education	Secondary School	Standard	Classroom or Lecture Hall	1.4	2445		
Education	Secondary School	Standard	Dining Area		2365		
Education	Secondary School	Standard	Kitchen or Food Prep Area		1168		
Education	Secondary School	Standard	Gymnasium		2366		
Education	Secondary School	Standard	Office - General		2323		
Education	Secondary School	Standard	Computer Lab		2137		
Education	Community College	Standard	General	0.2	3,792	0.64	1
Education	Community College	Standard	Classroom or Lecture Hall	1.4	2471		
Education	Community College	Standard	Dining Area		2580		
Education	Community College	Standard	Kitchen or Food Prep Area		2957		
Education	Community College	Standard	Office - General		2629		
Education	Community College	Standard	Computer Lab		2189		
Education	Community College	Standard	Industrial Work Area - Low Ceilings (<25')		3078		
Education	University	Standard	General	0.2	3,073	0.64	1
Education	University	Standard	Classroom or Lecture Hall	1.4	2522		
Education	University	Standard	Dining Area		2963		
Education	University	Standard	Kitchen or Food Prep Area		3072		
Education	University	Standard	Office - General		2870		
Education	University	Standard	Computer Lab		2372		
Education	University	Standard	Industrial Work Area - Low Ceilings (<25')		3099		
Business	Office	Large	General	1	2,808	0.84	1
Business	Office	Large	Office - Open	1.1	2641		
Business	Office	Large	Office - Private	1.1	2641		
Business	Office	Large	Hallway		2641		
Business	Office	Large	Conference Room	1.3	2692		
Business	Office	Large	Lobby		2692		
Business	Office	Large	Copy Room		2692		
Business	Office	Large	Restrooms		2692		
Business	Office	Large	Mechanical or Electrical Rooms		2692		
Business	Office	Small	General	1	2,808	0.84	1
Business	Office	Small	Office - Private		2594		
Business	Office	Small	Hallway		2594		
Business	Office	Small	Conference Room		2594		
Business	Office	Small	Lobby		2594		
Business	Office	Small	Copy Room		2594		
Business	Office	Small	Restrooms		2594		
Business	Office	Small	Mechanical or Electrical Rooms		2594		
Civic	Police or Fire Station	Unmanned	General	1	1,953	0.77	8
Civic	Police or Fire Station	Unmanned	Confinement Cells	0.9			
Civic	Police or Fire Station	Unmanned	Sleeping Quarters	0.3			
Civic	Police or Fire Station	Unmanned	Engine Room	0.8			
Civic	Police or Fire Station	24 Hour Operation	General	1	7,665	0.77	8
Civic	Police or Fire Station	24 Hour Operation	Confinement Cells	0.9			
Civic	Police or Fire Station	24 Hour Operation	Sleeping Quarters	0.3			

Sector	Building Type	Subgroup	Usage Group / Space Type	LPD (W/r2)	FPLHs	CF	Stations
Civic	Police or Fire Station	24 Hour Operation	Engine Room	0.8			
Civic	Public Order & Safety	Standard	General		5,366	0.77*	7
Civic	Courthouse	Standard	General	1.2			
Civic	Courthouse	Standard	Courtroom	1.9			
Civic	Courthouse	Standard	Judges Chambers	1.3			
Civic	Courthouse	Standard	Confinement Cells	0.9			
Civic	Courthouse	Standard	Exhibition Area	1.3			
Civic	Courthouse	Standard	Mail Sorting Area	1.2			
Civic	Post Office	Standard	General	1.1			
Civic	Post Office	Standard	Mail Sorting Area	1.2			
Civic	City or Town Hall	Standard	General	1.1			
Healthcare	Clinic	Standard	General	1	4,212	0.86	1
Healthcare	Hospital	Standard	General	1.2	5,588	0.84	1
Healthcare	Hospital	Standard	Medical Care		5193		
Healthcare	Hospital	Standard	Medical Lab		4257		
Healthcare	Hospital	Standard	Office - General		4873		
Healthcare	Hospital	Standard	Dining Area		5858		
Healthcare	Hospital	Standard	Kitchen or Food Prep		5858		
Healthcare	Hospital	Standard	Emergency Area	2.7			
Healthcare	Hospital	Standard	Operating Room	2.2			
Healthcare	Hospital	Standard	Recovery Area	0.8			
Healthcare	Hospital	Standard	Nurse Station	1			
Healthcare	Hospital	Standard	Exam or Treatment Room	1.5			
Healthcare	Hospital	Standard	Patient Room	0.7			
Healthcare	Hospital	Standard	Pharmacy	1.2			
Healthcare	Hospital	Standard	Nursery	0.6			
Healthcare	Hospital	Standard	Medical Supply	1.4			
Healthcare	Hospital	Standard	Physical Therapy Area	0.9			
Healthcare	Hospital	Standard	Radiology Area	0.4			
Healthcare	Hospital	Standard	Laundry	0.6			
Healthcare	Hospital	Standard	Storage - Active	0.9			
Healthcare	Hospital	Standard	Hallway	1			
Healthcare	Hospital	Standard	Lounge	0.8			
Healthcare	Hospital	Standard	Loading Dock	0.7			
Mercantile	Retail	Large (3 Story)	General	1.5	4,259	0.89	1
Mercantile	Retail	Large (3 Story)	Sales Area	1.7	3546		
Mercantile	Retail	Large (3 Story)	Main Concourse	1.7			
Mercantile	Retail	Large (3 Story)	Office - General		2596		
Mercantile	Retail	Large (3 Story)	Storage - Conditioned		2702		
Mercantile	Retail	Large (1 Story)	General	1.5	4,368	0.89	1
Mercantile	Retail	Large (1 Story)	Sales Area		4454		
Mercantile	Retail	Large (1 Story)	Office - General		2714		
Mercantile	Retail	Large (1 Story)	Storage - Conditioned		2738		
Mercantile	Retail	Large (1 Story)	Workshop - Auto		3429		
Mercantile	Retail	Large (1 Story)	Kitchen or Food Prep		3368		
Mercantile	Retail	Small	General	1.5	4,004	0.89	1
Mercantile	Retail	Small	Sales Area		3378		
Mercantile	Retail	Small	Storage - Conditioned		2753		
Mercantile	Grocery	Standard	General		5,824	0.94	1
Mercantile	Grocery	Standard	Sales Area		4964		
Mercantile	Grocery	Standard	Office - General		4526		
Mercantile	Grocery	Standard	Loading Dock		4964		

Sector	Building Type	Subgroup	Usage Group / Space Type	LPD (W/R2)	EF1H	CF	Citation
Mercantile	Grocery	Standard	Refrigerated Food Prep		4380		
Mercantile	Grocery	Standard	Refrigerated Walk-In Cooler		4380		
Mercantile	Grocery	Standard	Refrigerated Walk-In Freezer		4380		
Industrial	Manufacturing	Assembly	General	1.3	2,610	0.77*	5
Industrial	Manufacturing	Assembly	Work Area - Low Ceiling (<25')	1.2			
Industrial	Manufacturing	Assembly	Work Area - High Ceiling (>=25')	1.7			
Industrial	Manufacturing	Assembly	Work Area - Detailed Assembly	2.1			
Industrial	Manufacturing	Assembly	Equipment Room	1.2			
Industrial	Manufacturing	Assembly	Control Room	0.5			
Industrial	Manufacturing	Assembly	Hallway	0.5			
Industrial	Manufacturing	Assembly	Sleeping Quarters	1.1			
Industrial	Manufacturing	Light Industrial	General	1.3	4,290	0.63	1
Industrial	Manufacturing	Light Industrial	Work Area - High Ceiling (>=25')		3068		
Industrial	Manufacturing	Light Industrial	Storage - Unconditioned		3376		
Industrial	Manufacturing	Industrial	One Shift	1.3	2,857	0.77*	4
Industrial	Manufacturing	Industrial	Two Shifts	1.3	4,730	0.77*	4
Industrial	Manufacturing	Industrial	Three Shifts	1.3	6,631	0.77*	4
Industrial	Warehouse	Standard	General	0.8	3,900	0.85	10
Industrial	Warehouse	Standard	Fine Material Storage	1.4			
Industrial	Warehouse	Standard	Bulk Material Storage	0.9			
Utility	Storage	Conditioned	General		4,290	0.85	1
Utility	Storage	Conditioned	Storage Area		3441		
Utility	Storage	Conditioned	Office - General		3441		
Utility	Storage	Unconditioned	General		4,290	0.85	1
Utility	Storage	Unconditioned	Storage Area		3,441		
Utility	Storage	Unconditioned	Office - General		3,441		
Utility	Parking Garage	Standard	General	0.3	6,552	0.77*	4
Workshop	Workshop	Standard		1.4			
Workshop	Workshop	Automotive Facility		0.9			
Other	Other	Common Space Types	Dusk to Dawn Lighting		4,300	0	1
Other	Other	Common Space Types	Restroom	0.9			
Other	Other	Common Space Types	Hallway	0.5			
Other	Other	Common Space Types	Stairs - Active	0.6			
Other	Other	Common Space Types	Storage - Active	0.8			
Other	Other	Common Space Types	Storage - Inactive	0.3			
Other	Other	Common Space Types	Mechanical or Electrical Rooms	1.5			
Other	Other	Common Space Types	Dressing / Locker Room	0.6			
Other	Other	Common Space Types	Workshop	1.9			
Other	Other	Common Space Types	Sales Area	1.7			
Other	Other	Common Space Types	Lobby	1.3			
Other	Other	Common Space Types	Dining Area	0.9			

Sector	Building Type	Subgroup	Usage Group / Space Type	LPD (W/ft2)	EPLH	CF	Citation
Other	Other	Common Space Types	Food Prep Area	1.2			
Other	Other	Common Space Types	Laboratory	1.4			
Other	Other	Common Space Types	Lounge - Recreation	1.2			
Other	Other	Common Space Types	Audience Seating	0.9			
Other	Other	Common Space Types	Atrium - First three floors	0.6			
Other	Other	Common Space Types	Atrium - Each additional floor	0.2			
Other	Other	Other	Other		As measured	As measured	