

RATE SCHEDULE SM (CONTINUED)

Competitive Transition Charge (Effective 1-1-03 through 12-31-03)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 0.584	—	\$ 0.584	\$ 0.584	—	—
Mercury Vapor	6,650	175	0.912	\$ .912	0.912	0.912	\$ 0.912	\$ 0.912
Mercury Vapor	10,500	250	1.275	1.275	—	—	1.275	1.275
Mercury Vapor	20,000	400	2.021	2.021	—	—	2.021	2.021
Mercury Vapor	34,000	700	3.445	3.445	—	—	3.445	3.445
Mercury Vapor	51,000	1,100	4.761	4.761	—	—	4.761	4.761

Competitive Transition Charge (Effective 1-1-04 through 12-31-04)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 0.555	—	\$ 0.555	\$ 0.555	—	—
Mercury Vapor	6,650	175	0.867	\$ 0.867	0.867	0.867	\$ 0.867	\$ 0.867
Mercury Vapor	10,500	250	1.212	1.212	—	—	1.212	1.212
Mercury Vapor	20,000	400	1.921	1.921	—	—	1.921	1.921
Mercury Vapor	34,000	700	3.274	3.274	—	—	3.274	3.274
Mercury Vapor	51,000	1,100	4.525	4.525	—	—	4.525	4.525

Competitive Transition Charge (Effective 1-1-05 through 12-31-05)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 0.513	—	\$ 0.513	\$ 0.513	—	—
Mercury Vapor	6,650	175	0.801	\$ 0.801	0.801	0.801	\$ 0.801	\$ 0.801
Mercury Vapor	10,500	250	1.120	1.120	—	—	1.120	1.120
Mercury Vapor	20,000	400	1.774	1.774	—	—	1.774	1.774
Mercury Vapor	34,000	700	3.025	3.025	—	—	3.025	3.025
Mercury Vapor	51,000	1,100	4.180	4.180	—	—	4.180	4.180

Competitive Transition Charge (Effective 1-1-06 through 12-31-06)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 0.511	—	\$ 0.511	\$ 0.511	—	—
Mercury Vapor	6,650	175	0.799	\$ 0.799	0.799	0.799	\$ 0.799	\$ 0.799
Mercury Vapor	10,500	250	1.117	1.117	—	—	1.117	1.117
Mercury Vapor	20,000	400	1.770	1.770	—	—	1.770	1.770
Mercury Vapor	34,000	700	3.017	3.017	—	—	3.017	3.017
Mercury Vapor	51,000	1,100	4.169	4.169	—	—	4.169	4.169

(Continued)

RATE SCHEDULE SM (CONTINUED)

Competitive Transition Charge (Effective 1-1-07 through 12-31-07)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 0.484	—	\$0.484	\$0.484	—	—
Mercury Vapor	6,650	175	0.757	\$0.757	0.757	0.757	\$0.757	\$ 0.757
Mercury Vapor	10,500	250	1.058	1.058	—	—	1.058	1.058
Mercury Vapor	20,000	400	1.676	1.676	—	—	1.676	1.676
Mercury Vapor	34,000	700	2.857	2.857	—	—	2.857	2.857
Mercury Vapor	51,000	1,100	3.949	3.949	—	—	3.949	3.949

Competitive Transition Charge (Effective 1-1-08 through 12-31-08)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 0.450	—	\$0.450	\$0.450	—	—
Mercury Vapor	6,650	175	0.702	\$0.702	0.702	0.702	\$0.702	\$ 0.702
Mercury Vapor	10,500	250	0.982	0.982	—	—	0.982	0.982
Mercury Vapor	20,000	400	1.556	1.556	—	—	1.556	1.556
Mercury Vapor	34,000	700	2.652	2.652	—	—	2.652	2.652
Mercury Vapor	51,000	1,100	3.665	3.665	—	—	3.665	3.665

Competitive Transition Charge (Effective 1-1-09 through 12-31-09)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 0.403	—	\$0.403	\$0.403	—	—
Mercury Vapor	6,650	175	0.629	\$0.629	0.629	0.629	\$0.629	\$ 0.629
Mercury Vapor	10,500	250	0.880	0.880	—	—	0.880	0.880
Mercury Vapor	20,000	400	1.394	1.394	—	—	1.394	1.394
Mercury Vapor	34,000	700	2.377	2.377	—	—	2.377	2.377
Mercury Vapor	51,000	1,100	3.285	3.285	—	—	3.285	3.285

The Company will provide capacity (KW) and energy (KWH) under this Rate Schedule for customers who receive Basic Utility Supply Service from the Company.

Capacity and Energy Charge (Effective 1-1-99 through 12-31-99)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 1.288	—	\$2.479	\$2.777	—	—
Mercury Vapor	6,650	175	1.394	\$2.641	2.654	2.943	\$3.400	\$ 1.004
Mercury Vapor	10,500	250	1.686	2.991	—	—	3.621	1.445
Mercury Vapor	20,000	400	1.745	3.073	—	—	3.750	1.314
Mercury Vapor	34,000	700	2.724	4.056	—	—	4.971	2.334
Mercury Vapor	51,000	1,100	3.056	4.399	—	—	5.365	2.640

(Continued)

RATE SCHEDULE SM (CONTINUED)

Capacity and Energy Charge (Effective 1-1-00 through 12-31-00)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 1.724	—	\$3.301	\$3.696	—	—
Mercury Vapor	6,650	175	1.873	\$3.525	3.543	3.925	\$4.531	\$ 1.357
Mercury Vapor	10,500	250	2.271	4.000	—	—	4.834	1.952
Mercury Vapor	20,000	400	2.370	4.130	—	—	5.026	1.800
Mercury Vapor	34,000	700	3.709	5.473	—	—	6.685	3.182
Mercury Vapor	51,000	1,100	4.188	5.968	—	—	7.246	3.637

Capacity and Energy Charge (Effective 1-1-01 through 12-31-01)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 1.742	—	\$3.319	\$3.714	—	—
Mercury Vapor	6,650	175	1.901	\$3.553	3.571	3.953	\$4.559	\$ 1.385
Mercury Vapor	10,500	250	2.310	4.039	—	—	4.873	1.991
Mercury Vapor	20,000	400	2.433	4.139	—	—	5.089	1.863
Mercury Vapor	34,000	700	3.816	5.580	—	—	6.792	3.299
Mercury Vapor	51,000	1,100	4.336	6.116	—	—	7.394	3.785

Capacity and Energy Charge (Effective 1-1-02 through 12-31-02)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 1.777	—	\$3.354	\$3.749	—	—
Mercury Vapor	6,650	175	1.955	\$3.607	3.625	4.007	\$4.613	\$ 1.439
Mercury Vapor	10,500	250	2.385	4.114	—	—	4.948	2.066
Mercury Vapor	20,000	400	2.552	4.312	—	—	5.208	1.982
Mercury Vapor	34,000	700	4.019	5.783	—	—	6.995	3.502
Mercury Vapor	51,000	1,100	4.616	6.396	—	—	7.674	4.065

Capacity and Energy Charge (Effective 1-1-03 through 12-31-03)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 1.801	—	\$3.378	\$3.773	—	—
Mercury Vapor	6,650	175	1.993	\$3.645	3.663	\$4.045	\$4.651	\$ 1.477
Mercury Vapor	10,500	250	2.438	4.167	—	—	5.001	2.119
Mercury Vapor	20,000	400	2.635	4.395	—	—	5.291	2.065
Mercury Vapor	34,000	700	4.161	5.925	—	—	7.137	3.644
Mercury Vapor	51,000	1,100	4.812	6.592	—	—	7.870	4.261

(Continued)

RATE SCHEDULE SM (CONTINUED)

Capacity and Energy Charge (Effective 1-1-04 through 12-31-04)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 1.830	—	\$ 3.407	\$3.802	—	—
Mercury Vapor	6,650	175	2.038	\$3.690	3.708	4.090	\$4.696	\$ 1.522
Mercury Vapor	10,500	250	2.501	4.230	—	—	5.064	2.182
Mercury Vapor	20,000	400	2.735	4.495	—	—	5.391	2.165
Mercury Vapor	34,000	700	4.332	6.096	—	—	7.308	3.815
Mercury Vapor	51,000	1,100	5.048	6.828	—	—	8.106	4.497

Capacity and Energy Charge (Effective 1-1-05 through 12-31-05)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 1.872	—	\$3.449	\$3.844	—	—
Mercury Vapor	6,650	175	2.104	\$3.756	3.774	4.156	\$4.762	\$ 1.588
Mercury Vapor	10,500	250	2.593	4.322	—	—	5.156	2.274
Mercury Vapor	20,000	400	2.882	4.642	—	—	5.538	2.312
Mercury Vapor	34,000	700	4.581	6.345	—	—	7.557	4.064
Mercury Vapor	51,000	1,100	5.393	7.173	—	—	8.451	4.842

Capacity and Energy Charge (Effective 1-1-06 through 12-31-06)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 2.365	—	\$4.247	\$4.718	—	—
Mercury Vapor	6,650	175	2.714	\$4.703	4.707	5.163	\$5.886	\$ 2.099
Mercury Vapor	10,500	250	3.379	5.443	—	—	6.438	2.993
Mercury Vapor	20,000	400	3.890	5.990	—	—	7.059	3.210
Mercury Vapor	34,000	700	6.236	8.348	—	—	9.787	5.618
Mercury Vapor	51,000	1,100	7.499	9.641	—	—	11.148	6.846

Capacity and Energy Charge (Effective 1-1-07 through 12-31-07)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
Mercury Vapor	3,350	100	\$ 2.392	—	\$4.274	\$4.745	—	—
Mercury Vapor	6,650	175	2.756	\$4.745	4.749	5.205	\$5.928	\$ 2.141
Mercury Vapor	10,500	250	3.438	5.502	—	—	6.497	3.052
Mercury Vapor	20,000	400	3.984	6.084	—	—	7.153	3.304
Mercury Vapor	34,000	700	6.396	8.508	—	—	9.947	5.778
Mercury Vapor	51,000	1,100	7.719	9.861	—	—	11.368	7.066

(Continued)

**RATE SCHEDULE SM (CONTINUED)**

**Capacity and Energy Charge (Effective 1-1-08 through 12-31-08)**

<u>LAMP DESCRIPTION</u>			<u>OVERHEAD SUPPLY</u>		<u>UNDERGROUND SUPPLY</u>			<u>MULTIPLE UNITS</u>
<u>Type</u>	<u>Nominal</u>		<u>Wood Pole</u>	<u>Metal Pole</u>	<u>Low</u>		<u>High</u>	<u>Additional Luminaire/Pole</u>
	<u>Lumens</u>	<u>Wattage</u>			<u>Wood Pole</u>	<u>Mounting</u>	<u>Mounting</u>	
Mercury Vapor	3,350	100	\$ 2.426	—	\$4.308	\$4.779	—	—
Mercury Vapor	6,650	175	2.811	\$4.800	4.804	5.260	\$5.983	\$ 2.196
Mercury Vapor	10,500	250	3.514	5.578	—	—	6.573	3.128
Mercury Vapor	20,000	400	4.104	6.204	—	—	7.273	3.424
Mercury Vapor	34,000	700	6.601	8.713	—	—	10.152	5.983
Mercury Vapor	51,000	1,100	8.003	10.145	—	—	11.652	7.350

**Capacity and Energy Charge (Effective 1-1-09 through 12-31-09)**

<u>LAMP DESCRIPTION</u>			<u>OVERHEAD SUPPLY</u>		<u>UNDERGROUND SUPPLY</u>			<u>MULTIPLE UNITS</u>
<u>Type</u>	<u>Nominal</u>		<u>Wood Pole</u>	<u>Metal Pole</u>	<u>Low</u>		<u>High</u>	<u>Additional Luminaire/Pole</u>
	<u>Lumens</u>	<u>Wattage</u>			<u>Wood Pole</u>	<u>Mounting</u>	<u>Mounting</u>	
Mercury Vapor	3,350	100	\$ 2.473	—	\$ 4.355	\$ 4.826	—	—
Mercury Vapor	6,650	175	2.884	\$4.873	4.877	5.332	\$6.056	\$ 2.269
Mercury Vapor	10,500	250	3.616	5.680	—	—	6.675	3.230
Mercury Vapor	20,000	400	4.266	6.366	—	—	7.435	3.586
Mercury Vapor	34,000	700	6.876	8.988	—	—	10.427	6.258
Mercury Vapor	51,000	1,100	8.383	10.525	—	—	12.032	7.730

**Transmission Charge (Effective 1-1-99)**

The Company will provide and charge for transmission service consistent with the PJM Open Access Transmission Tariff approved or accepted by the Federal Energy Regulatory Commission for customers who receive Basic Utility Supply Service from the Company unless such customers obtain transmission service from another provider.

(2) The number of KWH supplied is based upon the average hours use and input wattage of each luminaire.

(3) The Company, at its option, may offer appropriate overhead rates set forth above to customers in recognition of their either installing, owning and/or paying for portions of a street lighting installation.

(4) Whenever customer requests an installation hereunder which requires an investment by the Company greater than five (5) times the estimated annual revenue, the Company, at its option, may install the lamps as requested upon payment by the customer of such estimated excess costs.

(Continued)

**RATE SCHEDULE SM (CONTINUED)****STANDARD INSTALLATION AND SERVICE**

All necessary street lighting facilities are supplied, installed, operated and maintained by Company and are connected to Company's available general distribution system. The equipment installed under the above rate is of the type currently being furnished by Company at the time service is originally contracted for.

**Wood Pole Overhead Service.** Lamps are mounted on Company's wood poles or on other supports not supplied by Company specifically for street lighting purposes, and are supplied by overhead wires. Lamp fixtures are mounted on brackets or mast arms. A standard installation under the above rates includes one span of secondary per location.

**Metal Pole Overhead Service.** Lamps are mounted on steel street lighting poles not exceeding 35 feet in height and supplied by overhead wires. A standard installation under the above rates includes one span of secondary per location.

**Wood Pole Underground Service.** Lamps are mounted on Company's wood or fiberglass street lighting poles and are supplied by underground wires. A standard installation under the above rates includes a maximum of 150 circuit feet of cable and trenching and backfilling.

**Low Mounting Underground Service.** Lamps are mounted on Company's low mounting street lighting poles and are supplied by underground cable. A standard installation under the above rates includes a maximum of 150 circuit feet of cable and trenching and backfilling.

**High Mounting Underground Service.** Lamps are mounted on metal street lighting poles not exceeding 35 feet in height and supplied by underground cable. A standard installation under the above rates includes a maximum of 175 circuit feet of cable and trenching and backfilling.

All lamps are lighted from dusk to dawn every night, or for approximately 4,300 hours per annum.

**CONTINUOUS OPERATION**

At customer request, individual lamps may be operated continuously 24 hours per day. The net monthly rate for continuous operation shall be 160% of the aforementioned applicable net monthly rates.

**SPECIAL INSTALLATIONS**

Whenever customer requests an installation that is not in conformity with the aforementioned STANDARD INSTALLATION AND SERVICE provisions, Company may, at its option, install the lamps as requested upon payment in advance by the customer of the estimated installed cost of facilities required in excess of that required for standard installation or of the excess investment in special equipment over that of standard equipment. The maintenance of special equipment is subject to (1) time and ability to obtain replacement, and (2) advance payment of the then excess cost over standard for each replacement.

(Continued)

RATE SCHEDULE SM (CONTINUED)

CUSTOMER CONTRIBUTION

When the Company permits the customer to finance all or a portion of the Company's cost of a street lighting installation, the Company will recognize this financing by crediting customer's street lighting account over 120 consecutive bills with an amount equal to customer's contribution plus interest.

REMOVALS

If customer requests Company to remove any part of a mercury vapor street lighting system to install another mercury vapor street lighting system or any other type of street lighting system and if the mercury vapor luminaires, supporting brackets, poles and/or conductors which are removed as a result of any requested removal, are less than ten years old, Company will charge for and Customer shall pay for such a change. The charge will be based upon Company's estimated costs for removal and rehabilitation plus the estimated remaining life value of the removed equipment less salvage. However, if the Customer's request is made to upgrade the lighting on the street to Illuminating Engineering Society standards, the Company may waive the charge calculated hereunder.

CUSTOMER-OWNED EQUIPMENT

(C)

Whenever the customer furnishes, installs and owns the entire lighting system using equipment approved by and installed in a manner acceptable to the Company, the Company may, at its discretion, operate and maintain the system at the following net monthly rates.

Distribution Charge (Effective 1-1-99)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum</u>	<u>Initial Lumens</u>	
100	3,350		\$ 4.203
175	6,650		6.024
250	10,500		8.100
400	20,000		11.638

Competitive Transition Charge (Effective 1-1-99 through 12-31-99)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum</u>	<u>Initial Lumens</u>	
100	3,350		\$ 0.678
175	6,650		1.059
250	10,500		1.480
400	20,000		2.345

(Continued)

RATE SCHEDULE SM (CONTINUED)

Competitive Transition Charge (Effective 1-1-00 through 12-31-00)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>		
100	3,350		\$ 0.661
175	6,650		1.032
250	10,500		1.442
400	20,000		2.286

Competitive Transition Charge (Effective 1-1-01 through 12-31-01)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>		
100	3,350		\$ 0.643
175	6,650		1.004
250	10,500		1.403
400	20,000		2.223

Competitive Transition Charge (Effective 1-1-02 through 12-31-02)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>		
100	3,350		\$ 0.608
175	6,650		0.950
250	10,500		1.328
400	20,000		2.104

Competitive Transition Charge (Effective 1-1-03 through 12-31-03)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>		
100	3,350		\$ 0.584
175	6,650		0.912
250	10,500		1.275
400	20,000		2.021

Competitive Transition Charge (Effective 1-1-04 through 12-31-04)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>		
100	3,350		\$ 0.555
175	6,650		0.867
250	10,500		1.212
400	20,000		1.921

(Continued)

RATE SCHEDULE SM (CONTINUED)

Competitive Transition Charge (Effective 1-1-05 through 12-31-05)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum</u>	<u>Initial Lumens</u>	
100	3,350		\$ 0.513
175	6,650		0.801
250	10,500		1.120
400	20,000		1.774

Competitive Transition Charge (Effective 1-1-06 through 12-31-06)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum</u>	<u>Initial Lumens</u>	
100	3,350		\$ 0.511
175	6,650		0.799
250	10,500		1.117
400	20,000		1.770

Competitive Transition Charge (Effective 1-1-07 through 12-31-07)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum</u>	<u>Initial Lumens</u>	
100	3,350		\$ 0.484
175	6,650		0.757
250	10,500		1.058
400	20,000		1.676

Competitive Transition Charge (Effective 1-1-08 through 12-31-08)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum</u>	<u>Initial Lumens</u>	
100	3,350		\$ 0.450
175	6,650		0.702
250	10,500		0.982
400	20,000		1.556

Competitive Transition Charge (Effective 1-1-09 through 12-31-09)

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum</u>	<u>Initial Lumens</u>	
100	3,350		\$ 0.403
175	6,650		0.629
250	10,500		0.880
400	20,000		1.394

(Continued)

**RATE SCHEDULE SM (CONTINUED)**

The Company will provide capacity (KW) and energy (KWH) under this Rate Schedule for customers who receive Basic Utility Supply Service from the Company.

**Capacity and Energy Charge (Effective 1-1-99 through 12-31-99)**

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>		
100	3,350		\$ 0.478
175	6,650		0.604
250	10,500		0.760
400	20,000		0.889

**Capacity and Energy Charge (Effective 1-1-00 through 12-31-00)**

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>		
100	3,350		\$ 0.650
175	6,650		0.827
250	10,500		1.045
400	20,000		1.237

**Capacity and Energy Charge (Effective 1-1-01 through 12-31-01)**

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>		
100	3,350		\$ 0.668
175	6,650		0.855
250	10,500		1.084
400	20,000		1.300

**Capacity and Energy Charge (Effective 1-1-02 through 12-31-02)**

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>		
100	3,350		\$ 0.703
175	6,650		0.909
250	10,500		1.159
400	20,000		1.419

**Capacity and Energy Charge (Effective 1-1-03 through 12-31-03)**

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>		
100	3,350		\$ 0.727
175	6,650		0.947
250	10,500		1.212
400	20,000		1.502

(Continued)

**RATE SCHEDULE SM (CONTINUED)**

Capacity and Energy Charge (Effective 1-1-04 through 12-31-04)

<u>Wattage</u>	<u>Lamp Size</u>	<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>	
100	3,350	\$ 0.756
175	6,650	0.992
250	10,500	1.275
400	20,000	1.602

Capacity and Energy Charge (Effective 1-1-05 through 12-31-05)

<u>Wattage</u>	<u>Lamp Size</u>	<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>	
100	3,350	\$ 0.798
175	6,650	1.058
250	10,500	1.367
400	20,000	1.749

Capacity and Energy Charge (Effective 1-1-06 through 12-31-06)

<u>Wattage</u>	<u>Lamp Size</u>	<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>	
100	3,350	\$ 1.083
175	6,650	1.466
250	10,500	1.916
400	20,000	2.539

Capacity and Energy Charge (Effective 1-1-07 through 12-31-07)

<u>Wattage</u>	<u>Lamp Size</u>	<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>	
100	3,350	\$ 1.110
175	6,650	1.508
250	10,500	1.975
400	20,000	2.632

Capacity and Energy Charge (Effective 1-1-08 through 12-31-08)

<u>Wattage</u>	<u>Lamp Size</u>	<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>	
100	3,350	\$ 1.144
175	6,650	1.563
250	10,500	2.051
400	20,000	2.752

(Continued)

**RATE SCHEDULE SM (CONTINUED)**

**Capacity and Energy Charge (Effective 1-1-09 through 12-31-09)**

<u>Wattage</u>	<u>Lamp Size</u>		<u>Customer Owns and Company Operates &amp; Maintains</u>
	<u>Minimum Initial Lumens</u>		
100	3,350		\$ 1.191
175	6,650		1.636
250	10,500		2.153
400	20,000		2.914

**Transmission Charge (Effective 1-1-99)**

The Company will provide and charge for transmission service consistent with the PJM Open Access Transmission Tariff approved or accepted by the Federal Energy Regulatory Commission for customers who receive Basic Utility Supply Service from the Company unless such customers obtain transmission service from another provider.

The number of KWH supplied is based upon the average hours use and input wattage of each luminaire.

The Company's responsibility under the aforementioned charges for maintaining the customer-owned lighting system is limited to relamping, cleaning fixtures, and painting poles requiring paint, but does not include relocating or replacing all or any part of the street lighting facilities.

(C)

**COMPETITIVE TRANSITION CHARGE RECONCILIATION RIDER**

(C)

The Competitive Transition Charge Reconciliation Rider included in this Tariff applies to the Competitive Transition Charges under this Rate Schedule.

**SUSTAINABLE ENERGY FUND RIDER**

(C)

The Sustainable Energy Fund Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

**METERING AND BILLING CREDIT RIDER**

(C)

The Metering and Billing Credit Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

**STATE TAX ADJUSTMENT SURCHARGE**

The State Tax Adjustment Surcharge included in this Tariff is applied to charges under this Rate Schedule.

(C)

(Continued)

(C) Indicates Change

**RATE SCHEDULE SM (CONTINUED)**

**PAYMENT**

The above net rate applies when bills are paid on or before the due date specified on the bill, which is not less than 30 days from the date bill is mailed for municipalities and other governmental agencies and 15 days for private owner or agencies. When not so paid the gross rate applies which is the above net rate plus 5% on the first \$200.00 of the then unpaid balance of the monthly bill and 2% on the remainder thereof.

**CONTRACT PERIOD**

Ten (10) years and thereafter until terminated in accordance with contract provisions.

**RATE SCHEDULE SHS  
 HIGH PRESSURE SODIUM STREET LIGHTING SERVICE**

**APPLICATION OF RATE SCHEDULE SHS**

This Rate Schedule is for lighting service from overhead or underground facilities on public areas such as streets, highways, bridges and parks, to municipalities, other governmental agencies, or private property customers when all such service is supplied under Company's standard form of contract in accordance with the various laws applicable thereto.

The application of this Rate Schedule is limited as follows:

- (a) metal pole overhead - existing locations served under another of the Company's street lighting rate schedules and locations previously served under Hershey Electric Company Rate Schedule SMVO.

**NET MONTHLY RATE**

(C)

**(1) Lamp Prices**

**Distribution Charge (Effective 1-1-99)**

<u>LAMP DESCRIPTION</u>			<u>OVERHEAD SUPPLY</u>		<u>UNDERGROUND SUPPLY</u>			<u>MULTIPLE UNITS</u>
<u>Type</u>	<u>Nominal Lumens</u>	<u>Wattage</u>	<u>Wood Pole</u>	<u>Metal Pole</u>	<u>Wood Pole</u>	<u>Low Mounting</u>	<u>High Mounting</u>	<u>Additional Luminaire/Pole</u>
H.P.Sodium	5,800	70	\$ 7.130	\$ 10.053	\$ 11.702	\$ 11.810	—	\$ 6.383
H.P.Sodium	9,500	100	8.004	10.720	12.710	12.784	\$ 15.469	7.221
H.P.Sodium	16,000	150	9.011	11.601	—	—	16.336	7.557
H.P.Sodium	25,500	250	12.657	14.915	—	—	22.660	10.439
H.P.Sodium	50,000	400	16.660	18.613	—	—	26.477	12.828

**Competitive Transition Charge (Effective 1-1-99 through 12-31-99)**

<u>LAMP DESCRIPTION</u>			<u>OVERHEAD SUPPLY</u>		<u>UNDERGROUND SUPPLY</u>			<u>MULTIPLE UNITS</u>
<u>Type</u>	<u>Nominal Lumens</u>	<u>Wattage</u>	<u>Wood Pole</u>	<u>Metal Pole</u>	<u>Wood Pole</u>	<u>Low Mounting</u>	<u>High Mounting</u>	<u>Additional Luminaire/Pole</u>
H.P.Sodium	5,800	70	\$ 0.411	\$ 0.411	\$ 0.411	\$ 0.411	—	\$ 0.411
H.P.Sodium	9,500	100	0.489	0.489	0.489	0.489	\$ 0.489	0.489
H.P.Sodium	16,000	150	0.867	0.867	—	—	0.867	0.867
H.P.Sodium	25,500	250	1.564	1.564	—	—	1.564	1.564
H.P.Sodium	50,000	400	2.455	2.455	—	—	2.455	2.455

**Competitive Transition Charge (Effective 1-1-00 through 12-31-00)**

<u>LAMP DESCRIPTION</u>			<u>OVERHEAD SUPPLY</u>		<u>UNDERGROUND SUPPLY</u>			<u>MULTIPLE UNITS</u>
<u>Type</u>	<u>Nominal Lumens</u>	<u>Wattage</u>	<u>Wood Pole</u>	<u>Metal Pole</u>	<u>Wood Pole</u>	<u>Low Mounting</u>	<u>High Mounting</u>	<u>Additional Luminaire/Pole</u>
H.P.Sodium	5,800	70	\$ 0.400	\$ 0.400	\$ 0.400	\$ 0.400	—	\$ 0.400
H.P.Sodium	9,500	100	0.574	0.574	0.574	0.574	\$ 0.574	0.574
H.P.Sodium	16,000	150	0.845	0.845	—	—	0.845	0.845
H.P.Sodium	25,500	250	1.524	1.524	—	—	1.524	1.524
H.P.Sodium	50,000	400	2.393	2.393	—	—	2.393	2.393

(Continued)

(C) Indicates Change

RATE SCHEDULE SHS (CONTINUED)

Competitive Transition Charge (Effective 1-1-01 through 12-31-01)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 0.389	\$ 0.389	\$ 0.389	\$ 0.389	—	\$ 0.389
H.P.Sodium	9,500	100	0.559	0.559	0.559	0.559	\$ 0.559	0.559
H.P.Sodium	16,000	150	0.821	0.821	—	—	0.821	0.821
H.P.Sodium	25,500	250	1.482	1.482	—	—	1.482	1.482
H.P.Sodium	50,000	400	2.327	2.327	—	—	2.327	2.327

Competitive Transition Charge (Effective 1-1-02 through 12-31-02)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 0.369	\$ 0.369	\$ 0.369	\$ 0.369	—	\$ 0.369
H.P.Sodium	9,500	100	0.529	0.529	0.529	0.529	\$ 0.529	0.529
H.P.Sodium	16,000	150	0.777	0.777	—	—	0.777	0.777
H.P.Sodium	25,500	250	1.403	1.403	—	—	1.403	1.403
H.P.Sodium	50,000	400	2.202	2.202	—	—	2.202	2.202

Competitive Transition Charge (Effective 1-1-03 through 12-31-03)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 0.354	\$ 0.354	\$ 0.354	\$ 0.354	—	\$ 0.354
H.P.Sodium	9,500	100	0.508	0.508	0.508	0.508	\$ 0.508	0.508
H.P.Sodium	16,000	150	0.747	0.747	—	—	0.747	0.747
H.P.Sodium	25,500	250	1.348	1.348	—	—	1.348	1.348
H.P.Sodium	50,000	400	2.115	2.115	—	—	2.115	2.115

Competitive Transition Charge (Effective 1-1-04 through 12-31-04)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 0.336	\$ 0.336	\$ 0.336	\$ 0.336	—	\$ 0.336
H.P.Sodium	9,500	100	0.483	0.483	0.483	0.483	\$ 0.483	0.483
H.P.Sodium	16,000	150	0.710	0.710	—	—	0.710	0.710
H.P.Sodium	25,500	250	1.281	1.281	—	—	1.281	1.281
H.P.Sodium	50,000	400	2.010	2.010	—	—	2.010	2.010

Competitive Transition Charge (Effective 1-1-05 through 12-31-05)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 0.311	\$ 0.311	\$ 0.311	\$ 0.311	—	\$ 0.311
H.P.Sodium	9,500	100	0.446	0.446	0.446	0.446	\$ 0.446	0.446
H.P.Sodium	16,000	150	0.656	0.656	—	—	0.656	0.656
H.P.Sodium	25,500	250	1.183	1.183	—	—	1.183	1.183
H.P.Sodium	50,000	400	1.857	1.857	—	—	1.857	1.857

(Continued)

RATE SCHEDULE SHS (CONTINUED)

Competitive Transition Charge (Effective 1-1-06 through 12-31-06)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 0.310	\$ 0.310	\$ 0.310	\$ 0.310	—	\$ 0.310
H.P.Sodium	9,500	100	0.445	0.445	0.445	0.445	\$ 0.445	0.445
H.P.Sodium	16,000	150	0.654	0.654	—	—	0.654	0.654
H.P.Sodium	25,500	250	1.180	1.180	—	—	1.180	1.180
H.P.Sodium	50,000	400	1.852	1.852	—	—	1.852	1.852

Competitive Transition Charge (Effective 1-1-07 through 12-31-07)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 0.294	\$ 0.294	\$ 0.294	\$ 0.294	—	\$ 0.294
H.P.Sodium	9,500	100	0.421	0.421	0.421	0.421	\$ 0.421	0.421
H.P.Sodium	16,000	150	0.619	0.619	—	—	0.619	0.619
H.P.Sodium	25,500	250	1.118	1.118	—	—	1.118	1.118
H.P.Sodium	50,000	400	1.754	1.754	—	—	1.754	1.754

Competitive Transition Charge (Effective 1-1-08 through 12-31-08)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 0.273	\$ 0.273	\$ 0.273	\$ 0.273	—	\$ 0.273
H.P.Sodium	9,500	100	0.391	0.391	0.391	0.391	\$ 0.391	0.391
H.P.Sodium	16,000	150	0.575	0.575	—	—	0.575	0.575
H.P.Sodium	25,500	250	1.037	1.037	—	—	1.037	1.037
H.P.Sodium	50,000	400	1.628	1.628	—	—	1.628	1.628

Competitive Transition Charge (Effective 1-1-09 through 12-31-09)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 0.244	\$ 0.244	\$ 0.244	\$ 0.244	—	\$ 0.244
H.P.Sodium	9,500	100	0.350	0.350	0.350	0.350	\$ 0.350	0.350
H.P.Sodium	16,000	150	0.515	0.515	—	—	0.515	0.515
H.P.Sodium	25,500	250	0.930	0.930	—	—	0.930	0.930
H.P.Sodium	50,000	400	1.459	1.459	—	—	1.459	1.459

(Continued)

**RATE SCHEDULE SHS (CONTINUED)**

The Company will provide capacity (KW) and energy (KWH) under this Rate Schedule for customers who receive Basic Utility Supply Service from the Company.

**Capacity and Energy Charge (Effective 1-1-99 through 12-31-99)**

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 1.578	\$ 2.389	\$ 2.848	\$ 2.874	—	\$ 1.371
H.P.Sodium	9,500	100	1.647	2.400	2.953	2.974	\$ 3.719	1.429
H.P.Sodium	16,000	150	1.654	2.374	—	—	3.689	1.256
H.P.Sodium	25,500	250	1.987	2.612	—	—	4.763	1.369
H.P.Sodium	50,000	400	2.226	2.768	—	—	4.952	1.161

**Capacity and Energy Charge (Effective 1-1-00 through 12-31-00)**

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 1.994	\$ 3.013	\$ 3.589	\$ 3.621	—	\$ 1.733
H.P.Sodium	9,500	100	2.084	3.031	3.725	3.751	\$ 4.688	1.810
H.P.Sodium	16,000	150	2.101	3.005	—	—	4.656	1.600
H.P.Sodium	25,500	250	2.536	3.321	—	—	6.024	1.760
H.P.Sodium	50,000	400	2.858	3.539	—	—	6.283	1.521

**Capacity and Energy Charge (Effective 1-1-01 through 12-31-01)**

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 2.005	\$ 3.024	\$ 3.600	\$ 3.632	—	\$ 1.744
H.P.Sodium	9,500	100	2.099	3.046	3.740	3.766	\$ 4.703	1.825
H.P.Sodium	16,000	150	2.125	3.029	—	—	4.680	1.624
H.P.Sodium	25,500	250	2.578	3.363	—	—	6.066	1.802
H.P.Sodium	50,000	400	2.924	3.605	—	—	6.349	1.587

**Capacity and Energy Charge (Effective 1-1-02 through 12-31-02)**

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 2.025	\$ 3.044	\$ 3.620	\$ 3.652	—	\$ 1.764
H.P.Sodium	9,500	100	2.129	3.076	3.770	3.796	\$ 4.733	1.855
H.P.Sodium	16,000	150	2.169	3.073	—	—	4.724	1.668
H.P.Sodium	25,500	250	2.657	3.442	—	—	6.145	1.861
H.P.Sodium	50,000	400	3.049	3.730	—	—	6.474	1.712

**Capacity and Energy Charge (Effective 1-1-03 through 12-31-03)**

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 2.040	\$ 3.059	\$ 3.635	\$ 3.667	—	\$ 1.779
H.P.Sodium	9,500	100	2.150	3.097	3.791	3.817	\$ 4.754	1.876
H.P.Sodium	16,000	150	2.199	3.103	—	—	4.754	1.698
H.P.Sodium	25,500	250	2.712	3.497	—	—	6.200	1.936
H.P.Sodium	50,000	400	3.136	3.817	—	—	6.561	1.799

(Continued)

RATE SCHEDULE SHS (CONTINUED)

Capacity and Energy Charge (Effective 1-1-04 through 12-31-04)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P. Sodium	5,800	70	\$ 2.058	\$ 3.077	\$ 3.653	\$ 3.685	—	\$ 1.787
H.P. Sodium	9,500	100	2.175	3.122	3.816	3.842	\$ 4.779	1.901
H.P. Sodium	16,000	150	2.236	3.140	—	—	4.791	1.735
H.P. Sodium	25,500	250	2.779	3.564	—	—	6.267	2.003
H.P. Sodium	50,000	400	3.241	3.922	—	—	6.666	1.904

Capacity and Energy Charge (Effective 1-1-05 through 12-31-05)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P. Sodium	5,800	70	\$ 2.083	\$ 3.102	\$ 3.678	\$ 3.710	—	\$ 1.822
H.P. Sodium	9,500	100	2.212	3.159	3.853	3.879	\$ 4.816	1.938
H.P. Sodium	16,000	150	2.290	3.194	—	—	4.845	1.789
H.P. Sodium	25,500	250	2.877	3.662	—	—	6.365	2.101
H.P. Sodium	50,000	400	3.394	4.075	—	—	6.819	2.057

Capacity and Energy Charge (Effective 1-1-06 through 12-31-06)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P. Sodium	5,800	70	\$ 2.565	\$ 3.781	\$ 4.468	\$ 4.507	—	\$ 2.254
H.P. Sodium	9,500	100	2.753	3.883	4.711	4.742	\$ 5.860	2.426
H.P. Sodium	16,000	150	2.900	3.978	—	—	5.949	2.302
H.P. Sodium	25,500	250	3.734	4.671	—	—	7.896	2.808
H.P. Sodium	50,000	400	4.523	5.335	—	—	8.610	2.927

Capacity and Energy Charge (Effective 1-1-07 through 12-31-07)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P. Sodium	5,800	70	\$ 2.581	\$ 3.787	\$ 4.484	\$ 4.523	—	\$ 2.270
H.P. Sodium	9,500	100	2.777	3.907	4.735	4.766	\$ 5.884	2.450
H.P. Sodium	16,000	150	2.935	4.013	—	—	5.984	2.337
H.P. Sodium	25,500	250	3.796	4.733	—	—	7.958	2.870
H.P. Sodium	50,000	400	4.621	5.433	—	—	8.708	3.025

Capacity and Energy Charge (Effective 1-1-08 through 12-31-08)

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P. Sodium	5,800	70	\$ 2.602	\$ 3.818	\$ 4.505	\$ 4.544	—	\$ 2.291
H.P. Sodium	9,500	100	2.807	3.937	4.765	4.796	\$ 5.914	2.480
H.P. Sodium	16,000	150	2.978	4.056	—	—	6.027	2.380
H.P. Sodium	25,500	250	3.877	4.814	—	—	8.039	2.951
H.P. Sodium	50,000	400	4.747	5.559	—	—	8.834	3.151

(Continued)

**RATE SCHEDULE SHS (CONTINUED)**

**Capacity and Energy Charge (Effective 1-1-09 through 12-31-09)**

LAMP DESCRIPTION			OVERHEAD SUPPLY		UNDERGROUND SUPPLY			MULTIPLE UNITS
Type	Nominal Lumens	Wattage	Wood Pole	Metal Pole	Wood Pole	Low Mounting	High Mounting	Additional Luminaire/Pole
H.P.Sodium	5,800	70	\$ 2.631	\$ 3.847	\$ 4.534	\$ 4.573	—	\$ 2.320
H.P.Sodium	9,500	100	2.848	3.978	4.806	4.837	\$ 5.955	2.521
H.P.Sodium	16,000	150	3.039	4.117	—	—	6.088	2.441
H.P.Sodium	25,500	250	3.984	4.921	—	—	8.146	3.058
H.P.Sodium	50,000	400	4.916	5.728	—	—	9.003	3.320

**Transmission Charge (Effective 1-1-99)**

The Company will provide and charge for transmission service consistent with the PJM Open Access Transmission Tariff approved or accepted by the Federal Energy Regulatory Commission for customers who receive Basic Utility Supply Service from the Company unless such customers obtain transmission service from another provider.

(2) The number of KWH supplied is based upon the average house use and input wattage of each luminaire.

(3) The Company, at its option, may offer appropriate overhead rates set forth above to customers in recognition of their either installing, owning and/or paying for portions of a street lighting installation.

(4) Whenever customer requests an installation hereunder which requires an investment by the Company greater than five (5) times the estimated annual revenue, the Company, at its option, may install the lamps as requested upon payment by the customer of such estimated excess costs.

**STANDARD INSTALLATION AND SERVICE**

All necessary street lighting facilities are supplied, installed, operated and maintained by Company and are connected to Company's available general distribution system. The equipment installed under the above rate is of the type currently being furnished by Company at the time service is contracted for.

**Wood Pole Overhead Service.** Lamps are mounted on Company's wood poles, or other supports not supplied by Company specifically for street lighting purposes, and are supplied by overhead wires. Luminaires are mounted on brackets or mast arms. A standard installation under the above rates includes one span of secondary conductor per location.

**Metal Pole Overhead Service.** Lamps are mounted on Company's existing metal poles served by overhead wires. No new overhead supplied metal pole installations will be made under this rate schedule.

(Continued)

(C) Indicates Change

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**RATE SCHEDULE SHS (CONTINUED)**

**Wood Pole Underground Service.** Lamps are mounted on Company's wood or fiberglass street lighting poles and are supplied by underground wires. A standard installation under the above rates includes a maximum of 150 circuit feet of cable and trenching and backfilling.

**Low Mounting Underground Service.** Lamps are mounted on Company's low mounting street lighting poles and are supplied by underground cable. A standard installation under the above rates includes a maximum of 150 circuit feet of cable and trenching and backfilling.

**High Mounting Underground Service.** Lamps are mounted on Company's high mounting metal street lighting poles not exceeding 35 feet in height and are supplied by underground cable. A standard installation under the above rates includes a maximum of 175 circuit feet of cable and trenching and backfilling.

**Multiple Unit Service.** When practical, each additional lamp after the first mounted on a street lighting pole is billed under the above Multiple Unit rate. A standard installation under the above rates includes only the luminaire, lamp, photocontrol, bracket or mast arm and wire in the bracket or mast arm.

All lamps are lighted from dusk to dawn every night, or for approximately 4,300 hours per annum.

**CONTINUOUS OPERATION**

At customer request, individual lamps may be operated continuously 24 hours per day. The net monthly rate for continuous operation shall be 160% of the aforementioned applicable net monthly rates.

**SPECIAL INSTALLATIONS**

Whenever customer requests an installation that is not in conformity with the aforementioned STANDARD INSTALLATION AND SERVICE provisions, Company may, at its option, install the lamps as requested upon payment in advance by the customer of the estimated installed cost of facilities required in excess of that required for standard installation or of the excess investment in special equipment over that of standard equipment. The maintenance of special equipment is subject to (1) time and ability to obtain replacement, and (2) advance payment of the then excess cost over standard for each replacement.

**CUSTOMER CONTRIBUTION**

When the Company permits the customer to finance all or a portion of the Company's cost of a street lighting installation, the Company will recognize this financing by crediting customer's street lighting account over 120 consecutive bills with an amount equal to customer's contribution plus interest.

(Continued)

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**RATE SCHEDULE SHS (CONTINUED)****REMOVALS**

If customer requests Company to remove any part of a mercury vapor street lighting system to install high pressure sodium street lighting equipment or to remove any part of a high pressure sodium street lighting system to install another high pressure sodium street lighting system or any other type of street lighting system and if the mercury vapor or high pressure sodium luminaires, supporting brackets, poles and/or conductors which are to be removed as a result of any requested removal, are less than ten years old, Company will charge for and Customer shall pay for such a change. The charge will be based upon Company's estimated costs for removal and rehabilitation plus the estimated remaining life value of the removed equipment less salvage. However, if the Customer's request is made to upgrade the lighting on the street to Illuminating Engineering Society standards, the Company may waive the charge calculated hereunder.

(C)

**COMPETITIVE TRANSITION CHARGE RECONCILIATION RIDER**

(C)

The Competitive Transition Charge Reconciliation Rider included in this Tariff applies to the Competitive Transition Charges under this Rate Schedule.

**SUSTAINABLE ENERGY FUND RIDER**

(C)

The Sustainable Energy Fund Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

**METERING AND BILLING CREDIT RIDER**

The Metering and Billing Credit Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

**STATE TAX ADJUSTMENT SURCHARGE**

The State Tax Adjustment Surcharge included in this Tariff is applied to charges under this Rate Schedule.

(C)

**PAYMENT**

The above net rate applies when bills are paid on or before the due date specified on the bill, which is not less than 30 days from the date bill is mailed for municipalities and other governmental agencies and 15 days for private owner or agencies. When not so paid, the gross rate applies which is the above net rate plus 5% on the first \$200.00 of the then unpaid balance of the monthly bill and 2% on the remainder thereof.

**CONTRACT PERIOD**

Ten (10) years and thereafter until terminated in accordance with contract provisions.

**RATE SCHEDULE SE  
 ENERGY ONLY STREET LIGHTING SERVICE**

**APPLICATION OF RATE SCHEDULE SE**

This Rate Schedule is available only to municipalities or other governmental agencies for the operation of mercury vapor, high pressure sodium, or metal halide street lighting systems on public areas such as streets, highways, bridges and parks where the municipality or other governmental agency provides for the installation, ownership, operation and maintenance of the street lighting equipment.

**NET MONTHLY RATE**

(C)

(1) Distribution Charge (Effective 1-1-99)	
Street Lighting Equipment on Company Pole.....	6.125 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	2.729 cts. per KWH
Competitive Transition Charge (Effective 1-1-99 through 12-31-99)	
Street Lighting Equipment on Company Pole.....	1.381 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.497 cts. per KWH
Competitive Transition Charge (Effective 1-1-00 through 12-31-00)	
Street Lighting Equipment on Company Pole.....	1.346 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.636 cts. per KWH
Competitive Transition Charge (Effective 1-1-01 through 12-31-01)	
Street Lighting Equipment on Company Pole.....	1.309 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.636 cts. per KWH
Competitive Transition Charge (Effective 1-1-02 through 12-31-02)	
Street Lighting Equipment on Company Pole.....	1.239 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.636 cts. per KWH
Competitive Transition Charge (Effective 1-1-03 through 12-31-03)	
Street Lighting Equipment on Company Pole.....	1.190 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.636 cts. per KWH
Competitive Transition Charge (Effective 1-1-04 through 12-31-04)	
Street Lighting Equipment on Company Pole.....	1.131 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.636 cts. per KWH
Competitive Transition Charge (Effective 1-1-05 through 12-31-05)	
Street Lighting Equipment on Company Pole.....	1.045 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.636 cts. per KWH
Competitive Transition Charge (Effective 1-1-06 through 12-31-06)	
Street Lighting Equipment on Company Pole.....	1.042 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.820 cts. per KWH
Competitive Transition Charge (Effective 1-1-07 through 12-31-07)	
Street Lighting Equipment on Company Pole.....	0.987 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.820 cts. per KWH

(Continued)

(C) Indicates Change

Issued August 12, 1998

Effective January 1, 1999

**RATE SCHEDULE SE (CONTINUED)**

<b>Competitive Transition Charge (Effective 1-1-08 through 12-31-08)</b>	
Street Lighting Equipment on Company Pole.....	0.916 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.820 cts. per KWH
<b>Competitive Transition Charge (Effective 1-1-09 through 12-31-09)</b>	
Street Lighting Equipment on Company Pole.....	0.821 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.820 cts. per KWH
The Company will provide capacity (KW) and energy (KWH) under this Rate Schedule for customers who receive Basic Utility Supply Service from the Company.	
<b>Capacity and Energy Charge(Effective 1-1-99 through 12-31-99)</b>	
Street Lighting Equipment on Company Pole.....	0.041 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.000 cts. per KWH
<b>Capacity and Energy Charge (Effective 1-1-00 through 12-31-00)</b>	
Street Lighting Equipment on Company Pole.....	0.475 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.000 cts. per KWH
<b>Capacity and Energy Charge (Effective 1-1-01 through 12-31-01)</b>	
Street Lighting Equipment on Company Pole.....	0.512 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.000 cts. per KWH
<b>Competitive Transition Charge (Effective 1-1-02 through 12-31-02)</b>	
Street Lighting Equipment on Company Pole.....	0.582 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.000 cts. per KWH
<b>Capacity and Energy Charge (Effective 1-1-03 through 12-31-03)</b>	
Street Lighting Equipment on Company Pole.....	0.631 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.000 cts. per KWH
<b>Capacity and Energy Charge (Effective 1-1-04 through 12-31-04)</b>	
Street Lighting Equipment on Company Pole.....	0.690 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.000 cts. per KWH
<b>Capacity and Energy Charge (Effective 1-1-05 through 12-31-05)</b>	
Street Lighting Equipment on Company Pole.....	0.776 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.000 cts. per KWH
<b>Capacity and Energy Charge (Effective 1-1-06 through 12-31-06)</b>	
Street Lighting Equipment on Company Pole.....	1.192 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.000 cts. per KWH
<b>Capacity and Energy Charge (Effective 1-1-07 through 12-31-07)</b>	
Street Lighting Equipment on Company Pole.....	1.247 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.000 cts. per KWH
<b>Capacity and Energy Charge (Effective 1-1-08 through 12-31-08)</b>	
Street Lighting Equipment on Company Pole.....	1.318 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.000 cts. per KWH

(Continued)

**RATE SCHEDULE SE (CONTINUED)**

<b>Capacity and Energy Charge (Effective 1-1-09 through 12-31-09)</b>	
Street Lighting Equipment on Company Pole.....	1.413 cts. per KWH
Street Lighting Equipment on Customer Pole or Support.....	0.000 cts. per KWH

**Transmission Charge (Effective 1-1-99)**

The Company will provide and charge for transmission service consistent with the PJM Open Access Transmission Tariff approved or accepted by the Federal Energy Regulatory Commission for customers who receive Basic Utility Supply Service from the Company unless such customers obtain transmission service from another provider.

(2) Service hereunder is unmetered with the number of KWH billed for each size lamp calculated based upon the estimated input wattage of the luminaire and 4,300 burning hours per year.

**MINIMUM SYSTEM**

Application is limited to mercury vapor, high pressure sodium, or metal halide street lights in systems of a minimum of 100 contiguous lamps of one customer. Customer-owned street lights served hereunder may not be intermixed with street lights served under the Company's other street lighting rate schedules.

The 100 lamp minimum may, at Company's option, be waived when a customer desires to take service for its entire street lighting requirements hereunder and said total requirement is less than the 100 lamp minimum.

**INITIAL SYSTEM AND FUTURE ADDITIONS**

The Customer provides advance written notice to Company (at least 90 days for initial systems or 30 days for additions to existing systems) of its intentions to install customer-owned street lighting hereunder. The notification includes the location, wattage, lumen size, type of equipment and proposed installation date. In addition, for customer-owned street lighting proposed for installation on Company's poles the customer provides the construction specifications for Company's approval.

**STANDARD INSTALLATION AND SERVICE**

Street Lighting Equipment on Company Wood Pole: The customer provides, installs, operates and maintains the street lighting luminaire, lamp, control, bracket and the wire from the luminaire to the point of connection with the Company's overhead general distribution system. The Company provides, installs, operates and maintains the wood pole and the overhead secondary wire from Company's general distribution system to the point of connection with customer's wire. Generally, the customer will attach its street lighting system to Company's existing poles; but the Company at its option provides, installs, operates and maintains a maximum of one wood pole and one span of secondary conductor to new locations requested by the customer. The installation by Company in excess of one wood pole and one span of secondary conductor to serve a customer-owned street light is at customer's expense.

(Continued)

**RATE SCHEDULE SE (CONTINUED)**

Street Lighting Equipment on Customer Pole or Support: The customer provides, installs, operates and maintains the street lighting luminaire, lamp, control, bracket, pole or support, foundation and wire between poles or supports. The Company provides, installs, operates and maintains one span of overhead secondary conductor to a group of street lights, as defined by Company, on customer-owned poles or supports. The installation by Company in excess of one span of overhead secondary to a group of customer-owned street lights is at customer's expense.

Customer-owned street lighting equipment mounted on poles or supports of other utilities with whom Company has joint-use agreements are billed at the rate for Street Lighting Equipment on Company Poles.

Customer-owned street lighting installed as multiple units on a Company or other utility pole are billed at the rate for Street Lighting Equipment on customer Pole or Support. Multiple units are defined hereunder as additional lamps installed on a Company or other utility pole already supporting customer-owned street lighting equipment.

Customer-owned street lighting equipment is installed in accordance with Company and industry safety codes and, where installed on Company poles, in accordance with general Company specifications for similar equipment.

Any rearrangements, replacements or relocations of Company's electric distribution system required solely for the installation, operation or maintenance of customer's street lighting equipment are at customer's expense.

The Company makes all connections of customer's street lighting system to the Company's available general distribution system. Generally customer-owned street lighting equipment will be served at 120 volts or 240 volts. However, at Company's option, customer-owned street lighting equipment mounted on customer pole or support may be served at other available secondary voltages.

All luminaires served hereunder are operated at alternating current, 60 hertz, single phase and are controlled by photo control for dusk to dawn operation every night, approximately 4,300 hours per year.

All relocations of customer-owned street lighting equipment are at customer's expense.

**CONTINUOUS OPERATION**

When the customer operates individual lamps continuously 24 hours per day, the KWH billed hereunder is doubled for those individual lamps operated continuously.

(Continued)

**RATE SCHEDULE SE (CONTINUED)**

**IDENTIFICATION**

Each customer-owned luminaire and support bracket served hereunder must be marked by customer with two adjacent wraps of 2 inch wide, yellow and black diagonal striped, pressure sensitive tape, clearly identifiable by a groundlevel observer, that indicates customer ownership of the equipment. Company will supply customer with sufficient tape to mark the equipment. In addition, customer notifies the public of customer's ownership of and responsibility for the street lighting equipment in the areas served hereunder and advertises a customer telephone number for public use in reporting malfunctioning equipment.

**CHANGE IN SIZE AND TYPE OF STREET LIGHTING UNIT**

Written notice of any change in size or type of any components of customer's street lighting system by location is furnished by customer to Company not more than 14 days after the date of such change.

**AUDITING**

The Company has the right to periodically audit the number and size of lamps of customer's street lighting system. The customer agrees to cooperate with Company during such audits.

(C)

**COMPETITIVE TRANSITION CHARGE RECONCILIATION RIDER**

(C)

The Competitive Transition Charge Reconciliation Rider included in this Tariff applies to the Competitive Transition Charges under this Rate Schedule.

**SUSTAINABLE ENERGY AND FUND RIDER**

(C)

The Sustainable Energy Fund Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

**METERING AND BILLING CREDIT RIDER**

(C)

The Metering and Billing Credit Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

**STATE TAX ADJUSTMENT SURCHARGE**

The State Tax Adjustment Surcharge included in this Tariff is applied to charges under this Rate Schedule.

(C)

(Continued)

(C) Indicates Change

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RATE SCHEDULE SE (CONTINUED)

PAYMENT

The above net rate applies when bills are paid on or before the due date specified on the bill, which is not less than 30 days from the date bill is mailed. When not so paid the gross rate applies which is the above net rate plus 5% on the first \$200.00 of the then unpaid balance of the monthly bill and 2% on the remainder thereof.

ATTACHMENT AGREEMENT

Customer signs the Company's standard Attachment Agreement for those luminaires mounted by customer on Company's poles. The Attachment Agreement includes indemnification of Company by customer and provides for purchase of public liability and property damage insurance by customer.

CONTRACT PERIOD

Service under this Rate Schedule is for an initial term of one (1) year from the date service is first rendered and thereafter for one (1) year terms until canceled by one month's prior written notice or terminated in accordance with contract provisions.

(C)

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## RATE SCHEDULE TS(R)

### MUNICIPAL TRAFFIC SIGNAL LIGHTING SERVICE

This Rate Schedule is in the process of elimination and service hereunder is available only to existing locations continuously supplied hereunder as of August 26, 1976.

#### APPLICATION OF RATE SCHEDULE TS(R)

This Rate Schedule is for traffic signal lighting service to cities, boroughs, and townships. The minimum under this rate schedule is 50 watts.

#### NET MONTHLY RATE

(C)

- Distribution Charge (Effective 1-1-99)  
4.545 cts. per watt of connected load.
- Competitive Transition Charge (Effective 1-1-99 through 12-31-99)  
1.008 cts. per watt of connected load.
- Competitive Transition Charge (Effective 1-1-00 through 12-31-00)  
0.983 cts. per watt of connected load.
- Competitive Transition Charge (Effective 1-1-01 through 12-31-01)  
0.956 cts. per watt of connected load.
- Competitive Transition Charge (Effective 1-1-02 through 12-31-02)  
0.905 cts. per watt of connected load.
- Competitive Transition Charge (Effective 1-1-03 through 12-31-03)  
0.869 cts. per watt of connected load.
- Competitive Transition Charge (Effective 1-1-04 through 12-31-04)  
0.826 cts. per watt of connected load.
- Competitive Transition Charge (Effective 1-1-05 through 12-31-05)  
0.763 cts. per watt of connected load.
- Competitive Transition Charge (Effective 1-1-06 through 12-31-06)  
0.761 cts. per watt of connected load.
- Competitive Transition Charge (Effective 1-1-07 through 12-31-07)  
0.721 cts. per watt of connected load.
- Competitive Transition Charge (Effective 1-1-08 through 12-31-08)  
0.669 cts. per watt of connected load.
- Competitive Transition Charge (Effective 1-1-09 through 12-31-09)  
0.599 cts. per watt of connected load.

The Company will provide capacity (KW) and energy (KWH) under this Rate Schedule for customers who receive Basic Utility Supply Service from the Company.

Capacity and Energy Charge (Effective 1-1-99 through 12-31-99)  
2.308 cts. per watt of connected load.

Capacity and Energy Charge (Effective 1-1-00 through 12-31-00)  
2.670 cts. per watt of connected load.

(Continued)

**RATE SCHEDULE TS(R) (CONTINUED)**

Capacity and Energy Charge (Effective 1-1-01 through 12-31-01)  
2.697 cts. per watt of connected load.

Capacity and Energy Charge (Effective 1-1-02 through 12-31-02)  
2.748 cts. per watt of connected load.

Capacity and Energy Charge (Effective 1-1-03 through 12-31-03)  
2.784 cts. per watt of connected load.

Capacity and Energy Charge (Effective 1-1-04 through 12-31-04)  
2.827 cts. per watt of connected load.

Capacity and Energy Charge (Effective 1-1-05 through 12-31-05)  
2.890 cts. per watt of connected load.

Capacity and Energy Charge (Effective 1-1-06 through 12-31-06)  
3.313 cts. per watt of connected load.

Capacity and Energy Charge (Effective 1-1-07 through 12-31-07)  
3.353 cts. per watt of connected load.

Capacity and Energy Charge (Effective 1-1-08 through 12-31-08)  
3.405 cts. per watt of connected load.

Capacity and Energy Charge (Effective 1-1-09 through 12-31-09)  
3.475 cts. per watt of connected load.

Transmission Charge (Effective 1-1-99)

The Company will provide and charge for transmission service consistent with the PJM Open Access Transmission Tariff approved or accepted by the Federal Energy Regulatory Commission for customers who receive Basic Utility Supply Service from the Company unless such customers obtain transmission service from another provider.

The number of KWH supplied is based upon the average hours use and size of lamps.

**MONTHLY MINIMUMS**

(C)

The Monthly Minimum Distribution Charge is \$2.27. The Monthly Minimum Competitive Transition Charge is 50 Watts times the effective Competitive Transition Charge. The Monthly Minimum Capacity and Energy Charge is 50 Watts times the effective Capacity and Energy Charge.

Monthly Minimums apply to services provided by the Company.

(C)

(C)

**COMPETITIVE TRANSITION CHARGE RECONCILIATION RIDER**

(C)

The Competitive Transition Charge Reconciliation Rider included in this Tariff applies to the Competitive Transition Charges under this Rate Schedule.

(Continued)

(C) Indicates Change

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RATE SCHEDULE TS(R) (CONTINUED)

SUSTAINABLE ENERGY FUND RIDER

(C)

The Sustainable Energy Fund Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

METERING AND BILLING CREDIT RIDER

(C)

The Metering and Billing Credit Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

STATE TAX ADJUSTMENT SURCHARGE

The State Tax Adjustment Surcharge included in this Tariff is applied to charges under this Rate Schedule.

(C)

PAYMENT

Payment shall be made on or before the due date specified on the bill, which is not less than 30 days from the date bill is mailed. When not so paid the gross rate applies which is the above net rate plus 5% on the first \$200.00 of the then unpaid balance of the monthly bill and 2% on the remainder thereof.

CONTRACT PERIOD

Service under this Rate Schedule is for an initial term of one (1) year from the date service is first rendered and thereafter for one (1) year terms until canceled by one month's prior written notice.

(C)

(C) Indicates Change

RATE SCHEDULE SI-1(R)  
 MUNICIPAL STREET LIGHTING SERVICE

The application of this Rate Schedule to all service will be eliminated as of January 1, 2002. The rates for available incandescent lamps are limited to those fixtures and lamp sizes installed on or before and supplied continuously after March 28, 1972. No new incandescent street lighting installations will be provided by the Company.

APPLICATION OF RATE SCHEDULE SI-1(R)

This Rate Schedule is for municipal lighting service on public streets, highways, bridges, parks, etc., to municipalities or other governmental agencies when all such service is supplied under the Company's standard form of contract in accordance with the various laws applicable thereto.

NET MONTHLY RATE

(C)

Distribution Charge (Effective 1-1-99)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$4.099	—
Incandescent	1,000	5.081	—
Incandescent	4,000	—	\$15.133

Competitive Transition Charge (Effective 1-1-99 through 12-31-99)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.287	—
Incandescent	1,000	0.510	—
Incandescent	4,000	—	\$1.618

Competitive Transition Charge (Effective 1-1-00 through 12-31-00)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.279	—
Incandescent	1,000	0.497	—
Incandescent	4,000	—	\$1.577

Competitive Transition Charge (Effective 1-1-01 through 12-31-01)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.272	—
Incandescent	1,000	0.483	—
Incandescent	4,000	—	\$1.534

(Continued)

RATE SCHEDULE SI-1(R) (CONTINUED)

Competitive Transition Charge (Effective 1-1-02 through 12-31-02)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.257	—
Incandescent	1,000	0.457	—
Incandescent	4,000	—	\$1.452

Competitive Transition Charge (Effective 1-1-03 through 12-31-03)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.247	—
Incandescent	1,000	0.439	—
Incandescent	4,000	—	\$1.394

Competitive Transition Charge (Effective 1-1-04 through 12-31-04)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.235	—
Incandescent	1,000	0.418	—
Incandescent	4,000	—	\$1.325

Competitive Transition Charge (Effective 1-1-05 through 12-31-05)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.217	—
Incandescent	1,000	0.386	—
Incandescent	4,000	—	\$1.224

Competitive Transition Charge (Effective 1-1-06 through 12-31-06)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.216	—
Incandescent	1,000	0.385	—
Incandescent	4,000	—	\$1.221

Competitive Transition Charge (Effective 1-1-07 through 12-31-07)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.205	—
Incandescent	1,000	0.364	—
Incandescent	4,000	—	\$1.156

(Continued)

RATE SCHEDULE SI-1(R) (CONTINUED)

Competitive Transition Charge (Effective 1-1-08 through 12-31-08)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.190	—
Incandescent	1,000	0.338	—
Incandescent	4,000	—	\$1.073

Competitive Transition Charge (Effective 1-1-09 through 12-31-09)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.170	—
Incandescent	1,000	0.303	—
Incandescent	4,000	—	\$0.962

The Company will provide capacity (KW) and energy (KWH) under this Rate Schedule for customers who receive Basic Utility Supply Service from the Company.

Capacity and Energy Charge (Effective 1-1-99 through 12-31-99)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$0.830	—
Incandescent	1,000	0.882	—
Incandescent	4,000	—	\$2.535

Capacity and Energy Charge (Effective 1-1-00 through 12-31-00)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$1.085	—
Incandescent	1,000	1.159	—
Incandescent	4,000	—	\$3.332

Capacity and Energy Charge (Effective 1-1-01 through 12-31-01)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$1.092	—
Incandescent	1,000	1.173	—
Incandescent	4,000	—	\$3.375

Capacity and Energy Charge (Effective 1-1-02 through 12-31-02)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$1.107	—
Incandescent	1,000	1.199	—
Incandescent	4,000	—	\$3.457

(Continued)

RATE SCHEDULE SI-1(R) (CONTINUED)

Capacity and Energy Charge (Effective 1-1-03 through 12-31-03)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$1.117	—
Incandescent	1,000	1.217	—
Incandescent	4,000	—	\$3.515

Capacity and Energy Charge (Effective 1-1-04 through 12-31-04)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$1.129	—
Incandescent	1,000	1.238	—
Incandescent	4,000	—	\$3.584

Capacity and Energy Charge (Effective 1-1-05 through 12-31-05)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$1.147	—
Incandescent	1,000	1.270	—
Incandescent	4,000	—	\$3.685

Capacity and Energy Charge (Effective 1-1-06 through 12-31-06)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$1.424	—
Incandescent	1,000	1.614	—
Incandescent	4,000	—	\$4.709

Capacity and Energy Charge (Effective 1-1-07 through 12-31-07)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$1.435	—
Incandescent	1,000	1.635	—
Incandescent	4,000	—	\$4.774

Capacity and Energy Charge (Effective 1-1-08 through 12-31-08)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$1.450	—
Incandescent	1,000	1.661	—
Incandescent	4,000	—	\$4.857

(Continued)

**RATE SCHEDULE SI-1(R)**

Capacity and Energy Charge (Effective 1-1-09 through 12-31-09)

<u>LAMP DESCRIPTION</u>		<u>OVERHEAD SUPPLY</u>	<u>UNDERGROUND SUPPLY</u>
<u>Type</u>	<u>Lumens</u>	<u>Wood Pole</u>	<u>Low Mounting</u>
Incandescent	600	\$1.470	---
Incandescent	1,000	1.696	---
Incandescent	4,000	---	\$4.968

Transmission Charge (Effective 1-1-99)

The Company will provide and charge for transmission service consistent with the PJM Open Access Transmission Tariff approved or accepted by the Federal Energy Regulatory Commission for customers who receive Basic Utility Supply Service from the Company unless such customers obtain transmission service from another provider.

The number of KWH supplied is based upon the average hours use and size of lamps.

**STANDARD INSTALLATION AND SERVICE**

All necessary street lighting facilities are supplied, installed, operated and maintained by the Company and are connected to the Company's general distribution system.

Wood Pole Overhead Service. Lamps are mounted on the Company's wood poles or on other supports not supplied by the Company specifically for street lighting purposes, and are supplied by overhead wires.

Low Mounting Underground Service. Lamps are mounted on street lighting poles approximately 14 feet in height and supplied by underground cable.

All lamps are lighted from dusk-to-dawn each and every night, or for approximately 4,300 hours per annum.

All relocations of lamps ordered by the customer are at the customer's expense.

**COMPETITIVE TRANSITION CHARGE RECONCILIATION RIDER**

The Competitive Transition Charge Reconciliation Rider included in this Tariff applies to the Competitive Transition Charges under this Rate Schedule.

**SUSTAINABLE ENERGY FUND RIDER**

The Sustainable Energy Fund Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

(Continued)

(C) Indicates Change

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RATE SCHEDULE SI-1(R)

METERING AND BILLING CREDIT RIDER

(C)

The Metering and Billing Credit Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

STATE TAX ADJUSTMENT SURCHARGE

The State Tax Adjustment Surcharge included in this Tariff is applied to charges under this Rate Schedule.

(C)

PAYMENT

The above net rate applies when bills are paid on or before the due date specified on the bill, which is not less than 30 days from date bill is mailed. When not so paid the gross rate applies which is the above net rate plus 5% on the first \$200.00 of the unpaid balance of the monthly bill and 2% on the remainder thereof.

CONTRACT PERIOD

Ten (10) years and thereafter until terminated in accordance with contract provisions.

## RATE SCHEDULE GH-1(R)

### SINGLE METER COMMERCIAL SPACE HEATING SERVICE

This Rate Schedule is in the process of elimination and is available only to service locations supplied hereunder continuously on or after August 21, 1972, and to locations served under discontinued Rate Schedule GH-4 as of September 26, 1984.

#### APPLICATION RATE SCHEDULE GH-1(R)

This Rate Schedule is for all electric commercial service supplied through one meter when electricity is the sole source of all of the customer's energy requirements including electric space heating in accordance with the APPLICATION PROVISIONS hereof. Applications may include wholesale and retail trade and associated warehousing operations, office buildings, and establishments providing professional, personal or business services.

Electric space heating facilities shall be permanently installed and operated for personal comfort. Service hereunder is supplied at secondary voltage or at a higher voltage at Company's option, is available only for service supplied continuously throughout the year and is not available for temporary service for less than one year.

#### NET MONTHLY RATE

Distribution Charge (Effective 1-1-99)

\$ 14.97 per month plus

\$ 1.30 per KW of the Billing KW.

1.005 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.

0.867 cts. per KWH for all additional KWH.

Competitive Transition Charge (Effective 1-1-99 through 12-31-99)

2.679 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.

2.312 cts. per KWH for all additional KWH.

Competitive Transition Charge (Effective 1-1-00 through 12-31-00)

2.679 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.

2.312 cts. per KWH for all additional KWH.

Competitive Transition Charge (Effective 1-1-01 through 12-31-01)

2.672 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.

2.306 cts. per KWH for all additional KWH.

Competitive Transition Charge (Effective 1-1-02 through 12-31-02)

2.589 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.

2.234 cts. per KWH for all additional KWH.

Competitive Transition Charge (Effective 1-1-03 through 12-31-03)

2.551 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.

2.201 cts. per KWH for all additional KWH.

Competitive Transition Charge (Effective 1-1-04 through 12-31-04)

2.485 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.

2.144 cts. per KWH for all additional KWH.

Competitive Transition Charge (Effective 1-1-05 through 12-31-05)

2.361 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.

2.037 cts. per KWH for all additional KWH.

(Continued)

(C) Indicates Change

**RATE SCHEDULE GH-1(R) (CONTINUED)****Competitive Transition Charge (Effective 1-1-06 through 12-31-06)**

2.407 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
2.077 cts. per KWH for all additional KWH.

**Competitive Transition Charge (Effective 1-1-07 through 12-31-07)**

2.330 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
2.011 cts. per KWH for all additional KWH.

**Competitive Transition Charge (Effective 1-1-08 through 12-31-08)**

2.213 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
1.910 cts. per KWH for all additional KWH.

**Competitive Transition Charge (Effective 1-1-09 through 12-31-09)**

2.030 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
1.752 cts. per KWH for all additional KWH.

The Company will provide capacity (KW) and energy (KWH) under this Rate Schedule for customers who receive Basic Utility Supply Service from the Company.

**Capacity and Energy Charge (Effective 1-1-99 through 12-31-99)**

4.212 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
3.576 cts. per KWH for all additional KWH.

**Capacity and Energy Charge (Effective 1-1-00 through 12-31-00)**

4.593 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
3.900 cts. per KWH for all additional KWH.

**Capacity and Energy Charge (Effective 1-1-01 through 12-31-01)**

4.600 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
3.906 cts. per KWH for all additional KWH.

**Capacity and Energy Charge (Effective 1-1-02 through 12-31-02)**

4.683 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
3.978 cts. per KWH for all additional KWH.

**Capacity and Energy Charge (Effective 1-1-03 through 12-31-03)**

4.721 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
4.011 cts. per KWH for all additional KWH.

**Capacity and Energy Charge (Effective 1-1-04 through 12-31-04)**

4.787 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
4.068 cts. per KWH for all additional KWH.

**Capacity and Energy Charge (Effective 1-1-05 through 12-31-05)**

4.911 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
4.175 cts. per KWH for all additional KWH.

**Capacity and Energy Charge (Effective 1-1-06 through 12-31-06)**

5.341 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
4.540 cts. per KWH for all additional KWH.

(Continued)

(C) Indicates Change

## RATE SCHEDULE GH-1(R) (CONTINUED)

## Capacity and Energy Charge (Effective 1-1-07 through 12-31-07)

5.418 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
4.606 cts. per KWH for all additional KWH.

## Capacity and Energy Charge (Effective 1-1-08 through 12-31-08)

5.535 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
4.707 cts. per KWH for all additional KWH.

## Capacity and Energy Charge (Effective 1-1-09 through 12-31-09)

5.718 cts. per KWH for the first 150 KWH per kilowatt of Billing KW but not more than 6000 KWH.  
4.865 cts. per KWH for all additional KWH.

## Transmission Charge (Effective 1-1-99)

The Company will provide and charge for transmission service consistent with the PJM Open Access Transmission Tariff approved or accepted by the Federal Energy Regulatory Commission for customers who receive Basic Utility Supply Service from the Company unless such customers obtain transmission service from another provider.

Net Monthly Billing is reduced by 0.05 cts. per KWH for customers, formerly on Rate Schedule GH-3(R) Total Electric Service - Schools and Churches, taking primary service at 12,000 volts or higher, but billing may not be reduced below the minimum provisions hereof.

## MONTHLY MINIMUM

The Monthly Minimum Distribution Charge is \$14.97. Monthly Minimums apply to services provided by the Company.

(C)

## BILLING KW

The Billing KW is the average kilowatts supplied during the 15 minute period of maximum use during the current billing period.

Time-of-Day metering and billing is available on request for an additional charge of \$14.97 per month for a minimum period of one year. The Billing KW applicable to the charges under this Rate Schedule is the average number of kilowatts supplied during the 15 minute period of maximum use during the on-peak hours of the current billing period. For new applications, this provision is limited to customers of the Company who have not had the opportunity to purchase capacity and energy from their choice of electric generation supplier pursuant to the enrollment procedures contained in the commission's order at Docket Nos. M-00960890F.0014 and M-00960890F.0015. No new applications will be accepted after January 1, 2000.

(C)

## ON-PEAK HOURS

On-peak hours for billing purposes are 7 a.m. to 3 p.m., 8 a.m. to 4 p.m., or 9 a.m. to 5 p.m. local time, at the option of the customer, Mondays to Fridays inclusive, except New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. The Company's system on-peak period is 7 a.m. to 9 p.m. local time.

(Continued)

**RATE SCHEDULE GH-1(R) (CONTINUED)**

**BUDGET BILLING**

Budget Billing is available at the option of the customer for charges under this Rate Schedule. (C)  
(C)

**OPTIONAL POWER WATCH™ SERVICE RIDER - COMMERCIAL (EXPERIMENTAL)**

The Optional POWER WATCH™ Service Rider - Commercial included in this Tariff is available to eligible customers served under this Rate Schedule.

(C)

(C)

**COMPETITIVE TRANSITION CHARGE RECONCILIATION RIDER**

(C)

The Competitive Transition Charge Reconciliation Rider included in this Tariff applies to the Competitive Transition Charges under this Rate Schedule.

**SUSTAINABLE ENERGY FUND RIDER**

(C)

The Sustainable Energy Fund Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

**METERING AND BILLING CREDIT RIDER**

(C)

The Metering and Billing Credit Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

**STATE TAX ADJUSTMENT SURCHARGE**

The State Tax Adjustment Surcharge included in this Tariff is applied to charges under this Rate Schedule.

(C)

**PAYMENT**

The above net rate applies when bills are paid on or before the due date specified on the bills, which is not less than 15 days from the date bill is mailed. When not so paid, the gross rate applies which is the above net rate plus 5% on the first \$200.00 of the then unpaid balance of the monthly bill and 2% on the remainder thereof.

**CONTRACT PERIOD**

Service under this Rate Schedule is for an initial term of one (1) year from the date service is first rendered and thereafter for one (1) year terms until canceled by one month's prior written notice.

(C)

(Continued)

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**RATE SCHEDULE GH-1(R) (CONTINUED)****APPLICATION PROVISIONS**

(1) This Rate Schedule applies to single meter service for all of customer's energy requirements, under the following conditions:

- (a) The facilities for electric space heating are, in Company's judgment, a significant and integral portion of customer's total energy requirements to be supplied hereunder.
- (b) Service supplied hereunder includes all energy requirements on customer's premises in a building.
- (c) All service in one building is supplied at one voltage from one service connection.
- (d) Another form of energy may be used for classroom instruction, for emergency lighting generators and, upon Company approval, for other similar uses.
- (e) When customer occupies an entire building, service hereunder may include uses of service outside the building only when they are directly incident to the principal use of service in the building.

(2) Supplemental use of renewable energy sources such as wood, solar, wind and water is permitted in conjunction with service supplied hereunder without violating the total electric energy requirement of this Rate Schedule. Any customer system of this type that produces electric energy may not be operated concurrently with service supplied by the Company except under written agreement setting forth the conditions of such operation.

## RATE SCHEDULE GH-2(R) SEPARATE METER GENERAL SPACE HEATING SERVICE

This Rate Schedule is in the process of elimination and is available only to service locations supplied hereunder continuously on or after August 21, 1972, and also to prospective service locations where a definite rate commitment has been made as of that date for so long as service is continuous thereafter.

### APPLICATION OF RATE SCHEDULE GH-2(R)

This Rate Schedule is for separately metered electric space heating service to customers whose general use is supplied under some other general service rate schedule in accordance with the APPLICATION PROVISIONS hereof and may include service for general use in an all electric apartment building when individual living units in the building are metered separately under a residential rate schedule.

Electric space heating facilities shall be permanently installed and operated for personal comfort. Service hereunder is supplied at secondary voltage or at a higher voltage at Company's option, is available only for service supplied continuously throughout the year and is not available for temporary service for less than one year.

### NET MONTHLY RATE

(C)

- Distribution Charge (Effective 1-1-99)  
\$ 17.46 including 200 KWH, plus  
0.770 cts. per KWH for all KWH in excess of 200 KWH.
- Competitive Transition Charge (Effective 1-1-99 through 12-31-99)  
2.554 cts. per KWH for all KWH in excess of 200 KWH.
- Competitive Transition Charge (Effective 1-1-00 through 12-31-00)  
2.555 cts. per KWH for all KWH in excess of 200 KWH.
- Competitive Transition Charge (Effective 1-1-01 through 12-31-01)  
2.547 cts. per KWH for all KWH in excess of 200 KWH.
- Competitive Transition Charge (Effective 1-1-02 through 12-31-02)  
2.468 cts. per KWH for all KWH in excess of 200 KWH.
- Competitive Transition Charge (Effective 1-1-03 through 12-31-03)  
2.431 cts. per KWH for all KWH in excess of 200 KWH.
- Competitive Transition Charge (Effective 1-1-04 through 12-31-04)  
2.368 cts. per KWH for all KWH in excess of 200 KWH.
- Competitive Transition Charge (Effective 1-1-05 through 12-31-05)  
2.249 cts. per KWH for all KWH in excess of 200 KWH.
- Competitive Transition Charge (Effective 1-1-06 through 12-31-06)  
2.294 cts. per KWH for all KWH in excess of 200 KWH.

(Continued)

**RATE SCHEDULE GH-2(R) (CONTINUED)**

Competitive Transition Charge (Effective 1-1-07 through 12-31-07)  
2.221 cts. per KWH for all KWH in excess of 200 KWH.

Competitive Transition Charge (Effective 1-1-08 through 12-31-08)  
2.110 cts. per KWH for all KWH in excess of 200 KWH.

Competitive Transition Charge (Effective 1-1-09 through 12-31-09)  
1.935 cts. per KWH for all KWH in excess of 200 KWH.

The Company will provide capacity (KW) and energy (KWH) under this Rate Schedule for customers who receive Basic Utility Supply Service from the Company.

Capacity and Energy Charge (Effective 1-1-99 through 12-31-99)  
-0.425 cts. per KWH for first 200 KWH.  
3.986 cts. per KWH for all KWH in excess of 200 KWH.

Capacity and Energy Charge (Effective 1-1-00 through 12-31-00)  
-0.463 cts. per KWH for first 200 KWH.  
4.343 cts. per KWH for all KWH in excess of 200 KWH.

Capacity and Energy Charge (Effective 1-1-01 through 12-31-01)  
-0.463 cts. per KWH for first 200 KWH.  
4.351 cts. per KWH for all KWH in excess of 200 KWH.

Capacity and Energy Charge (Effective 1-1-02 through 12-31-02)  
-0.463 cts. per KWH for first 200 KWH.  
4.430 cts. per KWH for all KWH in excess of 200 KWH.

Capacity and Energy Charge (Effective 1-1-03 through 12-31-03)  
-0.463 cts. per KWH for first 200 KWH.  
4.467 cts. per KWH for all KWH in excess of 200 KWH.

Capacity and Energy Charge (Effective 1-1-04 through 12-31-04)  
-0.463 cts. per KWH for first 200 KWH.  
4.530 cts. per KWH for all KWH in excess of 200 KWH.

Capacity and Energy Charge (Effective 1-1-05 through 12-31-05)  
-0.463 cts. per KWH for first 200 KWH.  
4.649 cts. per KWH for all KWH in excess of 200 KWH.

Capacity and Energy Charge (Effective 1-1-06 through 12-31-06)  
-0.508 cts. per KWH for first 200 KWH.  
5.051 cts. per KWH for all KWH in excess of 200 KWH.

Capacity and Energy Charge (Effective 1-1-07 through 12-31-07)  
-0.507 cts. per KWH for first 200 KWH.  
5.124 cts. per KWH for all KWH in excess of 200 KWH.

Capacity and Energy Charge (Effective 1-1-08 through 12-31-08)  
-0.506 cts. per KWH for first 200 KWH.  
5.235 cts. per KWH for all KWH in excess of 200 KWH.

(Continued)

**RATE SCHEDULE GH-2(R) (CONTINUED)**

Capacity and Energy Charge (Effective 1-1-09 through 12-31-09)  
-0.505 cts. per KWH for first 200 KWH.  
5.410 cts. per KWH for all KWH in excess of 200 KWH.

**Transmission Charge (Effective 1-1-99)**

The Company will provide and charge for transmission service consistent with the PJM Open Access Transmission Tariff approved or accepted by the Federal Energy Regulatory Commission for customers who receive Basic Utility Supply Service from the Company unless such customers obtain transmission service from another provider.

**MONTHLY MINIMUM**

(C)

The Monthly Minimum Distribution Charge is \$17.46 which includes 200 KWH use. Monthly Minimums apply to services provided by the Company.

**BUDGET BILLING**

Budget Billing is available at the option of the customer for charges under this Rate Schedule. (C)

(C)

(C)

**COMPETITIVE TRANSITION CHARGE RECONCILIATION RIDER**

(C)

The Competitive Transition Charge Reconciliation Rider included in this Tariff applies to the Competitive Transition Charges under this Rate Schedule.

**SUSTAINABLE ENERGY FUND RIDER**

(C)

The Sustainable Energy Fund Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

**METERING AND BILLING CREDIT RIDER**

(C)

The Metering and Billing Credit Rider included in this Tariff applies to the Distribution Charges under this Rate Schedule.

**STATE TAX ADJUSTMENT SURCHARGE**

The State Tax Adjustment Surcharge included in this Tariff is applied to charges under this Rate Schedule. (C)

(C)

(Continued)

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**RATE SCHEDULE GH-2(R) (CONTINUED)****PAYMENT**

The above net rate applies when bills are paid on or before the due date specified on the bill, which is not less than 15 days from the date bill is mailed. When not so paid the gross rate applies which is the above net rate plus 5% on the first \$200.00 of the then unpaid balance of the monthly bill and 2% on the remainder thereof.

**CONTRACT PERIOD**

Service under this Rate Schedule is for an initial term of one (1) year from the date service is first rendered and thereafter for one (1) year terms until canceled by one month's prior written notice.

(C)

**APPLICATION PROVISIONS**

Service hereunder is applicable under the following conditions:

- (a) All the space heating requirements on customer's premises, or in customer's building or newly constructed section thereof, are supplied hereunder through a separate meter from the same point of delivery and at the same voltage as the general service.
- (b) Use of service for comfort cooling air conditioning, for commercial cooking and for automatic storage type water heaters with thermostatically controlled noninductive heating units, may be included hereunder in connection with and on the same premises as the space heating equipment. This does not include ventilating fans, water for process purposes and plug-in commercial cooking appliances not used with commercial electric ovens and ranges.
- (c) Supplemental use of renewable energy sources such as wood, solar, wind, and water is permitted in conjunction with service supplied hereunder without violating the total electric energy requirement of this Rate Schedule. Any customer system of this type that produces electric energy may not be operated concurrently with service supplied by the Company except under written agreement setting forth the conditions of such operation.

PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA 17105-3265

Public Meeting held June 26, 1998

Commissioners Present:

John M. Quain, Chairman  
Robert K. Bloom, Vice Chairman  
David W. Rolka , Dissenting in part - Statement attached  
Nora Mead Brownell  
Aaron Wilson, Jr.

Application of PECO Energy Company for  
Approval of its Restructuring Plan Under Section  
2806 of the Public Utility Code, et al.

Docket Nos. R-00973953  
and P-00971265

**ORDER IMPLEMENTING COMPETITIVE  
METERING AND BILLING ARRANGEMENTS**

BY THE COMMISSION:

On April 29, 1998, parties to the above captioned matter filed a Joint Petition for Full Settlement of PECO Energy Company's Proposed Restructuring Plan and Application for a Qualified Rate Order and Application for Transfer of Generation Assets ("Joint Petition").<sup>1</sup> We approved the proposed settlement by order entered May 14, 1998.

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<sup>1</sup> / Joint petitioners included PECO Energy Company ("PECO" or the "Company"); Senator Vincent J. Fumo; the Office of Consumer Advocate ("OCA"); the Office of Small Business Advocate ("OSBA"); the Office of Trial Staff ("OTS"); the Philadelphia Area Industrial Energy Users Group ("PAIEUG"); Lance S. Haver; the Consumers Education and Protective Association, et al. ("CEPA") (which includes the Consumers Education and Protective Association, the Tenant Action Group, ACORN and John W. Long, Jr.); Community Legal Services; the Environmentalists; the Delaware Valley Energy Consortium; Pennsylvania Retailers' Association; U.S. Department of the Navy; Action Alliance of Senior Citizens of Greater Philadelphia; Pennsylvania Department of Aging; Enron Power Marketing, Inc. ("Enron"); NEV East LLC ("NEV"); Conectiv Energy; Mid-Atlantic Power Supply Assoc. ("MAPSA"); Skipping Stone; Pennsylvania Petroleum Association and Pennsylvania Association of Plumbing, Heating, Cooling Contractors, Inc.; Allegheny Power System, Inc. ("APS"); GPU Energy Inc. ("GPU"); PP&L, Inc.

Among the provisions we approved was a competitive billing/advanced metering option, in which competitive electric generation suppliers would be authorized on and after January 1, 1999, subject to guidelines to be issued by the Commission, to perform consolidated billing and to provide, install, maintain and read advanced technology electric meters capable of being remotely read.<sup>2</sup> An industry stakeholders working group met in May 1998 and submitted a set of consensus "Competitive Metering and Competitive Billing Specifications" to the Commission on June 1, 1998 and a consensus "Advanced Meter Services Provider Qualifications" document on June 9, 1998 (Attached as Appendices "A" and "B" to this order). The recommendations contain a number of technical and policy proposals which the parties urge the Commission to adopt in accordance with the terms of the PECO settlement which we approved on May 14, 1998. Some of the issues raised in the working group were not resolved and were therefore the subject of individual comments filed shortly after the consensus draft.

The June 1, 1998 "PECO Energy Company Competitive Billing Specifications" document contains detailed provisions, business arrangements and information exchange protocols dealing with the availability of competitive billing services, billing service options for consolidated EDC, EGS and split billing arrangements, budget billing,

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("PP&L"); Pennsylvania Rural Electric Assoc. ("PREA") (all such parties collectively referred to as the "Joint Petitioners")

<sup>2</sup> / The settlement agreement provides that Commission shall establish metering and billing standards related to "competitive billing and collection service" and "competitive metering service" consistent with Appendix C of the joint settlement, as well as data exchange and billing format standards necessary for PECO-EGS interchange.

handling of customer disputes and informal complaints, collections and credit, and service terms and conditions. The June 1, 1998 "PECO Energy Company Competitive Metering Specifications" document contains definitions and terms, testing and calibrating provisions, meter installation requirements, meter credit terms, meter reading provisions, dispute resolution processes, service termination provisions, and detailed technical standards. The June 8, 1998 "Advanced Meter Services Provider Qualifications Document" contains proposed standards and an application process for those entities wishing to provide advanced metering services to customers.

In essence, the proposals provide that after January 1, 1999, end use customers may choose to have advanced technology remote reading meters installed and maintained by their chosen electric generation supplier, obtaining a meter credit on their distribution bill from PECO. Additionally, generation suppliers which wish to provide competitive metering would be required to adhere to technical standards and be certified by the Commission in accordance with recommendations submitted by the working group. The proposals further provide for technical and other standards regarding the provision of competitive billing services, that is, billing of consolidated electric service charges directly by electric generation suppliers.

## SUMMARY OF COMMENTS

The Commission has received comments from ACORN/CEPA, CellNet Data Systems ("CellNet", a supplier of electric meter data collection and processing services), Enron (on issues not covered in the "Suppliers" comments), GPU, NEV, OCA, PECO and the "Suppliers"<sup>3</sup>, mainly with regard to issues that could not be resolved by the parties during the working group deliberations.

PECO raises the following issues: it notes that a material provision of the joint settlement was the requirement that the billing entity would pay the other party for all undisputed charges regardless of whether the customer has paid the EGS or PECO. As a result, PECO wishes the Commission to reexamine existing collection and termination processes, mainly by allowing PECO to terminate customers who fail to pay EGS obligations. In the alternative, PECO proposes that such customers either be designated as PLR customers or be disqualified from receiving consolidated billing, and be required to be billed separately by EGS and EDC. PECO opposes the proposal that any entity be permitted to offer advanced metering services, whether or not it has a relationship with an end use customer as an EGS or EDC. PECO urges that EGSs be obligated to offer consolidated EGS billing to all customers within a rate class, supporting OCA and CEPA. PECO urges the Commission to make it clear that an entity providing advanced metering

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<sup>3</sup> / The "Suppliers" include Enron Power Marketing, Inc. and Conectiv Energy.

has responsibility to detect theft of service, and assumes all responsibility for lost revenues resulting from such theft.

PECO opposed NEV's request that customers with multiple meters at different locations be permitted to aggregate demand for CTC calculation purposes, asserting that this issue was resolved by us in our February 5, 1998 Compliance Filing order at this docket. Finally, PECO wishes to be automatically qualified, or "grandfathered" as an advanced meter services provider on the basis of its long-standing existence as a distribution utility. It opposes the EGSs' request to be grandfathered on the basis of certification in another state.

The Suppliers raise the following issues: (1) metering and billing standards should make it clear that metering and billing may be provided by any electric generation supplier, whether or not the EGS has a relationship with the end-use customer; (2) EGSs should not be required to offer all billing options to all customers; (3) PECO should be required to take the risk of collection of all charges it bills, including EGS charges, if it renders a consolidated bill; (4) EGSs should not bear financial responsibility for specific thefts of service; (5) PECO should be obligated to provide "customer characteristic" information to EGSs engaged in installing advanced meters at a customer's premises; (6) PECO should be obligated to "use and support standard procedures and protocols for exchanging electronic data"; and (7) Enron objects to any bonding requirement for meter service providers in excess of \$100,000 or alternatively \$1 million in liability insurance,

as EGSs or agents acting for EGSs are already required to be bonded and provided financial guarantees (PECO, however, has dropped that proposal).

In other comments, ACORN urges us to declare that Chapter 56 applies to all EGS billing and metering functions, that "budget billing" be required to be offered by all EGSs, and that EGSs be obligated to offer all customers a variety of billing options. CellNet urges us to approve the proposed specifications for advanced metering.

Enron, in its separately filed comments, urges the Commission to resist PECO's call for EDC meter certification "grandfathering". It also urges the Commission to reject PECO's call for a bonding requirement of \$1-2 million for any entity providing meter service functions for an EGS or EDC (PECO apparently decided against making such an argument, as evidenced by a reply letter to Enron's comments).

GPU, which is not directly affected by the metering and billing settlement, urges the Commission to grandfather EDCs for advanced metering certification purposes, and urges the Commission not to grandfather EGSs which are already qualified in other states. It also urges us not to regard the advanced metering document as having either controlling or persuasive effect in other restructuring proceedings.

NEV, apparently dissenting from the proposed implementation schedule, urges us to shorten the provision requiring an EGS to give PECO six months notice prior to commencing consolidated EGS billing. It also urges us to grant the suppliers' request for a waiver from any budget billing requirement. Finally, NEV seeks a clarification from us

as to whether, for purposes of CTC calculation, a customer may consolidate load taken at different points and through different meters. OCA opposes the grandfathering of EGSs for advanced billing certification purposes solely on the basis of certification in another state.

## **DISCUSSION**

### **1. Termination of distribution service for nonpayment of generation service charges**

We decline to adopt PECO's suggestion that it be permitted to suspend or terminate service for non-payment of EGS charges, which suggestion is in direct conflict with ¶22 of the joint settlement. Instead, we adopt PECO's suggestion that accounts which become seriously delinquent be reverted to split billing or supplier of last resort status. If an account is more than 90 days or three billing cycles overdue, whichever is shorter, the account will be considered seriously delinquent, and at the request of either the EGS or the EDC, the account will revert to split billing status. In no case may a customer be suspended or terminated from distribution service on account of overdue or disputed generation service charges. Customers may be suspended or terminated from distribution service on account of overdue or disputed distribution service charges or provider of last resort charges only in accordance with our regulations at Chapter 56.

### **2. Provision of metering and billing services by unrelated suppliers**

We have reviewed the language of the settlement to determine whether it states that any competitive EGS may provide billing and metering service to an end user, whether or not it has a supplier relationship to the customer. Our review indicates that there is nothing in the settlement that restricts the offering in the manner suggested by PECO and OCA. The heart of the agreement between the parties was that competition was to be introduced into the provision of billing and metering services. Restricting the provision of billing services based solely upon whether the entity supplying those services also sells electricity is a departure from the intent of the parties and a return to the obsolete utility-based command and control model which the legislature and this Commission has eschewed. We therefore direct that PECO develop within fifteen (15) days from the entry of the Commission's order standards for implementing a third party billing option. Such standards should be developed in conjunction with representatives of the supplier community, OCA and our Bureau of Consumer Services (BCS). BCS is directed to provide the Commission with quarterly reports with regard to complaints or issues arising from a third party billing option. In the event customer confusion or clear lines of responsibility to address customer concerns become an issue, the Commission will not hesitate to revisit third party billing and take whatever steps necessary to resolve the problems. That solution may result in a more restrictive approach than the one adopted herein.

**3. EGS's financial responsibility for specific thefts of service**

The parties reached consensus that the metering party has a responsibility to monitor consumption and physical conditions to detect theft of service. However, the parties are unable to agree on financial responsibility when a theft is discovered. The Suppliers argue that the provision of losses includes compensation for theft of service as the loss factor, and that PECO is compensated for the theft of services through that loss factor. PECO disagrees and contends that responsibility rests with the party doing the metering.

It is in the self-interest of all of the parties to work cooperatively to prevent and to correct theft of service problems. Therefore, at this time, the Commission will not create an obligation of the metering and billing entity to compensate the EDC or EGS for past theft of service when found.

#### **4. EGSs obligation to offer budget billing services to all customers**

Enron and Conectiv argue that they should be permitted to offer whatever billing arrangements they wish, on a customer by customer basis. In other words, EGSs assert that they, not the customer, will determine whether customers are offered budget billing. Our recent order at M-00960890 F.0011 makes it clear that EGSs which provide billing services must offer budget billing arrangements. That order also provides directives regarding the allocation of budget payments between EGSs and EDCs<sup>4</sup>. We reaffirm that the budget billing provisions of Chapter 56.12(7) apply to EGSs.

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<sup>4</sup> / This assumes that the customer is in good standing. Customers breaching generation supply contracts for nonpayment may be required to be split billed at the option of either the EDC or the EGS. As noted below in this

Budget billing is not only a convenience for some customers; the budgeting advantage has come to be a necessity. While budget billing does impose some minor costs upon the billing company, those costs are fully recovered from customers under any analysis. It would also be contrary to the "level playing field" concept for us to require EDCs to follow Chapter 56 provisions, while excusing EGSs from identical provisions based upon nothing more than vague assertions of technical disadvantage. Should temporary technical difficulties arise, EGSs may seek a temporary exemption in accordance with our discussion at M-960890 F.0011. It is important to note that we do not require all suppliers to offer billing services. A significant benefit of competition is improved service and the choice to offer that service must be the supplier's, just as it is the customer's to ask for and demand that service. If disadvantages are demonstrated as a result of this order or our prior order on this issue, the Commission will be amenable to consider appropriate revisions.

On the related issue of whether EGSs who provide consolidated billing are obligated to offer that option to all customers within a rate class, we are not inclined at this time to impose a blanket requirement. Blanket rulings on billing systems, billing options and rate options will only be adverse to the healthy development of this market. We remain sensitive to the concerns expressed by OCA and CEPA about the potential for

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order, we will not permit EDCs to suspend or terminate access to the distribution network for nonpayment of generation charges. However, customers failing to pay distribution charges are subject to distribution service termination according to the terms of Chapter 56.

unreasonable discriminatory treatment of customers by EGSs. Therefore, we caution EGSs against engaging in conduct that unreasonably discriminates against certain customers within specific rate classes, and we note the ability of customers to file complaints with the Commission alleging this type of activity. Further, we recognize the protocols established by the Memorandum of Understanding with the Office of Attorney General dated February 5, 1998, under which complaints of discriminatory conduct may be referred to the OAG for review and possible action.

**5. Consolidation of multiple location customers' demand for the basis of CTC calculation**

We decline NEV's invitation to revisit this issue. It was not the subject of consideration in the joint settlement agreement and is not rationally related to competitive metering and billing arrangements.

**6. Grandfathering of existing EDC for purposes of advanced metering certification**

PECO argues, not without some basis, that it has had considerable experience in its role as a supplier of distribution and generation services over the last century, and ought therefore to be exempt from the requirement that it apply for and receive certification as an advanced meter installer. Similarly, the generation suppliers argue that they are entitled to have evidence of certification in another state be considered as a basis for grandfathering in the advanced metering certification process.

We are opening the advanced metering market, and the public safety and welfare require a review of certification to assure that our responsibility to the public is met. That certification process should not be onerous and should be subject to an appropriate grandfathering condition. If an EDC or licensed EGS is currently providing advanced metering in this state or elsewhere, there will be a presumption of fitness to provide it in the Commonwealth. Accordingly, we accept the proposal for advanced meter service provider qualification proposed by the working group, as modified by this discussion and the requirement of employee background checks discussed below in paragraph 9.

**7. PECO obligation to provide “customer characteristic” information to EGSs engaged in installing advanced meters at a customer’s premises**

We do not assume that such “customer characteristic” information relates solely to demand and consumption history. As we have noted in a June 12, 1998 letter to all EGSs and EDCs, when a customer has successfully enrolled and chosen an EGS, their selected supplier will have access to the customer’s telephone number and historical usage data. The final rulemaking at L-970126 regarding customer information disclosure only relates to release of data to third parties.

There is a method by which privacy interests can be balanced with the understandable request by a supplier for customer characteristic information. When a competitive supplier solicits a customer, the supplier must make it clear that the customer’s characteristic information will be provided by PECO to the competitive

supplier. However, the supplier must clearly indicate to the potential customer that by signing up with that supplier the customer authorizes it to seek any and all relevant information from PECO with respect to the customer's service, including customer characteristics and access requirements. If the customer declines to permit release of the information, then it may effectively forego their opportunity to obtain competitive metering and billing. If the customer chooses not to agree to the release of the information, it is then up to the supplier whether it wishes to accept the customer under those circumstances. Upon request of the competitive supplier, PECO must provide the requested information with regard to customers who have not objected to such release. PECO may not demand proof of customer agreement as a condition for release of customer characteristic information. However, requests for customer characteristic information by a supplier made without prior customer notification and agreement will be viewed as serious violations of supplier obligations and may be grounds for action by the Commission, including license suspension or revocation.

**8. PECO's obligation to "use and support standard procedures and protocols for exchanging electronic data"**

The settlement agreement provides for use of either a "Value Added Network" or a "standard Internet EDM methodology" (Appendix C.2.A.a, C.2.B.a). The precise protocol is not listed, and the comments of the parties fail to disclose which protocol(s) are proposed for use. This issue has been resolved in the Commission order adopted June

18, 1998 at Docket No. M-00960890F.14 regarding electronic data exchange, and applies to PECO and EGSs with customers in the PECO distribution service area.

**9. Required initial and continuing background review of meter installation and maintenance personnel who visit customer premises**

Whether intentionally or through oversight, the consensus proposal for advanced meter service provider qualification proposal contains no express undertaking by advanced metering providers to properly screen and regularly review the medical history, job history and record of criminal convictions of any prospective or existing personnel who visit customer premises or property. We regard it as essential to public safety that all utility personnel who visit or enter onto customer premises for any reason be properly screened and periodically reviewed to exclude individuals with a history of criminal or violent behavior. No person who has any history of violent behavior towards people or property, or any conviction for any felony or a misdemeanor involving violence towards people or property shall be employed in any capacity which involves entry onto customer premises or property. Whether EGS or EDC, any entity applying for certification to supply advanced metering will be required to certify that it will appropriately screen personnel who visit or enter onto customer premises or property.

Accordingly, Paragraph 3 of the proposed procedures is hereby modified as follows (underlined material is new):

Please attach a detailed description of the Applicant's hiring and retention policies with regard to employees providing testing, installation, maintenance, repairing or removing of metering devices, especially with regard to the screening and periodic review of the medical history, job

history and record of criminal convictions of any prospective or existing personnel who enter onto customer premises or property. Additionally, attach a detailed description of training programs, procedures and policies regarding testing, installation, maintenance, repairing or removing of electrical meters or metering devices...

In conclusion, we thank the parties for the substantial time and effort necessary to prepare these consensus metering and billing proposals; we are impressed by the degree of cooperation evidenced by these detailed and useful standards, thereby reducing the number of issues that require resolution by formal Commission action; THEREFORE,

IT IS ORDERED:

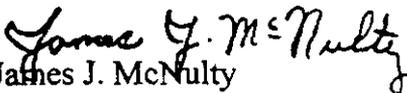
1. That PECO shall file tariffs or tariff supplements implementing the proposed Competitive Metering and Billing Services Specifications in a manner consistent with this opinion and order within five (5) days after entry of this order.

2. That this Commission herewith adopts the proposed Advanced Meter Services Qualification procedures for the PECO service area. Both PECO and any EGS desiring to supply advanced meter services shall comply with the procedures set forth in this opinion and order or in any subsequent orders.

3. That pursuant to 52 Pa. Code §1.2(c), the Commission hereby waives the requirements of its regulations at 52 Pa. Code as necessary and appropriate to implement this order.

4. That this order be served on all parties to PECO's restructuring proceeding at Docket Nos. R-00973953 and P-00971265.

BY THE COMMISSION

  
James J. McNulty  
Secretary

(SEAL)

ORDER ADOPTED: June 26, 1998

ORDER ENTERED: July 1, 1998

**PENNSYLVANIA PUBLIC UTILITY COMMISSION**  
Harrisburg, Pennsylvania 17105

**APPLICATION OF PECO ENERGY  
COMPANY - COMPETITIVE METERING  
AND BILLING SPECIFICATIONS**

**PUBLIC MEETING - JUNE 26, 1998  
JUN-98-L-58\*revised  
DOCKET NO. R-00973953**

**STATEMENT OF COMMISSIONER DAVID W. ROLKA**

I have reviewed the recommendations of the staff and the proposed draft motions offered by the Chairman and conclude that I cannot fully support the motion.

*With regard to the termination of distribution service for nonpayment of generation service charges, I am in agreement with both the motion and the staff recommendation. Customers may be suspended or terminated from distribution service on account of overdue or disputed distribution service charges or provider of last resort charges only in accordance with our regulations at Chapter 56. In no case may a customer be suspended or terminated from distribution service on account of overdue or disputed generation service charges. This proceeding is not the vehicle to begin the process of dismantling customer protections accumulated over the last twenty years.*

With regard to the provision of metering and billing services by unrelated suppliers, I continue to endorse the original language of the settlement and not the interpretation advanced by the motion. The proposal advanced in the motion is the deregulation of the billing function in a manner similar to that currently available in the telecommunications industry. In my opinion, it is a premature initiative that has not been developed with deference to the likely onset of the issues of cramming and slamming that we are currently struggling with in the telecommunications industry. At least in the telecommunications industry there is an agency that has the authority to address problems that cross state boundaries; I am not sure that such is the case in the electric industry. Additionally, I fully support the conclusion of the Law Bureau's recommendation that the language of the settlement as submitted to us for approval does not support the suppliers' assertions. Part C, paragraph 22 of the Joint Petition provides in part and as more fully set forth in the staff report:

... Effective January 1, 1999, subject to the ability of an Electric Generation Supplier ("EGS") to comply with the terms and conditions of "Competitive Metering Service" as set forth in Appendix C to this Joint Petition, a Commission-licensed EGS may provide, finance, install, own, maintain, calibrate and remotely read advanced meters for service to its retail customers located in PECO service territory."

Finally, in my opinion the modification advanced in the motion is inconsistent with the recent action of both the Senate and House oversight committees as well as the

Independent Regulatory Review Commission in rejecting our proposed regulations to the extent that they would conform to the motion.

With respect to the third topic, EGS's financial responsibility for specific thefts of service, I do not find in favor of the motion but rather accept the recommendation of the Law Bureau. I wholeheartedly agree with the finding of the Chairman that it is in the self interest of all of the parties to work cooperatively to prevent and correct theft of service problems. However, an admonition without direction as to the principle responsible entity is an invitation to at least temporary relaxation of responsibility and an invitation to potential threat to health and safety that is always present with a theft of service. The financial responsibility for theft of service must rest with the entity with substantial control over metering. Advanced metering should also have advanced anti-theft capabilities, and carries the responsibility to the public safety that has always tracked with meter reading as a significant discovery and deterrent tool.

With respect to EGS's obligation to offer budget billing to all customers, I endorse the staff recommendation as a minimum set of requirements. Although the Chairman makes a valid point that we cannot address this new market as one size fits all, the deregulation of the generation aspect of the business is still limited to just the generation market. Although it may become a logical consequence of the legislative endorsement to deregulate the generation business, I have not taken the step of finding that it is in the public interest to deregulate the business of billing and collection in the electric industry. Our response to the petition is not the proper vehicle to make findings and conclusions that produce that effect. Nothing in this portion of my statement, however, should be construed to be a barrier to the development of billing options that can be offered to customers **IN ADDITION TO** the offer of a budget billing program.

With respect to the consolidation of multiple location customers' demand for the basis of CTC calculation, I find this to be a proposal that does warrant consideration as an additional billing option but with appropriate consideration for the allocation of responsibility for the collection of the CTC. No billing option should be authorized that provides a specific vehicle for the avoidance of responsibility for the CTC.

With respect to Grandfathering of existing EDC for purposes of advanced meter certification, I am in agreement with both the motion and the staff and see no apparent conflict in the outcomes advocated by both.

Therefore, as more fully set forth above, I support the Law Bureau recommendation and the Motion to the extent that it is consistent with this statement but dissent with respect to several key aspects of the motion.

June 26 1998  
DATED

  
\_\_\_\_\_  
DAVID W. ROLKA, COMMISSIONER

FOR SETTLEMENT PURPOSES ONLY

**APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING****C.1 Availability of Competitive Billing Services**

All direct access customers will have the opportunity to choose from three billing service options as of January 1, 1999:

- (1) Consolidated EDC Billing,
- (2) Consolidated EGS Billing, or
- (3) Separate EDC/EGS Billing.

In the absence of a customer's election of one of the three billing service options described above, option (1) Consolidated EDC Billing will be provided. An EGS shall notify the EDC of the customer's billing service option when notifying the EDC of the customer's switch.

The PUC shall establish an on-going Billing Implementation Committee (the "Committee") which shall be composed of EDC representatives, EGS' representatives, customers' representatives, and PUC staff to develop and maintain appropriate and reasonable performance specifications and other appropriate terms and conditions.

Performance specifications, tariffs, and other obligations outlined in this document (including, but not limited to, a detailed Implementation Plan which contains the necessary deliverables, a high level transaction flow, detailed design specifications, production quality test data for each rate class, and a testing plan, to fulfill this agreement) shall be developed no later than June 1, 1998, with final PUC approval no later than July 1, 1998.

**C.2 Billing Service Options****(A) *Consolidated EDC Billing*****(a) Description**

The customer's EGS will send its charges via electronic transmittal via the Value Added Network ("VAN"), or standard Internet Electronic Delivery Mechanism ("EDM") methodology, to the EDC. The EDC will in turn render a consolidated bill, containing both the EDC and EGS charges, to the customer.

**(b) Utility Obligations**

**APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING**

- (1) The EDC will calculate EDC charges. The EDC will include EGS charges separately stated on the bill. The EDC is not responsible for computing or determining the accuracy of the EGS charges on the bill. The EDC will deliver the bill either by mail or electronic means to the customer. For residential customers the EDC will deliver the bill by mail, unless the customer chooses electronic billing and the EDC offers such service.
  - (2) The EDC will prepare the bill and include both EDC and EGS charges, process customer payments, and handle all collection responsibilities. The EDC must include all EGS retail electric and related services charges, (including any revenue cycle services by the EGS) on the EDC bill.
  - (3) The EDC will process customer payments according to applicable PUC regulations, and the performance specifications established herein. The EDC is required to pay amounts owed to the EGS for all undisputed EGS charges, regardless of whether the customer has paid the EDC. Payment is due in full from the EDC within 25 days for residential customers from the date the electronic EGS billing information is transmitted to the EDC. The EDC shall transfer amounts on a daily basis via ACH accompanied by a remittance advice in accordance with performance specifications.
  - (4) Bills under this option will be rendered according to applicable PUC regulations, specifically applicable Ch. 56 regulations.
- (c) EGS Obligations
- (1) The EGS will submit the necessary billing information to facilitate billing services under this billing option in a timely fashion according to applicable performance specifications.
  - (2) The EGS will provide the EDC with a summary of EGS charge(s) by electronic transmittal which enables the EDC to prepare the customer's bill in a timely manner. EGS charges which are not transmitted as required will not be included in the EDC consolidated bill.

**APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING**

(d) Timing Requirements

- (1) EGS and EDC charges shall be based on the EDC defined meter reading route schedule to avoid any confusion concerning these charges. The EDC shall allow an adjustment in the customer's meter reading route schedule, including switching the customer to an EGS specific meter reading route schedule, if the customer utilizes a remotely read meter. To the extent approved by the PUC, the EDC may charge a non-discriminatory, cost-based fee to make the adjustment.
- (2) EGS charges must be received by the EDC according to applicable performance specifications.
- (3) Meter read data is required by the EDC and the EGS according to applicable performance specifications. The party performing meter reading services shall transmit necessary data to the EDC or the EGS in a timely fashion.

(e) Service Charges

To the extent approved by the PUC, the EDC may charge the EGS for the following transactions related to this billing option:

- (1) Re-billing customers due to errors in EGS meter reads or EGS charges.
- (2) Re-read the customer's meter manually when the EGS fails to deliver a meter read in time for the calculation of EDC charges. The EDC will not charge for this service if the EDC is the responsible party.

(f) Complaint Processing and Customer Service

The EDC shall process all complaints and customer service in accordance with applicable PUC regulations and performance specifications.

(B) *Consolidated EGS Billing*

**APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING**

(a) Description

The EDC will send its charges via electronic transmittal via the VAN, or standard Internet EDM methodology, to the EGS. The EGS will in turn render a consolidated bill, containing both the EDC and EGS charges, to the customer.

(b) Utility Obligations

- (1) The EDC will submit the necessary billing information to facilitate billing services under this billing option in a timely fashion according to applicable performance specifications.
- (2) The EDC will provide the EGS with a summary of EDC charge(s) by electronic transmittal which enables the EGS to prepare the customer's bill in a timely manner. EDC charges which are not transmitted as required will not be included in the consolidated bill.

(c) EGS Obligations

- (1) The EGS will calculate EGS charges. The EGS will include EDC charges separately stated on the bill. The EGS is not responsible for computing or determining the accuracy of the EDC charges on the bill. The EGS will deliver the bill either by mail or electronic means to the customer. For residential customers, the EGS will deliver the bill by mail, unless the customer chooses electronic billing and the EGS offers such service.
- (2) The EGS will prepare the bill and include both EGS and EDC charges, process customer payments, and handle its own all collection responsibilities. The EGS must include all regulated EDC services charges on the EGS bill.
- (3) The EGS will process customer payments according to applicable PUC regulations, and the performance specifications established herein. The EGS is required to pay amounts owed to the EDC for all undisputed EDC charges, regardless of whether the customer has paid the EGS. Payment is due in full from the EGS within 25

**APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING**

days for residential customers from the date the electronic EDC billing information is transmitted to the EGS. The EGS shall transfer amounts on a daily basis via ACH accompanied by a remittance advice in accordance with performance specifications.

- (4) Bills under this option will be rendered according to applicable PUC regulations, specifically applicable Ch. 56 regulations.

(d) Timing Requirements

- (1) EGS and EDC charges shall be based on the EDC defined meter reading route schedule to avoid any confusion concerning these charges. The EDC shall allow an adjustment in the customer's meter reading route schedule, including switching the customer to an EGS specific meter reading route schedule, if the customer utilizes a remotely read meter. To the extent approved by the PUC, the EDC may charge a non-discriminatory, cost-based fee to make the adjustment.
- (2) EDC charges must be received by the EGS according to applicable performance specifications.
- (3) Meter read data is required by the EDC and the EGS according to applicable performance specifications. The party performing meter reading services shall transmit necessary data to the EDC or the EGS in a timely fashion.

(e) EGS Credit Standards

If an EGS desires to provide Consolidated EGS Billing services, then the EGS must either: (1) have an investment grade rating for its own long-term debt; or (2) it must deposit with the PUC a letter of credit, security deposit or other credit mechanism sufficient to cover thirty (30) days of its expected collection of ITC charges.

(f) Complaint Processing and Customer Service

The EGS shall process all complaints and customer service in accordance with

**APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING**

applicable PUC regulations and performance specifications.

(C) *Separate EDC/EGS Billing*

(a) Description

The EDC and the EGS will separately send their bills directly to the customer.

(b) Utility Obligations

- (1) The EDC will calculate EDC charges, prepare the EDC bill, and send the EDC bill to the customer by electronic or other means. The billing method is the sole responsibility of the EDC and its customers, and is independent of the billing method selected by the EGS. For residential customers the EDC will deliver the bill by mail, unless the customer chooses electronic billing and the EDC offers such service.
- (2) The EDC has no obligations regarding accuracy of EGS charges or related payment disputes.
- (3) Accurate and timely meter read data must be shared between the EGS and EDC according to Advanced Metering applicable performance specifications. Meter read data is required by the EDC and the EGS according to applicable performance specifications. The party performing meter reading services shall transmit necessary data to the EDC or the EGS in a timely fashion.

(c) EGS Obligations

- (1) The EGS will calculate EGS charges, prepare the EGS bill, and send the EGS bill to the customer by electronic or other means. The billing method is the sole responsibility of the EGS and its customers, and is independent of the billing method selected by the EDC. For residential customers the EGS will deliver the bill by mail, unless the customer chooses electronic billing and the EGS offers such service.

## APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING

- (2) The EGS has no obligations regarding accuracy of EDC charges or related payment disputes.
  - (3) Accurate and timely meter read data must be shared between the EGS and the EDC according to Advanced Metering applicable performance specifications. Meter read data is required by the EDC and the EGS according to applicable performance specifications. The party performing meter reading services shall transmit necessary data to the EDC or the EGS in a timely fashion.
- (d) Timing and Fees
- (1) Meter read data is required by the EDC and the EGS according to applicable performance specifications. The party performing meter reading services shall transmit necessary data to the EDC or the EGS in a timely fashion.
  - (2) If approved by the PUC, charges for re-reading and re-billing customers may be imposed by the EDC or the EGS on the other party for failure to provide accurate and timely meter read data.
- (e) Complaint Processing and Customer Service

The EDC and EGS shall process all complaints and customer service in accordance with applicable PUC regulations and performance specifications.

### C.3 Billing Information and Inserts

(a) Identification of EDC and EGS Charges

The EDC or the EGS bill, at a minimum, will identify EDC charges as specified by the PUC or applicable performance specifications. The EDC and EGS will provide bills according to applicable performance specifications. If the customer elects the consolidated EDC billing service, the EDC bill will identify, at a minimum, two sets of charges: one for EDC services and another for EGS charges. If the customer elects the consolidated EGS billing service, the EGS bill will identify, at a minimum, two sets of charges: one for EGS services and another for EDC charges.

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(b) Required Legal and Safety Notices

All EDC customers will receive mandated legal and safety notices in the PUC approved format, and the EDC will be responsible for the creation of these notices. (i) If the customer has elected the consolidated EGS billing service, the EDC will make available these notices to the EGS for distribution to the EGS customer. The EDC will design, print and deliver mandated safety and legal notices to the EGS in standard size and in PUC approved format if the EGS renders bills by mail. If the EGS renders bills electronically, the EGS may request the EDC either to (1) provide the printed version, (2) electronically transmit these notices to the EGS for communication to electronically-billed customers at the EGS's option, or (3) request the EDC to provide a separate mailing of such notices at the cost of such service paid for by the EGS. The EGS will be required to inform their billing customers of any mandated legal and safety notices when billed by mail. For electronically-billed customers, the EGS may transmit such notices by mail or electronically at its option. (ii) If the customer has elected the consolidated EDC billing service, the EDC will design, print and insert legal and safety notices in consolidated EDC billings. The EDC may also enclose EDC-related bill inserts in consolidated EDC billing as permitted by PUC regulations. The EDC will continue to mail mandated safety and legal notices in the billing envelope and may use the billing envelope as it does in current practice for providing information to all EDC customers. For the electronically-billed customers, mandated legal and safety notices may be communicated by electronic means, if feasible, or otherwise mailed separately. (iii) If the customer has elected the separate EDC/EGS billing service, the EGS has no obligation for EDC mandated safety and legal notices.

(c) EGS Rights under Consolidated EDC Billing

The EGS may include any information directly related to the calculation or understanding of EGS charges directly in the consolidated EDC bill, but may not include any text which is not specifically related to the charges or their explanation.

C.4. Payment and Collection Terms and Conditions

**APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING**

Necessary Terms and Conditions between EGS and EDC are to be established by the Committee through performance specifications and/or by the PUC through Order.

C.5. Service Terms and Conditions

To be established by the Committee through performance specifications, and/or by the PUC through Order.

Nothing in the performance specifications, however, shall be inconsistent with the following:

- (1) The EDC will not terminate Consolidated EDC Billing services for non-payment of EDC charges by customers and will use the same collections policies and procedures applicable to EDC customers;
- (2) The EGS will not terminate Consolidated EGS billing services for non-payment of EGS charges by customers but may cancel the contract in accordance with the contract terms.
- (3) The customer retains the right to change the billing option at any time consistent with the terms and conditions developed by the Committee, but this change will not release the customer from the obligation to pay any unpaid balances;
- (4) Unless the EDC and the EGS mutually agree, unpaid customer balances will not be transferred to the new billing agent, but will continue as the prior billing agent sole responsibility. The EDC will follow applicable PUC rules for unpaid final bills, including disconnection of service; and
- (5) The service terms and conditions will set forth the circumstances under which consolidated EGS billing will be terminated and a customer will revert to EDC billing service. If the EDC does not receive payment for charges from the EGS within 25 days after the charges are communicated to the EGS, then the EDC may provide notice of breach to the EGS at any time thereafter, at the EDC's discretion. Upon receipt of notice of breach, the EGS shall have 20 days to cure; if the EGS has not cured within 20 days, the EDC

## APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING

may terminate consolidated EGS billing and take over billing functions for the customer. In no event shall these procedures result in a customer being sent two bills covering the same service.

### C.6. Charges/Credits for Billing Services

- (a) The EDC may charge the customer for the provision of billing services only to the extent such charges are approved by the PUC.
- (b) The EDC will provide a credit to any EGS' customer selecting and using consolidated EGS billing service based on the amounts shown in Appendix B.

### C.7. Alternative Dispute Resolution Process

An Alternative Dispute Resolution process, such as the Supplier Tariff ADR process, will be established in the performance specifications process. The PUC has final adjudication authorization of all disputes.

### C.8. Availability of Advanced Meter Services

All direct access customers will have the opportunity to utilize Advanced Meters and Advanced Meter services from an EGS as of January 1, 1999.

### C.9. Definitions and Terms for Advanced Meters and Advanced Meter Services

- (a) The PUC shall establish an on-going Advanced Meter Qualification and Implementation Committee (the "Committee") which shall be composed of EDC representatives, EGS' representatives, customers' representatives, and PUC staff to develop and maintain appropriate and reasonable performance specifications and other appropriate terms and conditions. Such performance specifications and terms and conditions to fulfill this agreement shall be developed no later than June 1, 1998, with final PUC approval no later than July 1, 1998. Performance specifications shall be based upon and consistent with ANSI standards.
- (b) Advanced Meter services are defined to include, but are not limited to, the provision and ownership of the meter and metering devices, installation of the meter, testing of the meter for manufacturer specifications, meter

## APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING

calibration, testing of the meter for proper installation and functionality, meter maintenance, Meter Data Management, and remote meter reading.

- (c) An Advanced Meter is defined as a meter (1) capable of storing electric consumption data at specified time intervals of no greater than one-half hour and in conformance with applicable performance specifications, and (2) capable of remote meter reading. Advanced Meters will be utilized for billing purposes for direct access services, including the calculation of the customer's Measured Demand (i.e., the Advanced Meter becomes the billing meter) or another meter approved by the Committee.
- (d) All Advanced Meters and Advanced Meter services must conform to applicable performance specifications.
- (e) While Advanced Meters are capable of remote reading, an EGS shall be permitted to physically enter the customer's premise to perform services necessary for installation, calibration, etc. after appropriate notice established in the Terms and Conditions. An owner of an Advanced Meter shall not be precluded from physically reading an Advanced Meter when such reading is incidental to installation, maintenance, calibration or removal.
- (f) Advanced Meter services may be provided by either the EDC or an EGS.
- (g) The EDC and an EGS shall process all complaints and perform customer service in accordance with applicable PUC regulations and performance specifications.
- (h) A party is either the EDC or EGS.

### C.11. Certification Process

- (a) An EGS may request that the PUC allow that EGS to provide Advanced Meters and Advanced Meter services in the licensing process.
- (b) The PUC may terminate an EGS's eligibility to supply Advanced Meters and/or Advanced Meter Services if the EGS fails to comply with the performance specifications. The EGS or the affected customer may seek an Order from the PUC restoring the EGS's eligibility.

**APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING**

- (c) The PUC may impose reasonable restrictions upon an EGS which has consistently failed to comply with applicable performance standards.
- (d) Performance standards shall include standards for providers of Advanced Metering services.

C.12. Testing/Calibrating of Advanced Meters

- (a) Any party may test its own Advanced Meters for conformance to Advanced Meter performance specifications. Any party may, at its own expense and upon reasonable notice, test Advanced Meters of another party for compliance with applicable performance specifications.
- (b) Qualified Advanced Meters which are sealed by the manufacturer and have received approval from the Committee will be deemed in compliance with applicable performance specifications and will require no additional testing by the EDC or EGS prior to installation, provided the manufacturer or the EGS has provided the appropriate documentation (manufacturer certified test results) to the EDC which verifies that the meter is in compliance with applicable performance specifications.
- (d) *Records on testing an Advanced Meter shall be provided to the requesting party within five (5) working days of a request.*

C.13. Advanced Meter Installation

- (a) When either the EDC or EGS installs an Advanced Meter, the meter installer must be authorized by the PUC to perform meter installation. Within five (5) working days of the meter installation, the installing party will provide the results of the initial meter calibration test, the ending read for the meter that was removed (if applicable), the start read of the new meter, and information on meter identification, voltage, meter constants and other parameters as provided for by applicable performance specifications for purposes of identification and billing.
- (b) When the EDC has reason to believe an EGS installation does not satisfy applicable performance specifications, the EDC retains the right to perform on-site inspections subsequent to initial meter installations. The EGS shall

## APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING

be charged the costs of these subsequent inspections only to the extent approved by the PUC and only if the inspections uncover any material noncompliance with applicable performance specifications. However, nothing in this subsection shall prevent or delay a customer from receiving competitive electricity supply.

- (c) The customer may elect to have the EGS or EDC remove an existing EDC or EGS meter at the customer's premises. Coordination of meter removal and the installation of the new Advanced Meter is the responsibility of the party removing the meter. At no time shall a customer's service remain unmetered as part of the meter change out process. A customer shall not be without service due to a change out process for an unreasonable period of time. Meter removals by a party that is not the owner of the meter must be preceded by a five (5) day advanced notice to the party owning the meter. Notice provisions shall be established in the performance specifications.
- (d) Any party removing a meter must return the meter to the meter owner within fifteen (15) working days.

### C.14. Calibration

- (a) The EDC and EGS will ensure that Advanced Meters which they have provided and which are used for billing purposes for their respective customers are calibrated as provided for in applicable performance specifications.
- (b) Records of calibrations will be provided to the requesting party within five (5) working days of the request.

### C.15. Testing of Meter Functions

- (a) The EDC and EGS will ensure that all meters and associated communications equipment used for billing purposes for their respective customers are functioning in conformance with applicable performance specifications.
- (b) Records of meter calibration tests will be provided to the requesting party within five (5) working days of the request.

**APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING**

**C.16. Regular Meter Maintenance And Testing**

- (a) The EDC and EGS, for all meters used for billing purposes for their respective customers, are responsible for the routine maintenance of the meter, including but not limited to, testing, including potential and current transformer testing, and record keeping, in accordance with applicable performance specifications.

**C.17. Meter Reading**

- (a) Advanced Meter reading will be performed by the owner of the meter. If the EGS reads the Advanced Meter, the EGS will transmit necessary operational data after validation in a format consistent with performance specifications in a timely manner.
- (b) Accurate and timely meter read data must be transferred between the EGS and the EDC according to the performance specifications. The party performing meter reading services shall transmit necessary data to the EDC or the EGS in a timely fashion. The format and contents of the data transfer shall be consistent with the Electronic Data Exchange Working Group ("EDEWG").
- (c) Meter reading schedules shall be based on the EDC defined meter reading route schedule to avoid any confusion. The EDC shall allow an adjustment in the customer's meter reading route schedule, including switching the customer to an EGS specific meter reading route schedule, if the customer utilizes a remotely read meter. To the extent approved by the PUC, the EDC may charge a non-discriminatory, cost-based fee to make the adjustment.

**C.18. Failure to Comply With Requirements For Advanced Meter Services**

- (a) Failure is defined as the circumstance wherein testing, conducted by either party reveals non-conformance with any applicable performance specifications governing Advanced Meters or Advanced Metering services.
- (b) Upon the occurrence of an undisputed failure, the party responsible for the non-complying Advanced Meter service must make corrections within five

**APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING**

- (5) working days.
- (c) Failure to make corrections within five (5) working days will result in the following sequential series of actions and penalties:
- (1) Whichever party is not the party responsible for the non-conformance may cure the defect at the other party's expense.
  - (2) Upon a demonstrated pattern of non-conformance as defined below and failure to timely cure, the party not responsible for the non-conformance may give written notice of such non-conformance to the other party and the customer and the PUC, and, after five (5) days, provide all Advanced Meters and Advanced Meter services required by the customer, unless the customer has remedied the non-conformance through its own actions.
  - (3) Demonstrated pattern of non-conformance by an EGS is defined as:
    - (i) For an EGS providing Advanced Metering services, more than two percent (2%) of the service accounts served by an EGS are found to be non-conforming.
- (d) Adjustments of Bills Due to Metering Errors, including non-conforming Advanced Meters and Advanced Meter service:
- (1) If the EDC is providing billing for the service account at issue, to the extent the EDC bill is affected by the non-conformance, the EDC may adjust its charges under PUC approved rules.
  - (2) If the EGS is providing billing for the service account at issue, to the extent the EGS bill is affected by the non-conformance, the EGS may adjust its charges under PUC approved rules.
  - (3) Should any Advanced Meter become defective or fail to register correctly, the use of electricity shall be determined by a test of the Advanced Meter, or by the registration of an Advanced Meter set in its place during the period next following, or by averaging the amount registered for the preceding billing period and the amount registered during not less than one week immediately subsequent to

**APPENDIX C. COMPETITIVE METERING & BILLING SERVICES - BILLING**

the repairs to, or change of, the meter, taking into consideration the character of use by the customer.

C.19. Charges/Credits for Metering Services

- (a) The EDC may charge an EGS for the provision of Advanced Metering services only to the extent such charges are approved by the PUC.
- (b) The EDC will provide a credit to any EGS' customer selecting and using Advanced Metering services based on the amounts shown in Appendix B.

**Advanced Meter Services Provider  
Qualifications Document**

## PREFACE

This document proposes standards and qualifications to be used as part of a certification process by the Commission in authorizing an entity to provide advanced metering services to customers in PECO Energy Company's service territory. It is filed in accordance with the PECO Energy Company Competitive Marketing Specifications (referenced on p. 1 of that document), filed with the PUC on June 1, 1999, and Appendix C of the Joint Petition For Full Settlement of PECO Energy Company's Restructuring Plan, et al.

This document represents the collaborative work of the parties that have participated in the process of developing the Competitive Metering and Billing Standards. Comments by the parties on unresolved issues will be filed on June 9, 1998.

**Attachment A – Advanced Meter Services Provider  
Application Form**

**Application For Advanced Meter  
Services Provider Certificate**

**\*\*\*PLEASE PRINT OR TYPE \*\*\***

1. Name of Person or Entity: \_\_\_\_\_  
\_\_\_\_\_

2. Current Business Address: \_\_\_\_\_  
\_\_\_\_\_

Street Address:

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Registered Service Agent (if a corporation):

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Business Telephone Number : \_\_\_\_\_

1. Insurance Requirement: The Applicant shall maintain, and submit with this application proof of insurance, as described below:
  - 1 Worker's Compensation Insurance with required statutory limits.
  - 1 Comprehensive General Liability Insurance with a combined single limit of not less than \$1,000,000 per occurrence, which shall include vehicle liability.
  - 1 The Applicant may self-insure for the above coverages if Applicant is approved for self-insurance for worker's compensation or auto insurance under applicable Pennsylvania law.
2. Please attach a detailed description all of the Applicant's current employees' electric meter testing installation, maintenance, repair and removal experience, including their Meter Worker Level. The Applicant must have at least one full time employee who is a Level 2 or Level 3 Meter Worker.
3. Please attach a detailed description of the Applicant's training programs, procedures and policies regarding testing installation, maintenance, repairing, or removing of electrical meters or metering devices. Applicant's policies must provide that its employees wear uniforms and carry proper identification while on site for installation, maintenance, repairing, or removing of electrical meters or metering devices. If Applicant will also provide incidental or backup meter reading over and beyond routine and maintenance, attach a detailed description of the Applicant's training programs, procedures and policies regarding meter reading. Applicant's policies must provide that its employees wear uniforms and carry proper identification while on site for meter reading.

4. Please attach a detailed description of the educational and training requirements in electrical work and electrical safety that the applicant will require of its employees before they are allowed to install, maintain, repair, or remove electrical meters or metering devices.
5. By submitting this Application, Applicant agrees to comply with any and all of the Advanced Meter Services Provider Standards approved by the Pennsylvania Public Utility Commission, including but not limited to, *Meter Testing, Calibration and Installation* and *Meter Worker Qualifications*. Failure to comply shall be grounds for the Pennsylvania Public Utility Commission to revoke Advanced Meter Service Provider certification.
6. By submitting this Application, Applicant agrees to comply with any and all of the Advanced Meter Services Provider reporting or filing requirements. Such filings shall include, but not be limited to, Applicant's list of qualified workers due each year to the Pennsylvania Public Utility Commission by January 31.
7. By submitting this Application, Applicant agrees to comply with the safety requirements applicable to metering services as found in the National Electrical Safety Code, ANSI, National Electric Code, and OSHA requirements for electrical metering work.
8. By submitting this Application, Applicant agrees to comply with any and all applicable laws, rules and regulations of the Pennsylvania. Failure to comply shall be grounds for revoking Applicant's Meter Service Provider Certification.

# DECLARATION

I, (print name), \_\_\_\_\_

(print title) \_\_\_\_\_

Declare under the penalty of perjury that the above statements are true and correct.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 19 \_\_\_\_\_

at

\_\_\_\_\_  
(Place of execution)

Signature: \_\_\_\_\_

Note: the verification must be made by an affidavit sworn or affirmed before a notary public.

Return this Application with required attachments to:

**Advanced Meter Services Provider Certification  
Pennsylvania Public Utility Commission**



## **Advanced Meter Services Provider**

### **I. Advanced Meter Services Providers perform the following services:**

- A. The installation, removal, testing and maintenance of the physical meter required on a premise to measure the required variables.
- B. Reading the meter and validating the raw meter outputs and applying, editing, and estimating rules, adding corollary information needed to characterize the customer, and making requested customer information available to authorized parties.

## **Meter Worker Qualification Requirements For Advanced Metering Services**

### **I. Introduction**

Three levels of meter worker qualifications are set forth as criteria for meter workers to perform the installation, removal, testing, and maintenance of physical meters within an EDC's service territory. Advanced metering services may be performed, by a electric distribution company (EDC), or an electric generation supplier (EGS), if certified to perform such services. EDC's and EGS's may perform these services through agreements with certified subcontractors.

### **II. General**

If the EDC is subcontracting the meter services, then the EDC will ensure the Advanced Meter Services Provider issues to each meter worker or employee, who performs metering work, appropriate identification, indicating the worker's employer and the level of meter work the worker is qualified to perform. This identification must be carried by each meter worker during the performance of work.

If the EGS is subcontracting the meter services then, the EGS will ensure that the Advanced Meter Services Provider issues to each meter worker or employee, who performs metering work, appropriate uniforms and identification, indicating the worker's employer and the Level of meter work the worker is qualified to perform. This identification must be carried by each meter worker during the performance of work.

All meter workers sub-contracted to perform meter services pursuant to this Agreement must have sufficient training to exercise due care for the tasks performed.

### **III. LEVEL DESCRIPTIONS AND REQUIREMENTS**

#### **A. Level 1**

##### **1. Metering Types and Voltages**

This level includes single phase, socket-based meters, and A-Based meters, 300 volts phase-to-phase maximum and does not include transformer rated meters. Communication wiring must be outside of energized meter panels.



## **2. Work to be Performed**

Level 1 Meter Workers can install, remove and replace single-phase, 120/240 volt or 120/208 volt, self-contained meters in standard meter socket's, A-Based configurations in residential-commercial type metering equipment. Connections of communication conductors must be outside the energized meter panels.

## **3. Safety Skills**

- a. Job performance in accordance with employing Advanced Meter Services Provider's procedures and safety rules
- b. Knowledge of hazards of electricity and ability to perform work to avoid electrical hazards
- c. Ability to comply with OSHA requirements and safety codes if applicable
- d. On-site use of personal protective equipment
- a. Ability to comply will ANSI-C2 (National Electric Safety Code)

## **4. Essential Technical Skills**

- a. Understanding of single phase electrical metering
- b. Understanding of electric distribution safety procedures
- c. Ability to identify energy diversion or tampering related to this Level of meter work
- d. Ability to install and remove damaged and un-damaged electric meters in this level of meter work
- e. Understanding of meter panel's, socket layouts and configuration of A-Base connections for the metering conditions related to this Level of meter work
- f. Ability to read meters used in this class
- g. Ability to properly use tools appropriate to the work in this class
- h. Ability to connect meter communications external to the meter panel

- i. Ability to initialize meter communication modules -  
not utilizing Type 2 optical ports and meter configuration software

## **5. How Essential Technical and Safety Skills Are Determined**

- a. Advanced Meter Services Providers will develop and implement a program to train their workers to perform Level 1 meter work safely and properly.
- b. Employees will be certified by their employers, based on prior experience or, the successful completion of the Advanced Meter Services Provider's training program.
- a. To facilitate agreements for performing meter work in this level, EGSs and EDCs may decide to share training programs, however, it is with the understanding that the appropriate non-disclosure agreements are executed.
- d. EGS and Advanced Meter Services Provider employees currently employed in classifications performing these functions, or within the last three (3) years were previously employed in classifications performing these functions, are considered qualified.
- e. Advanced Meter Services Providers will develop and implement a class room training program (16hrs.) to train their workers to perform Level 1 meter work safely and properly, including a minimum of forty (40) hours of on the job training (OJT) working alongside a meter worker with at least 6 months experience at level 1, 2, or 3.

### **B. Level 2**

#### **1. Metering Types and Voltages**

This Level includes all meter types in Level 1. Level 2, includes single-phase, two-phase, poly-phase, safety socket, standard socket-based meters, A-base, and transformer rated meters with internal diagnostics up to 600 volts phase to phase. Communication wiring may be routed inside the panel, and work can be in and around energized circuits.

#### **2. Work to be Performed**

In addition to Level 1 Meter Work, Level 2 Meter Workers can install, remove and replace single-phase, network, and poly-phase meters, 600 volt phase to phase maximum. Operate test-bypass facilities in self-contained safety sockets. Communication wiring may be installed inside the panel, and work can be performed in and around energized circuits. On panels without test-bypass facilities, poly-phase meters will

not be removed or installed without first disconnecting the customer load.

Further, Level 2 Meter Workers can install, remove and replace all meters consistent with the above, including transformer-rated meters with internal diagnostics (if detected, metering problems with test switches, panel wiring or transformers and transformer wiring will be corrected by a Level 3 Meter Worker). Level 2 Meter Workers may operate test switches, but may not install, alter, maintain or replace wiring between the meter, test switch, test block and associated equipment.

### **3. Safety Skills**

- a. Cumulative including all skills and safety knowledge for Level1
- b. Electrical safety knowledge and work skills appropriate for three-phase metering up to 600V phase-to-phase, including the ability to identify and refer to a Level 3 or higher meter installer services above 600V phase-to-phase prior to performing work in the service equipment, or if voltage rating is not labeled, at the time of initial voltage check.
- c. Ability to perform phase rotation assessments and wiring verification.
- d. Ability to operate test-bypass facilities in a self-contained safety socket.
- e. Ability to perform work required to route communication wiring to accommodate meter communications.
- f. Additionally must have the knowledge needed for up to 600 volts, poly-phase, (two-phase and three phase) services and the forms and voltages applicable to Level 2 Meter Work.
- g. Ability to understand, interpret and take appropriate action based on built-in diagnostics of solid state meters.
- h. Ability to work with transformer rated meters and operate test switches of 600 volts or less.
- a. Awareness of instrument transformer operating characteristics including ability of potential transformer to back feed to primary system

#### **4. Essential Technical Skills**

- a. Cumulative of all Technical skills for Levels 1.
- b. Ability to perform work required to route communication wiring to accommodate meter communications.
- c. Ability to understand, interpret, identify and take appropriate actions based upon built-in diagnostics of solid state meters.
- d. Ability to perform meter accuracy tests in locations other than in the meter socket using semi-automatic meter test equipment at the customer site or in truck mounted equipment.

#### **5. How Essential Technical and Safety Skills Are Determined**

- a. Advanced Meter Services Providers will develop and implement a class room training program (16hrs.) to train their workers to perform Level 2 meter work safely and properly, including a minimum of forty (40) hours of on the job training ("OJT") working alongside a meter worker with at least 6 months experience at level 2, or 3.
- b. Employees will be certified by their employers, based on successfully completing the MSP's training program.
- c. To facilitate agreements for performing meter work in this level, EGSs and EDCs may decide to share training programs, however, it is with the understanding that the appropriate non-disclosure agreements are executed.
- d. Advanced Meter Services Providers work can be reviewed by the EDC's.

#### **6. Experience Requirements**

Minimum experience requirements that must be demonstrated prior to qualification for individuals wanting to become a Level 2 Meter Worker.

- a. After 12 months OJT working with a Level 2 or Level 3 meter worker who has at least 6 months experience and upon successfully completing the Advance Meter Services Provider training program a worker may be certified as a Level 2 Meter Worker,

or

- b. If an employee has a two or four year degree in a related subject, then after four (4) months OJT working alongside a Level 2 or Level 3 meter worker with at least six months of experience and upon successful completion of the Advanced Meter Services Provider training program (16hrs.) a worker may be certified as a Level 2 Meter Worker,

or

- c. If entry level experience of any employee is that of a journeyman 16 hr OJT level electrician, journeyman level electric metering worker, or journeyman level line worker (e.g., lineman, troubleman), then upon successful completion of the advance meter services provider training program (16hrs.) the worker may be certified as a Level 2 Meter Worker

### **C. Level 3**

#### **1. Metering Types and Voltages**

This Level includes all meter types in Levels 1 and 2. Level 3 work includes all metering up to 600V, including transformer rated meters with primary and secondary voltages less than 600V plus the additional skills needed to perform work on metering systems with instrument transformer primary side voltages over 600V. Communication wiring may be behind the panel, and work can be in and around energized circuits.

#### **2. Work to be Performed**

In addition to Level 1 and 2 Meter Work, Level 3 Meter Workers can install, remove and replace all meters consistent with the above including transformer-rated meters. Complete understanding of operating characteristics of metering transformers and operates test switches. May perform in-field meter accuracy tests, burden test, calibrations and perform all types of meter maintenance and troubleshooting on all meters. Programs and verifies internal programs and software in solid state meters.

#### **3. Safety Skills**

- a. Cumulative of all safety skills for Levels 1 and 2.
- b. Ability to recognize and understand electrical hazards and complexities associated with metering switchboards, instrument

transformers, testing meters and maintaining meters.

- a. Awareness of instrument transformer operating characteristics including ability of potential transformer to back feed to primary system .

#### **4. Essential Technical Skills**

- a. Cumulative of Levels 1 and 2.
- b. Ability to perform work on metering panels.
- c. Ability to understand the operating characteristics of metering transformers and how to operate test switches.
- d. Ability to perform calibration, repair, retrofit, troubleshooting, data collection of electric meters and install, maintain and program advanced metering technologies, including time of use, interval data, real time pricing, remote meter communication, and load control devices.

## **5. How Essential Technical and Safety Skills Are Determined**

- a. Advanced Meter Services Provider's will develop and implement a class room training program (40hrs.) to train their workers to perform Level 3 meter work safely and properly, including a minimum of 6 months of on the job training ("OJT") working alongside a meter worker with at least 6 months experience at level 3.
- b. All workers will be certified by the test process outlined below.
- c. Advanced Meter Services Provider's work can be reviewed by the EDC's.

## **6. Experience Requirements**

- a. All individuals seeking to perform advanced metering services as a Level 3 Meter Worker must successfully pass written and practical (demonstrative) tests. These tests will be administrated by the Advanced Meter Services Provider.
- b. Prerequisites for taking the written and practical tests include demonstrated knowledge or certificate of a state certified apprenticeship training program or a degree in electrical / electronic technology from an accredited institution of higher education and demonstrated experience in at least one of the following areas:
  - 1) minimum of one year experience as a Level 2 Meter Worker, including 6 months OJT with a Level 3 Meter Worker, with at least 6 months experience
  - or
  - 2) In the event a standardized test program created by a professional organization is created and is approved or authorized by the Pennsylvania Public Utility Commission or other appropriate regulatory authority, for certifying Level 3 Meter Worker(or equivalent level) then, any person who passes such test shall be qualified as a Level 3 Meter Worker,
  - or
  - 3) employment as a journeyman metering employee.

## **7. Testing and Re-Certification Requirements**

- a. Once an individual takes and passes the Level 3 Meter Worker Test and is otherwise qualified as a Level 3 Meter Worker they are qualified to perform that level of advanced metering work anywhere in Pennsylvania.
- b. If after being qualified a meter worker does not perform metering work for three (3) years or more, re-certification will be required prior to performing that Level of meter work.

#### **8. Continuing Education**

As part of a Level 3 Meter Worker's ongoing ability to remain qualified the individual must participate in at least twelve (12) hours annually of the Advanced Meter Services Provider's training program regarding technical metering standards, safety related issues, and up-dating of meter software programs and PC skills.

June 1, 1998

## PECO Energy Company Competitive Billing Specifications

### Availability of Competitive Billing Services

1. An EGS that is qualified and plans to offer consolidated EGS billing to its customers beginning in January, 1999 with initial bills to be issued in February, 1999, must inform PECO on or before August 1, 1998 of its intention to offer consolidated EGS billing.
2. If the Commission has not established metering and billing standards for PECO by July 1, 1998 and an EGS is not able to comply with the August 1, 1998 notification date, the EGS shall notify PECO as soon as possible after the issuance of Commission metering and billing standards. PECO will work with the EGS so it can provide EGS consolidated billing six (6) months after the EGS notifies PECO of its intention to offer consolidated EGS billing.
3. A customer may choose to change his/her billing option. The customer can switch billing options through his/her EGS or through PECO when the customer wishes to return to PLR service. The change will be effective as of the next scheduled meter read date provided that PECO has received at least 16-calendar days prior notice.
4. An EGS is not required to offer consolidated EGS billing in order to participate as a supplier in PECO's service territory.

### Billing Service Options

#### *Consolidated EDC Billing*

1. PECO will render a consolidated EDC bill monthly and in accordance with the Public Utility Code and the Commission's regulations (52 Pa. Code §56.1 et seq.)
2. If PECO is providing metering services, PECO will transmit Meter Data (e.g., meter reads, consumption, demand, dates and type of reading) to the EGS. If the EGS is providing advanced metering services, the EGS will transmit Meter Data to PECO.
3. The EGS will calculate its customers' charges and will send its' customers' basic charges including date of billing period, consumption, usage, rate and resulting calculation ("EGS Charges") to PECO via VAN or Internet protocol. PECO and an EGS may develop, for future consideration, a fee structure to enable PECO to include non-basic EGS charges on a PECO consolidated bill.

4. PECO will provide the EGS up to two lines, each 80 characters in length, on its standard bill for messages directly related to the calculation or understanding of the EGS portion of the bill.

5. PECO and EGSs will transmit Meter Data and billing charges to each other in accordance with the attached interim monthly billing schedule (Attachment E -Data Transfer Schedule.) The Data Transfer Schedule will remain in effect until December 31, 1999. In the fourth quarter 1999, the Data Transfer Schedule will be revisited by PECO and the parties and PECO will determine whether to modify the timing reflecting in the Data Transfer Schedule beyond December 31, 1999 and PECO will provide 60-days advance notice to EGSs before any modification takes effect so that parties that disagree with the discontinuance of the Data Transfer Schedule may request the Commission to overrule or modify PECO's decision.

6. EGS Charges must be received by PECO in accordance with the Data Transfer Schedule.

7. If EGS Charges are not received by PECO in accordance with the Data Transfer Schedule, PECO will place the EGS Charges into the next billing cycle and the delayed EGS Charges will appear on the customer's bill the following month. The customer's bill for the current billing period will state that the EGS Charges for the current billing period are not available. The remittance period for EGS charges will begin when EGS charges actually appear on the bill. Any transactions with EGS charges sent to PECO after the time periods outlined in the Data Transfer Schedule will be rejected and the EGS will need to resubmit data the following month.

8. PECO will collect customer's payments and will process payments in accordance with the Commission's payment priority set forth in Docket No. M-00960890F.001 and Rule 17 of PECO's EDC Tariff.

9. PECO will pay the EGS for amounts owed for all undisputed EGS Charges regardless of whether the customer has paid PECO. An amount is deemed disputed if the customer contacts PECO questioning the charges on the bill and he/she does not agree with PECO's and/or EGS's position regarding the amount due for EGS charges. If the EGS charges are not in dispute, PECO will remit all applicable monies due the EGS, even if the PECO portion is disputed. A customer's claim of the inability to pay shall not constitute a dispute for purposes of PECO's obligation to pay the EGS its undisputed charges.

10. PECO will pay the EGS in accordance with the following schedule:

a. Residential Rate Classes (Rates R,RH,RT,OP,CAP) - PECO will send the EGS the amount of its undisputed EGS Charges, regardless of whether the customer has paid PECO, within 25-calendar days from the date of the electronic transmission of the EGS Charges.

b. Non Residential Rate Classes. - PECO will send the EGS the amount of its undisputed EGS Charges within 20-calendar days from the date of the electronic transmission of the EGS Charges

c. Payment will not be made to the EGS when EGS Charges are not received by PECO within the specified time period, as explained in paragraph 6 above. Payment for these charges will be made according to the applicable schedule in the following month, if they are received within the appropriate time period along with the current month charges.

d. PECO will make payments of funds payable to the EGS by ACH with remittance advice to a bank designated by the EGS.

11. Budget Billing. PECO will provide a budget billing option for its charges. EGSs respectfully request a waiver of any budget requirement for EGS charges. If an EGS does not offer a budget the following process will apply:

- EGS transmits its CURRENT charges to PECO
- PECO places EGS CURRENT charges on the PECO bill
- PECO sends bill to customer
- PECO pays EGS within 25-calendar days for residential rate classes and 20-calendar days for non-residential rate classes for EGS CURRENT charges
- Customer pays PECO and EGS CURRENT charges

If an EGS does offer a budget the following process will apply:

- EGS transmits its CURRENT charges to PECO
- PECO calculates total BUDGET charges and places them on the PECO bill
- PECO sends bill to customer
- PECO pays EGS within 25-calendar days for residential rate classes and 20-calendar days for non-residential rate classes for CURRENT charges
- Customer pays PECO for BUDGET charges

General Rules for Budget Billing:

- Under EDC consolidated billing, PECO can either (a) if the EGS requests, use no budget calculation for EGS charges, or (b) if the EGS requests (and the Commission waives any applicable requirement), the EDC will calculate the budget bill for the PECO and EGS charges using PECO budgeting protocol.
- PECO reconciliation occurs in month 12 (not necessarily December), or immediately when a customer ends budget billing.
- All rates classes can use the EDC Budget Billing.
- PECO will provide information of a customer's budget status to an EGS when confirming a customer switch.

- An EGS can notify PECO electronically, after receiving customer permission, to change or end the EDC budget billing option.
- The customer will stay on PECO budget billing if no indication is made by the EGS at the time of the customer switch.
- PECO must display actual, budget and budget balance on the bill.

12. PECO Charges and EGS Charges shall be based on the EDC defined meter reading route. An EGS providing advanced metering services may request an adjustment to the meter reading schedule for an account which it meters. The EGS may select another EDC defined meter reading schedule for that account. On January 1, 1999, PECO will accommodate an EGS specified meter reading schedule for Rates HT, PD and EP. By the end of the second quarter 1999 PECO will accommodate EGS specified meter reading schedules for its remaining rate schedules.

13. *Dispute Process.*

a. *Residential Dispute Process.*

1. PECO shall process all disputes in accordance with the Public Utility Code and the Commission regulations (52 Pa. Code 56.1 *et. seq.*) PECO, as the entity responsible for the consolidated bill, must coordinate with the EGS so that a proper investigation to a customer dispute is conducted and completed within the time period prescribed by 52 Pa Code 56.151(5) and that the customer and the EGS (if the EGS is involved in the dispute) are informed of the results of the investigation. The EGS shall provide all information needed by PECO relating to the customer's dispute and must do so within five (5) business days of PECO's request. Attachment A outlines PECO's customer inquiry and dispute procedure for EDC consolidated billing.

b. *Residential Informal Complaints.*

1. PECO shall process all informal complaints in accordance with the Public Utility Code and the Commission regulations. PECO, as the entity responsible for the consolidated bill, must coordinate with the customer's EGS so that the proper information is submitted to the Commission's Bureau of Consumer Services within the time period required by the Commission. Attachment B outlines PECO's informal complaint procedure for EDC consolidated billing.

2. Any violation letter sent by the Commission shall be addressed to the billing entity at the time of the alleged violation. All violations committed by PECO, as determined by the Commission, during EDC consolidated billing and the handling of the informal complaint are the responsibility of PECO.

c. *Non-Residential Dispute Process.*

1. PECO, as the entity responsible for the consolidated bill, will coordinate with the EGS so that the proper investigation is made and that the customer and the EGS (if the EGS is involved in the dispute) are informed of the results of the investigation. The EGS shall provide all information needed by PECO relating to the customer's complaint and must do so within five (5) business days of PECO's request.

d. *Non-Residential Informal Complaints.*

1. PECO shall process all informal complaints in accordance with the Public Utility Code and the Commission regulations. PECO, as the entity responsible for the consolidated bill, must coordinate with the customer's EGS so that the proper information is submitted to the Commission's Bureau of Consumer Services within the time period required by the Commission.

2. Any violation letter sent by the Commission shall be addressed to the billing entity at the time of the alleged violation. All violations committed by PECO, as determined by the Commission, during EDC consolidated billing and the handling of the informal complaint are the responsibility of the EDC.

14. PECO will follow its current credit and collection policies for collections. Outstanding prior balances are not transferred when a customer switches from PECO to an EGS, switches from one EGS to another, switches from an EGS to PLR or when the customer chooses another billing option, unless mutually agreed to by PECO and the individual EGS.

*Consolidated EGS Billing*

1. The EGS will render a consolidated EGS bill monthly and in accordance with the Public Utility Code and the applicable Commission's regulations (52 Pa. Code §56.1 et seq.)

2. If PECO is providing the metering services to the customer, PECO will transmit Meter Data to the EGS. If the EGS is providing advanced metering services to the customer, the EGS will transmit the Meter Data to PECO.

3. PECO will calculate its customers' charges and will send its unbundled charges ("PECO Charges") to the EGS via VAN or Internet protocol.

4. EGS will provide space to enable PUC mandated messages in accordance with Chapter 56.

5. PECO and EGSs will transmit Meter Data and billing charges to each other in accordance with the attached interim monthly billing schedule (Attachment E -Data

Transfer Schedule.) The Data Transfer Schedule will remain in effect until December 31, 1999. In the fourth quarter 1999, the Data Transfer Schedule will be revisited by PECO and the parties and PECO will determine whether to modify the timing reflecting in the Data Transfer Schedule beyond December 31, 1999 and PECO will provide 60-days advance notice to EGSs before any modification takes effect so that parties that disagree with the discontinuance of the Data Transfer Schedule may request the Commission to overrule or modify PECO's decision.

6. PECO Charges will be provided to the EGS in accordance with the Data Transfer Schedule.

7. If PECO Charges are not received by the EGS in accordance with the Data Transfer Schedule. The EGS will place the PECO Charges into the next billing cycle and the delayed PECO Charges will appear on the customer's bill the following month. The customer's bill for the current billing period will state that the PECO Charges for the current billing period are not available. The remittance period for EGS charges will begin when EGS charges actually appear on the bill. Any transactions with PECO Charges sent to an EGS after the time periods outlined in the Data Transfer Schedule will be rejected and PECO will need to resubmit data the following month.

8. The EGS will pay PECO for the customer's amounts owed for all undisputed PECO Charges regardless of whether the customer has paid the EGS. An amount is deemed disputed if the customer contacts the EGS questioning the charges on the bill and he/she does not agree with the EGS's and/or PECO's position regarding the amount due for PECO charges. If PECO charges are not in dispute, the EGS will remit all applicable monies due PECO, even if the EGS portion is disputed. A customer's claim of an inability to pay shall not constitute a dispute for purposes of the EGS's obligation to pay PECO its undisputed charges.

9. The EGS will pay PECO in accordance with the following schedule:

a. Residential Rate Classes (Rates R, RH, RT, OP, CAP) - The EGS will send PECO the amount of the undisputed PECO Charges within 25-calendar days from the date of the electronic transmission of the PECO Charges

b. Non Residential Classes. - The EGS will send the PECO the amount of its undisputed PECO Charges within 20-calendar days from the date of the electronic transmission of the PECO Charges.

c. Payment will not be made to PECO when PECO Charges are not received by the EGS within the specified time period, as explained in paragraph 6 above. Payment for these charges will be made according to the applicable schedule in the following month, if they are received within the appropriate time period along with the current month charges.

d. The EGS will make payments of funds payable to PECO by ACH with remittance advice to a bank designated by PECO.

10. Budget Billing. The EGS will include on its bill the budget amount for PECO customers who choose the budget billing option offered by PECO. The following process will apply:

If the EGS does not offer its own budget bill (and the Commission waives any applicable requirement):

- PECO will transmit its BUDGET charges (including previous balance and current actual) to the EGS
- EGS places PECO BUDGET charges on the EGS bill
- EGS sends bill to customer
- EGS pays PECO within 25-calendar days for residential rate classes and 20-calendar days for non-residential rate classes for BUDGET charges
- Customer pays EGS for PECO BUDGET charges

Month 12 Process:

- PECO transmits the previous balance (credit or debit) plus CURRENT charges
- EGS places PECO CURRENT charges on the EGS bill
- EGS sends bill to customer
- EGS pays PECO within 25-calendar days for residential rate classes and 20-calendar days for non-residential rate classes for BUDGET balance and CURRENT charges
- Customer pays EGS for BUDGET and CURRENT charges

If the EGS offers its own budget the following process will apply:

- PECO transmits its CURRENT charges to EGS
- EGS calculates total BUDGET charges and places them on the EGS bill
- EGS send bill to customer
- EGS pays PECO within 25-calendar days for residential customers and 20 days for non-residential customers for CURRENT charges
- Customer pays EGS for BUDGET charges.

General Rules for Budget Billing:

- An EGS can either (a) place the PECO budget amount on the EGS bill, or (b) place PECO actual amount on the EGS bill, if the customer does not want the budget billing option, or (c) offer its own budget billing service and calculate budget bill for PECO and EGS charges using an EGS budgeting protocol. The EGS must display PECO actual charges and the EGS must pay PECO for its budget charges.
- An EGS can notify PECO electronically, after receiving customer permission, to change or end the PECO budget billing option.

11. PECO Charges and EGS Charges shall be based on the EDC defined meter reading route. An EGS providing advanced metering services may request an adjustment to the meter reading schedule for an account which it meters. The EGS

may select another EDC defined meter reading schedule for that account. On January 1, 1999, PECO will accommodate an EGS specified meter reading schedule for Rates HT, PD and EP. By the end of the second quarter 1999 PECO will accommodate EGS specified meter reading schedules for its remaining rate classes.

12. Disputes.

a. Residential Disputes.

1. The EGS shall process all complaints in accordance with the Public Utility Code and the Commission regulations (52 Pa. Code 56.1 et. seq.) The EGS, as the entity responsible for the consolidated bill, must coordinate with PECO so that a proper investigation to a customer dispute is conducted and completed within the time period prescribed by 52 Pa. Code 56.151(5) and that the customer and PECO (if PECO is involved in the dispute) are informed of the results of the investigation. PECO shall provide all information needed by the EGS relating to the customer's dispute and must do so within five (5) business days of the EGS request. Attachment C outlines the EGS's customer inquiry and dispute procedure for EGS consolidated billing.

b. Residential Informal Complaints.

1. The EGS shall process all informal complaints in accordance with the Public Utility Code and the Commission regulations. The EGS, as the entity responsible for the consolidated bill, must coordinate with PECO so that the proper information is submitted to the Commission's Bureau of Consumer Services within the time period required by the Commission. PECO will provide the EGS, to the extent it has the data, information relating to the customer's previous EGSs during the previous two years to assist the EGS in providing the Commission required two year billing history. Attachment D outlines the EGS informal complaint procedure for EGS consolidated billing.

2. Any violation letter sent by the Commission shall be addressed to the billing entity at the time of the alleged violation. All violations committed by the EGS, as determined by the Commission, during EGS consolidated billing and the handling of the informal complaint are the responsibility of the EGS.

c. Non-Residential Dispute Process.

1. The EGS, as the entity responsible for the consolidated bill, will coordinate with PECO so that the proper investigation is made and that the customer and PECO (if PECO is involved in the dispute) are informed of the results of the investigation. PECO shall provide all information needed by the EGS, relating to the customer's complaint and must do so within five (5) business days of the EGS's request.

d. *Non-Residential Informal Complaints.*

1. The EGS shall process all informal complaints in accordance with the Public Utility Code and the Commission regulations. The EGS, as the entity responsible for the consolidated bill, must coordinate with PECO so that the proper information is submitted to the Commission's Bureau of Consumer Services within the time period required by the Commission. PECO will provide the EGS, to the extent it has the data, information relating to the customer's previous EGSs during the previous two years to assist the EGS in providing the Commission required two year billing history. Attachment D outlines the EGS informal complaint procedure for EGS consolidated billing.

2. Any violation letter sent by the Commission shall be addressed to the billing entity at the time of the alleged violation. All violations committed by the EGS, as determined by the Commission, during EGS consolidated billing and the handling of the informal complaint are the responsibility of the EGS.

13. The EGS will follow credit and collection policies in compliance with the applicable Commission regulations. Outstanding balances are not transferred when a customer switches from the EGS to PECO, switches from one EGS to another or when the customer chooses another billing option, unless mutually agreed to by PECO and the individual EGS.

*Separate EDC/EGS Billing*

1. PECO and the EGS will separately send their bills directly to the customer.

2. If PECO is providing the metering services to the customer, PECO will transmit Meter Data to the EGS. If the EGS is providing advanced metering services to the customer, the EGS will transmit the Meter Data to PECO.

Service Terms & Conditions

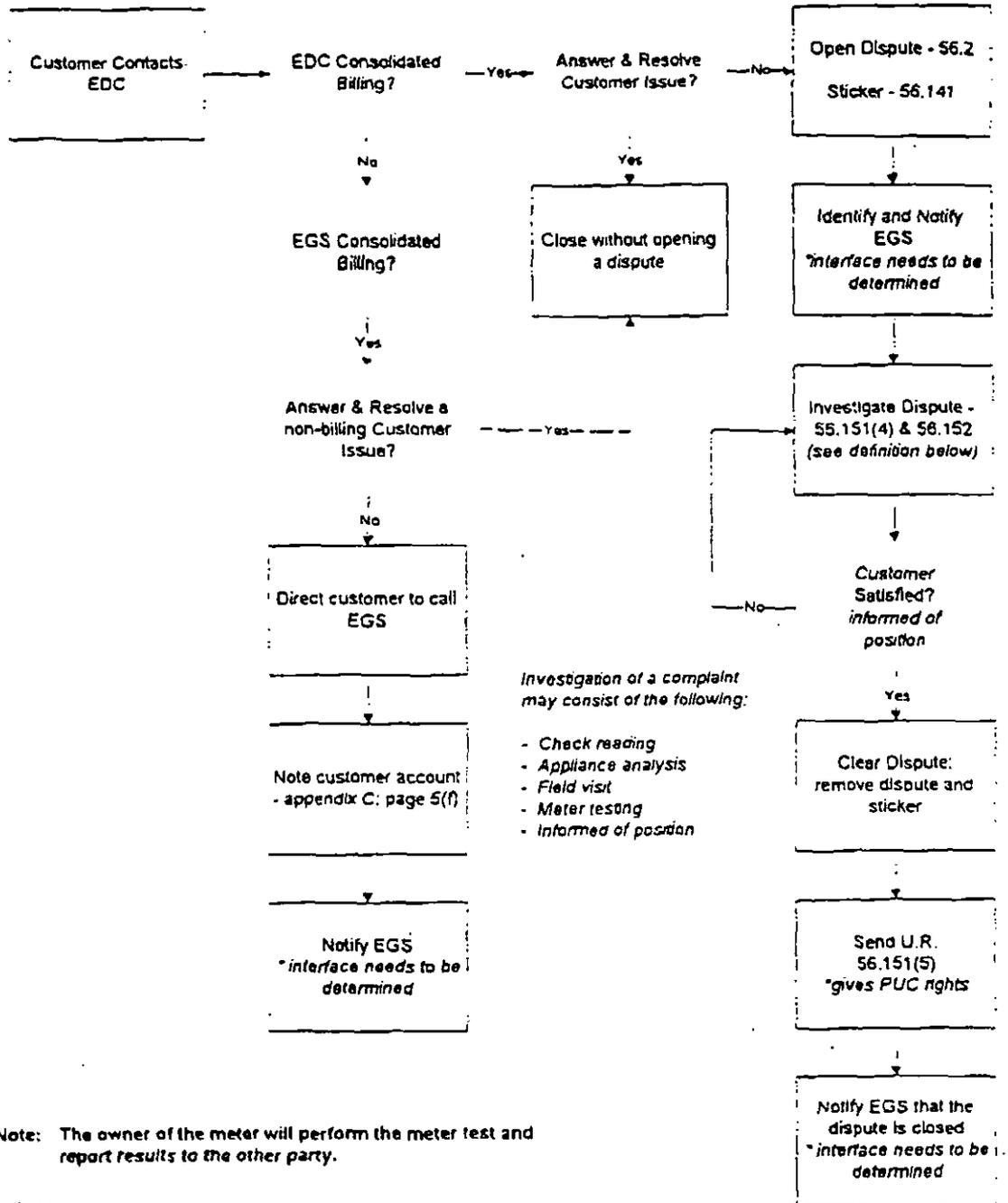
1. If PECO does not receive payment for undisputed charges within 25-calendar days for residential customers or 20-calendar days for non-residential customers after the charges are communicated to the EGS, then PECO may provide notice of breach to the EGS at any time thereafter, at PECO's discretion. Upon notice of a breach the EGS shall have 20-calendar days to cure. If the EGS has not cured within 20-calendar days, PECO may terminate consolidated EGS billing and take over billing functions for the customer. In no event shall these procedures result in a customer being sent two bills covering the same service.

2. If an EGS does not receive payment for undisputed charges within 25-calendar days for residential customers or 20-calendar days for non-residential customers after

the charges are communicated to PECO, then the EGS may provide notice of breach to PECO at any time thereafter, at the EGS's discretion. Upon notice of a breach, PECO shall have 20-calendar days to cure. If PECO has not cured within 20-calendar days, PECO will pay simple interest on the unpaid amount calculated at the lower of the (a) Interest Index, as defined in PECO's Electric Generation Supplier Coordination Tariff, or (b) six (6) percent.

**EDC Consolidated Billing  
Customer Dispute Handling**

**Attachment A**



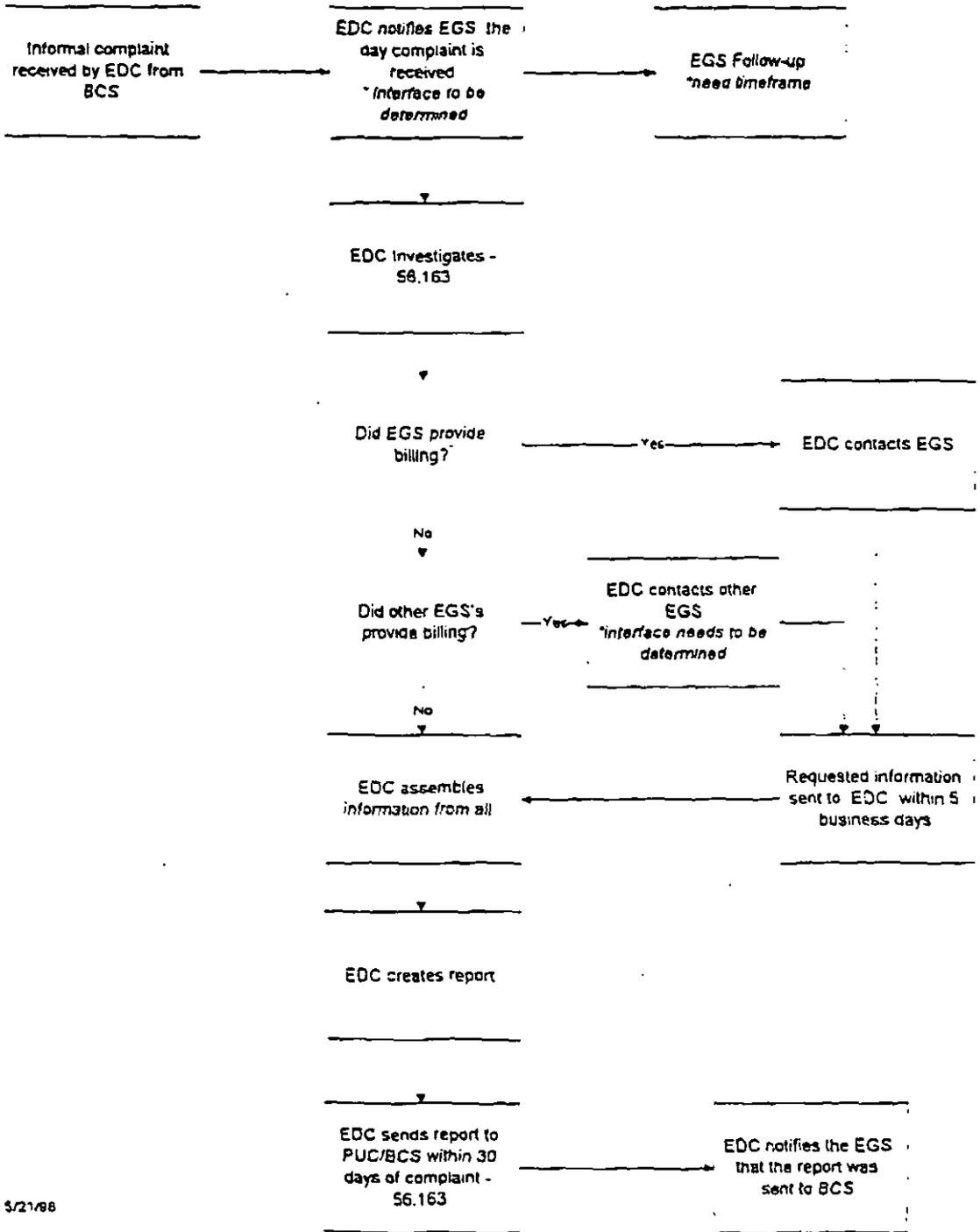
*Investigation of a complaint may consist of the following:*

- Check reading
- Appliance analysis
- Field visit
- Meter testing
- Informed of position

**Note:** The owner of the meter will perform the meter test and report results to the other party.

Informal PUC Complaints To EDC

Attachment B

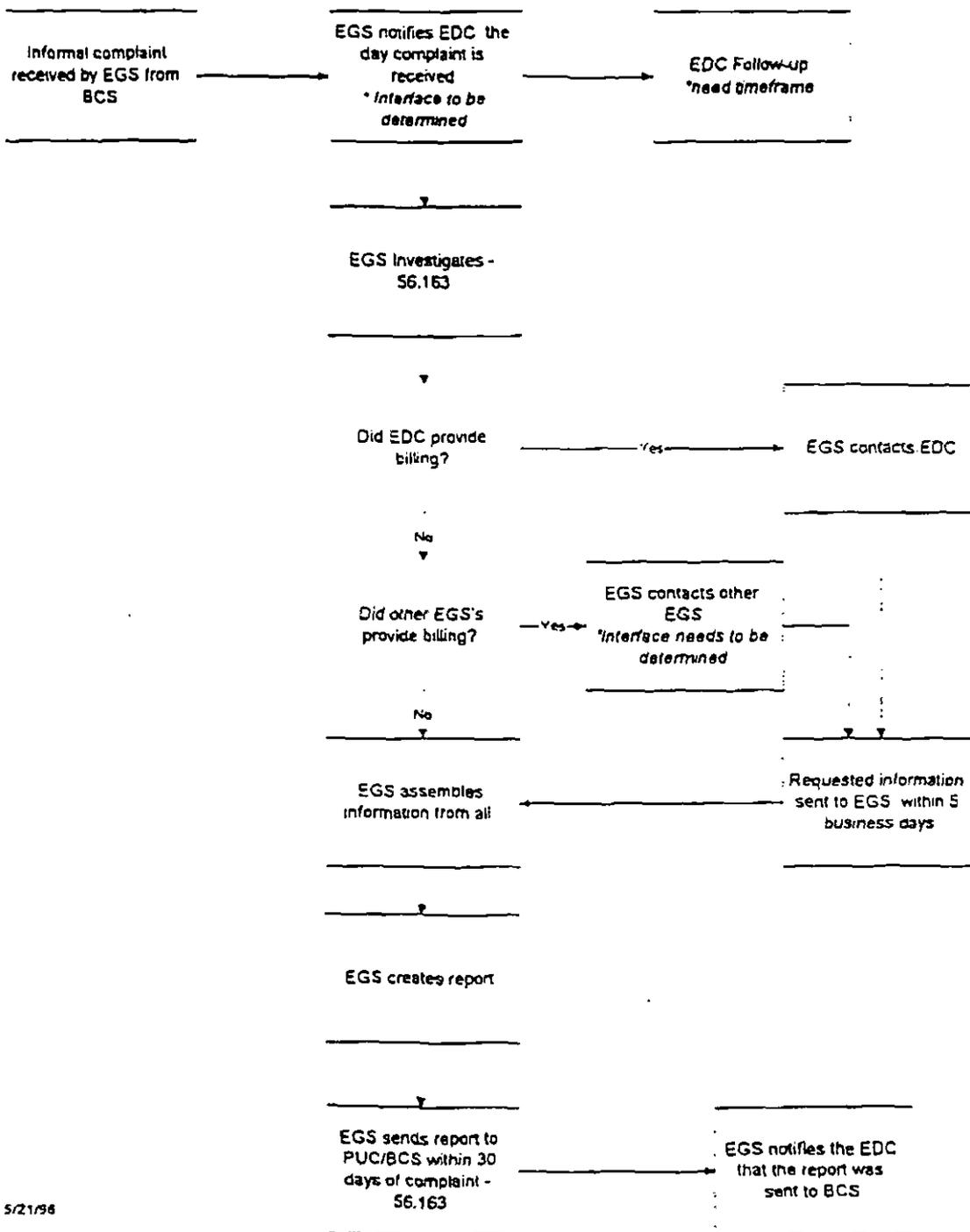


3/21/88



Informal PUC Complaints To EGS

Attachment D



Interim EDC/EGS Monthly Billing Data Transfer Schedule

Effective 1/1/99 through 12/31/99

Attachment B

Data Transfer on PECO Energy Business Days <<<>	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5 "Slip Period"	Day 6
i EDC Consolidated Billing - EDC reading	EDC reads meter	EDC transmits (A) available reading data to EGS 1A.T 3PM EST	EDC transmits (B) reading data including estimates to EGS 1A.T 3PM EST	EGS transmits (A) billing data to EDC 1A.T 3PM EST  EDC bills (A)	EGS transmits (B) billing data to EDC 1A.T 3PM EST  EDC bills (B) EDC mails bills (A)	EGS transmits "slip" (S*) billing data to EDC 1A.T 3PM EST  EDC mails bills (B) EDC bills (S*) EDC releases remaining bills**	EDC mails bills (S*)
ii EDC Consolidated Billing - EGS reading	EGS reads meter	EGS transmits (A) reading data to EDC 1A.T 3PM EST	EGS transmits (B) reading data including estimates to EDC 1A.T 3PM EST	EGS transmits (A) billing data to EDC 1A.T 3PM EST  EDC bills (A)	EGS transmits (B) billing data to EDC 1A.T 3PM EST  EDC bills (B) EDC mails bills (A)	EGS transmits "slip" (S*) billing data to EDC 1A.T 3PM EST  EDC mails bills (B) EDC bills (S*) EDC releases remaining bills	EDC mails bills (S*)
iii EGS Consolidated Billing - EDC reading	EDC reads meter	EDC transmits (A) available reading data to EGS 1A.T 3PM EST	EDC transmits (B) reading data including estimates to EGS 1A.T 3PM EST	EDC transmits (A) billing data to EGS 1A.T 3PM EST  EGS bills (A)	EDC transmits (B) billing data to EGS 1A.T 3PM EST  EGS bills (B) EGS mails bills (A)	EDC transmits "slip" (S*) billing data to EGS 1A.T 3PM EST  EGS mails bills (B) EGS bills (S*) EGS releases remaining bills**	EGS mails bills (S*)
iv EGS Consolidated Billing - EGS reading	EGS reads meter	EGS transmits (A) reading data to EDC 1A.T 3PM EST	EGS transmits (B) reading data including estimates to EDC 1A.T 3PM EST	EDC transmits (A) billing data to EGS 1A.T 3PM EST  EGS bills (A)	EDC transmits (B) billing data to EGS 1A.T 3PM EST  EDC bills (B) EDC mails bills (A)	EDC transmits "slip" (S*) billing data to EGS 1A.T 3PM EST  EGS mails bills (B) EGS bills (S*) EGS releases remaining bills**	EGS mails bills (S*)
v Separate Bills - EDC reading	EDC reads meter	EDC transmits (A) available reading data to EGS 1A.T 3PM EST	EDC transmits (B) reading data including estimates to EGS 1A.T 3PM EST				
vi Separate Bills - EGS reading	EGS reads meter	EDC transmits (A) available reading data to EDC 1A.T 3PM EST	EDC transmits (B) reading data including estimates to EDC 1A.T 3PM EST				

\* Slip Period allows for an additional day of processing of billing information in 1999

\*\* On day 5, after "slip" data is processed, Consolidated Billing Party will release all remaining bills. Bills will carry a message indicating that other party's data was unavailable at the time of billing.

PECO Form:  
37900  
Rev 3

June 1, 1998

## PECO Energy Company Competitive Metering Specifications

### Definition and Terms for Advanced Meters and Advanced Meter Services

1. Advanced meters must meet all applicable Pennsylvania Public Utility Commission ("Commission") standards and the "Requirements for Advanced Metering," as attached (Attachment A).
2. PECO has the right of physical access to all metering and associated equipment for operational and emergency response purposes.
3. Advanced Meter Services can be defined and divided into two components:
  - a. the installation, removal, and maintenance of the physical meter required on a premise to measure the required variables.
  - b. reading the meter and validating the raw meter outputs and applying, editing, and estimating rules, adding corollary information needed to characterize the customer, and making requested customer information available to authorized parties.

### Certification Process The parties will submit a proposed certification process on June 5, 1998.

1. An EGS may request that the PUC allow that EGS to provide Advanced Meters and Advanced Meter Services in the licensing process.
  - a. An EGS that is currently licensed with the PUC, as of April 29, 1998, that proposes to offer Advanced Meters and Advanced Meter Services shall file an amendment to its license to allow it to offer such services.
  - b. An EGS must submit to the PUC proof of its technical fitness to warrant expansion of its license to allow it to offer Advanced Meters and Advanced Meter Services. Such fitness standards will include, but will not be limited to, the ability of the EGS and/or its certified subcontractor to adhere to the same metering safety and installation standards and

practices imposed upon PECO Energy Company, and the technical ability to transfer data and information according to prescribed standards.

### Testing/Calibrating of Meters

Testing and calibration of meters must meet all applicable Commission standards. PECO's testing requirements for advanced metering are Attachment B to this document. Eron's testing requirements for advanced metering are Attachment C to this document.

### Advanced Meter Installation

1. An EGS providing advanced metering services who wishes to replace the PECO meter must give notice to PECO Energy at least four-business days prior to the date it proposed to change the meter. Such notice shall be given electronically. Business processes and required data to be exchanged will be defined by July 1, 1998. The transaction shall include the scheduled date that the EGS will change the meter.
2. An EGS providing advanced metering service may arrange for the installation of an advanced meter and the removal of the existing meter. An advanced meter cannot be installed within four business days prior to the customer's regularly scheduled meter reading date or one-business day after the customer's regularly scheduled meter reading date. In the fourth quarter 1999, this time period will be revisited by the parties and PECO will determine whether to modify the timing. PECO will provide 60-days advance notice so that parties that disagree with PECO's decision not to modify the timing may request the Commission to overrule or modify PECO's decision.
3. An EGS installing an advanced meter must comply with all applicable Commission standards and PECO Energy's electric service requirements manuals.
4. PECO will not require removal of an Advanced Meter that meets PECO's required specifications as a condition of a customer's return to PLR service.
5. Transformer rated meter installations.

### Current Transformers (CT) & Potential Transformers (PT)

- PECO Energy will own all CT & PT installations
- PECO Energy will install and replace all CT's & PT's at the request of an EGS providing metering service

- EGS providing metering service will be responsible for testing all CT's & PT's to ensure accuracy, operability with their meter, and compliance with PUC installation requirements
- EGS providing metering service is responsible for coordinating any customer outages required for changes to the customer's meter, CT's & PT's, or associated equipment

#### Instrument Transformer Wiring

- PECO Energy will own all CT & PT wiring (colors), from the CT & PT up to the meter test switch
  - the "line of demarcation", where PECO Energy's responsibility ends and the responsibility of the EGS providing metering service begins, is at the line-side of the meter test switch
  - the meter test switch itself is considered part of the meter panel and is the responsibility of the EGS providing metering service
  - PECO Energy is responsible to connect / disconnect meter wiring from the meter test switch, unless a qualified EGS providing metering service chooses to do so

#### Meter Panels

- PECO Energy will leave existing meter panel in place for use by an EGS providing metering service, if the EGS chooses to use it;
  - PECO Energy will not be responsible for replacement, upgrade or alterations to existing meter panels to be used by an EGS providing metering service;
- An EGS providing metering service is responsible for providing and installing the meter panel, if required, for any metering application where a PECO Energy meter panel did not previously exist;
  - The EGS provided meter panel shall be left in-place for use by future meter service providers in instances where no PECO meter panel exists;
- PECO Energy will be permitted to leave existing inactive metering (panel & meter) in place, with the customer's permission, if the panel is not to be used by an EGS providing metering service. This metering may be reactivated if the customer returns to metering service provided by PECO Energy.

#### Metering Credits

- A customer's metering credit is not affected if PECO Energy or any EGS providing metering service leaves the meter panel which they installed in-place for the next metering service

provider or if PECO leaves an inactive meter at the premise as described above.

- If an existing or upgraded PECO Energy meter is required for metering a customer's account, the Customer will not receive a metering credit
  - PECO Energy's meter must be replaced by the meter of the EGS providing metering service, in order for the customer to receive the applicable metering credit.

## 6. Non-Transformer-Rated Meters

### Meter Panels

- Customer is responsible for meter panel / meter socket for all non-transformer rated meter installations, per PECO Energy's Electric Service Requirements

### Metering Credits

- If an existing or upgraded PECO Energy meter is required for metering a customer's account, the Customer will not receive a metering credit.
- PECO Energy's meter must be replaced by the meter of the EGS providing metering service, in order for the customer to receive the applicable metering credit.

7. Access to customer premise for meter installation and maintenance. The EGS is responsible to obtain access to customer premises or locked rooms within customer premises directly from the customer. PECO will not provide an EGS with customer keys or access to PECO's customer keys in order to gain access to restricted areas within the customer's facility.

8. PECO will provide an EGS with security keys for PECO's barrel lock rings.

### Meter Reading

1. An EGS providing advanced metering service may request an adjustment to the meter reading schedule for an account which it meters and select from an existing PECO defined meter reading route. On January 1, 1999, PECO will accommodate EGS specified meter reading schedules for Rates HT, PD and EP. By the end of the second quarter 1999, PECO Energy Company will accommodate EGS specified meter reading schedules for Rate GS and residential rates.

2. All data collected by an EGS providing advanced metering service, which is required by PECO for billing and distribution service operation, shall be transmitted electronically to PECO pursuant to the Data Transfer Schedule.
3. If PECO is providing the metering service and the EGS is providing the customer with a consolidated EGS bill, all metering data which is required by the EGS for billing shall be transmitted electronically to the EGS pursuant to the Data Transfer Schedule
4. Any authorized party that is providing advanced metering is responsible for the safe installation, maintenance, authorized operation, the accuracy of such advanced metering, and for resolving theft of service issues. In the case of theft of service, the party that discovers a theft of service condition will notify the other party within five-business days. [The parties have agreed to file additional comments addressing the EGS or PECO's responsibility for the stolen service.]
5. Any party providing advanced metering service is required to keep the most recent 12 months of customer consumption data for each metered customer. Such data must be retained for a period of 36 months. Such data must be released on request to the customer or, if authorized by the customer, to any EGS or to PECO.

#### Dispute Resolution

1. A dispute involving PECO and an EGS shall be handled pursuant to Rule 18 of PECO Energy Company's Electric Generation Supplier Coordination Tariff. The PUC has final adjudication authorization of all disputes.
2. Customer disputes involving advanced meter reading issues shall be handled by the EGS as the entity responsible for the advanced meter. The EGS will coordinate with PECO Energy Company so that a proper investigation is made within the time period defined by 52 Pa. Code §56.151(5) and that the customer is informed of the results of the investigation. PECO shall provide all information needed by the EGS relating to the customer's complaint and must do so within 5 business days of the EGS's request.

#### Parties Permitted to Provide Competitive Metering Service

**The parties will file comments with the Commission on June 3, 1998.**

#### Termination of Service to Customers with Competitive Metering Services

1. PECO will maintain responsibility for physically energizing, discontinuing and terminating service to customers.

2. For any account that is metered by an EGS, PECO may terminate service to an account, after proper notice to the customer in accordance with the Commission's regulations and PECO 's tariff.

3. At the time a field termination visit is scheduled, PECO will notify the EGS of the scheduled time for such termination visit.

### Requirements For Advanced Metering

An Advanced Meter Service Provider supplying metering systems for electric distribution customers of the PECO Energy Local Distribution Company (LDC) will comply with the latest version of all applicable standards and codes for providing metering, metering devices, and metering services, including but not limited to the following:

- Applicable parts of the Pennsylvania Code Title 52, Chapter 56 and Chapter 57
- Any other applicable PA PUC guidelines
- All applicable ANSI standards, including specifically:
  - ANSI C12 standards
  - ANSI C57 standards
  - ANSI C2 standards  
(National Electrical Safety Code)
- National Electric Code standards
- NEMA standards
- PECO Energy Electric Service Requirements
- PECO Energy Requirements for Commercial Electric Service
- OSHA requirements

The performance, accuracy, testing, calibration, and installation of the above mentioned metering systems, including revenue meter, instrument transformers, and any other ancillary devices (e.g., recorders, test switches, relays, etc.), shall comply with all requirements in the Pennsylvania Code, Title 52, Chapter 57, and the latest version of all applicable ANSI C12 standards.

The Advanced Meter Service Provider shall assure that the following specific requirements are met.

#### For All Meters:

- All meters must be tagged/labeled with the name of the EGS, PECO or subcontractor providing meters for the EGS or PECO.
- All meters are to have a nameplate with values for "CTR", "VTR", "PKH", and "Multiply by" as applicable.
- Certain invalidated, non-billing data, as mutually agreed upon, will be made available to the non-metering party.
- All meters must be equipped with a visual watt-hour indicator for meter testing. This indicator is to be calibrated to the meter watt-hour constant (Kh).

- For each meter installed by the Advanced Meter Provider, the following shall be provided: accuracy test information, vendor serial number, all metering and billing constants, and any other meter records information as required by the PUC. This data shall be provide by the method agreed upon in the Data Exchange Working Group.
- All meters must comply with ANSI C12.1, ANSI C12.13, ANSI C12.18, and ANSI C12.19, as applicable.
- The Advanced Meter Provider will have a technician present at the customer site to meet PECO Energy technician if PECO Energy exercises its right to test the meter, in lieu of providing meter application programs and passwords.
- All meters shall be tested and maintained as per PUC requirements and ANSI standards.

For Electromechanical Watt-hour Meters:

- The accuracy and form designation of electromechanical watt-hour meters must comply with ANSI C12.1 and ANSI C12.10.
- Electromechanical watt-hour meters may only be used for customers with peak demands of less than 185 kW.

For Solid-state Electricity Meters:

- The accuracy and form designation of solid-state electricity meters must comply with ANSI C12.16 and ANSI C12.20.
- Solid-state electricity meters may be used for any customer, but must be used for customers with peak demands of 185 kW or greater.
- Solid-state electricity meters used for customers with peak demands of 185 kW or greater, must measure reactive power in order to compute the average power factor coincident with the average demand in each half-hour interval as required by PECO's tariff.
- Solid-state electricity meters used for customers with peak demands of 185 kW or greater, must be 0.2 accuracy class.
- Solid-state electricity meters used for customers with peak demands of less than 185 kW, must be 0.2 or 0.5 accuracy class.
- Solid-state electricity meters used with an internal *Transformer Loss Compensation* feature need only to meet ANSI 12.1 accuracy requirements if the same meter meets the above specified accuracy class without the feature.

For Metering Installations:

- Metering Installations shall conform to the metering installation requirements in the PECO Energy Electric Service Requirements manual and the PECO Energy Requirements for Commercial Electric Service manual, however these requirements

will not limit the use of the latest technology and will be updated as necessary so as not to preclude the use of such new technology.

- Metering Installations for Self-Contained Meters must have the proper meter socket, "A" base adapter, cabinets, and test blocks as required for the meter form and location of the installation (i.e., indoor vs. outdoor).
- Metering Installations for Transformer-Rated Meters must have the proper meter socket, "A" base adapter, panels, cabinets, and test switches as required for the meter form and location of the installation (i.e., indoor vs. outdoor).
- Metering Installations must comply with ANSI C12.6, ANSI C12.7, ANSI C12.8, ANSI C12.9 and all applicable NEC codes.

**PECO Energy Local Distribution Company**  
**Installation Test Requirements For Advanced Metering**

An Advanced Meter Service Provider supplying metering systems for electric distribution customers of the PECO Energy Local Distribution Company (LDC) will test all meters and associated devices in compliance with all requirements of the Pennsylvania Code Title 52, Chapter 57, and as specified in the table below. As required by the PA code, meters will be tested when installed, when removed, and during periodic maintenance as prescribed for each type of meter. During installation and periodic in-service maintenance, a full test of all meter system components shall be made as specified below. During removal, only the as-found accuracy tests as described in the PA code are necessary.

Type of Meters/Devices	1	2	3	4	5	6	7	8	9	10
	Voltage Test	Light & Full Load Test	Inductive Load Test	Customer Load Test	Demand Test	Register Verification	Phase Angle Test	Separate Element Check	Burden Test	Communications Test
Self-Contained kWh Meters	X	X	3	3						4
Transformer-Rated kWh Meters	X	X	3	3				X	X	4
Hybrid Meters	X	X	3	3	X	X		X		
Solid State Meters	X	X	3	3	X	X		X		4
Transformer-Rated kVARh Meters	X	X	3	3			X	X	X	4
Multi-Quadrant Meters	X	X	3	3	1	X	3	X	X	4
Solid State Recorders	X				X					4
Mechanical Registers					1	2				
Electronic Registers					1	2				
Pulse Devices					X					
Self-Contained Network Meters	X	3	3	3				3		4
Meter Interface Units (MIUs)	3				3					4

**1** Performed if demand is present. **2** Energy Consumption Investigation is necessary. **3** Performed when deemed necessary. **4** Performed if communications option is present and its proper operation is suspect.

## Enron Energy Services Interactive Electric Metering Solutions Meter Calibration/Testing Policy

**Policy Statement:** All Enron Energy Services, Interactive Metering Solutions will be calibrated to the standards listed below. All new meters and meters removed from a customers premise will be calibrated by Enron, Meter Manufacture or one of its Meter Service Providers to the following criteria.

**Meter Accuracy:** All Enron Energy Services, Interactive Metering Solutions will be calibrated to ANSI standards for solid state electrical meters.

**Communication System:** All Enron Energy Services, Interactive Metering Solutions communication systems will be tested at all maintenance periods as well in the meter installation process.

**Testing Equipment:** All instrumentation and testing standards will be traceable to the NIST. All test standards will be calibrated yearly by a certified testing agency.

**Meter History System:** All calibration, and maintenance testing will be recorded in Enron Energy Services Meter History System.

Meter Type	Calibration Test (FL&LL)	Power Factor Test (60 degree)	Demand Test	Communication Test
Single Phase	X			X
Network	X	X		X
Poly Phase Self Contained	X	X	O	X
Poly Phase Instrument Rated	X	X	O	X
Legend	X= Required Test O = Optional Test			

PP&L, INC.  
METERING AND BILLING CREDITS

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(\$ 000)

RATE SCHEDULE	NUMBER OF CUSTOMERS	METERS REVENUE REQTS.	METER CREDIT PER MONTH	METER READING REVENUE REQTS.	METER READING CREDIT PER MONTH	CUSTOMER BILLING AND COLLECTIONS REV REQTS	BILLING AND COLLECTIONS CREDIT PER MONTH
RESIDENTIAL : RS, RTD, and RTS	1,081,232	\$10,674	\$0.82	\$22,307	\$1.72	\$27,845	\$2.15
SECONDARY OTHER : GS-1, BL ,GS-3, IS1, GH, and SL/AL	145,842	\$9,579	\$5.47	\$3,633	\$2.08	\$3,849	\$2.20
PRIMARY : LP-4 and IS-P	843	\$995	\$98.36	\$242	\$23.95	\$41	\$4.06
TRANSMISSION : LP-5, LP-6, IS-T, LPEP, ISA, and STANDBY	130	\$861	\$551.94	\$56	\$35.95	\$29	\$18.55

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**APPLICATION OF PP&L, INC.** :  
**FOR ISSUANCE OF A QUALIFIED** :  
**RATE ORDER UNDER SECTIONS** : **APPLICATION**  
**2808 AND 2812 OF THE PUBLIC** : **DOCKET NO. A-\_\_\_\_\_**  
**UTILITY CODE** :

**APPLICATION OF  
PP&L, INC.**

PP&L, Inc. ("PP&L"), pursuant to Sections 2808 and 2812 of the Pennsylvania Public Utility Code, 66 Pa.C.S. §§ 2808 and 2812, hereby requests that the Pennsylvania Public Utility Commission (the "Commission") issue a Qualified Rate Order (1) finding that the recovery by PP&L of up to \$2.97 billion in Qualified Transition Expenses, consisting of transition or stranded costs, expenses associated with the issuance and service of Transition Bonds and related recapitalization costs, is just and reasonable, (2) concluding that the sale, assignment, transfer or pledge of the Intangible Transition Property created by the Qualified Rate Order and the issuance of Transition Bonds secured by such Intangible Transition Property is in the public interest, (3) approving the imposition of the Intangible Transition Charge and corresponding Competitive Transition Charge ("CTC") decrease formulae, as well as the specific tariff revisions, contained in the form of tariff supplement provided as Exhibit 2 hereto to become effective upon the successful issuance of the Transition Bonds, and (4) providing any other regulatory approvals that the Commission concludes are required for the successful issuance of

Transition Bonds and other transactions incidental thereto.

PP&L asks the Commission to declare that certain provisions of its Qualified Rate Order shall be irrevocable and that it will not take any action, either directly or indirectly, that would impair such provisions, or the rates and other charges authorized thereby, until the Transition Bonds are fully paid and discharged. Finally, PP&L requests that the Commission grant such other approvals under Chapter 11 of the Public Utility Code as it concludes are necessary and appropriate. A proposed form of Order has been attached hereto as Exhibit 1.

#### **IDENTITY AND DESCRIPTION OF THE APPLICANT**

1. The name and address of the Applicant are as follows:

PP&L, Inc.  
Two North Ninth Street  
Allentown, PA 18101-1179

2. The names and address of the Applicant's attorneys are as follows:

Paul E. Russell  
Associate General Counsel  
PP&L, Inc.  
Two North Ninth Street  
Allentown, PA 18101-1179

3. PP&L is a Pennsylvania public utility corporation duly organized and existing under the laws of the Commonwealth of Pennsylvania and is engaged in the business of electric generation, transmission and distribution services to approximately 1.25 million customers throughout a 10,000 square mile service territory covering all or portions of 29 counties in central and eastern Pennsylvania.

## **BACKGROUND FINANCIAL INFORMATION**

4. In its Restructuring Plan that was filed on April 1, 1997, at Commission Docket No. R-00973954, PP&L included substantial financial data, including PP&L's balance sheet as of December 31, 1996 and an income statement for the twelve months ended December 31, 1996. The financial data as provided by PP&L in its Restructuring Plan and as updated throughout the restructuring proceeding at Docket No. R-00973954 are incorporated herein by reference.

5. All annual reports, tariffs, certificates of public convenience, applications, securities certificates and similar documents filed by PP&L and its predecessor, constituent and affiliated companies are made a part hereof by reference.

## **SUMMARY OF THE PROPOSED TRANSACTIONS**

6. Through this filing, PP&L is seeking to utilize the provisions of Sections 2808 and 2812 of the Public Utility Code to securitize a portion of its stranded costs as determined by the Commission through its approval of the settlement of PP&L's restructuring proceeding at Docket No. R-00973954, which includes this Application, together with associated financing costs. For the reasons which follow, PP&L believes that the relief requested herein is just and reasonable and in the public interest and should, therefore, be approved.

7. A general description of the specific transactions contemplated is provided later in this Application. In summary, the Commission's issuance of the proposed Qualified Rate Order and corresponding approval to implement the proposed Intangible Transition Charges will create an irrevocable right to recover up to \$2.97 billion of Qualified Transition Expenses, including stranded costs, issuance expenses and costs associated with the use of the proceeds, including the costs to service the Transition Bonds and any necessary credit enhancement. That property right, denominated "Intangible Transition Property" in Section 2812, will then be sold, assigned, transferred or pledged, either directly or indirectly, to a third party, or a series of third parties, which will finance the acquisition through the issuance of Transition Bonds. The proceeds from the sale of the Intangible Transition Property funded by the Transition Bonds will be remitted to PP&L, which, in turn, will use the proceeds to reduce its transition or stranded costs and capitalization and to pay related transaction costs. Pursuant to the Settlement of PP&L's restructuring proceeding at Docket No. R-00973954, of which this Application is a part, PP&L will determine that amount of savings from the securitization of a portion of its stranded costs, and adjust its CTC to flow through to customers 75% of such savings. Savings will be determined net of reasonable costs of issuing and servicing the Transition Bonds and net of reasonable costs of transactions related thereto, including the costs of any premiums and expenses that PP&L may incur to reduce its debt and equity

capitalization with the proceeds of the issuance of the Transition Bonds. Premiums on debt and equity represent the difference in the prices paid on the reacquisition of such securities in relation to the net book value of such debt and equity, as reflected on PP&L's books. Savings will also be determined net of any associated taxes that PP&L may pay as a result of these transactions.

8. Upon the successful issuance of the Transition Bonds and the receipt of proceeds, PP&L will simultaneously implement Intangible Transition Charges to commence recovery of the principal, interest and issuance, refinance and servicing costs, fees and charges with respect to the Transition Bonds. Contemporaneously, PP&L will reduce its CTCs to remove the revenues for recovery of the transition or stranded costs for which the Transition Bonds have been issued. PP&L will act as the "servicer" of the Transition Bonds, collecting and remitting to the third-party issuers the dollars recovered under the Intangible Transition Charges. To ensure that it collects sufficient revenues to service the Transition Bonds, PP&L is also proposing, as part of this filing, that the Commission approve the specific reconciliation procedures set forth in the form of tariff supplement provided as Exhibit 2 hereto.

**DATA TO BE FILED IN COMPLIANCE WITH SECTION 2812(A)(2)(I)**

9. **Complete Accounting Of Transition Or Stranded Costs.** PP&L's net

stranded costs, based on the Settlement of PP&L's restructuring proceeding at Docket No. R-00973954, of which this Application is a part, are approximately \$2.97 billion. This amount was determined by settlement and represents compromises by many of the parties that participated in PP&L's restructuring proceeding. This amount, however, is fully supported by the evidence produced by PP&L in its restructuring proceeding concerning its stranded costs. PP&L's evidence concerning its stranded costs that was produced and admitted into evidence in the restructuring proceeding at Docket No. R-00973954 is incorporated herein by reference.

10. **Detailed Information Regarding The Proposed Sale Of Intangible Transition Property And/Or Issuance Of Transition Bonds.** The Intangible Transition Property created by the requested Qualified Rate Order will be transferred either directly or indirectly to a newly-formed, "bankruptcy-remote" special purpose entity, such as a limited liability company, a corporation or a trust, which will issue the Transition Bonds.

PP&L expects, subject to market conditions, that the Transition Bonds will be issued in one or more series, and that each series may be issued in one or more classes. Each series will have an expected final maturity of up to ten years. The proceeds from the sale of the Intangible Transition Property funded by the Transition Bonds will be remitted to PP&L, which will utilize them to reduce its transition or stranded costs and

capitalization and to pay related financing costs. Collections of the Intangible Transition Charges approved in the Qualified Rate Order and made by PP&L as “servicer” will be remitted to the Transition Bondholders as periodic payments of interest and principal.

11. **Planned Use Of Proceeds** PP&L currently anticipates using the gross proceeds from the sale of the Intangible Transition Property funded by the up to \$2.97 billion of Transition Bonds as follows. PP&L will utilize the gross proceeds to pay issuance, refinance and servicing costs. PP&L will use the remaining proceeds principally to reduce its transition or stranded costs and to reduce its existing capitalization through the retirement of outstanding debt, the retirement and repurchase of preferred stock and the reduction of common shareholder equity through stock buy backs, open market purchases and/or dividends to shareholders.

The specific steps taken by PP&L to reduce its capitalization will depend, in large part, on the date on which the proceeds from the sale of Transition Bonds become available, the then prevailing market conditions and the advice of PP&L’s financial advisors. For that reason, PP&L requests that the Commission make clear, in its Qualified Rate Order, that PP&L will have the flexibility to structure its use of proceeds given the circumstances at that time, including but not limited to the overall financial circumstances of PP&L.

**INTANGIBLE TRANSITION CHARGES AND COMPETITIVE  
TRANSITION CHARGE DECREASES**

12. Section 2808(E)(2) of the Public Utility Code requires that, upon the successful issuance of Transition Bonds, a utility (a) shall impose upon and collect from customers the Intangible Transition Charges approved by the Qualified Rate Order and (b) simultaneously remove from existing rate levels an amount equal to the revenue requirement of the transition or stranded costs for which the Transition Bonds have been successfully issued. The savings from securitization and issuance of transition bonds are provided for in the rates and rate reductions set forth in Section B.1 and Appendix A of the Joint Petition for Full Settlement of Pennsylvania Power & Light Company's Restructuring Plan and Related Court Proceedings at Docket No. R-00973954 ("Joint Petition") and the further reductions in the CTC/ITC set forth in Section A.5 of the Joint Petition. The aforesaid rates and CTC/ITC reductions constitute full compliance with Section 2808(e) and 2812(b)(2) of the Electricity Generation Customer Choice and Competition Act ("Electric Competition") and no further rate adjustment is required.

13. In calculating the CTC decreases, PP&L first will determine the CTC reduction from the securitization of Qualified Transition Expenses. Once the aggregate CTC reduction is determined, that amount will be allocated among PP&L's retail rate

classes. Consistent with the provisions of Section 2808(A) of the Act, PP&L will utilize the same methodology to allocate generation-related costs that it employed in its most recent general base rate proceeding at Docket No. R-00943271 and in its restructuring proceeding at Docket No. R-00973954, as modified by the Joint Petition.

14. The Intangible Transition Charges will be determined in much the same manner. First, the amount needed will be collected, on an annual basis over the life of the Transition Bonds, to provide for payments of interest and principal to the Bondholders. Like the rate reductions, the Intangible Transition Charges will be calculated on an individual customer class basis, consistent with the historic allocation of generation-related costs, as modified by the Joint Petition. This symmetry in the application of CTC decreases and Intangible Transition Charges will guarantee that all customers and customer classes receive the appropriate level of benefits produced by this securitization.

#### **STATUTORY STANDARDS**

15. Section 2812(A)(2)(III) of the Code requires that the Commission determine that (a) the recovery of transition and/or stranded costs is just and reasonable and (b) the entry of a Qualified Rate Order approving the sale, assignment, transfer or pledge of Intangible Transition Property and the issuance of Transition Bonds is in the

public interest. PP&L respectfully submits that the data provided with and incorporated by reference into this filing fully support those findings.

16. Recovery of the stranded costs identified in the Settlement of PP&L's restructuring proceeding is just and reasonable.

17. Clearly, the securitization of PP&L's stranded costs at this time is in the public interest. First, and perhaps most importantly, approval of PP&L's request will enable it to reduce customers' bills. Second, there are cost savings to be achieved in allowing PP&L to take advantage of the favorable interest rates prevailing today. The rate reduction would serve to promote the Electric Competition Act's goal of spurring economic growth and job creation.

#### **QUALIFIED RATE ORDER**

18. As noted previously, PP&L has attached, as Exhibit 1 to this Application, a proposed form of Order. Exhibit 1 has been reviewed by PP&L's financial advisors who have indicated that it is critically important to the marketability of the Transition Bonds that the Commission adopt the same or similar language, safeguards and reconciliation procedures in the Qualified Rate Order issued in this proceeding and declare the same to be irrevocable.

## **OTHER REGULATORY APPROVALS**

19. This Application is being filed pursuant to Sections 2808 and 2812 of the Code. It is conceivable, however, that the Commission could conclude that other provisions of the Code are implicated. For example, the Commission might determine that the transactions proposed herein constitute a sale of used and useful utility property under Section 1102(a)(3) or that the securitization transactions may involve the issuance of securities by PP&L under Chapter 19 of the Public Utility Code, 66 Pa.C.S. Ch. 19. If that proves to be the case, PP&L requests that the Commission find that the sale of the Intangible Transition Property created by its Qualified Rate Order is necessary and proper for the service and convenience of the public for all of the reasons previously stated and grant all other necessary regulatory approvals within its jurisdiction for the securitization transactions explained herein.

### **DATA TO BE FILED IN RESPONSE TO THE COMMISSION'S NOTICE**

20. Sections 2808 and 2812 are silent with respect to the form and nature of the notice to be provided customers. However, to ensure that its customers are made aware of this Application, PP&L intends to provide its customers with a combined notice of the Settlement of its restructuring proceeding and of this Application for a qualified

rate order. A copy of PP&L's notice is provided as an exhibit to the Settlement.

### **PROPOSED SCHEDULE**

21. PP&L requests that the Commission approve this Application in conjunction with its review of the settlement of PP&L's restructuring proceeding at Docket No. R-00973954 at the public meeting on August 13, 1998. PP&L requests that the Commission adopt a tentative order approving the settlement and this Application at that public meeting. PP&L requests further that the Commission specify in the tentative order that any comments on the tentative order approving the settlement and this Application should be filed with the Commission and served upon the parties to the restructuring proceeding to be received not later than August 24, 1998. PP&L will notify customers of this Application and the tentative order by a special mailing on August 14, 1998. If any person protests this Application for a qualified rate order, PP&L requests that the Commission consider and adjudicate such protests together with any protests to the settlement at the public meeting on August 27, 1998.

**CONCLUSION**

WHEREFORE, for the reasons set forth above, PP&L requests that the Pennsylvania Public Utility Commission approve this Application, issue an Order substantially in the form attached hereto as Exhibit 1 and grant such other approvals as may be required under Chapter 11 of the Public Utility Code.

Respectfully submitted,

---

**IT IS ORDERED:**

1. That the Application of PP&L, Inc. ("PP&L") for the Issuance of a Qualified Rate Order under Sections 2808 and 2812 of the Electricity Generation Customer Choice and Competition Act ("Act"), 66 Pa.C.S. §§ 2808 and 2812 ("QRO Application") contained in the Joint Petition for Settlement of PP&L Inc.'s Proposed Restructuring Plan, filed on \_\_\_\_\_, 1998 (the "Joint Petition"), be, and hereby is, granted, consistent with this Qualified Rate Order.

2. That, to the extent specified this Qualified Rate Order, PP&L's filings, testimony and exhibits submitted to the Commission in conjunction with PP&L's Restructuring Plan on April 1, 1997, at Docket No. R-00973954 (the "Restructuring Filing"), are hereby incorporated herein by reference.

3. That it is just and reasonable and in the public interest for PP&L to recover from its customers, through Intangible Transition Charges as and to the extent authorized in paragraph 5 of this Qualified Rate Order, up to \$2.97 billion of Qualified Transition Expenses including all Transition or Stranded Costs approved by the Commission for recovery from customers and other Qualified Transition Expenses, as defined in paragraph no. 5, below. The savings from securitization and issuance of transition bonds are provided for in the rates and rate reductions set forth in Section B.1 and Appendix A of the Joint Petition for Full Settlement of Pennsylvania Power & Light Company's Restructuring Plan and Related Court Proceedings at

Docket No. R-00973954 (“Joint Petition”) and the further reductions in the CTC/ITC set forth in Section A.5 of the Joint Petition. The aforesaid rates and CTC/ITC reductions constitute full compliance with Sections 2808(e) and 2812(b)(2) of the Electricity Generation Customer Choice and Competition Act (“Electric Competition”) and no further rate adjustment is required.

4. That this Commission authorizes the issuance of Transition Bonds in an aggregate principal amount not to exceed \$2.97 billion and finds that the issuance of such amount of Transition Bonds is in the public interest. Provided that the rate reductions specified in the Joint Petition are implemented as provided in paragraph 6 of this Qualified Rate Order, this Commission hereby determines that 75% of all savings that may be accomplished through securitization will be passed on to customers through the rate reductions in paragraph 6, and PP&L is not required to pass on additional savings, and no further rate adjustment is required because the Commission hereby finds that such additional savings have been ~~already~~ reflected in the Joint Petition.

5. That this Commission authorizes PP&L to impose on, and collect from its customers, either directly or through bills rendered by electric generation suppliers or any subsequently selected providers of last resort, through non-bypassable charges applied to the bill of every customer of electric services within the geographic area that comprises PP&L’s certificated service territory on the effective date of the Act, whether such customer was a customer on the effective date of the Act or became a customer after that effective date, (i) Competitive Transition Charges (“CTCs”) as provided in the Joint Petition in an amount

sufficient to permit PP&L to recover the full amount of its Transition or Stranded Costs as authorized for recovery by the Commission's approval of the Settlement Petition, and (ii) Intangible Transition Charges in an amount sufficient to recover the aggregate principal amount of Transition Bonds plus ~~an~~ a reasonable amount sufficient to provide for any credit enhancement, to fund any reserves, and to pay interest, premiums upon acquisition or redemption of equity or debt, if any, costs of defeasance, servicing fees and other fees, costs and charges relating to the Transition Bonds (the Transition or Stranded Costs, which includes principal of and interest on Transition Bonds, costs for credit enhancement, the costs of retiring existing debt and equity, costs of defeasance, servicing fees and other related fees, taxes, costs, charges and expenses permitted to be recovered through the Intangible Transition Charges, collectively, the "Qualified Transition Expenses"). The Commission finds that such recovery and the imposition of such CTCs and Intangible Transition Charges are in the public interest and are just and reasonable. The Commission finds that good cause has been shown to extend the payment period for imposing the CTCs and the Intangible Transition Charges to December 31, 2009. The Intangible Transition Charges shall be collected over periods through December 31, 2009. The Intangible Transition Charges shall be collected over periods of time and in such amounts as are necessary to amortize each series and class of Transition Bonds in accordance with the terms thereof, but in no event shall be charged to customers after December 31, 2009. Notwithstanding anything else in this Qualified Rate Order, the Intangible Transition Charges shall be collected from customers in an amount sufficient to discharge the Transition Bonds in accordance with their terms.

6. Upon the successful issuance of Transition Bonds authorized by this Qualified Rate Order and the imposition of Intangible Transition Charges related thereto, PP&L is directed to implement the following adjustments to its rates: PP&L shall reduce the CTCs imposed on its customers by an amount equal to the Intangible Transition Charges associated with such Transition Bond issuance and PP&L shall reduce the CTCs imposed on its customers by an additional amount necessary to flow through to customers 75% of the net savings achieved as a result of securitization of its Transition or Stranded costs and issuance of Transition Bonds. The reductions specified above shall be implemented on the following terms: (a) upon the issuance of any series of Transition Bonds, a corresponding reduction shall be calculated and implemented corresponding to each such series; (b) the rate reduction shall be applied to bills using the method and allocation set forth in the Joint Petition; and (c) the Intangible Transition Charges associated with the Transition Bonds issued on that date shall be applied to bills simultaneously with the reduction of the CTCs.

7. That the CTCs and the Intangible Transition Charges shall be applied to customer bills using the methodology and allocation set forth in PP&L's QRO Application and its Restructuring Filing, as adjusted by the Joint Petition. Pursuant to Section 2812(b)(5) of the Act, the Commission authorizes PP&L to make annual adjustments (each, an "Annual Adjustment") to the Intangible Transition Charges if collections of such Intangible Transition Charges fall below the amount necessary to ensure the receipt by the assignee of the Intangible Transition Property and the Financing Party of revenues sufficient to recover fully the Qualified Transition Expenses consistent with this Commission's Order; provided, however, that

adjustments during the final calendar year of Intangible Transition Charge collection for any series of Transition Bonds shall be done quarterly or monthly, if necessary, in order to ensure full recovery of Intangible Transition Charges. The revenues received by the assignee of the Intangible Transition Property and the Financing Party through the Intangible Transition Charges shall be determined to be sufficient for this purpose if and only if the revenues so received through the Intangible Transition Charges are sufficient to provide for the payment of principal, interest, and acquisition or redemption premiums on the Transition Bonds, to fund any reserves and to pay related credit enhancement, servicing fees and other related fees, costs and charges in accordance with the terms thereof and as consistent with the terms of this Qualified Rate Order and the Joint Petition. For each Annual Adjustment, PP&L shall file with this Commission: (a) an accounting of Intangible Transition Charges received by the assignee of the Intangible Transition Property and the Financing Party for the previous annual period; (b) a statement of any over- or under-receipts; (c) the charge or credit to be added to Intangible Transition Charges to ensure that the Intangible Transition Charges revenue received by the assignee of the Intangible Transition Property and the Financing Party will be sufficient to amortize the Qualified Transition Expenses in accordance with the amortization schedule for Transition Bonds to be determined at the time of issuance of each series of Transition Bonds, and the corresponding reduction or increase in the CTCs or, if CTCs have not been imposed, PP&L's distribution rates; and (d) any proposal by PP&L to modify the reconciliation methodology. Pursuant to 66 Pa.C.S. §2812(b)(5), this Commission shall finally adjudicate all Annual Adjustments within 90 days of PP&L's Annual Adjustment filing.

8. That this Commission determines that the methodology under which PP&L will recover the Intangible Transition Charges authorized by this Qualified Rate Order satisfies the provisions of 66 Pa.C.S. § 2812(g), which require that the methodology not shift inter-class or intra-class and that the methodology maintains consistency with the allocation methodology for utility production plant used by the Commission in PP&L's most recently-concluded base-rate proceeding.

9. That this Commission concludes that it is in the public interest to, and authorizes PP&L and any Assignee to, (a) assign, sell, transfer or pledge Intangible Transition Property (such term includes all right, title and interest of PP&L or any Assignee in this Qualified Rate Order) in an amount sufficient to recover all its Qualified Transition Expenses and in all revenues, collections, claims, payments, money or proceeds arising from Intangible Transition Charges pursuant to this Qualified Rate Order to the extent this Qualified Rate Order and the rates and other charges authorized hereunder are declared irrevocable and (b) issue, sell and refinance, in reliance on this Qualified Rate Order, one or more series of Transition Bonds, each series in one or more classes, secured by the Intangible Transition Property created by this Qualified Rate Order; provided that the final maturity of any series of Transition Bonds shall not exceed 10 years from the date of issuance and in no event shall any Transition Bond have a final maturity after December 31, 2009. Notwithstanding the foregoing, PP&L retains sole discretion regarding whether to assign, sell or otherwise transfer Intangible Transition Property created hereby or to issue or cause the Transition Bonds to be issued or refinanced.

10. That PP&L or any Assignee may refinance the Transition Bonds in a face amount not to exceed the unamortized principal thereof. That, if PP&L or any Assignee refinances the Transition Bonds, the Intangible Transition Charges authorized in this Qualified Rate Order shall be adjusted in accordance with the true-up mechanism described in paragraph 7 of this Qualified Rate Order to ensure the receipt by the Transition Bond Assignee of revenues sufficient to pay all Transition or Stranded costs of PP&L approved by the Commission for recovery under Sections 2804 (relating to standards for restructuring of electric industry) and 2808 (relating to competitive transition charge), through the issuance of Transition Bonds; the reasonable costs of retiring existing debt or equity capital of the electric utility or its holding company parent, including accrued interest and premiums upon acquisition or redemption of equity or debt, costs of defeasance, and other related fees, costs and charges relating to, through the issuance of Transition Bonds or the assignment, sale or other transfer of Intangible Transition Property; and the costs incurred to issue, service or refinance the Transition Bonds, including accrued interest and acquisition or redemption premium, and other related fees, taxes, costs and charges, or to assign, sell or otherwise transfer Intangible Transition Property. The revenues received by the Transition Bond Assignee through the Intangible Transition Charges shall be determined to be sufficient for this purpose if and only if the revenues so received through the Intangible Transition Charges provide for the amortization of Transition Bonds in accordance with the amortization schedule set forth in any prospectus or other offering document provided to the holders of the refinanced bonds after payment of interest, reserves, all Transition or Stranded costs of PP&L approved by the Commission for recovery under Sections 2804 (relating to standards for restructuring of electric industry) and 2808 (relating to competitive transition

charge), through the issuance of Transition Bonds; the costs of retiring existing debt or equity capital of the electric utility or its holding company parent, including accrued interest and premiums upon acquisition or redemption of equity or debt, costs of defeasance, and other related fees, costs and charges relating to, through the issuance of Transition Bonds or the assignment, sale or other transfer of Intangible Transition Property; and the costs incurred to issue, service or refinance the Transition Bonds, including accrued interest and premiums upon acquisition or redemption of equity or debt, and other related fees, costs and charges, or to assign, sell or otherwise transfer Intangible Transition Property.

11. That this Commission directs that PP&L use the proceeds from the assignment, sale, transfer or pledge of Intangible Transition Property and the issuance and sale of Transition Bonds principally to reduce PP&L's Transition or Stranded Costs as set forth in the Settlement Petition and to reduce related capitalization. The Commission authorizes PP&L to reduce PP&L's existing capitalization through retirement of outstanding debt and preferred stock and through stock buy backs, dividends and market purchases of common stock in such proportions as PP&L determines.

12. That PP&L shall file with this Commission, no later than 120 days after the issuance or refinancing of Transition Bonds, a description of the final structure of each issuance or refinancing of such Transition Bonds, including the principal amount, the price at which each such series and/or class of Transition Bonds was sold, payment schedules, the interest rate and other financing costs, and the final plans for PP&L's use of the proceeds of such

offering. Notwithstanding such filing, the final structure of each such issuance or refinancing shall not be subject to change or revision by this Commission after the date of such issuance or refinancing.

13. That, to the extent that PP&L, or any Assignee, assigns, sells, transfers, or pledges any interest in the Intangible Transition Property created hereby, this Commission authorizes PP&L to contract, for a specified fee, with such Assignee for PP&L, its successors or assigns to continue to operate the system to provide electric services to PP&L's customers, to impose and collect the applicable Intangible Transition Charges for the benefit and account of the Assignee, to make periodic adjustments of Intangible Transition Charges contemplated under paragraph 7 of this Qualified Rate Order, and to account for and remit the applicable Intangible Transition Charges to or for the account of the Assignee free of any charge, deduction or surcharge of any kind (other than the specified contractual fee referred to above). This Commission also authorizes PP&L to contract with the Assignee and an alternative party, which may be a trustee, that the alternative party will replace PP&L under its contract with the Assignee and perform the obligations of PP&L contemplated in this Qualified Rate Order. The obligations of PP&L (a) shall be binding upon PP&L, its successors and assigns and (b) shall be required by this Commission to be undertaken and performed by PP&L and any other entity which provides transmission and distribution services to a person that was a customer of PP&L located within PP&L's certificated territory on January 1, 1997, or that became a customer of electric services within such territory after January 1, 1997, and is still located within such territory, as a condition to providing service to such customer or municipal entity providing such

services in place of PP&L by PP&L or other entity.

14. That this Commission hereby declares that this Qualified Rate Order shall be irrevocable for purposes of Section 2812 of the Public Utility Code, 66 Pa.C.S. § 2812, and accordingly agrees that it will not directly or indirectly, by any subsequent action, reduce, postpone, impair or terminate this Qualified Rate Order or the Intangible Transition Charges authorized to be imposed or collected under this Qualified Rate Order. This Commission further declares that the right, title and interest of PP&L and any Assignee in this Qualified Rate Order and the Intangible Transition Charges, the rates and other charges authorized hereby and all revenues, collections, claims, payments, money or proceeds of or arising from the same constitutes Intangible Transition Property. PP&L shall have the irrevocable right to issue Transition Bonds in accordance with this Qualified Rate Order until December 31, 2009.

15. That PP&L may apply to the Commission for supplements to this Qualified Rate Order, not inconsistent with the terms and provisions hereof and the Settlement Petition, as PP&L deems necessary to enable the issuance of Transition Bonds authorized hereunder.

16. That during some or all of the period during which the Intangible Transition Charges and the CTCs approved by this Qualified Rate Order are being collected, the generation component of PP&L's charges to customers will be limited by the provisions of 66 Pa.C.S. § 2804(4) (pertaining to rate caps) and the provisions of the Joint Petition. For purposes of 66

Pa.C.S. § 2804(4)(ii), the generation component of PP&L's charges includes CTCs, Intangible Transition Charges, and other generation charges. If the combined total of these elements would cause the generation component of PP&L's charges to exceed the rate cap specified in 66 Pa.C.S. § 2804(4) and the Joint Petition, PP&L shall retain whatever right it may have under the existing provisions of the statute as limited by the Joint Petition to request relief from the rate cap, but if it does not seek such relief or that relief is denied, PP&L shall adjust the non-securitized elements of its generation charges, rather than the Intangible Transition Charges approved by this Qualified Rate Order, to bring the charges into compliance with the rate cap provisions of 66 Pa.C.S. § 2804(4) and the Joint Petition.

17. That all regulatory approvals within the jurisdiction of the Commission that are necessary for the securitization of Qualified Transition Expenses and all related transactions contemplated in PP&L's Application for a Qualified Rate Order, including but not limited to any approvals under Chapters 11 and 19 of the Public Utility Code, are hereby granted.

PP&L, Inc.

TRANSITION BOND EXPENSE ADJUSTMENT (TBEA)

(C)

In addition to the net charges provided for in this tariff, values as indicated in the table below will be applied to all service on and after \_\_\_\_\_, 1999. The TBEA will become effective on 60 days notice to the Commission and will be subject to an annual reconciliation and review process.

The TBEA provides a reconciliation mechanism to collect or refund the difference between estimated Transition Bond Expenses that have been incorporated into the issuance of Transition Bonds being recovered in the Intangible Charge and the actual Transition Bond Expenses. Transition Bond Expenses are expenses associated with the issuance of Transition Bonds.

Effective Rate Table

Rate Class

TBEA

(C) Denotes Change

Issued: \_\_\_\_\_, 1998

Effective: \_\_\_\_\_, 1998

PP&L, Inc.

NET SECURITIZATION ADJUSTMENT (NSA)

(C)

In addition to the net charges provided for in this tariff, values as indicated in the table below will be applied to service on and after xxx xx, 1999.

The NSA is comprised of two separate factors, the Securitization Rate Reduction and the Intangible Transition Charge. The factors as described below will become effective on 10 days notice to the Commission.

Securitization Rate Reduction (SRR)

The SRR is a credit to the Company's Competitive Transition Charges expressed as a percentage of such charges, reflecting both (a) reductions in the CTCs that equal the ITCs for the same Rate Classes and (b) additional reductions to the CTCs to flow through to customers 75% of the net revenue requirement from reduction resulting from the Company's securitization of Qualified Transition Expenses and issuance of Transition Bonds pursuant to Section 2808 and 2812 of the Pennsylvania Public Utility Code. The SRR will be recalculated whenever the level of revenue requirement reduction changes due to changes in the level of asset securitization, as evidenced by the issuance date of the Transition Bonds .

Intangible Transition Charge (ITC)

The ITC is a charge that is added to, and expressed as a percentage of, the Company's Competitive Transition Charges reflecting the revenue requirement necessary to amortize the Qualified Transition Expense principal balance. The ITC will be recalculated:

- (1) whenever new Transition Bonds are issued as evidenced by the issuance date of the bonds,
- (2) periodically, to reconcile unamortized Qualified Transition Expenses principal balance, as mandated by the terms and conditions of the Transition Bond agreements.

Effective Rate Table

<u>Rate Class</u>	<u>SRR</u>	<u>ITC</u>	<u>NSA</u>
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(C) Denotes Change

Issued: \_\_\_\_\_, 1998

Effective: \_\_\_\_\_, 1998

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**PP&L, Inc.**

**ELECTRIC GENERATION SUPPLIER COORDINATION TARIFF**

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COMPANY OFFICE LOCATION

2 North Ninth Street  
Allentown, Pennsylvania 18101

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Issued: August 11, 1998

Effective: August 27, 1999

ISSUED BY: William F. Hecht - President  
PP&L, Inc.  
2 North Ninth Street  
Allentown, PA 18101

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**NOTICE.**

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Issued August 12, 1998

Effective January 1, 1999

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## DEFINITION OF TERMS AND EXPLANATION OF ABBREVIATIONS

**Active Load Management** - the process for arranging to have firm load become interruptible in accordance with criteria established by the PJM OI.

**Appropriate Similar Day** - hourly forecasted load comparable based on week day, month, season, and weather.

**Bad Credit** - an EGS has bad credit if it is insolvent (as evidenced by a credit report prepared by a reputable credit bureau or credit reporting agency or public financial data, liabilities exceeding assets or generally failing to pay debts as they become due) or has failed to pay Company invoices when they became due on two or more occasions within the last twelve billing cycles.

**Charge** - any fee or charge that is billable by the Company to an EGS under this Tariff, including any Coordination Services Charge.

**Competition Act** - the Electricity Generation Customer Choice and Competition Act, 66 Pa.C.S. §2801, et seq.

**Competitive Energy Supply** - unbundled energy and/or capacity provided by an Electric Generation Supplier.

**Coordination Activities** - all activities related to the provision of Coordination Services.

**Coordination Obligations** - all obligations identified in Rule 4 of the Tariff, relating to the provision of Coordination Services.

**Coordination Services** - those services that permit the type of interface and coordination between EGSs and the Company in connection with the delivery of Competitive Energy Supply to serve Customers located within the Company's service territory, including: load forecasting, certain scheduling-related functions and reconciliation

**Company** - PP&L, Inc.

**Coordinated Supplier** - an Electric Generation Supplier that has appointed a Scheduling Coordinator as its designated agent for the purpose of submitting energy schedules to the PJM OI.

**Creditworthy** - a creditworthy EGS pays the Company's charges as and when due and otherwise complies with the Rules and Regulations of this Tariff or the PaPUC. To determine whether an EGS is creditworthy, the Company will evaluate the EGS's record of paying Company charges, and may also take into consideration the EGS's credit history.

**Customer** - any person, partnership, association, or corporation receiving Competitive Energy Supply from an Electric Generation Supplier in accordance with the Competition Act at a single metered location.

**Deliver** - to "Deliver" a document or other item under this Tariff shall mean to tender by certified mail, hand delivery, or overnight express package delivery service.

**Direct Access** - "Direct Access" shall have the meaning set forth in the Competition Act.

**EDC Tariff** - the Company's Electric Service Tariff, denominated Electric Pa. P.U.C. No. 201.

**Electric Distribution Company or "EDC"** - a public utility that owns electric distribution facilities. At times, this term is used to refer to the role of the Company as a deliverer of Competitive Energy Supply in a Direct Access environment as contemplated in the Competition Act.

**Electric Generation Supplier or "EGS"** - a supplier of electric generation that has been certified or licensed by the Pennsylvania Public Utility Commission to sell electricity to retail customers within the Commonwealth of Pennsylvania in accordance with the Competition Act.

**EGS Representative** - any officer, director, employee, consultant, contractor, or other agent or representative of an EGS in connection with the EGS's activity solely as an EGS. To the extent an EGS is a division or group of a company, the term EGS Representative does not include any person in that company who is not part of the EGS division.

**FERC** - the Federal Energy Regulatory Commission.

**Hourly or Sub-Hourly Metering Equipment** - metering equipment that supplies half-hourly readings of kW and power factor via remote communications, and not metering equipment from which quarter-hourly or hourly demand readings may be obtained through on-site querying of the metering equipment.

**Interest Index** - an annual interest rate determined by the average of 1-Year Treasury Bills for September, October and November of the previous year.

**Kilowatt or kW** - unit of measurement of useful power equivalent to 1000 watts.

**Load Bus** - as used in this tariff, shall have the same meaning ascribed to the term in the PJM Tariff.

**Load Serving Entity or "LSE"** - an entity that has been granted the authority or has an obligation pursuant to State or local law, regulation or franchise to sell electric energy to end-users located within the PJM Control Area as that term is defined by the PJM Tariff.

**Locational Marginal Price or "LMP"** - the hourly integrated marginal price to serve load at individual locations throughout PJM, calculated by the PJM OI as specified in the PJM Tariff.

**Megawatt or MW** - one thousand kilowatts.

**Meter Read Date** - the date on which the Company schedules a meter to be read for purposes of producing a customer bill in accordance with the regularly scheduled billing cycles of the Company.

**Month** - a month under this Tariff means 1/12 of a year, or the period of approximately 30 days between two regular consecutive readings of the Company's meter or meters installed on the customer's premises.

**Network Integration Transmission Service Reservation** - a reservation under the PJM Tariff of Network Integration Transmission Service, which allows a transmission customer to integrate and economically dispatch generation resources located at one or more points in the PJM Control Area to serve its Network load as that term is defined by the PJM Tariff.

**PaPUC or Commission** - The Pennsylvania Public Utility Commission.

**PJM** - the Pennsylvania-New Jersey-Maryland Interconnection LLC.

**PJM Control Area** - that certain Control Area encompassing systems in Pennsylvania, New Jersey, Maryland, Delaware and the District of Columbia and which is recognized by the North American Electric Reliability Council as the "PJM Control Area."

**PJM eScheduler System** - software program administered by the PJM OI through which energy load schedules may be submitted.

**PJM OI** - the PJM Office of Interconnection, the system operator for the PJM Control Area.

**PJM Tariff** - the PJM Open Access Transmission Tariff on file with the FERC and which sets forth the rates, terms and conditions of transmission service over transmission facilities located in the PJM Control Area.

**Scheduling Coordinator** - an entity that performs one or more of an EGS's Coordination Obligations, including the submission of energy schedules to the PJM OI, and that either is (1) a member of the PJM Interconnection, L.L.C. or (2) is the agent, for scheduling purposes, of one or more Electric Generation Suppliers that are members of the PJM Interconnection, L.L.C.

**Tariff** - this Electric Generation Supplier Coordination Tariff.

## RULES AND REGULATIONS

### 1. THE TARIFF

**1.1 Filing And Posting.** A copy of this Tariff, which comprises the Charges, Rules and Regulations and Riders under which the Company will provide Coordination Services to Electric Generation Suppliers, is on file with the Commission and is posted and open to inspection at the offices of the Company.

**1.2 Revisions.** This Tariff may be revised, amended, supplemented or otherwise changed from time to time in accordance with the Pennsylvania Public Utility Code, and such changes, when effective, shall have the same force as the present Tariff.

**1.3 Application.** The Tariff provisions apply to all EGSs providing Competitive Energy Supply to Customers located in the Company's service territory including an affiliate or division of the Company that provides Competitive Energy Supply, and with whom the Company has executed an Individual Coordination Agreement as required herein. In addition, the Charges herein shall apply to anyone receiving service unlawfully or to any unauthorized or fraudulent receipt of Coordination Services.

**1.4 Rules And Regulations.** The Rules and Regulations, filed as part of this Tariff, are a part of every Individual Coordination Agreement entered into by the Company pursuant to this Tariff and govern all Coordination Activities, unless specifically modified by a Charge or Rider provision. The obligations imposed on EGSs in the Rules and Regulations shall apply as well to everyone receiving service unlawfully or to any unauthorized or fraudulent receipt of Coordination Services.

**1.5 Use Of Riders.** The terms governing the supply of Coordination Services under this Tariff or a Charge therein may be modified or amended only by the application of those standard Riders, filed as part of this Tariff.

**1.6 Statement By Agents.** No Company representative has authority to modify a Tariff rule or provision, or to bind the Company by any promise or representation contrary thereto.

### 2. SCOPE AND PURPOSE OF TARIFF

**2.1 Scope And Purpose Of Tariff.** This Tariff sets forth the basic requirements for interactions and coordination between the Company as the Electric Distribution Company and EGSs necessary for ensuring the delivery of Competitive Energy Supply from EGSs to their Customers commencing on January 1, 1999.

**2.2 Applicability of Terms to Scheduling Coordinators.** As used in this Tariff, the term "EGS" shall apply equally to a Scheduling Coordinator for an EGS's responsibilities and rights properly assigned to that Scheduling Coordinator by the EGS.

**2.3 FERC Jurisdictional Matters.** The inclusion of FERC-jurisdictional matters within the scope of this Tariff is intended solely for informational purposes and is not intended to accord any jurisdictional authority over such matters to the PaPUC. If anything stated herein is found by the FERC to conflict with or be inconsistent with provision of the Federal Power Act (FPA), or any rule, regulation, order or determination of the FERC under the FPA the applicable FERC rule, regulation, order or determination of the FPA shall control. To the extent required under any provision of the FPA, or any rule, regulation, order or determination of the FERC under the FPA, the Company shall secure, from time to time, all appropriate orders, approvals and determinations from the FERC necessary to implement this Tariff.

### 3. COMMENCEMENT OF EDC/EGS COORDINATION

**3.1 Registration for Coordination Services.** An EGS seeking to obtain Coordination Services hereunder must deliver to the Company a completed registration, consisting of the following:

- (a) an Individual Coordination Agreement, as contained in a Rider hereto, fully executed in triplicate by a duly authorized representative of the EGS;
- (b) if an EGS will utilize Sections 6-9 of this tariff, written evidence that the EGS is a signatory to the Operating Agreement and Reliability Assurance Agreement of the PJM Interconnection, L.L.C., or their successors, if any; and
- (c) the EGS's Pennsylvania sales tax identification number;

**3.2 Incomplete Registrations.** In the event the EGS submits an incomplete registration, the Company shall provide written notice to the EGS of the registration's deficiencies within ten (10) business days after the date of service, as determined under 52 Pa. Code § 1.56, of the registration. An incomplete registration is not deemed to be ready for processing by the Company until it is completed by the EGS and Delivered to the Company.

**3.3 Credit Check.** A registration for Coordination Services shall constitute authorization to the Company to conduct a background credit check on the EGS.

**3.4 Processing of Registrations.** The Company shall complete the processing of each registration for Coordination Services within ten (10) business days after the date of service of the registration, as determined under 52 Pa. Code § 1.56, of the completed registration. The Company shall approve all completed registrations unless grounds for rejecting the registration, as defined below, exist.

**3.5 Grounds for Rejecting Registration.** The Company may reject any registration for Coordination Services on any of the following grounds:

- (a) the EGS has undisputed outstanding debts to the Company arising from its previous receipt of Coordination Services from the Company under this Tariff;
- (b) the EGS has failed to comply with credit requirements specified in Rule 12 of the Tariff; and
- (c) the EGS has failed to submit a completed registration within thirty (30) calendar days after the date of service of the registration, as determined under 52 Pa. Code § 1.56, of written notice of the registration's deficiency.

The Company may also petition the PaPUC to reject the registration of an EGS with Bad Credit. The Company need not provide Coordination Services to the EGS pending the PaPUC's review of said Petition unless the EGS has provided security to the Company as provided for in Rule 12.4.

**3.6 Offer of Conditional Acceptance of Registration.** Where grounds for rejection of a registration exist due to an EGS's outstanding and undisputed debts to the Company arising from its previous receipt of Coordination Services from the Company under the Tariff, the Company may offer the affected EGS a conditional acceptance if the EGS pays such debts before it receives Coordination Services. If the EGS rejects the Company's offer of conditional acceptance under this Rule, then its registration for Coordination Services will be deemed rejected.

**3.7 Rejection of Registration.** Upon rejection of any registration, the Company shall provide the affected EGS with written notice of rejection within the time periods set forth in Section 3.4, and shall state the basis for its rejection.

**3.8 Approval of Registration.** Upon its approval of a registration for Coordination Services, or pursuant to an order of the Commission approving a registration, the Company shall execute the Individual Coordination Agreement tendered by the registrant and shall file a copy with the PaPUC, shall provide one to the EGS by delivering such within the period set forth in Section 3.4 and shall maintain a copy for its own records.

**3.9 Identification Numbers.** Upon its approval of a registration for Coordination Services, the Company will assign to the EGS a supplier identification number to be used in subsequent electronic information exchange between the EGS and the Company. This number shall be consistent with the EGS's Dunn & Bradstreet Business number. In addition, the Company may also assign to the EGS identification numbers that may be required by PJM in connection with the submission and/or confirmation of load schedules for serving load in the Company's service territory.

**3.10 Commencement of Coordination Services.** Coordination Services shall commence *within fifteen (15) days after the Company's acceptance of an EGS's registration for Coordination Services* provided that all of the information necessary for the Company to provide Coordination Services has been provided to the Company and any conditions required under Rule 3.6 have been satisfied by the EGS.

## 4. COORDINATION OBLIGATIONS

**4.1 Provision of Coordination Services.** The Company shall provide all Coordination Services, as provided herein, necessary for the delivery of an EGS's energy and/or capacity to serve retail access load located within the Company's service territory.

**4.2 Timeliness and Due Diligence.** EGSs shall exercise due diligence in meeting their obligations and deadlines under this Tariff so as to facilitate Direct Access.

**4.3 Duty of Cooperation.** The Company and each EGS will cooperate in order to ensure delivery of Competitive Energy Supply to Customers as provided for by this Tariff, the EDC Tariff and the Competition Act.

**4.4 State Licensing.** An EGS must have and maintain in good standing a license from the PaPUC as an authorized EGS.

**4.5 Energy Procurement.** An EGS must make all necessary arrangements for obtaining Competitive Energy Supply in a quantity sufficient to serve its own Customers.

**4.6 PJM Services and Obligations.** An EGS is responsible for procuring those services provided by the PJM OI that are necessary for the delivery of Competitive Energy Supply to its Customers. In addition, an EGS must satisfy all obligations which are imposed on LSEs in the PJM Control Area.

**4.7 Energy Scheduling.** An EGS must make all necessary arrangements for scheduling the delivery of energy through the PJM OI. The Company shall assist in that process as set forth in Rule 7.

**4.8 Reliability Requirements.** An EGS shall satisfy those reliability requirements issued by the PaPUC, or any other governing reliability council with authority over the EGS, that apply to EGSs.

**4.9 Determination of Load and Location.** The Company and EGS shall coordinate with the PJM OI to determine the magnitude and location of the EGS's actual or projected load, as required by the PJM OI, for the purpose of calculating a Network Integration Transmission Service Reservation, an installed capacity obligation, or other requirements under the PJM Tariff.

**4.10 Supply of Data.** An EGS and the Company shall supply to each other all data, materials or other information specified in this Tariff, or otherwise reasonably required by the EGS or Company in connection with the provision of Coordination Services, in a thorough and timely manner.

**4.11 Communication Requirements.** An EGS must be equipped with the following communications capabilities:

- Internet electronic mail (e-mail), including the capability to receive ASCII file attachments;
- Internet browser capable of access to the PP&L web-site and file uploads and downloads;
- Internet EDI peer-to-peer communication with push and pull capability, and
- VAN and single Internet file transfer protocol, as determined by the Electronic Data Exchange Working Group (EDEWG) and Pa PUC Docket No. M-00960890.F0015.

**4.12 Record Retention.** An EGS and the Company shall comply with all applicable laws and PaPUC rules and regulations for record retention, including but not limited to those Rules of Chapter 56 of the PaPUC's regulations.

**4.13 Payment Obligation.** The Company's provision of Coordination Services to an EGS is contingent upon the EGS's payment of all charges provided for in this Tariff.

**4.14 Data Exchange.**

(a) The Company shall at a minimum, comply and adhere to the terms and requirements of the Consensus Plan submitted by the Electronic Data Exchange Working Group (Electronic Data Exchange Standards for Electric Deregulation in The Commonwealth of Pennsylvania) reviewed and approved by the Pilot Implementation Committee and the Pa. PUC. (Docket No. M-00960890F.0015). These standards, as they currently are written, shall address the necessary data transfer and exchange to accommodate registration and switching of customers, metering and billing information, and current customer information. The Company shall follow these standards as they currently exist, and as they may change from time-to-time, for all data exchange procedures and requirements.

(b) The Company shall make available to an EGS, on a daily basis, the following information regarding that EGS's Customers in electronic files available on the PP&L website:

- (i) PP&L Account Number
- (ii) Billing Route
- (iii) Customer Name
- (iv) Service Address
- (v) Service City
- (vi) Service State Zip
- (vii) Mailing Address
- (viii) Mailing City
- (ix) Mailing State Zip
- (x) Contact Name (applicable to industrial and large commercial Customers only)
- (xi) Contact Address (applicable to industrial and large commercial Customers only)
- (xii) Contact City, State, Zip (applicable to industrial and large commercial Customers only)
- (xiii) Unlisted Phone Number Code

- (xiv) Telephone Number
- (xv) Rate Class
- (xvi) Rate Class Load Profile and Class Strata (if any)
- (xvii) Registered Peak Demand
- (xviii) Load Factor
- (xix) Annual kWh
- (xx) Meter Use Code
- (xxi) Delivery Date
- (xxii) Load Bus
- (xxiii) Whether Customer is on budget billing
- (xxiv) Whether the Customer a special payment agreement.

(c) An EGS must notify its Customers that by signing up for Competitive Energy Supply with the EGS, the Customer is consenting to the disclosure by the Company to the EGS of certain basic information about the Customer, as listed in Rule 4.14(b). At minimum, the notice shall inform the Customer that the following information will be disclosed: the Customer's PP&L account number, data about meter readings, rate class and electric usage, the Customer's address(es) and telephone number, and whether or not the Customer is on a budget billing plan, or as otherwise approved by the PUC Bureau of Consumer Services.

(d) The Company will maintain on its website, copies of the standard file formats it will provide to EGSs containing the data listed in this Rule of this Tariff. The Company will not change the file formats without first providing via Internet electronic mail and posting on its website at least seven (7) days notice of any such change. The Company will make a good faith effort to provide a greater period of notice when warranted.

(e) Nothing in this Rule 4.14 shall prohibit the Company from making available to EGSs other electronic data, in formats chosen by the Company. The Company will not change the file formats of the electronic data made available under this Rule 4.14(e) without first providing via Internet electronic mail and posting on the website at least seven (7) days notice of such change. The Company will make a good faith effort to provide a greater period of notice when warranted.

**4.15 Codes of Conduct.** The Codes of Conduct contained in the Company's EDC Tariff are incorporated herein by reference.

**4.16 Standards of Conduct and Disclosure for Licensed EGSs.** The Commission's Standards of Conduct and Disclosure for Licensees are incorporated herein by reference.

## 5. DIRECT ACCESS PROCEDURES

### 5.1 Customer Enrollment

The selection of Customers eligible to obtain Competitive Energy Supply shall occur in accordance with the Direct Access Procedures set forth in the Enrollment Procedures Applicable to Electric Distribution Companies and Electric Generation Suppliers During the Phased-In Implementation of Direct Access (Pa PUC Docket No. M-00960890F.0014 and M-00960890F.0015).

**5.1.1 Provision of Customer Lists.** Concurrent with the Company notifying Customers of their eligibility to select an EGS, the Company shall provide to all EGSs a complete list of eligible enrolled Customer information in electronic format. This list(s) shall include and designate Pilot Customers. This list shall be provided electronically and be made available on the same date Customers are notified that they have been enrolled. This list shall include all of the information outlined in Rule 5.1.3 (a), below for Customers that consent to the release of Customer information, and only the information identified in Rule 5.1.3(b), below, for Customers that do not so consent. The Company will continue to enroll Customers and the list of enrolled Customers will be updated weekly until the loads of the enrolled Customers comprise at least 66% of the non-coincident peak load of each residential and commercial rate class or full Direct Access begins.

### 5.1.3 Data Exchange.

(a) The list of enrolled Customers that the Company provides to all EGSs pursuant to Rule 5.1.2, above, shall contain the following information about Customers that have consented to the release of Customer information:

- (i) PP&L Account Number
- (ii) Billing Route
- (iii) Customer Name
- (iv) Service Address
- (v) Service City
- (vi) Service State Zip
- (vii) Mailing Address
- (viii) Mailing City
- (ix) Mailing State Zip
- (x) Contact Name (applicable to industrial and large commercial Customers only)
- (xi) Contact Address (applicable to industrial and large commercial Customers only)
- (xii) Contact City, State, Zip (applicable to industrial and large commercial Customers only)
- (xiii) Unlisted Phone Number Code
- (xiv) Telephone Number
- (xv) Rate Class

- (xvi) Rate Class Load Profile and Class Strata (if any)
- (xvii) Registered Peak Demand
- (xviii) Load Factor
- (xix) Annual kWh
- (xx) Meter Use Code
- (xxi) Delivery Date
- (xxii) Load Bus

(b) The list of enrolled Customers that the Company provides to all EGSs pursuant to Rule 5.1.2, above, shall contain the following information about Customers that have not consented to the release of Customer information:

- (i) Name, address, PP&L Account Number.
- (ii) Rate Class

**5.1.4 Manner of Customer Consent.** An EGS that enrolls a Customer in accordance with Rules 5.1 of this Tariff must ask the Customer whether the Customer consents to the disclosure to all EGSs by the Company of Customer-specific information. The EGS must retain a record indicating whether the Customer consented to such disclosure. If the record is not itself a hard copy document, but rather an electronic or computer record, the EGS must be able to print or otherwise reproduce the record in hard copy.

## 5.2 Initial EGS Selection for 1998.

This Rule 5.2 delineates the process of Customer selection of an EGS for the first time during the initial enrollment period. The process for a Customer's selection of an EGS for the first time thereafter is governed by Rule 5.3.

### 5.2.1

(a) An EGS must notify its Customers that by signing up for Competitive Energy Supply with the EGS, the Customer is consenting to the disclosure by the Company to the EGS of certain basic information about the Customer, as listed in Rule 4.14(a). At minimum, the notice shall inform the Customer that the following information will be disclosed: the Customer's PP&L account number, data about meter readings, rate class and electric usage, the Customer's address(es) and telephone number, and whether or not the Customer is on a budget billing plan or payment arrangement or as otherwise approved by the PUC Bureau of Consumer Services.

(b) If an enrolled Customer or person authorized to act on the enrolled Customer's behalf contacts the Company via telephone to select an EGS, the Company will direct the Customer to contact that EGS and will provide the telephone number of the EGS to the Customer, if required.

(c) The EGS will obtain appropriate authorization from the Customer, or from the person authorized to act on the Customer's behalf, indicating the Customer's choice of EGS. The

authorization shall include the Customer's acknowledgment that the Customer has received the notice required by Rule 5.2.1(a). It is the EGS's responsibility to maintain records of the Customer's authorization in the event of a dispute, in order to provide documented evidence of authorization to the Company or the Commission.

(d) The EGS shall provide an electronic file to the Company. The required electronic file shall include, at a minimum, EGS ID, PP&L Account Number, Action (ADD), Billing Option, Transaction Date and Transaction Time. Upon receipt of the electronic file from the EGS, the Company will automatically confirm receipt of the file. Within three (3) business days of receipt of the electronic file, through November 1, 1998 and one business day thereafter, the Company will validate the records contained in the file, and will provide an electronic validation, including the number of records received and the reason for any rejections. Such validation shall include appropriate control totals such as number of records received, and the reason for any rejections (e.g., invalid account number). Such validation also shall include information an EGS can use to identify rejected records. If a Customer selects more than one EGS, the EGS that submitted the EGS selection record with the latest valid EGS contract date to the Company before the end of the EGS selection period will be eligible to become the EGS of record on the Customer's regularly scheduled Meter Read Date in January, 1999.

(e) The Company will send, within ten (10) business days until November 1, 1998 and one business day thereafter, a confirmation letter to all Customers who have made an initial EGS selection. Included in this letter shall be notification of a 10-day waiting period in which the Customer may cancel its selection of an EGS. The confirmation letter shall include the Customer's Name, Address, PP&L Account Number, selected EGS, selected Billing Option (1-bill, 2-bills), Service Effective Date and Initial Billing Date. The waiting period shall begin on the day the letter is mailed to the Customer. If the 10-day waiting period expires, and the Customer has not contacted the Company to dispute the EGS selection, the EGS will become the EGS of record for delivery in January, 1999. If the Customer elects to rescind its EGS selection, the Company will notify the rejected EGS, electronically. In the event the Customer rescinds its EGS selection after the 10-day waiting period, the Customer will be advised that the rescinding period has expired and a switch must be requested via the normal EGS selection process.

**5.2.2** If an enrolled Customer contacts the Company by mail to inform the Company that it wishes to obtain Competitive Energy Supply from a particular EGS, the Company will inform the customer that they need to contact the EGS to select the EGS as supplier consistent with the Commissions Standards or Enrollment. The EGS will verify its desire to serve the Customer and follow the process outlined in Rule 5.2.1, before the end of the initial EGS selection period.

### **5.3 Switching Among EGSs (or between an EGS and the Company as the Provider-of-Last Resort), and Initial Selection of an EGS Beginning in January, 1999**

As of January 1999, initial EGS selection switching by Customers shall occur in accordance with the Direct Access Procedures contained in this Tariff.

**5.3.1** An EGS must notify its Customers that by signing up for Competitive Energy Supply with the EGS, the Customer is consenting to the disclosure by the Company to the EGS of certain basic information about the Customer, as listed in Rule 4.14(b). At minimum, the notice shall inform the Customer that the following information will be disclosed: the Customer's PP&L account number, data about meter readings, rate class and electric usage, the Customer's address(es) and telephone number, and whether or not the Customer is on a budget billing plan or payment arrangement or as otherwise approved by the PUC Bureau of Consumer Services.

#### **5.3.2**

(a) If a Customer contacts a new EGS to request a change of EGS and the new EGS agrees to serve the Customer, the Customer's new EGS shall obtain appropriate authorization from the Customer or person authorized to act on the Customer's behalf indicating the Customer's choice of EGS. The authorization shall include the Customer's acknowledgment that the Customer has received the notice required by Rule 5.3.1. It is the EGS's responsibility to maintain records of the Customer's authorization in the event of a dispute, in order to provide documented evidence of authorization to the Company or the Commission.

(b) The Customer's new EGS also shall submit the Customer's information using a file format designated by the Company that complies with Commission requirements, if any, electronically. The required electronic files shall include, at a minimum, EGS ID, PP&L Account Number, Action (ADD), Billing Option, Transaction Date and Transaction Time. Upon receipt of the electronic file from the EGS, the Company will automatically confirm receipt of the file. Within one (1) business days of receipt of the electronic file, the Company will respond electronically and validate records contained in the file, including the number of records received and the reason for any rejections. Such validation shall include appropriate control totals such as number of records received, and the reason for any rejections (e.g., invalid account number). Such validation shall also include information an EGS can use to identify rejected records.

(c) The Company will send the Customer a confirmation letter within one business day notifying the Customer of the right to rescind within ten (10) days. If the Customer does not contact the Company within ten (10) days of the date on the confirmation letter, then the Company will process the selection. The selection will be effective as of the next scheduled Meter Read Date and the EGS will become the EGS of record for delivery provided that: (1) the Company has received at least sixteen (16) days prior notice from the EGS and all Customer information provided to the Company is accurate and complete; (2) the 10-day waiting period has expired; and (3) the Customer has not contacted the Company to dispute

the EGS selection. In such circumstances, the Company will make available to the new EGS an electronic file, containing information for the new Customers of record for that particular EGS, in accordance with Rule 4.14(b).

If, during the 10-day waiting period, the Customer elects to rescind its new EGS selection, the Company will notify the rejected EGS of the rescission electronically. In the event the Customer rescinds their EGS selection after the 10-day waiting period, the Customer will be advised that the rescinding period has expired and a switch must be requested via the normal EGS selection process.

(d) Once the preceding process is complete, the Company will notify the Customer's prior EGS, of the discontinuance of service to the Customer from that prior EGS.

**5.3.3** If a Customer contacts the Company to request a change of EGS, the Company will inform the Customer that the EGS must be contacted to process a supplier switch consistent with the Commissions Standards of enrollment and switching.

**5.3.4** If an EGS wishes to obtain from the Company confidential Customer-specific information about a Customer with whom it is discussing the possibility of providing Competitive Energy Supply, the Company will only provide such information if the EGS provides to the Company a copy of written documentation indicating that the Customer has authorized the release of Customer information to the EGS or if the Customer has agreed to release the information during the enrollment process..

**5.3.5** If a Customer contacts the Company to request a change of EGS to the Company's tariffed Energy and Capacity Charges for Default PLR Service, the Company will process the request as follows. The Company will send the Customer a confirmation letter notifying the Customer of the right to rescind. If the Customer does not contact the Company within ten (10) days of the date on the confirmation letter, then the Company will complete the request. The request will be effective as of the next scheduled Meter Read Date and the Company as the Provider-of-Last Resort will become the supplier of record for delivery provided that: (1) the Company has received at least sixteen (16) days prior notice from the Customer; and (2) the 10-day waiting period has expired; and (3) the Customer has not contacted the Company to rescind or dispute the switch to Default PLR Service. The Company will notify the Customer's prior EGS of the discontinuance of service to the Customer from that prior EGS. Nothing contained herein will result in discontinuance of service to the customer in the event of a default by an EGS.

### **5.3.6**

(a) If a Customer contacts the Company to discontinue electric service at the Customer's then current location, and initiates a request for service at a new location in the Company's service territory, the Company will notify the current EGS, of the Customer's discontinuance of service for the account at the Customer's old location. The Company will also send an electronic transaction to the Customer's selected EGS for its new location, which may or may not be the current EGS. If the selected EGS is not the same EGS that served the

Customer at the old location, the Company will inform the customer that the EGS must be contacted to establish service consistent with the Commissions Standards for switching.

(b) If a Customer contacts the Company to discontinue electric service and indicates that the Customer will be relocating outside of the Company's service territory, the Company will notify the current EGS, via electronic file, of the Customer's discontinuance of service for the account at the Customer's location. If available, the Company will provide the EGS that served the Customer at the old location with the Customer's new mailing address or forwarding address.

**5.3.7** If the Company elects to change the account number for a Customer receiving generation service from an EGS, the Company will notify the EGS of the change in account number at the same Customer location, via electronic file.

#### **5.4 Provisions relating to an EGS's Customers.**

**5.4.1 Arrangements with EGS Customers.** EGSs shall be solely responsible for having appropriate contractual or other arrangements with their Customers necessary to implement Direct Access consistent with all applicable laws, PaPUC requirements, and this Tariff. The Company shall not be responsible for monitoring, reviewing or enforcing such contracts or arrangements.

**5.4.2 Transfer of Cost Obligations Between EGSs and Customers.** Nothing in this Tariff is intended to prevent an EGS and a Customer from agreeing to reallocate between them any charges that this Tariff imposes on the EGS, provided that any such agreement shall not change in any way the EGS's obligation to pay such charges to the Company, and that any such agreement shall not confer upon the Company any right to seek recourse directly from the EGS's Customer for any charges owed to the Company by the EGS.

**5.4.3 Customer Obligations.** Customers of an EGS remain bound by the rules and requirements of the applicable EDC Rate Tariff under which they receive service from the Company with respect to service received from the Company under the applicable EDC Rate Tariff.

## 6. LOAD FORECASTING

**6.1 Customer Load Forecasting.** The Company, in conjunction with an EGS, shall perform a Customer load forecasting process for each EGS's load requirements which shall approximate EGS's anticipated aggregate hourly Customer load. The aggregate hourly load forecast shall define the hourly energy requirements for an EGS. Energy will be delivered to the Company's electric distribution system using the PJM power scheduling policies and procedures.

### 6.2 Forecasting Methodology.

**6.2.1 Monthly Metered Customer Forecasts.** For each EGS, the Company will provide hourly load profiles by rate class for Customers with monthly metering equipment, which will establish the hourly supply obligations of the EGS for serving such Customers. The Company has developed and will maintain, based on load survey data, load forecast categories corresponding to the Company's current rate class load profile identified in the EDC Tariff. The load curves of these rate classes will be the basis for the forecasts prepared by the EGS for the aggregate of monthly metered Customers' load in each rate class load profile.

**6.2.2 Hourly Metered Customer Forecasts.** An EGS shall provide hourly load forecasts for their Customers with Hourly or Sub-Hourly Metering Equipment.

**6.2.3 Typical Load Curve Data.** On or before the day of energy scheduling, the Company will make available to EGSs the typical load and all algorithms and data necessary to calculate the hourly forecast for monthly metered Customers. This information will be available on an ongoing basis for an EGS to download from the web-site and will permit an EGS to develop forecasts for any future period using the same methodology as the Company will use.

**6.2.3.1 Updates to Typical Load Profile Data.** The Company shall review annually its methodology, algorithms and load forecasting results and shall perform additional load studies to update the load curve data as required.

**6.2.4 Right to Aggregate.** EGSs may aggregate their Customers' loads. Such right to aggregate shall not mean that if a Customer of an EGS has multiple PP&L accounts, the Customer's PP&L charges may be billed conjunctively. Such right also shall not mean that the PP&L charges of an EGS's aggregated Customers may be billed conjunctively.

### 6.3 Customer Loads.

**6.3.1 Determination of Customers for Pro-rata Share of Load.** The Company will consider the Rate Schedules of LP-4, LP-5, LP-6, IS-P, LPEP, and IS-T as large Commercial and Industrial Customers and, if over-subscribed, will receive a 'pro-rata' share of the available rate schedule class load for competitive supply during phase-in. All other customers will be able to have all of their load served by competitive supply if they are so chosen under the

provisions of enrollment in their rate class. These customers shall be enrolled on a first come-first served basis pursuant to the Commission's procedures for customer enrollment.

**6.3.2 Partial Purchase From Company Prohibited.** Except as provided in Rule 6.2.5 and 6.2.6, a customer at a single metered location purchasing Competitive Energy Supply from an EGS may not simultaneously purchase energy or capacity from the Company.

**6.3.2.1 Partial Purchase from Company during Phase-In.** The Company shall allow partial competitive supply for large commercial and industrial customers for the duration of the phase-in (January 1, 1999 through January 1, 2000). The partial load from a competitive supplier will be first through the meter on a percent share for any given hour. The percent share shall be at a minimum of 61 percent (in the event of full participation in a rate class with full participation of pilot participating customers continuing their 5 percent of class load into phase-in). The pro-rata percent figure for industrial and large commercial rate classes will be released beginning on August 28, 1998 or as modified by Commission directive. All requirements and responsibilities based upon load and capacity share whether by the Company, PJM or the FERC will be applicable to the amount of the partial load being served by the EGS. Multiple suppliers are prohibited under partial load conditions.

### **6.3.3 Purchase of Energy and Capacity from More Than One EGS.**

Customers may choose to be supplied with energy and/or capacity from more than one EGS. Customers or their EGSs will be responsible to the Company for any additional costs the Company incurs that result from a Customer purchasing energy and/or capacity from more than one EGS. Where one or more of the EGSs serving the customer fails to fulfill its obligation to supply energy or capacity, the customer may receive service from the Company. However, in order for the customer to continue to receive service from the customer's other EGS(s), the customer must arrange for a replacement for the non-supplying EGSs by the end of the second full monthly billing cycle after the customer receives notice of the EGS's failure to supply. If, by that time, the customer has not replaced the non-supplying EGS(s), the customer must either discontinue receiving service from the Company or receive service from the Company for its entire load.

**6.3.3.1 Nature of Split Load Service.** Customers may choose to be supplied with energy and/or capacity from more than one EGS starting with the first full billing cycle in the Year 2000, following the completion of the phase-in and when Rule 6.2.5.2 Partial Load Service therefore becomes unavailable. If a customer receives electric supply from more than one EGS, the Company is not obligated to supply consolidated EDC billing.

## 6.4 Daily Forecasting Process.

**6.4.1 Business Days and Scheduling Window.** The daily forecasting process shall be performed on each business day. A business day is a weekday excepting Company holidays. The daily forecasting process shall be performed on each business day for a scheduling window consisting of all following days through the next business day.

For example, the daily forecasting process shall be performed Monday through Thursday (except holidays) for a scheduling window that covers the following day (midnight to midnight). If the following day is a holiday, then the scheduling window shall include the holiday and be extended to include the first business day following the holiday. Similarly, the daily forecasting process shall be performed on Friday for a scheduling window consisting of the following Saturday, Sunday, and Monday. If the Monday is a holiday, then the scheduling window shall include the holiday and extend through the first business day following the holiday.

In addition to the forecasts required of EGSs hereunder, the EGS may provide advance-hourly forecasts for each of its Customers with Hourly or Sub-Hourly Metering Equipment. Forecasts are not final until the business day before those forecasts are to apply.

**6.4.2 Process Description for Forecasting.** The following process shall be followed on each business day:

### **Step 1:**

Each EGS will calculate the load forecast for each monthly metered rate class load profile by multiplying the load profile for the appropriate day type by the number of an EGS's Customers (including Customers of any Coordinated Suppliers that have a designated EGS as their Scheduling Coordinator) in that rate class load profile. These values will have been adjusted upward by an amount necessary to cover line losses based on current line loss percentages for the Customer Class to which each Customer belongs.

### **Step 2a:**

By 10:00 a.m. Eastern Prevailing Time of the business day, an EGS shall enter the load forecast for each of an EGS's hourly metered Customers and for each hourly metered Customer of any Coordinated Suppliers that have a designated EGS as their Scheduling Coordinator and the aggregated forecast for monthly metered customers. Forecasts for hourly metered Customers should include estimated losses based on current loss factors for each rate class.

If an EGS fails to enter a load forecast for any of its required hourly metered Customers by 10:00 a.m. Eastern Prevailing Time the business day before the load forecast is to apply, the Company will use its forecast values calculated for the hourly load of the EGS previously entered for an Appropriate Similar Day. Such default values shall be

binding on an EGS that fails to enter load forecasts as required as if it had entered the values itself.

**Step 2b:**

The Company and the EGS shall seek to reach an agreement as to the load forecasts submitted by an EGS under Step 2a, provided that nothing in this Step 2b shall limit the Company's right to reject a forecast and submit a Company forecast pursuant to Step 3.

**Step 3:**

The Company will accept or reject an EGS load forecast by 11:00 a.m. Eastern Prevailing Time. If the Company's Alternative Supplier Coordination (ASC) personnel determine that a forecast is going to be rejected and conditions permit, then a ASC staff member will attempt to contact an EGS to explain the reason for rejection and resolve forecast problems. If the reason for rejecting an EGS load forecast values or changes cannot be resolved by 12:00 noon Eastern Prevailing Time, the scheduling process will continue using the Company forecast values.

**6.5 Real-Time Load Following.** To the extent an EGS has installed and pays for the necessary metering and telecommunications equipment for actual load following, an EGS may follow such Customers' load. To the extent that an EGS's total supply is for such Customers, an EGS shall be obligated to follow such Customers' loads on a real-time basis.

For real-time load following, including interruptible Customers claimed with PJM as Active Load Management, an EGS will have special obligations with respect to both the Company and PJM that must be dealt with on a Customer-by-Customer basis to ensure operational integrity. An EGS and the Company shall work cooperatively to address the technical and operational issues posed by real-time load following as the need arises. The loads of Customers using real-time load following will not be incorporated into an EGS's hourly load forecasts except as required for PJM operation and transmission purposes.

To the extent an EGS's commencement of real-time load following requires modifications of the Company's computer, telemetering, telecommunication, and other systems to enable such activity, the EGS making such request shall be responsible for paying the Company's incremental costs associated with such modifications. The Company shall bill the EGS for any such costs in accordance with Rule 13 of this Tariff.

**6.6 Adequacy of Forecast.** An EGS may provide, at its own discretion, its own forecast for the aggregate requirements of its monthly metered Customers, independent of the Company's forecast. The EGS and the Company shall concur on the compatibility of the forecasting methodology to be used by the EGS. The Company may review, for operational reasons, an EGS's forecast. By executing an Individual Coordination Agreement, an EGS agrees that the Company's load forecast for monthly metered Customers will be used for

scheduling absent a specific load forecast by the EGS and will be adequate for this purpose. An EGS's remedies for any claimed deficiency in the Company's forecast for monthly metered Customers shall be limited to either:

1. arranging, at its own expense, for the installation pursuant to PaPUC rules and procedures of Hourly or Sub-Hourly Metering Equipment at Customer's premises in order to permit the Customer's load to be forecasted, billed and reconciled as an hourly Customer; or
2. entering, at its own expense, into a joint load study with the Company to develop new load curves.

### **6.7 Provision of Load Profile Data.**

The Company agrees that it will make Company personnel available to EGSs to explain and discuss the Company's load forecasting procedure, and the applicability of its methodology. In addition, the Company will provide EGSs, upon request, the data points used in the Company's load research system to develop the company's Load forecasts, provided, however, that nothing in this tariff will obligate the Company to disclose the customer specific metering data used to develop these data points.

**6.8 Line Losses.** For purposes of forecasting, scheduling, and reconciliation in sections 6-8 of this Supplier Coordination Tariff, the combined transmission and distribution line losses for the Secondary voltage level (Rate Schedules RS, RTS, RTD, GS-1, GS-3, GH, BL, IS-1, and those applicable to street and area lighting), the Primary voltage level (Rate Schedules LP-4 and IST), and the Transmission voltage level (Rate Schedules LP-5, LP-6, IST, LPEP, and Interruptible Service by Agreement Rider, and Standby Service) shall be calculated by multiplying hourly kWh sales delivered to customer(s) served at these voltage levels by the applicable line loss factor. The applicable line loss factors are:

Secondary voltage level - 1.08047231  
Primary voltage level - 1.05364821  
Transmission voltage level - 1.02682410

The Company reserves the right to file to revise these factors from time to time to reflect changes in system line losses. The Company will revise these line loss factors if the PJM imposes or changes any separate charges on its transmission customers for the level of line losses that is included in these factors. Any such revision will be filed with the FERC and the Commission, provided to EGSs via Internet electronic mail and posting on PP&L's website, and become effective thirty (30) days after filing unless otherwise ordered by the Commission or the FERC. PP&L will file any such revision and propose that it becomes effective concurrently with any change in or imposition of separate PJM line loss charges. The Company will make a good faith effort to advise EGSs of any change in these loss factors more than thirty (30) days in advance of a change when warranted.

## 7. LOAD SCHEDULING

**7.1 Net Load Schedules.** The net load schedule for an EGS shall be equal to the aggregate forecast value for all of the monthly metered and hourly metered Customers of that EGS and any Coordinated Suppliers that have designated the EGS as their Scheduling Coordinator.

**7.2 Rounding to Whole Megawatts.** For as long as the PJM OI or its successor requires the scheduling and delivery of power only in whole MW, the Company will round the aggregate forecast value for each hour to a whole MW value for load scheduling purposes according to the following rules:

- If the aggregate forecast value for an hour is less than 1.0 MW, the value will be rounded to 1.0 MW.
- If the aggregate forecast value for an hour is greater than 1.0 MW, the value will be rounded downward to the nearest whole MW if the decimal portion is less than 0.5
- If the aggregate forecast value for an hour is greater than 1.0 MW, the value will be rounded upward to the nearest whole MW if the decimal portion is greater than or equal to 0.5.

### 7.3 Daily Load Scheduling Process.

**7.3.1 Uploading Schedules.** The Company will upload the load schedule for the scheduling window to PJM by 12:00 noon Eastern Prevailing Time on each business day using the PJM eScheduler System according to PJM requirements. The schedule uploaded by the Company shall be binding on that EGS.

**7.3.2 Load Schedule Changes.** An EGS may initiate changes to the load schedule using the PJM eScheduler System. It is the responsibility of an EGS to make any necessary changes to the PJM eScheduler System and submit a revised load forecast to the Company. The EGS will notify the Company by contacting a member of the Alternative Supplier Coordination Section by telephone and indicate that changes have been made and a general description of the operational reasons for the changes. The Company will make reasonable efforts to review and, if the reason for the changes are determined by the Company to be operationally valid, confirm the load schedule changes using the PJM eScheduler System, prior to the PJM designated deadline. In the absence of confirmation by the Company, the prior load schedule value will remain in effect. In light of deadlines imposed by the PJM OI for the submission of load schedule changes, an EGS should initiate any necessary changes and notify the Company well before the cut off time to increase the likelihood that the changes will be accepted.

## 8. RECONCILIATION SERVICE

**8.1 General Description.** Reconciliation service accounts for mismatches between an EGS's load schedule (with PJM approved load schedule changes) for serving its Customers and the energy that was actually used by those Customers. This service differs from Energy Imbalance Service – a related service performed exclusively by the PJM OI under the PJM

Tariff – because the latter accounts for differences between an EGS's scheduled energy obligation and the quantity of energy actually delivered by the EGS. Because at the absence of universal real-time metering, the calculation of reconciliation quantities typically must occur after the monthly reading of Customers' meters.

**8.2 Billing.** The Company and the EGS will rely on PJM to perform calculations to determine the monetary value of reconciliation quantities and to bill and/or credit EGSs and the Company for oversupplies and undersupplies at an hourly price through the PJM grid accounting system. Effective April 1, 1998, with the implementation of Locational Marginal Pricing within PJM, the oversupplies and undersupplies will be calculated at the LMP as warranted.

**8.3 The Company's Role.** The Company will assist PJM in accounting for reconciliation quantities by (1) collecting all Customer usage data; (2) determining hourly reconciliation quantities for each EGS or Scheduling Coordinator; (3) calculating monthly reconciliation quantities for each EGS or Scheduling Coordinator; and (4) submitting the reconciliation quantities to the PJM OI. The Company also shall provide all algorithms and data necessary for an EGS to independently determine the reconciliation calculations.

**8.4 Meter Data Collection.** Meter data supplied to or collected by the Company shall be utilized to calculate the quantity of energy actually consumed by an EGS's Customers for a particular reconciliation period. The meter data shall be available for use following the time of a Customer's monthly meter reading. Thus, in order to measure the energy consumed by all Customers on a particular day, at least one month is required for data collection. In general, on each day that new metered-usage data is posted, one or more days in the previous month will become "fully metered."

**8.4.1 Monthly Metered Customers.** Data from monthly metered Customers is collected in subsets corresponding to customer billing cycles (billing routes), which close on different days of the month. To reconcile energy mismatches on an hourly basis, the Company shall convert such meter data for Customers to the equivalent hourly usage. Rate class load profiles adjusted for system load values will be applied to metered usage to derive an estimate for the hour-by-hour usage.

**8.4.2 Hourly Metered Customers.** Data from hourly metered Customers will also be collected by or provided to the Company monthly on a billing route basis.

**8.5 Daily Reconciliation.** Each business day that new fully metered days are available, the Company will determine hourly reconciliation quantities for that portion of the previous month's usage corresponding to new fully metered days. This information will be made available to the EGS via the website and enable EGSs and the Company to track the day-by-day buildup toward the monthly reconciliation billing that the Company and the EGS will rely on PJM to perform.

The following calculations will be used to determine the reconciliation quantities:

**Step 1:**

Monthly-metered Customers' actual usage (the billing usage reported by or to the Company) will be spread over each hour in the usage period based on each Customer's weather-adjusted hourly usage curve using actual hourly weather data for the usage period. The monthly-metered Customer's weather-adjusted usage by hour will be multiplied by the loss factor determined by Customer rate class to determine the Customer's gross usage by hour.

Each hourly-metered Customer's hourly usage will be multiplied by a loss factor determined by Customer rate class to determine the Customer's gross usage by hour.

**Step 2:**

The gross hourly usage quantity for each Customer will be aggregated by the Company to arrive at a total gross Customer usage quantity by hour for each EGS for use in Step 3 of this Rule 8.5. For Scheduling Coordinators, this aggregation will account for usage of Coordinated Suppliers' Customers.

**Step 3:**

The hourly reconciliation quantity for each hour will be calculated by subtracting an EGS's hourly total gross Customer usage amount from the hourly load schedule submitted to PJM for that EGS, including the effect of any confirmed changes to the load schedule entered before the PJM accounting deadline.

**8.6 Monthly Reconciliation.** By the third business day after a calendar month becomes fully metered, the Company will compute and make available the complete hourly reconciliation quantities for the entire month to the Company Website.

By the third business day after a calendar month becomes fully metered, the Company will also transfer the monthly reconciliation quantity to PJM. The Company and the EGS will rely on PJM to calculate the EGS reconciliation dollar amounts for each hour. The Company and the EGS will rely on PJM to include EGS reconciliation dollar amounts in the monthly PJM bills to each EGS or Scheduling Coordinator.

## 9. UTILIZATION OF SCHEDULING COORDINATORS

**9.1 Participation Through a Scheduling Coordinator.** If an EGS chooses not to interact directly with PJM for scheduling purposes or cannot schedule directly with PJM because its schedules do not meet the "whole megawatt" requirements set by PJM for scheduling, an EGS may become a Coordinated Supplier by entering into a business arrangement with another EGS or other person that will act as a Scheduling Coordinator. A Coordinated Supplier may enter into this business arrangement with a Scheduling Coordinator(s) for an individual service such as load scheduling, or for a variety of services encompassing installed capacity, import capability, load scheduling, and reconciliation rights and responsibilities. To the extent

it is responsible for the following activities, the Scheduling Coordinator's transmission service obligation, installed capacity obligation, import capability, load scheduling and reconciliation rights and responsibilities shall include its own Customers and the Customers of its Coordinated Suppliers. All actions of the Scheduling Coordinator that relate to one of its Coordinated Suppliers are binding on, and attributable to, said Coordinated Supplier.

**9.2 Designation of a Scheduling Coordinator.** To designate a Scheduling Coordinator, an EGS must provide the Company with a completed Scheduling Coordinator Designation Form, included as a Rider hereto, fully executed by both the EGS and the Scheduling Coordinator. The Scheduling Coordinator Designation Form is not intended to supplement or replace any agency contract between an EGS and a Scheduling Coordinator.

**9.3 Change in or Termination of Scheduling Coordinator.** To change a Scheduling Coordinator, or cease using a Scheduling Coordinator, an EGS shall notify the Company in writing and said notice shall specify the effective month of the change or termination. The effective day of the change or termination shall be the first day of the month indicated in the notification letter unless notification is received by the Company less than ten business days before the first day of that month, in which case the effective day of the change shall be the first day of the subsequent month.

In the event an EGS ceases using a Scheduling Coordinator, an EGS shall immediately resume the direct performance of all EGS obligations under this Tariff.

**9.4 Load Scheduling through a Scheduling Coordinator.** Coordinated Suppliers cannot submit individual load schedules to the PJM OI, nor can Coordinated Suppliers propose scheduling changes on an individual basis. Rather, the Scheduling Coordinator is responsible for submitting all schedules and changes thereto on behalf of itself as well as its Coordinated Suppliers.

**9.5 Primary Obligations of A Coordinated Supplier.** Notwithstanding their designations of Scheduling Coordinators, each and every EGS remains primarily responsible for fully satisfying the requirements of this Tariff.

## 10. METERING DATA

**10.1 Generally.** All metering activities will be in accordance with the Competitive Metering Specifications attached as a rider to this tariff.

## 11. CONFIDENTIALITY OF INFORMATION

**11.1 Generally.** All Company information available to an EGS in connection with the provision of coordination services, including, but not limited to, rate class load profile data, and information regarding the Company, computer and communications systems shall not be disclosed to third parties without appropriate authorization and/or consent.

**11.2 Customer Information.** The EGS shall keep all Customer-specific information supplied by the Company confidential unless the EGS has the Customer's authorization to do otherwise.

## 12. PAYMENT AND BILLING

**12.1 Customer Billing by the Company or EGS.** All customer billing by either the Company or EGS shall be done in accordance with the Competitive Billing Specifications attached as a Rider to this tariff.

**12.2 EGS Payment of Obligations to the Company.** An EGS shall pay all Coordination Services Charges or any other Charge it incurs hereunder in accordance with the following provisions:

**12.2.1 Billing Procedure.** Each month, the Company shall submit an invoice to the EGS for all Coordination Services Charges provided under this Tariff. The invoice may be transmitted to the EGS by any reasonable method requested by the EGS. An EGS shall make payment for Charges incurred on or before the due date shown on the bill. The due date shall be determined by the Company and shall not be less than fifteen (15) days from the date of transmittal of the bill.

**12.2.2 Billing Corrections and Estimated Billings.** Notwithstanding anything stated herein bills shall be subject to adjustment for any errors in arithmetic, computation, meter readings, estimating or other errors for a period for six (6) months from the date of such original monthly billing.

**12.2.3 Manner of Payment.** The EGS may make payments of funds payable to the Company by wire transfer to a bank designated by the Company. The Company may require that an EGS that is not creditworthy tender payment by means of a certified, cashier's, teller's, or bank check, or by wire transfer, or other immediately available funds. If disputes arise regarding an EGS bill, the EGS must pay the undisputed portion of disputed bills under investigation.

**12.2.4 Late Fee for Unpaid Balances.** If payment is made to the Company after the due date shown on the bill, a late fee will be added to the unpaid balance until the entire bill is paid. This late fee will be 2% per month on the unpaid balance.

**12.2.5 EGS Default.** In the event the EGS fails, for any reason other than a billing dispute as described below, to make payment to the Company on or before the due date as described above, and such failure of payment is not corrected within thirty (30) calendar days after the Company notifies the EGS to cure such failure, a Default by the EGS shall be deemed to exist. In the event of a billing dispute between the Company and the EGS, the Company will continue to provide service pursuant to the Individual Coordination Agreement and the Tariff as long as the EGS continues to make all payments not in dispute. A billing

dispute shall be dealt with promptly in accordance with the dispute resolution procedures set forth below in Rule 18.

**12.3 Billing for Supplier Obligations to Other Parties.** The Company will assume no responsibility for billing between an EGS and PJM, an EGS and any energy source, or a Scheduling Coordinator and any Coordinated Suppliers.

**12.4 Guarantee of Payments.** Before the Company will render service or continue to render service, the Company may require an applicant for Coordination Service or an EGS currently receiving such service that has Bad Credit to provide a cash deposit, letter of credit, surety bond, or other guarantee, satisfactory to the Company. The Company will hold the deposit as security for the payment of final bills and compliance with the Company's Rules and Regulations. In addition, the Company may require an EGS to post a deposit at any time if the Company determines that the EGS is no longer creditworthy or has Bad Credit. An EGS shall have the right to submit to the Commission for resolution any reasonable dispute regarding such deposit, letter of credit, surety bond or other guarantee sought by the Company if the EGS believes such a requirement is inappropriately based or assessed.

**12.5 Amount of Deposits.** The deposit shall be equal to the value of Coordination Services Charges the Company projects the EGS will incur during the next two billing periods based on that EGS's forecasted load obligation.

**12.6 Return of Deposits.** Deposits secured from an EGS shall either be applied with interest to the EGS's account or returned to the EGS with interest when the EGS becomes creditworthy. In cases of discontinuance or termination of service, deposits will be returned with accrued interest upon payment of all service charges and guarantees or with deduction of unpaid accounts.

**12.7 Interest on Deposits.** The Company will allow simple interest on cash deposits calculated at the lower of the Interest Index or six (6) percent. Deposits shall cease to bear interest upon discontinuance of service (or, if earlier, when the Company closes the account).

**12.8 Credit Information.** In addition to information required otherwise hereunder, an EGS shall be required to provide to the Company such credit information as the Company requires. The Company will report to a national credit bureau the EGS's credit history with the Company.

### **13. WITHDRAWAL BY EGS FROM RETAIL SERVICE**

**13.1 Notice of Withdrawal to the Company.** An EGS shall provide electronic notice to the Company in a form specified by the Company of withdrawal by the EGS from retail service in a manner consistent with the PaPUC's rulings in Docket No. M-00960890F.0013, and any subsequent applicable PaPUC rulings.

**13.2 Notice to Customers.** An EGS shall provide notice to its Customers of withdrawal by the EGS from retail service in accordance with the PaPUC's rulings in Docket No. M-00960890F.0013 and any subsequent applicable PaPUC rulings.

**13.3 Costs for Noncompliance.** An EGS that withdraws from retail service and fails to provide at least ninety (90) days written notice of said withdrawal shall reimburse the Company for any of the following costs associated with the withdrawal:

- (a) mailings by the Company to the EGS's Customers to inform them of the withdrawal and their options;
- (b) non-standard/manual bill calculation and production performed by the Company;
- (c) EGS data transfer responsibilities that must be performed by the Company; and
- (d) charges or penalties imposed on the Company by PJM or other third parties resulting from EGS non-performance.

#### 14. EGS'S DISCONTINUANCE OF CUSTOMERS

**14.1 Notice of Discontinuance to the Company.** An EGS shall provide electronic notice to the Company in a form specified by the Company of all intended discontinuances of service to Customers in a manner consistent with applicable PaPUC rules, which apply to all Customer classes.

**14.2 Notice to Customers.** An EGS shall provide a minimum of thirty (30) days advance notice to residential customers prior to canceling generation supply service except as set forth below. An EGS may cancel generation supply service to a residential customer for theft of service, fraud or failure to pay overdue charges consistent with applicable Pa PUC orders and regulations. With respect to all other classes of Customers, it will be the EGS's responsibility to provide notice to a Customer of its intention to discontinue service in accordance with the EGS's contractual obligations with the Customer.

**14.3 Effective Date of Discontinuance.** Any discontinuance will be effective on a Meter Read Date and in accordance with the EGS switching rules in this Tariff and the EDC Tariff.

## 15. LIABILITY

**15.1 General Limitation on Liability.** The Company shall have no duty or liability with respect to electric energy before it is delivered by an EGS to a point of delivery on the Company's distribution system. After its receipt of electric energy and capacity at the point of delivery, the Company shall have the same duty and liability for distribution service to customers receiving Competitive Energy Supply as to those receiving electric energy and capacity from the Company.

**15.2 Limitation On Liability For Service Interruptions And Variations.** The Company does not guarantee continuous, regular and uninterrupted supply of service. The Company may, without liability, interrupt or limit the supply of service for the purpose of making repairs, changes, or improvements in any part of its system for the general good of the service or the safety of the public or for the purpose of preventing or limiting any actual or threatened instability or disturbance of the system. The Company is also not liable for any damages due to accident, strike, storm, riot, fire, flood, legal process, state or municipal interference, or any other cause beyond the Company's control.

**15.3 Additional Limitations On Liability In Connection With Direct Access.** Other than its duty to deliver electric energy and capacity, the Company shall have no duty or liability to an EGS providing Competitive Energy Supply arising out of or related to a contract or other relationship between an EGS and a Customer of the EGS.

The Company shall implement Customer selection of an EGS consistent with applicable rules of the Commission and shall have no liability to an EGS providing Competitive Energy Supply arising out of or related to switching EGSs, unless the Company is negligent in switching or failing to switch a customer.

**15.4 Company's Indemnification of EGS.** Subject to Rule 15.2, in the event the Company is not able to render continuous, regular, and uninterrupted supply of service due to interruption or service limitations not caused by the EGS, the Company shall hold the EGS harmless for any penalties, fines, or other costs that the Company may incur.

## 16. BREACH OF COORDINATION OBLIGATIONS

**16.1 Breach of Obligations.** The Company or an EGS shall be deemed to be in breach of its Coordination Obligations under the Individual Coordination Agreement and this Tariff upon its failure to observe any material term or condition of this Tariff, including any Rule and Regulation, Charge or Rider thereof.

**16.2 Events of Breach.** A material breach of Coordination Obligations hereunder, as described in Rule 16.1, shall include, but is not limited to, the following:

- (a) a breach of any Rule or Regulation of the Tariff;

- (b) an EGS's failure to maintain license or certification as an electric generation supplier or electricity supplier from the PaPUC;
- (c) an EGS's failure to make payment of any undisputed Coordination Services Charges in the time prescribed;
- (d) the involuntary bankruptcy/insolvency of the EGS, including but not limited to, the appointment of a receiver, liquidator or trustee of the EGS, or a decree by such a court adjudging the EGS bankrupt or insolvent or sequestering any substantial part of its property or a petition to declare bankruptcy as to reorganize the EGS; or
- (e) an EGS's filing of a voluntary petition in bankruptcy under any provision of any federal or state bankruptcy law, or its consent to the filing of any bankruptcy or reorganization petition against it under any similar law; or without limiting the generality of the foregoing, an EGS admits in writing its inability to pay its debts generally as they become due or consents to the appointment of a receiver, trustee or liquidator of it or of all or any part of its property.

**16.3 Cure and Default.** If either the Company or an EGS materially breaches any of its Coordination Obligations (hereinafter the "Breaching Party"), the other party (hereinafter the "Non-Breaching Party") shall provide the Breaching Party a written notice describing such breach in reasonable detail and demanding its cure. The Breaching Party shall be deemed to be in default ("Default") of its obligations under this Tariff and the Individual Coordination Agreement if: (i) it fails to cure its breach within thirty (30) days after its receipt of such notice; or (ii) the breach cannot be cured within such period and the Breaching Party does not commence action to cure the breach within such period and, thereafter, diligently pursues such action to completion.

**16.4 Rights Upon Default.** Notwithstanding anything stated herein, upon the occurrence of any Default, the party not in Default shall be entitled to (i) commence an action to require the party in Default to remedy such Default and specifically perform its duties and obligations hereunder in accordance with the terms and conditions hereof, and (ii) exercise such other rights and remedies as it may have in equity or at law.

## 17. TERMINATION OF INDIVIDUAL COORDINATION AGREEMENT

**17.1 Termination.** An Individual Coordination Agreement will or may be terminated as follows:

(a) **Withdrawal of the EGS from Retail Service.** In the event the EGS ceases to participate in or otherwise withdraws the provision of Competitive Energy Supply to Customers in the Company's Service Territory, the Individual Coordination Agreement between the EGS and the Company shall terminate thirty (30) days following the date on which the EGS has no more active Customers.

(b) **The Company's Termination Rights Upon Default by EGS.** In the event of a Default by the EGS, the Company may terminate the Individual Coordination Agreement between the EGS and the Company by providing written notice to the EGS in Default, without prejudice to any remedies at law or in equity available to the party not in Default by reason of the Default.

**17.2 Effect of Termination.** Termination of Individual Coordination Agreements will have the same effect on an EGS's Customers as the EGS's discontinuance of supply to such Customers described in the EDC Tariff. If a Customer of a terminated EGS has not switched to another EGS prior to termination, said Customer will receive Default PLR Service (as defined in the EDC Tariff) pending its selection of another EGS.

**17.3 Survival of Obligations.** Termination of an Individual Coordination Agreement for any reason shall not relieve the Company or an EGS of any obligation accrued or accruing prior to such termination.

## 18. ALTERNATIVE DISPUTE RESOLUTION

**18.1 Informal Resolution of Disputes.** The Company and EGS shall use good faith and commercially reasonable efforts to informally resolve all disputes arising out of the implementation of this Tariff and/or the conduct of Coordination Activities hereunder. The EGS's point of contact for all information, operations, questions, and problems regarding Coordination Activities shall be the Company's Alternative Supplier Coordination Section and the web-site.

**18.2 Internal Dispute Resolution Procedures.** Any dispute between the Company and an EGS under this Tariff or Individual Coordination Agreement shall be referred to a designated senior representative of each of the parties for resolution on an informal basis as promptly as practicable. In the event the designated representatives are unable to resolve the dispute within thirty (30) days (or such other period as the parties may agree upon) such dispute, by mutual agreement, may be referred to mediation in accordance with Section 8 of the Interim Code of Conduct in the EDC Tariff or may be submitted to arbitration and resolved in accordance with the arbitration procedures set forth below.

**18.3 External Arbitration Procedures.** If the amount in dispute is \$500,000 or less, the arbitration initiated under the Tariff or any Individual Coordination Agreement shall be conducted before a single neutral arbitrator appointed by the parties. If the parties fail to agree upon a single arbitrator within twenty (20) days of the referral of the dispute to arbitration the parties shall request the American Arbitration Association to appoint a single neutral arbitrator. If the amount in dispute exceeds \$500,000, each party shall choose one neutral arbitrator who shall sit on a three (3)-member arbitration panel. The two (2) arbitrators so chosen shall within twenty (20) days of their selection, select a third arbitrator to chair the arbitration panel. In any case, the arbitrators chosen shall be knowledgeable in electric utility matters, including electric transmission and bulk power issues, and shall not have any current or past substantial business or financial relationships with any party to the arbitration (except prior arbitration). The arbitrator(s) shall provide each of the parties an opportunity to be heard and, except as otherwise provided herein, shall generally conduct the arbitration in accordance with the then current Commercial Arbitration Rules of the American Arbitration Association.

**18.4 Arbitration Decisions.** Unless otherwise agreed, the arbitrator(s) shall render a decision within ninety (90) days of their appointment and shall notify the parties in writing of such decision and the reasons therefor. The arbitrator(s) shall be authorized only to interpret and apply the provisions of the Tariff and any Individual Coordination Agreement and shall have no power to modify or change any provisions in any manner. The decision of the arbitrator(s) shall be final and binding upon the Parties, and judgment on the award may be entered in any court of competent jurisdiction. The decision of the arbitrator(s) may be appealed solely on the grounds that the conduct of the arbitrator(s), or the decision itself, violated the standards set forth in 42 Pa. C.S.A. § 7341. The final decision of the arbitrator must also be filed with FERC and PaPUC, if it affects their respective jurisdictional rates, terms and conditions of service or facilities.

**18.5 Costs.** Each Party shall be responsible for its own costs incurred during the arbitration process and for the following costs, if applicable:

- (a) the cost of the arbitrator chosen by the party to sit on the three member panel and a proportionate share of the cost of the third arbitrator chosen; or
- (b) a proportionate share of the cost of the single arbitrator jointly chosen by the parties.

**18.6 Rights Under The Federal Power Act.** Nothing in this Section shall restrict the rights of any party to file a complaint with FERC under relevant provisions of the Federal Power Act.

**18.7 Rights Under The Pennsylvania Public Utility Code.** Nothing in this Section shall restrict the rights of any party to file a complaint with the Pa PUC under relevant provisions of the Pennsylvania Public Utility Code.

## 19. MISCELLANEOUS

**19.1 Notices.** Unless otherwise stated herein, any notice contemplated by this Tariff shall be in writing and shall be given to the other party at the addresses stated in the notice section of the Individual Coordination Agreement. If given by electronic transmission (including fax, telex, telecopy or Internet email), notice shall be deemed given on the date sent and shall be confirmed by a written copy sent by first class mail. If sent in writing by first class mail, notice shall be deemed given on the fifth business day following deposit in the United States mail (as noted by the postmark), properly addressed, with postage prepaid. If sent by same-day or overnight delivery service, notice shall be deemed given on the day of delivery. The Company and an EGS may change their representative for receiving notices contemplated by this Tariff by delivering written notice of their new representatives to the other.

**19.2 No Prejudice of Rights.** The failure by either the Company or the EGS to enforce any of the terms of this Tariff or any Individual Coordination Agreement shall not be deemed a waiver of the right of either to do so.

**19.3 Gratuities to Employees.** The Company's employees are strictly forbidden to demand or accept any personal compensation, or gifts, for service rendered by them while working for the Company on the Company's time.

### 19.4 Assignment.

**19.4.1** An Individual Coordination Agreement hereunder may not be assigned by either the Company or the EGS without (a) any necessary regulatory approval and (b) the consent of the other party, which consent shall not be unreasonably withheld.

**19.4.2** Any assignment occurring in accordance with Rule 19.4.1 hereunder shall be binding upon, and oblige and inure to the benefit of, the successors and assigns of the parties to the Individual Coordination Agreement.

**19.5 Governing Law.** To the extent not subject to the exclusive jurisdiction of FERC, the formation, validity, interpretation, execution, amendment and termination of this Tariff or any Individual Coordination Agreement shall be governed by the laws of the Commonwealth of Pennsylvania.

The Tariff or any Individual Coordination Agreement, and the performance of the parties' obligations thereunder, is subject to and contingent upon (i) present and future local, state and federal laws, and (ii) present and future regulations or orders of any local, state or federal regulating authority having jurisdiction over the matter set forth herein.

If at any time during the term of the Tariff or any Individual Coordination Agreement, the FERC, the PaPUC or a court of competent jurisdiction issues an order under which a party hereto believes that its rights, interests and/or expectations under the Agreement are materially affected by said order, the party so affected shall within thirty (30) days of said final order provide the other party with notice setting forth in reasonable detail how said order has

materially affected its rights, interests and/or expectations in the Agreement. Within thirty (30) days from the receiving party's receipt of said notice the parties agree to attempt through good faith negotiations to resolve the issue. If the parties are unable to resolve the issue within thirty (30) days from the commencement of negotiations, either party may at the close of said thirty (30) day period terminate the Agreement, subject to any applicable regulatory requirements, following an additional thirty (30) days prior written notice to the other party without any liability or responsibility whatsoever except for obligations arising prior to the date of service termination.

## CHARGES

### TECHNICAL SUPPORT AND ASSISTANCE CHARGE

#### AVAILABILITY/APPLICABILITY

Technical Support and Assistance is defined as support and assistance that may be provided by the Company to a licensed EGS in connection with questions raised, and research requests, by the EGS in support of its energy supply business. The Company is under no obligation to provide any such support and assistance, with the exception of the services described in the "Conditions" section below. Such support and assistance is categorized in three general areas:

1. Explanation of the Company's communications related to information posted to the website and /or sent via the Alternative Supplier Coordination Internet e-mail address;
2. Manual verification and confirmation of Customer account data beyond the information and messages available through the standard automated process; and
3. Explanation and definition of PP&L filings, PUC rulings and FERC orders

Such Technical Support and Assistance may include time spent by Company personnel conducting research in connection with an EGS inquiry.

#### TABLE OF CHARGES

First 10 hours ("Allowed Hours") per month per EGS:

No charge.

Any time beyond Allowed Hours:

\$53/hour

#### CONDITIONS

There will be no time recorded against an EGS's Allowed Hours in connection with inquiries covering required business interactions, specifically:

1. Normal daily forecasting and scheduling;
2. Standard automated processing of EGS data files by the Company;
3. Website availability and access; and
4. Erroneous data communicated by PP&L via the Internet address and the website.

## LOAD DATA SUPPLY CHARGE

### AVAILABILITY/APPLICABILITY

PP&L will fulfill, with Customer consent only, a request for Customer load information available on its information system once per calendar year for no charge. PP&L will provide additional or other information, with Customer consent only, but will do so only for a Charge, in accordance with the Table of Charges, below.

### TABLE OF CHARGES

An EGS must pay the charges stated below per request to which PP&L responds in the following instances:

- All available historic load information other than electronically available historic hourly load information- \$106
- Any electronically available load data if requested in a calendar year in which PP&L has already provided such data once for no charge – PP&L's actual cost, using an hourly labor rate of \$53, and based on the time spent to fulfill the request to be determined at fifteen minute intervals.

### CONDITION

No Customer-specific information will be supplied to an EGS before the Company's receipt of a Customer's written authorization to release such data to such EGS.

RIDERSINDIVIDUAL COORDINATION AGREEMENT RIDER

- 1.0 This Individual Coordination Agreement ("Agreement"), dated as of \_\_\_\_\_ is entered into, by and between PP&L, Inc. (the "Company") and \_\_\_\_\_ ("EGS").
- 2.0 The Company agrees to supply, and the EGS agrees to have the Company supply, all "Coordination Services" specified in the Electric Generation Supplier Coordination Tariff ("EGS Coordination Tariff"), including but not limited to load forecasting, load scheduling, and reconciliation services. Both Parties agree that such services are necessary to coordinate the delivery of Competitive Energy Supply to Customers located within the Company's service territory.
- 3.0 Representations and Warranties.
- (a) The EGS hereby represents, warrants and covenants as follows:
- (i) If an EGS will utilize Sections 6-9 of this tariff, the EGS is a member of the PJM and is in compliance, and will continue to comply either directly or through the EGS's Scheduling Coordinator, with all obligations, rules and regulations, as established and interpreted by the PJM OI, that are applicable to LSEs serving Customers located in the PJM Control Area; and
- (ii) The EGS is licensed by the PaPUC to provide Competitive Energy Supply to Customers in Pennsylvania and has and will continue to satisfy all other PaPUC requirements applicable to EGSs.
- (b) The Company and the EGS, individually referred to hereafter as the "Party," each represents, warrants and covenants as follows:

(i) Each Party's performance of its obligations hereunder has been duly authorized by all necessary action on the part of the Party and does not and will not conflict with or result in a breach of the Party's charter documents or bylaws or any indenture, mortgage, other agreement or instrument, or any statute or rule, regulation, order, judgment, or decree of any judicial or administrative body to which the Party is a party or by which the Party or any of its properties is bound or subject.

(ii) This Agreement is a valid and binding obligation of the Party, enforceable in accordance with its terms, except as such enforceability may be limited by applicable bankruptcy, insolvency or similar laws from time to time in effect that affect creditors' rights generally or by general principles of equity.

- 4.0 The EGS shall provide notice to the Company via facsimile, with a copy delivered pursuant to overnight mail, at such time that the EGS learns that any of the representations, warranties, or covenants in Section 3.0 of this Agreement have been violated.
- 5.0 *As consideration for Coordination Services provided by the Company, the EGS shall pay the Company those Coordination Services Charges billed to the EGS in accordance with the terms and conditions of the EGS Coordination Tariff.*
- 6.0 Coordination Services between the Company and the EGS will commence on \_\_\_\_\_.
- 7.0 Any notice or request made to or by either Party regarding this Agreement shall be made to the representative of the other Party as indicated below.

To PP&L, Inc.:

Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
Internet E-Mail: \_\_\_\_\_

To the EGS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attn: \_\_\_\_\_  
Title: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
Internet E-Mail: \_\_\_\_\_

8.0 The EGS Coordination Tariff is incorporated herein by reference and made a part hereof. All terms used in this Agreement that are not otherwise defined shall have the meaning provided in the EGS Coordination Tariff.

PP&L, Inc. \_\_\_\_\_

**IN WITNESS WHEREOF**, and intending to be legally bound thereby, PP&L and the EGS identified above have caused this Coordination Agreement to be executed by their respective authorized officials.

**PP&L, Inc.**

By: \_\_\_\_\_  
Name Title Date

\_\_\_\_\_

By: \_\_\_\_\_  
Name Title Date

**SCHEDULING COORDINATOR DESIGNATION FORM**

1.0 This Scheduling Coordinator Designation Form, dated \_\_\_\_\_, is being submitted to PP&L, Inc. ( the "Company") by the following Electric Generation Supplier ("EGS"):

\_\_\_\_\_

2.0 By submitting this form, the EGS hereby notifies the Company that it has appointed the following entity to act as its Scheduling Coordinator in accordance with Rule 9 of the Company's Electric Generation Supplier Coordination Tariff (the "EGS Coordination Tariff"):

\_\_\_\_\_

3.0. The EGS further notifies the Company that it is designating the person identified in the preceding paragraph as its Scheduling Coordinator for the specific purpose(s) (please check and/or fill in):

\_\_\_\_\_ Load Scheduling

\_\_\_\_\_ Installed Capacity Obligations

\_\_\_\_\_ Import Capability

\_\_\_\_\_ Reconciliation Rights and Responsibilities

\_\_\_\_\_ Other: \_\_\_\_\_

The Scheduling Coordinator appointed by the EGS shall be responsible for the performance of all Coordination Obligations of the EGS that are specifically delegated to said Scheduling Coordinator in this Form.

4.0. The Company may utilize the Scheduling Coordinator as the sole point of contact with the EGS in connection with the Company's provision of Coordination

Services if requested to do so by the EGS.

- 5.0 The EGS agrees that the Company may bill the Scheduling Coordinator directly for all Coordination Services Charges attributable to the EGS and that the Scheduling Coordinator will pay the Company such charges on behalf of the EGS in accordance with the terms and conditions in the EGS Coordination Tariff.
- 6.0 The EGS and its appointed Scheduling Coordinator shall comply with all terms and conditions of the EGS Coordination Tariff, including those pertaining to Scheduling Coordinators and to payment and billing.
- 7.0 All inquiries, communications or notices relating to the EGS's use of the Scheduling Coordinator designated above may be directed to the following representatives:

To the EGS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attn: \_\_\_\_\_  
Title: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
Internet email: \_\_\_\_\_

To the Scheduling Coordinator:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attn: \_\_\_\_\_  
Title: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_

Internet email: \_\_\_\_\_

8.0 The EGS Coordination Tariff is incorporated herein by reference and made a part hereof. All capitalized terms used, but not defined, in this designation form shall have the meaning stated in the EGS Coordination Tariff.

9.0 The EGS has executed this designation form below by its duly authorized representative as follows:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

10.0 The EGS has obtained the following Acknowledgment and Consent to this designation, which is executed below by the duly authorized representative of the Scheduling Coordinator:

**Acknowledgment and Consent**

Intending to be legally bound thereby, the duly authorized representative of above-designated Scheduling Coordinator has executed this document below to acknowledge and consent to its appointment as a Scheduling Coordinator, and to further state its agreement to abide by the terms and conditions of its designation set forth above in the Scheduling Coordinator Designation Form prepared by the EGS, including the terms and conditions of the EGS Coordination Tariff which is incorporated therein by reference.

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

Competitive Safeguards Covering  
Transactions between PP&L EDC  
or PP&L-Supplier with PP&L  
Affiliated Generation Company ("GENCO")

In addition to any other Code of Conduct that might apply, the following Competitive Safeguards shall apply to transactions by PP&L in its electric distribution company provider of last resort role ("PP&L-EDC"), or by any divisional and/or affiliated EGS, in Pennsylvania from any PP&L-affiliated entity to the entity ("PP&L-GENCO") that assets have been transferred pursuant to this Settlement (See Section K).

1. Neither PP&L-EDC nor PP&L-Supplier shall receive from the PP&L-GENCO an unreasonable preference over a non-affiliated EGS or treatment that is not comparable to that afforded a non-affiliated EGS in the purchase, sale, use or conveyance of goods and services, including energy, installed capacity, generation related ancillary services, firm transmission rights, capacity benefit margins or any other generation and transmission product, service or asset.

2. The PP&L-EDC and the PP&L-Supplier shall receive tariffed generation or transmission from the PP&L-GENCO, to the extent the PP&L-GENCO provides tariffed services, in a manner that is comparable or otherwise is not anti-competitive when compared to how the same tariff services are provided to non-affiliated EGSs.

3. No transaction between a PP&L-EDC or PP&L-Supplier and PP&L-GENCO shall involve an anti-competitive cross subsidy and all such transactions shall comply with applicable law.

4. PP&L-GENCO shall not offer retail generation services to retail electric customers in the PP&L service territory before January 1, 2004.

5. If PP&L-GENCO is authorized after January 1, 2004 by the PUC to provide retail generation services, PP&L-GENCO shall not engage in anti-competitive or discriminatory conduct which prevents retail electricity customers in this Commonwealth from obtaining the benefits of a properly functioning and workable competitive retail electricity market.

6. PP&L-EDC and PP&L-Supplier will file monthly with the Commission complete information about price, terms, and conditions concerning transactions involving PP&L-GENCO that are covered by these provisions. The Commission's standard rules governing proprietary information shall apply.

7. PP&L-EDC shall establish and file with the Commission a dispute resolution procedure to address complaints alleging violation of the provisions. The Commission shall finally adjudicate within 60 days any complaint filed with the PUC concerning these provisions. *The PP&L-EDC internal dispute resolution procedure will not extend*

the 60 day period in which disputes shall be resolved.

8. This agreement does not confer jurisdiction on the Commission that does not otherwise exist under applicable law, and any Order issued finding a violation of these provisions shall be directed to PP&L-EDC or PP&L-Supplier, unless PP&L-GENCO is providing retail generation services in the Commonwealth of Pennsylvania.

9. With the exception of paragraph 4, imposition of these provisions does not constitute state action for antitrust purposes.

10. With the exception of paragraph 4, these provisions will remain in effect until the expiration of the CTC collection period or until appropriate and applicable competitive safeguards or Code of Conduct are adopted by the Federal Energy Regulatory Commission ("FERC"), whichever occurs first. All signatories may fully participate in FERC proceeding concerning competitive safeguards or Code of Conduct for PP&L-GENCO, though no signatory may oppose the transfer of assets authorized by Section K.

INTERIM CODE OF CONDUCT

This Code of Conduct will become effective immediately upon approval  
by the Commission

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The Company and its divisional and/or affiliated EGSs ("PP&L Supplier") shall comply with the following Interim Code of Conduct:

1. The Company, in its role as the Electric Distribution Company ("PP&L EDC"), shall not give a PP&L Supplier preference over a non-affiliate in the provision of goods and services such as processing requests for information, complaint processing and responses to service interruptions. PP&L EDC shall provide comparable treatment without regard to the customer's chosen EGS.
2. PP&L EDC shall supply services and apply the rules and other provisions of its Tariffs to non-affiliates in the same manner it applies them to a PP&L Supplier.
3. PP&L EDC shall not sell non-power goods or services to a PP&L Supplier at a price below the cost or market price, whichever is higher, for said goods or services. PP&L EDC will not purchase non-power goods or services from a PP&L Supplier at a price above the market price for said goods or services. No transaction between PP&L EDC and a PP&L Supplier shall involve an anti-competitive cross subsidy and all such transactions shall comply with applicable law.
4. PP&L EDC shall simultaneously make available to all EGSs any market information, not in the public domain, that it provides to a PP&L Supplier.
5. Employees of PP&L EDC who have responsibility for operating the distribution system, such as receiving requests for power, purchasing power, scheduling delivery, or billing and metering, shall not be shared with a PP&L Supplier, and their offices shall be physically separated from the office(s) used by those working for the PP&L Supplier. Such employees of PP&L EDC may transfer to a PP&L Supplier provided such transfer is not used as a means to circumvent this Interim Code of Conduct. Any PP&L Supplier shall have its own direct line management. Any shared facilities shall be fully and transparently allocated between the PP&L EDC function and the PP&L Supplier function. PP&L EDC accounts and records shall be maintained such that the costs a PP&L Supplier incurs may be clearly identified.
6. PP&L EDC shall not condition the provision of any PaPUC jurisdictional regulated services on the purchase of power from a PP&L Supplier.

7. (a) Neither PP&L EDC nor a PP&L Supplier may directly or by implication falsely and unfairly represent:

- that the PaPUC jurisdictional regulated services provided by PP&L EDC are of a superior quality when power is purchased from a PP&L Supplier; or
- that the merchant services (for power) are being provided by PP&L EDC rather than a PP&L Supplier;
- that the power purchased from an EGS that is not a PP&L Supplier may not be reliably delivered;
- that power must be purchased from a PP&L Supplier to receive PP&L EDC PaPUC jurisdictional regulated services.

(b) PP&L EDC shall not jointly market or jointly package its PaPUC jurisdictional, regulated services with the services of a PP&L Supplier. This prohibition includes prohibiting PP&L EDC from including bill inserts in its EDC bills promoting a PP&L Supplier's services, and further precludes a reference or link from PP&L EDC's website to any PP&L Supplier.

(c) When a PP&L Supplier markets or communicates to the public using the PP&L EDC name or logo it shall include a disclaimer that states: (1) that the PP&L Supplier is not the same company as the PP&L EDC; (2) that the prices of the PP&L Supplier are not regulated by the PaPUC; and (3) that a Customer does not have to buy electricity or other products from the PP&L Supplier in order to receive the same quality service from PP&L EDC. When a PP&L Supplier advertises or communicates verbally through radio or television to the public using the PP&L EDC name or logo, PP&L Supplier shall include at the conclusion of any such communication a disclaimer that includes all of the disclaimers listed in this paragraph.

8. *Violations of this Code of Conduct shall result in PaPUC-ordered fines at the levels determined to be appropriate by the PaPUC. Any such PaPUC action would not preclude or limit additional private remedies or civil action.*

9. **Dispute Resolution Procedures:**

- Regarding any dispute between PP&L EDC, and/or a PP&L Supplier, and an EGS (each individually referred to as "Party" and collectively referred to as "Parties") alleging a violation of any of these Code of Conduct provisions, the EGS must provide PP&L EDC and/or PP&L Supplier, as applicable, a written Notice of Dispute that includes the names of the Parties and customer(s), if any, involved and a brief description of the matters in dispute.
- Within five (5) days of PP&L EDC's and/or PP&L Supplier's receipt of a Notice of Dispute, a designated senior representative of each of the Parties shall attempt

to resolve the dispute on an informal basis.

- In the event the designated representatives are unable to resolve the dispute by mutual agreement within thirty (30) days of said referral, the dispute shall be referred for mediation through the Commission's Office Of Administrative law Judge. A party may request mediation prior to that time if it appears that informal resolution is not productive.
  - If mediation is not successful, then the matter shall be converted to a formal proceeding before a Commission Administrative Law Judge.
  - Any Party may file a complaint concerning the dispute with the Commission under relevant provisions of the Public Utility Code.
10. PP&L EDC shall file a compliance filing within 60 days of execution of any settlement which sets forth a detailed plan for compliance with this Code of Conduct as well as the PUC separation and cost allocation requirements already ordered.

**PENNSYLVANIA  
PUBLIC UTILITY COMMISSION**

IN THE MATTER OF THE APPLICATION OF: \_\_\_\_\_

License Application for [PP&L EGS Corporation] to begin to offer, render, furnish, or supply electric generation supplier services to the public within the Commonwealth of Pennsylvania.

The Pennsylvania Public Utility Commission hereby certifies that after an investigation and/or hearing, it has, by its report and order made and entered, found and determined that the granting of the application is necessary or proper for the service, accommodation, convenience and safety of the public and hereby issues, evidencing the Commission's approval, to the applicant this;

**INTERIM LICENSE FOR ELECTRIC GENERATION SUPPLIER.**

In Witness Whereof, the PENNSYLVANIA PUBLIC UTILITY COMMISSION has caused these presents to be signed and sealed, and duly attested by its Secretary at its office in the city of Harrisburg this \_\_\_th day of \_\_\_\_\_ 1998.

Secretary

PP&L GENERATION  
ASSET AND LIABILITY ACCOUNTS FOR TRANSFER

<u>DESCRIPTION</u>		<u>FERC</u>
Net Plant and CWIP	Fossil, nuclear, hydro & other generating facilities, net of accumulated depreciation including allocated common and general plant	101-111
Non-utility Plant	Land associated with generating facilities	121-122
Nuclear Fuel	Fuel assemblies from processed ore to spent fuel	120
Other Investments	Emission allowances	124
Decommissioning Funds	Nuclear decommissioning trust assets	128
Working Funds	Funds deposited for operation of jointly owned generating facilities	135
Accounts Receivables	Wholesale power receivable	143
Inventory	Fossil fuels, natural gas and generating material and operating supplies	151-163
Prepayments	Prepaid insurance and property taxes for generating plant	165
Preliminary Survey	Preliminary engineering costs on proposed generating construction projects	183
Misc Deferred Debits	Misc. generating property items not classified as plant	186
Accrued Deferred Income Taxes	Net accrued deferred income tax liabilities for generating plant	190,255,281,282,283
Debt	Debt incurred to acquire equipment	221-226
Obligations Under Cap Lease-NC	Non-current portion of nuclear fuel lease and other equipment leases	227
Accrued Provision for Pension & Benefits	Non-pension post retirement benefit obligation (generation portion)	228.3
Accrued Misc Operating Provisions	DOE enrichment facility decommissioning obligation	228.4
Accounts Payable	Amounts owned for currently payable invoices (generation portion)	232
Taxes Accrued	Current amounts due for income taxes (generation portion)	236
Interest Accrued	Interest incurred but not paid on debt to acquire equipment (generation plant)	237
Tax Collections Payable	Withholding taxes, sales and use taxes, etc (generation portion)	241
Misc Current & Accrued Liabilities	Current generation obligations which have not been invoiced	242
Obligations Under Cap Lease-Current	Current portion of nuclear fuel lease and other equipment leases	243
Misc Deferred Credits	Non-current obligations including environmental accruals, retirement plan, decommissioning costs, etc.	253
Emission Allowances	Deferred gains on sales of emission allowances and GE settlement credits	254

PP&L, Inc.  
Wholly-Owned and Jointly-Owned  
Generating Facilities

Fossil

Brunner Island SES  
Montour SES  
Sunbury SES  
Martins Creek SES  
Holtwood SES  
Keystone SES  
Conemaugh SES

Nuclear

Susquehanna SES

Hydro

Holtwood HES  
Wallenpaupack HES

Other

Combustion Turbines:

Allentown	West Shore
Harrisburg	Fishback
Harwood	Jenkins
Williamsport	Lock Haven

Diesels:

Brunner Island  
Martins Creek  
Sunbury  
Keystone  
Conemaugh

**ORIGINAL**

**RECEIVED**

AUG 12 1998

PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

PP&L, Inc. — Restructuring Plan  
Joint Petition for Settlement  
Docket No. R-00973954

**APPENDIX K**

**VOLUME #2**

**DOCKETED**  
AUG 13 1998

**DOCUMENT  
FOLDER**

**ORIGINAL**

**RECEIVED**

**PP&L, INC. RESTRUCTURING PLAN**

**DOCKET NO. R-00973954**

**APPENDICES TO JOINT PETITION FOR SETTLEMENT**

**AUG 12 1998**

**PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU**

**Appendix**

**Description**

- A Summary of PP&L, Inc. System Average Unbundled Rates and CTC Revenues
- B PP&L, Inc. General Tariffs
  - Supplement No. 76 to Electric Pa.P.U.C. No. 200
  - Supplement No. 2 to Electric Pa.P.U.C. No. 201
- C PECO Energy Company Rules for Competitive Metering and Billing
- D PP&L, Inc. Rate Credits for Competitive Metering and Billing
- E Application of PP&L, Inc. for Issuance of a Qualified Rate Order
- F PP&L, Inc. Electric Generation Supplier Coordination Tariff
- G PP&L, Inc. Generation Company Code of Conduct
- H PP&L, Inc. Interim Code of Conduct
- I Form of Interim EGS License
- J PP&L, Inc. Generation Asset and Liability Accounts for Transfer
- K PP&L, Inc. Proofs of Revenues (1999-2009)

**DOCKETED**

**AUG 13 1998**

**DOCUMENT  
FOLDER**

**Summary Proof of Revenues  
and Supporting Calculations for the  
12-Month Period Ended December 31, 1999**

**Summary of Proofs of Revenue**  
**PP&L, Inc.**  
**12 Month Period Ended December 31, 1999**

Line Number	Rate Schedule	Sales (KWH)	Present Base Rate Revenues	Economic Development Initiatives	State Tax Adjustment Surcharge	Total Present Rate Revenues
1	RS	11,839,053,428	\$998,320,483		\$0	\$998,320,483
2	RTS	432,888,874	\$23,541,135		\$0	\$23,541,135
3	RTD	5,411,288	\$430,808		\$0	\$430,808
4	GS-1	1,558,422,912	\$171,308,587		\$0	\$171,308,587
5	GS-3	7,781,839,458	\$804,087,024	(\$3,753,278)	\$0	\$800,343,746
6	LP4	4,471,321,372	\$288,314,837	(\$13,412,576)	\$0	\$284,902,361
7	ISP	448,755,438	\$21,924,240		\$0	\$21,924,240
8	LP5	2,851,475,957	\$158,424,806	(\$11,378,183)	\$0	\$145,048,643
9	IST	2,327,705,181	\$84,558,938		\$0	\$84,558,938
10	LP6	578,039,511	\$31,385,501		\$0	\$31,385,501
11	LPEP	87,988,000	\$4,684,483		\$0	\$4,684,483
12	ISM	550,689,000	\$13,720,404	(\$200,388)	\$0	\$13,520,038
13	IS1	4,821,917	\$234,087		\$0	\$234,087
14	BL	4,751,439	\$445,127		\$0	\$445,127
15	SA	27,512,532	\$4,588,725		\$0	\$4,588,725
16	SM	7,244,471	\$1,288,398		\$0	\$1,288,398
17	SHS	82,980,150	\$17,049,422		\$0	\$17,049,422
18	SE	10,952,444	\$457,059		\$0	\$457,059
19	TS	515,398	\$59,508		\$0	\$59,508
20	SI-1	194,065	\$39,040		\$0	\$39,040
21	GH-1	398,577,858	\$33,184,980		\$0	\$33,184,980
22	GH-2	87,190,577	\$7,178,816		\$0	\$7,178,816
23	Standby	11,572,304	\$1,113,259		\$0	\$1,113,259
24	PR-1	**				
25	PR-2	**				
<b>PP&amp;L Totals</b>		<b>33,108,701,350</b>	<b>\$2,484,325,554</b>	<b>(\$28,742,383)</b>	<b>\$0</b>	<b>\$2,455,583,171</b>

\*\* Customer Base Line KWH usage is included under Rate Schedules LP-4, LP-5, IS-P, or IS-T, as appropriate.

**Summary of Proofs of Revenue**  
**PP&L, Inc.**  
**12 Month Period Ended December 31, 1999**

Line Number	Rate Schedule	Sales (KWH)	Energy and Capacity Revenues (Shopping Credit)	Transmission Revenues	Distribution Revenues	Sustainable Energy Fund	Adjusted Distribution Revenues	Competitive Transition Charge with GRT	Proposed Base Rate Revenues	State Tax Adjustment Surcharge	Proposed Total Rate Revenues	Rate Change	Percent
1	RS	11,839,053,426	\$451,285,946	\$43,879,232	\$271,593,074	\$1,163,905	\$272,758,979	\$191,689,247	\$958,427,499	\$0	\$958,427,499	(\$39,882,884)	-4.00%
2	RTS	432,888,674	\$14,328,558	\$515,138	\$3,276,433	\$43,289	\$3,319,722	\$4,479,360	\$22,599,489	\$0	\$22,599,489	(\$841,645)	-4.00%
3	RTD	5,411,268	\$180,750	\$20,400	\$123,094	\$541	\$123,635	\$89,131	\$413,375	\$0	\$413,375	(\$17,233)	-4.00%
4	GS-1	1,559,422,912	\$72,855,259	\$9,044,653	\$48,068,558	\$155,942	\$48,224,500	\$34,682,281	\$184,450,731	\$0	\$184,450,731	(\$8,857,888)	-4.00%
5	GS-3	7,781,839,458	\$335,090,839	\$35,858,774	\$73,772,455	\$778,164	\$74,548,819	\$131,810,598	\$576,332,664	\$0	\$576,332,664	(\$24,011,084)	-4.00%
6	LP4	4,471,321,372	\$170,967,248	\$18,858,881	\$17,578,387	\$447,132	\$18,025,499	\$88,110,272	\$273,512,766	\$0	\$273,512,766	(\$11,389,595)	-4.00%
7	ISP	448,755,438	\$13,252,252	\$1,620,007	\$1,794,989	\$44,878	\$1,839,865	\$4,380,134	\$21,047,382	\$0	\$21,047,382	(\$878,858)	-4.00%
8	LP5	2,851,475,957	\$91,918,375	\$8,080,487	\$1,337,441	\$285,148	\$1,602,588	\$37,928,029	\$139,242,332	\$0	\$139,242,332	(\$5,808,311)	-4.00%
9	IST	2,327,705,181	\$80,209,942	\$8,309,907	\$2,028,255	\$232,771	\$2,261,028	\$20,228,874	\$90,778,978	\$0	\$90,778,978	(\$3,779,958)	-4.00%
10	LP8	578,039,511	\$19,835,714	\$1,751,180	\$304,881	\$57,804	\$362,485	\$8,239,719	\$30,131,474	\$0	\$30,131,474	(\$1,254,027)	-4.00%
11	LPEP	67,988,000	\$1,808,727	\$218,235	\$125,713	\$8,789	\$132,512	\$2,344,433	\$4,497,108	\$0	\$4,497,108	(\$187,375)	-4.00%
12	ISM	550,889,000	\$8,098,279	\$732,153	\$555,015	\$32,398	\$587,411	\$3,598,154	\$12,879,801	\$0	\$12,879,801	(\$540,435)	-4.00%
13	IS1	4,821,917	\$75,862	\$22,277	\$44,813	\$482	\$45,295	\$81,751	\$224,703	\$0	\$224,703	(\$9,364)	-4.00%
14	BL	4,751,439	\$122,159	\$27,558	\$171,872	\$475	\$172,347	\$105,720	\$427,309	\$0	\$427,309	(\$17,818)	-4.00%
15	SA	27,512,532	\$538,532	\$86,882	\$3,401,723	\$2,751	\$3,404,474	\$379,917	\$4,405,054	\$0	\$4,405,054	(\$183,871)	-4.00%
16	SM	7,244,471	\$158,781	\$22,888	\$955,154	\$724	\$955,878	\$100,053	\$1,238,853	\$0	\$1,238,853	(\$51,545)	-4.00%
17	SHS	62,980,150	\$2,859,295	\$199,083	\$12,839,420	\$8,298	\$12,847,718	\$889,783	\$18,367,581	\$0	\$18,367,581	(\$881,862)	-4.00%
18	SE	10,952,444	\$482	\$34,610	\$338,849	\$1,095	\$339,944	\$84,835	\$438,776	\$0	\$438,776	(\$18,283)	-4.00%
19	TS	515,386	\$18,294	\$1,631	\$32,087	\$52	\$32,139	\$7,116	\$57,129	\$0	\$57,129	(\$2,379)	-4.00%
20	SI-1	194,065	\$5,240	\$814	\$28,943	\$19	\$28,962	\$2,681	\$37,478	\$0	\$37,478	(\$1,581)	-4.00%
21	GH-1	398,577,858	\$14,854,537	\$1,845,415	\$5,890,921	\$39,858	\$5,930,779	\$9,446,741	\$31,837,814	\$0	\$31,837,814	(\$1,327,368)	-4.00%
22	GH-2	87,190,577	\$3,198,268	\$403,692	\$1,221,219	\$8,719	\$1,229,938	\$2,088,376	\$6,889,555	\$0	\$6,889,555	(\$287,261)	-4.00%
23	Standby	11,572,304	\$638,002	\$35,180	\$30,804	\$1,157	\$32,061	\$384,643	\$1,068,729	\$0	\$1,068,729	(\$44,530)	-4.00%
24	PR-1	**											
25	PR-2	**											
		<b>33,108,701,350</b>	<b>\$1,261,673,320</b>	<b>\$129,546,853</b>	<b>\$445,314,180</b>	<b>\$3,288,197</b>	<b>\$448,602,377</b>	<b>\$520,867,807</b>	<b>\$2,357,402,159</b>	<b>\$0</b>	<b>\$2,357,402,159</b>	<b>(\$98,181,011)</b>	<b>-4.00%</b>

\*\* Customer Base Line KWH usage is included under Rate Schedules LP-4, LP-5, IS-P, or IS-T, as appropriate.

PP&L, Inc.  
Rate Schedule RS  
Residential Service  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Total Bills	13,337,538	\$6.47	\$86,293,871
<b>KWH BLOCKS</b>			
First 200 KWH	2,468,108,629	\$0.08845	\$218,304,208
Next 600 KWH	4,861,770,271	\$0.07847	\$381,503,113
Excess KWH	4,302,650,225	\$0.07248	\$311,856,088
Subtotal	11,632,529,125		\$911,663,409
RWO			\$211,225
RW1			\$151,978
Total Rate Revenue			\$998,320,483
<b>PROPOSED RATE</b>			
	Units	Rate	Rate Revenue
Transmission - All KWH	11,632,529,125	\$0.00377	\$43,854,635
<b>Distribution</b>			
Monthly Distribution Charge	13,337,538	\$6.47	\$86,293,871
First 200 KWH	2,468,108,629	\$0.01796	\$44,327,231
Next 600 KWH	4,861,770,271	\$0.01594	\$77,496,618
Excess	4,302,650,225	\$0.01472	\$63,335,011
Subtotal			\$271,452,731
<b>Energy &amp; Capacity Charge</b>			
First 200 KWH	2,468,108,629	\$0.04422	\$109,139,764
Next 600 KWH	4,861,770,271	\$0.03884	\$188,831,157
Excess	4,302,650,225	\$0.03561	\$153,217,375
Subtotal	11,632,529,125		\$451,188,296
<b>Competitive Transition Charge</b>			
First 200 KWH	2,468,108,629	\$0.01859	\$45,882,139
Next 600 KWH	4,861,770,271	\$0.01649	\$80,170,592
Excess KWH	4,302,650,225	\$0.01523	\$65,529,363
Subtotal	11,632,529,125		\$191,582,094
RWO			\$207,891
RW1			\$141,852
Total Rate Revenue			\$958,427,499

PP&L, Inc.  
 RS with Off-Peak Water Heating-Single Meter (RW1)  
 Residential Service  
 Calculation of Effect of Proposed Rate  
 For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Total Bills	1,229	\$12.47	\$15,326
<b>KWH BLOCKS</b>			
First 200 KWH	245,727	\$0.08845	\$21,735
Next 400 KWH	479,833	\$0.04654	\$22,331
Next 600 KWH	559,075	\$0.07847	\$43,871
Excess KWH	672,123	\$0.07248	\$48,715
Subtotal	1,956,758		\$136,652
Total Rate Revenue			\$151,978
<b>PROPOSED RATE</b>			
	Units	Rate	Rate Revenue
Transmission - All KWH	1,956,758	\$0.00377	\$7,377
<b>Distribution</b>			
Total Bills - Delivery	1,229	\$12.47	\$15,326
First 200 KWH	245,727	\$0.01796	\$4,413
Next 400 KWH	479,833	\$0.01592	\$7,639
Next 600 KWH	559,075	\$0.01594	\$8,912
Excess KWH	672,123	\$0.01472	\$9,894
Subtotal			\$46,184
<b>Energy &amp; Capacity</b>			
First 200 KWH	245,727	\$0.04077	\$10,018
Next 400 KWH	479,833	\$0.00888	\$4,261
Next 600 KWH	559,075	\$0.03581	\$20,020
Excess KWH	672,123	\$0.03283	\$22,066
Subtotal	1,956,758		\$56,365
<b>Competitive Transition Charge</b>			
First 200 KWH	245,727	\$0.01859	\$4,568
Next 400 KWH	479,833	\$0.01647	\$7,903
Next 600 KWH	559,075	\$0.01649	\$9,219
Excess KWH	672,123	\$0.01523	\$10,236
Subtotal	1,956,758		\$31,926
Total Rate Revenue			\$141,852

PP&L, Inc.  
Rate Schedule RS  
RS with Off-Peak Water Heating-Separate Meter (RWO)  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<u>MONTHLY</u>			
Total Bills	3,574	\$6.00	\$21,444
<u>KWH BLOCKS</u>			
All KWH	4,567,543	\$0.04155	\$189,781
Total Rate Revenue			<u>\$211,225</u>
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	4,567,543	\$0.00377	\$17,220
<u>Distribution</u>			
Monthly Distribution Charge	3,574	\$6.00	\$21,444
All KWH	4,567,543	\$0.01592	<u>\$72,715</u>
Subtotal			\$94,159
<u>Energy &amp; Capacity</u>			
All KWH	4,567,543	\$0.00466	\$21,285
<u>Competitive Transition Charge</u>			
All KWH	4,567,543	\$0.01647	\$75,227
Total Rate Revenue			<u>\$207,891</u>

PP&L, Inc.  
Rate Schedule RTS  
Residential Service - Thermal Storage  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Total Bills	175,678	\$14.97	\$2,629,900
<b>BILLING KW BLOCKS</b>			
First 2 on-peak KW	342,006	\$0.00	\$0
Excess on-peak KW	729,426	\$5.79	\$4,223,377
Subtotal	1,071,432		\$4,223,377
<b>KWH BLOCKS</b>			
All KWH	432,888,674	\$0.03855	\$16,687,858
Total Rate Revenue			\$23,541,135
<b>PROPOSED RATE</b>			
<b>Transmission - All KWH</b>			
	432,888,674	\$0.00119	\$515,138
<b>Distribution</b>			
Total Bills - Delivery	175,678	\$14.97	\$2,629,900
First 2 on-peak KW	342,006	\$0.00	\$0
Excess on-peak KW	729,426	\$0.89	\$646,534
Subtotal			\$3,276,433
<b>Energy &amp; Capacity</b>			
First 2 on-peak KW	0	\$0.00	\$0
Excess on-peak KW	729,426	\$4.60	\$3,356,275
All KWH	432,888,674	\$0.02535	\$10,972,283
Subtotal			\$14,328,558
<b>Competitive Transition Charge</b>			
All KWH	432,888,674	\$0.01035	\$4,479,360
Total Rate Revenue			\$22,599,489

PP&L, Inc.  
Rate Schedule RTD  
Residential Service - Time-of-Day  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Total Bills	3,689	\$12.47	\$46,002
<b>KWH BLOCKS</b>			
On-peak KWH	1,133,906	\$0.15231	\$172,705
Off-peak KWH	4,277,362	\$0.04954	\$211,901
Subtotal	5,411,268		\$384,606
Total Rate Revenue			\$430,608
<b>PROPOSED RATE</b>			
<b>Transmission</b>			
All KWH	5,411,268	\$0.00377	\$20,400
<b>Distribution</b>			
Total Bills	3,689	\$12.47	\$46,002
On-peak KWH	1,133,906	\$0.03053	\$34,618
Off-peak KWH	4,277,362	\$0.00993	\$42,474
Subtotal	5,411,268		\$123,094
<b>Energy &amp; Capacity</b>			
On-peak KWH	1,133,906	\$0.07551	\$85,621
Off-peak KWH	4,277,362	\$0.02224	\$95,129
Subtotal	5,411,268		\$180,750
<b>Competitive Transition Charge</b>			
On-peak KWH	1,133,906	\$0.03530	\$40,027
Off-peak KWH	4,277,362	\$0.01148	\$49,104
Subtotal			\$89,131
Total Rate Revenue			\$413,375

PP&L, Inc.  
Rate Schedule GS-1  
Small General Service at Secondary Voltage  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Total Bills	1,506,309	\$7.48	\$11,267,191
<b>BILLING KW BLOCKS</b>			
First 5 KW	7,792,214	\$0.00	\$0
Excess KW	4,686,388	\$1.86	\$8,716,682
Subtotal	12,478,602		\$8,716,682
<b>KWH BLOCKS</b>			
First 150 KWH/KW	1,120,721,671	\$0.10436	\$116,958,514
Excess KWH	414,794,881	\$0.07841	\$32,524,067
Subtotal	1,535,516,552		\$149,482,581
T. O. D. Metering	10,375	\$14.97	\$155,314
G1V			\$1,450,175
G1C			\$236,654
Total Rate Revenue			\$171,308,597
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	1,535,516,552	\$0.00580	\$8,905,996
<b>Distribution</b>			
Total Bills	1,506,309	\$7.48000	\$11,267,191
First 5 KW	7,792,214	\$0.00000	\$0
Excess KW	4,686,388	\$1.86000	\$8,716,682
First 150 Hours	1,120,721,671	\$0.01913	\$21,439,406
Excess KWH	414,794,881	\$0.01437	\$5,960,602
Subtotal			\$47,383,881
<b>Energy and Capacity</b>			
First 150 Hours	1,120,721,671	\$0.05065	\$56,764,553
Excess KWH	414,794,881	\$0.03674	\$15,239,564
Subtotal			\$72,004,117
<b>Competitive Transition Charge</b>			
First 150 Hours	1,120,721,671	\$0.02400	\$26,897,320
Excess KWH	414,794,881	\$0.01803	\$7,478,752
Subtotal			\$34,376,072
T. O. D. Metering	10,375	\$14.97000	\$155,314
G1V			\$1,388,696
G1C			\$236,655
Total Rate Revenue			\$164,450,731

PP&L, Inc.  
Rate Schedule GS-1  
Volunteer Fire Co./Sr. Citizens Centers (G1V)  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Total Bills	7,922	\$6.47	\$51,255
<b>KWH BLOCKS</b>			
First 200 KWH	1,454,378	\$0.08845	\$128,640
Next 600 KWH	3,890,143	\$0.07847	\$305,260
Excess KWH	13,314,290	\$0.07248	\$965,020
Subtotal	18,658,811		\$1,398,920
Total Rate Revenue			\$1,450,175
<b>PROPOSED RATE</b>			
Transmission - All KWH	18,658,811	\$0.00580	\$108,221
<b>Distribution</b>			
Total Bills	7,922	\$6.47000	\$51,255
First 200 KWH	1,454,378	\$0.01796	\$26,121
Next 600 KWH	3,890,143	\$0.01594	\$62,009
Excess KWH	13,314,290	\$0.01472	\$195,986
Subtotal			\$335,371
<b>Energy &amp; Capacity</b>			
First 200 KWH	1,454,378	\$0.04213	\$61,273
Next 600 KWH	3,890,143	\$0.03677	\$143,041
Excess KWH	13,314,290	\$0.03356	\$446,828
Subtotal	18,658,811		\$651,142
<b>COMPETITIVE TRANSITION CHARGE</b>			
First 200 KWH	1,454,378	\$0.01859	\$27,037
Next 600 KWH	3,890,143	\$0.01649	\$64,148
Excess KWH	13,314,290	\$0.01523	\$202,777
Subtotal	18,658,811		\$293,962
Total Rate Revenue			\$1,388,696

PP&L, Inc.  
Rate Schedule GS-1  
Off-Peak Space Conditioning and Water Heating (GIC)  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<u>BILLING KW BLOCKS</u>			
Excess KW	1,003	\$17.96	\$18,014
<u>KWH BLOCKS</u>			
All KWH	5,247,549	\$0.03851	\$202,083
T. O. D. Metering	1,106	\$14.97	\$16,557
Total Rate Revenue			<u>\$236,654</u>
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	5,247,549	\$0.00580	\$30,436
<u>Distribution</u>			
Excess KW	1,003	\$17.96000	\$18,014
All KWH	5,247,549	\$0.03038	\$159,421
Subtotal			<u>\$177,435</u>
<u>Energy &amp; Capacity</u>			
All KWH	5,247,549	\$0.00000	\$0
<u>Competitive Transition Charge</u>			
All KWH	5,247,549	\$0.00233	\$12,227
T. O. D. Metering	1,106	\$14.97	\$16,557
Total Rate Revenue			<u>\$236,655</u>

PP&L, Inc.  
Rate Schedule GS-3  
Volunteer Fire Co./Sr. Citizens Centers (G3V)  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Total Bills	468	\$6.47	\$3,028
<b>KWH BLOCKS</b>			
First 200 KWH	100,131	\$0.08845	\$8,857
Next 600 KWH	292,337	\$0.07847	\$22,940
Excess KWH	3,340,219	\$0.07248	\$242,099
Subtotal	3,732,687		\$273,896
Total Rate Revenue			\$276,924
<b>PROPOSED RATE</b>			
	Units	Rate	Rate Revenue
Transmission - All KWH	3,732,687	\$0.00462	\$17,245
<b>Distribution</b>			
Total Bills	468	\$6.47000	\$3,028
First 200 KWH	100,131	\$0.01796	\$1,798
Next 600 KWH	292,337	\$0.01594	\$4,660
Excess KWH	3,340,219	\$0.01472	\$49,168
Subtotal			\$58,654
<b>Energy &amp; Capacity</b>			
First 200 KWH	100,131	\$0.04413	\$4,419
Next 600 KWH	292,337	\$0.03866	\$11,302
Excess KWH	3,340,219	\$0.03539	\$118,210
Subtotal	3,732,687		\$133,931
<b>COMPETITIVE TRANSITION CHARGE</b>			
First 200 KWH	100,131	\$0.01859	\$1,861
Next 600 KWH	292,337	\$0.01649	\$4,821
Excess KWH	3,340,219	\$0.01523	\$50,872
Subtotal	3,732,687		\$57,554
Total Rate Revenue			\$267,384

PP&L, Inc.  
Rate Schedule GS-3  
Large General Service at Secondary Voltage  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>BILLING KW BLOCKS</b>			
All KW	22,095,633	\$6.94	\$153,343,690
<b>KWH BLOCKS</b>			
First 200 Hours	4,291,652,070	\$0.06444	\$276,554,059
Next 200 Hours	2,683,365,873	\$0.05047	\$135,429,476
Excess KWH	756,950,266	\$0.04849	\$36,704,518
Subtotal	7,731,968,209		\$448,688,053
T. O. D. Metering	31,670	\$14.97	\$474,105
G3V			\$276,924
G3C			\$1,314,252
Total Rate Revenue			\$604,097,024
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	7,731,968,209	\$0.00462	\$35,721,693
<b>Distribution</b>			
Capacity - All KW	22,095,633	\$2.84000	\$62,751,598
First 200 Hours	4,291,652,070	\$0.00151	\$6,480,395
Next 200 Hours	2,683,365,873	\$0.00119	\$3,193,205
Excess KWH	756,950,266	\$0.00114	\$862,923
Subtotal			\$73,288,121
<b>Energy &amp; Capacity Charge</b>			
Capacity - All KW	22,095,633	\$3.83000	\$84,626,274
First 200 Hours	4,291,652,070	\$0.03673	\$157,632,381
Next 200 Hours	2,683,365,873	\$0.02782	\$74,651,239
Excess KWH	756,950,266	\$0.02656	\$20,104,599
Subtotal			\$337,014,493
<b>Competitive Transition Charge</b>			
First 200 Hours	4,291,652,070	\$0.01896	\$81,369,723
Next 200 Hours	2,683,365,873	\$0.01485	\$39,847,983
Excess KWH	756,950,266	\$0.01427	\$10,801,680
Subtotal	7,731,968,209		\$132,019,386
T. O. D. Metering	31,670	\$14.97	\$474,100
G3V			\$267,384
G3C			\$1,300,763
Total Rate Revenue			\$580,085,940

PP&L, Inc.  
Rate Schedule GS-3  
Off-Peak Space Conditioning and Water Heating (G3C)  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<u>BILLING KW BLOCKS</u>			
Excess KW	16,517	\$17.96	\$296,645
<u>KWH BLOCKS</u>			
All KWH	25,938,562	\$0.03851	\$998,894
T. O. D. Metering	1,250	\$14.97	\$18,713
Total Rate Revenue			<u>\$1,314,252</u>
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	25,938,562	\$0.00462	\$119,836
<u>Distribution</u>			
Excess KW	16,517	\$17.96000	\$296,645
All KWH	25,938,562	\$0.00553	\$143,440
Subtotal			<u>\$440,085</u>
<u>Energy &amp; Capacity</u>			
All KWH	25,938,562	\$0.01077	\$279,358
<u>Competitive Transition Charge</u>			
All KWH	25,938,562	\$0.01707	\$442,771
T. O. D. Metering	1,250	\$14.97	\$18,713
Total Rate Revenue			<u>\$1,300,763</u>

PP&L, Inc.  
Rate Schedule LP-4  
Large General Service at Secondary Voltage  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>BILLING KW BLOCKS</b>			
All KW	9,992,772	\$6.44	\$64,353,452
<b>KWH BLOCKS</b>			
First 200 Hours	1,948,273,076	\$0.06127	\$119,370,691
Next 200 Hours	1,719,845,746	\$0.04730	\$81,348,704
Excess KWH	800,768,283	\$0.04130	\$33,071,730
Subtotal	4,468,887,105		\$233,791,125
T. O. D. Metering	5,060	\$14.97	\$75,748
LAC			\$94,612
Total Rate Revenue			\$298,314,937
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	4,468,887,105	\$0.00377	\$16,847,704
<b>Distribution</b>			
All KW	9,992,772	\$1.75000	\$17,487,351
First 200 Hours	1,948,273,076	\$0.00025	\$487,068
Next 200 Hours	1,719,845,746	\$0.00019	\$326,771
Excess KWH	800,768,283	\$0.00017	\$136,131
Subtotal			\$18,437,321
<b>Energy &amp; Capacity Charge</b>			
All KW	9,992,772	\$3.29000	\$32,876,220
First 200 Hours	1,948,273,076	\$0.03917	\$76,313,856
Next 200 Hours	1,719,845,746	\$0.02943	\$50,615,060
Excess KWH	800,768,283	\$0.02525	\$20,219,399
Subtotal			\$180,024,535
<b>Competitive Transition Charge</b>			
All KW	9,992,772	\$1.19000	\$11,891,399
First 200 Hours	1,948,273,076	\$0.01561	\$30,412,543
Next 200 Hours	1,719,845,746	\$0.01205	\$20,724,141
Excess KWH	800,768,283	\$0.01052	\$8,424,082
Subtotal	4,468,887,105		\$71,452,165
T. O. D. Metering	5,060	\$14.97	\$75,748
LAC			\$87,869
Total Rate Revenue			\$286,925,342

PP&L, Inc.  
 Rate Schedule LP-4  
 Off-Peak Space Conditioning and Water Heating (LAC)  
 Calculation of Effect of Proposed Rate  
 For 12 months ended December 1999

<u>PRESENT RATE</u>	Units	Rate	Rate Revenue
<u>KWH BLOCKS</u>			
All KWH	2,434,267	\$0.03851	\$93,744
T. O. D. Metering	58	\$14.97	<u>\$868</u>
Total Rate Revenue			<u><u>\$94,612</u></u>
<u>PROPOSED RATE</u>			
	Units	Rate	Rate Revenue
Transmission - All KWH	2,434,267	\$0.00377	\$9,177
<u>Distribution</u>			
All KWH	2,434,267	\$0.00417	<u>\$10,151</u>
Subtotal			\$10,151
<u>Energy &amp; Capacity</u>			
All KWH	2,434,267	\$0.01447	\$35,224
<u>Competitive Transition Charge</u>			
All KWH	2,434,267	\$0.01333	\$32,449
T. O. D. Metering	58	\$14.97	\$868
Total Rate Revenue			<u><u>\$87,869</u></u>

PP&L, Inc.  
Rate Schedule ISP  
Interruptible Large General Service at 12,470 Volts or Higher  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>BILLING KW BLOCKS</b>			
All KW	434,296	\$8.28	\$3,595,971
<b>KWH BLOCKS</b>			
First 400 KWH	172,063,430	\$0.05289	\$9,100,435
Excess KWH	276,692,008	\$0.03333	\$9,222,145
Subtotal	448,755,438		\$18,322,580
T. O. D. Metering	380	\$14.97	\$5,689
Total Rate Revenue			\$21,924,240
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	448,755,438	\$0.00361	\$1,620,007
<b>Distribution</b>			
All KW	434,296	\$4.12000	\$1,789,300
First 400 KWH	172,063,430	\$0.00000	\$0
Excess KWH	276,692,008	\$0.00000	\$0
Subtotal			\$1,789,300
<b>Energy &amp; Capacity Charge</b>			
All KW	434,296	\$2.99000	\$1,298,545
First 400 KWH	172,063,430	\$0.03551	\$6,109,972
Excess KWH	276,692,008	\$0.02112	\$5,843,735
Subtotal			\$13,252,252
<b>Competitive Transition Charge</b>			
All KW	434,296	\$0.97000	\$421,267
First 400 KWH	172,063,430	\$0.01143	\$1,966,685
Excess KWH	276,692,008	\$0.00720	\$1,992,182
Subtotal			\$4,380,134
T. O. D. Metering	380	\$14.97000	\$5,689
Total Rate Revenue			\$21,047,382

PP&L, Inc.  
Rate Schedule LP-5  
Large General Service at 69,000 Volts or Higher  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>BILLING KW BLOCKS</b>			
All KW	5,021,883	\$5.99	\$30,081,079
<b>KWH BLOCKS</b>			
First 200 Hours	994,198,939	\$0.05422	\$53,905,466
Next 200 Hours	957,921,804	\$0.04623	\$44,284,725
Excess KWH	699,355,214	\$0.04024	\$28,142,054
Subtotal	2,651,475,957		\$126,332,245
T. O. D. Metering	767	\$14.97	\$11,482
Total Rate Revenue			\$156,424,806
PROPOSED RATE	Units	Rate	Rate Revenue
<b>Transmission - All KWH</b>			
Distribution	2,651,475,957	\$0.00304	\$8,060,487
<b>All KW</b>			
All KW	5,021,883	\$0.28900	\$1,451,324
First 200 Hours	994,198,939	\$0.00000	\$0
Next 200 Hours	957,921,804	\$0.00000	\$0
Excess KWH	699,355,214	\$0.00000	\$0
Subtotal	2,651,475,957		\$1,451,324
<b>Energy &amp; Capacity</b>			
All KW	5,021,883	\$4.01900	\$20,182,948
First 200 Hours	994,198,939	\$0.03496	\$34,757,195
Next 200 Hours	957,921,804	\$0.02939	\$28,153,322
Excess KWH	699,355,214	\$0.02521	\$17,630,745
Subtotal			\$100,724,210
<b>Competitive Transition Charge</b>			
All KW	5,021,883	\$1.45000	\$7,281,730
First 200 Hours	994,198,939	\$0.01420	\$14,117,625
Next 200 Hours	957,921,804	\$0.01211	\$11,600,433
Excess KWH	699,355,214	\$0.01054	\$7,371,204
Subtotal	2,651,475,957		\$40,370,992
T. O. D. Metering	767	\$14.97	\$11,482
Total Rate Revenue			\$150,618,495

PP&L, Inc.  
Rate Schedule IST  
Interruptible Large General Service at 69,000 Volts or Higher  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>BILLING KW BLOCKS</b>			
All KW	1,385,422	\$7.78	\$10,778,583
<b>KWH BLOCKS</b>			
First 400 KWH	550,103,663	\$0.04817	\$26,498,493
Excess KWH	1,777,601,518	\$0.03222	\$57,274,321
Subtotal	2,327,705,181		\$83,772,814
T. O. D. Metering	370	\$14.97	\$5,539
Total Rate Revenue			<u>\$94,556,936</u>
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	2,327,705,181	\$0.00357	\$8,309,907
<b>Distribution</b>			
All KW	1,385,422	\$1.46000	\$2,022,716
First 400 KWH	550,103,663	\$0.00000	\$0
Excess KWH	1,777,601,518	\$0.00000	\$0
Subtotal			<u>\$2,022,716</u>
<b>Energy &amp; Capacity Charge</b>			
All KW	1,385,422	\$4.54000	\$6,289,816
First 400 KWH	550,103,663	\$0.03213	\$17,674,831
Excess KWH	1,777,601,518	\$0.02039	\$36,245,295
Subtotal			<u>\$60,209,942</u>
<b>Competitive Transition Charge</b>			
All KW	1,385,422	\$1.50000	\$2,078,133
First 400 KWH	550,103,663	\$0.01044	\$5,743,082
Excess KWH	1,777,601,518	\$0.00698	\$12,407,659
Subtotal			<u>\$20,228,874</u>
T. O. D. Metering	370	\$14.97000	\$5,539
Total Rate Revenue			<u>\$90,776,978</u>

PP&L, Inc.  
Rate Schedule LP-6  
Large General Service at 69,000 Volts or Higher  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>BILLING KW BLOCKS</b>			
All KW	997,253	\$5.99	\$5,973,545
<b>KWH BLOCKS</b>			
First 400 Hours (Mandatory)	398,901,200	\$0.05022	\$20,032,818
Next 200 Hours	150,694,901	\$0.03126	\$4,710,723
Excess KWH	26,443,410	\$0.02525	\$667,696
Subtotal	576,039,511		\$25,411,237
T. O. D. Metering	48	\$14.97	\$719
Total Rate Revenue			\$31,385,501

PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	576,039,511	\$0.00304	\$1,751,160
<b>Distribution</b>			
All KW	997,253	\$0.30500	\$304,162
First 400 Hours	398,901,200	\$0.00000	\$0
Next 200 Hours	150,694,901	\$0.00000	\$0
Excess KWH	26,443,410	\$0.00000	\$0
Subtotal	576,039,511		\$304,162
<b>Energy &amp; Capacity</b>			
All KW	997,253	\$3.87000	\$3,859,369
First 400 Hours	398,901,200	\$0.03197	\$12,752,871
Next 200 Hours	150,694,901	\$0.01882	\$2,836,078
Excess KWH	26,443,410	\$0.01465	\$387,396
Subtotal	576,039,511		\$19,835,714
<b>COMPETITIVE TRANSITION CHARGE</b>			
All KW	997,253	\$1.57000	\$1,565,687
First 400 Hours	398,901,200	\$0.01319	\$5,261,507
Next 200 Hours	150,694,901	\$0.00821	\$1,237,205
Excess KWH	26,443,410	\$0.00663	\$175,320
Subtotal	576,039,511		\$8,239,719
T. O. D. Metering	48	\$14.97	\$719
Total Rate Revenue			\$30,131,474

PP&L, Inc.  
Rate Schedule LPEP  
Power Service to Electric Propulsion  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Facility Charge	12	\$3,410.00	\$40,920
<b>BILLING KW BLOCKS</b>			
All KW	248,863	\$5.99	\$1,490,689
<b>KWH BLOCKS</b>			
First 60 Hours (1,200,000 KWH Max)	14,400,000	\$0.05221	\$751,824
Next 250 Hours	52,105,250	\$0.04922	\$2,564,620
Excess KWH	1,480,750	\$0.03227	\$47,784
Subtotal	67,986,000		\$3,364,228
T. O. D. Metering	12	\$14.97	\$180
230 KV Credit	248,863	(\$0.85)	(\$211,534)
Total Rate Revenue			\$4,684,483
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	67,986,000	\$0.00321	\$218,235
<b>Distribution</b>			
Facility Charge	12	\$3,410.00000	\$40,920
All KW	248,863	\$1.19000	\$296,147
First 60 Hours (1,200,000 KWH Max)	14,400,000	\$0.00000	\$0
Next 250 Hours	52,105,250	\$0.00000	\$0
Excess KWH	1,480,750	\$0.00000	\$0
T. O. D. Metering	12	\$14.97000	\$180
230 KV Credit	248,863	(\$0.85000)	(\$211,534)
Subtotal			\$125,713
<b>Energy &amp; Capacity</b>			
All KW	248,863	\$2.13000	\$530,078
First 60 Hours (1,200,000 KWH Max)	14,400,000	\$0.02001	\$288,144
Next 250 Hours	52,105,250	\$0.01869	\$973,847
Excess KWH	1,480,750	\$0.01125	\$16,658
Subtotal			\$1,808,727
<b>COMPETITIVE TRANSITION CHARGE</b>			
All KW	248,863	\$2.45000	\$609,714
First 60 Hours (1,200,000 KWH Max)	14,400,000	\$0.02692	\$387,648
Next 250 Hours	52,105,250	\$0.02538	\$1,322,431
Excess KWH	1,480,750	\$0.01664	\$24,640
Subtotal			\$2,344,433
Total Rate Revenue			\$4,497,108

PP&L, Inc.  
Rate Schedule ISA  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Customer Charge	12	\$21,095.00	\$253,140
<b>BILLING KW BLOCKS</b>			
All KW	90,000	\$5.62	\$505,800
<b>KWH BLOCKS</b>			
Firm KWH	65,700,000	\$0.04264	\$2,801,448
Interruptible KWH	258,261,706	\$0.03934	\$10,160,016
Subtotal	323,961,706		\$12,961,464
Excess KWH at Market Value	226,727,294		Market Value
Total KWH	550,689,000		
Total Rate Revenue			\$13,720,404
<b>PROPOSED RATE</b>			
<b>Transmission - All KWH</b>			
	323,961,706	\$0.00226	\$732,153
<b>Distribution</b>			
Customer Charge	12	\$21,095.00	\$253,140
All KW	90,000	\$3.24000	\$291,600
Firm KWH	65,700,000	\$0.00019	\$12,483
Interruptible KWH	258,261,706	\$0.00000	\$0
Subtotal	323,961,706		\$557,223
<b>Energy &amp; Capacity</b>			
All KW	90,000	\$1.60000	\$144,000
Firm KWH	65,700,000	\$0.02660	\$1,747,620
Interruptible KWH	258,261,706	\$0.02456	\$6,342,907
Excess KWH	226,727,294	Market Value	Market Value
Subtotal	550,779,000		\$8,234,527
<b>COMPETITIVE TRANSITION CHARGE</b>			
All KW	90,000	\$0.68000	\$61,200
Firm KWH	65,700,000	\$0.01183	\$777,231
Interruptible KWH	258,261,706	\$0.01091	\$2,817,635
Subtotal	323,961,706		\$3,656,066
Total Rate Revenue			\$13,179,969

PP&L, Inc.  
Rate Schedule IS1  
Interruptible Service to Greenhouses  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Total Bills	50	359.24	\$17,962
<b>BILLING KW BLOCKS</b>			
All KW	2,127	9.28	\$19,739
<b>KWH BLOCKS</b>			
First 730 Hours	1,552,710	\$0.04749	\$73,738
Excess KWH	3,269,207	\$0.03751	\$122,628
Subtotal	4,821,917		\$196,366
Total Rate Revenue			\$234,067

PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	4,821,917	\$0.00462	\$22,277
<b>Distribution</b>			
Total Bills	50	359.24	\$17,962
All KW	2,127	\$7.01000	\$14,910
First 730 Hours	1,552,710	\$0.00289	\$4,487
Excess KWH	3,269,207	\$0.00228	\$7,454
Subtotal			\$44,813
<b>Energy &amp; Capacity</b>			
All KW	2,127	\$1.08000	\$2,297
First 730 Hours	1,552,710	\$0.01847	\$28,679
Excess KWH	3,269,207	\$0.01373	\$44,886
Subtotal			\$75,862
<b>Competitive Transition Charge</b>			
All KW	2,127	\$1.05000	\$2,233
First 730 Hours	1,552,710	\$0.01923	\$29,859
Excess KWH	3,269,207	\$0.01519	\$49,659
Subtotal			\$81,751
Total Rate Revenue			\$224,703

PP&L, Inc.  
 Rate Schedule BL  
 Borderline Service - Electric Service  
 Calculation of Effect of Proposed Rate  
 For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<u>KWH BLOCKS</u>			
All KWH	4,751,439	\$0.08939	\$424,731
Facility Charge			\$20,396
Total Rate Revenue			<u>\$445,127</u>
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	4,751,439	\$0.00580	\$27,558
<u>Distribution</u>			
All KWH	4,751,439	\$0.03188	<u>\$151,476</u>
<u>Energy &amp; Capacity</u>			
All KWH	4,751,439	\$0.02571	<u>\$122,159</u>
<u>Competitive Transition Charge</u>			
All KWH	4,751,439	\$0.02225	<u>\$105,720</u>
Facility Charge			\$20,396
Total Rate Revenue			<u>\$427,309</u>



PP&L, INC.  
 RATE SCHEDULE SM  
 CALCULATION OF EFFECT OF PROPOSED RATE  
 BASED ON BILL FREQUENCY DISTRIBUTION  
 FOR 12 MONTHS ENDED DECEMBER, 1999

TYPE OF SERVICE	LUMEN	NUMBER	ANNUAL KWH	PRESENT	MONTHLY RATE			
					TRANS CHARGE	DIST CHARGE	CTC	CAPACITY & ENERGY
<b>OVERHEAD</b>								
WOOD POLE	3350	2,103	1,238,667	\$ 9.820	\$ 0.155	\$ 7.280	\$ 0.678	\$ 1.288
	6650	2,023	1,861,160	\$ 12.166	\$ 0.242	\$ 9.019	\$ 1.059	\$ 1.394
	10500	85	109,310	\$ 15.666	\$ 0.339	\$ 11.614	\$ 1.480	\$ 1.686
	20000	543	1,106,634	\$ 20.079	\$ 0.537	\$ 14.886	\$ 2.345	\$ 1.745
	34000	14	48,636	\$ 32.944	\$ 0.915	\$ 24.423	\$ 3.998	\$ 2.724
	51000	5	24,005	\$ 41.899	\$ 1.264	\$ 31.062	\$ 5.525	\$ 3.056
METAL POLE	6650	5	4,600	\$ 18.902	\$ 0.242	\$ 14.103	\$ 1.059	\$ 2.641
	10500	8	10,288	\$ 22.352	\$ 0.339	\$ 16.571	\$ 1.480	\$ 2.991
	20000	83	169,154	\$ 26.884	\$ 0.537	\$ 19.931	\$ 2.345	\$ 3.073
	34000	0	0	\$ 39.909	\$ 0.915	\$ 29.624	\$ 3.998	\$ 4.056
	51000	0	0	\$ 49.134	\$ 1.264	\$ 36.517	\$ 5.525	\$ 4.399
<b>UNDERGROUND</b>								
WOOD POLE	3350	14	8,246	\$ 15.917	\$ 0.155	\$ 11.800	\$ 0.678	\$ 2.479
	6650	407	374,440	\$ 18.623	\$ 0.242	\$ 13.806	\$ 1.059	\$ 2.654
LOW MOUNT	3350	411	242,079	\$ 17.444	\$ 0.155	\$ 12.932	\$ 0.678	\$ 2.777
	6650	338	310,960	\$ 20.100	\$ 0.242	\$ 14.901	\$ 1.059	\$ 2.943
HIGH MOUNT	6650	77	70,840	\$ 22.444	\$ 0.242	\$ 16.639	\$ 1.059	\$ 3.400
	10500	70	90,020	\$ 25.575	\$ 0.339	\$ 18.960	\$ 1.480	\$ 3.621
	20000	568	1,157,584	\$ 30.346	\$ 0.537	\$ 22.497	\$ 2.345	\$ 3.750
	34000	14	48,636	\$ 44.449	\$ 0.915	\$ 32.952	\$ 3.998	\$ 4.971
	51000	29	139,229	\$ 53.723	\$ 1.264	\$ 39.828	\$ 5.525	\$ 5.365
MULTIPLE UNIT	6650	11	10,120	\$ 10.171	\$ 0.242	\$ 7.540	\$ 1.059	\$ 1.004
	10500	0	0	\$ 14.319	\$ 0.339	\$ 10.586	\$ 1.480	\$ 1.445
	20000	15	30,570	\$ 17.874	\$ 0.537	\$ 13.251	\$ 2.345	\$ 1.314
	34000	0	0	\$ 30.928	\$ 0.915	\$ 22.924	\$ 3.998	\$ 2.334
	51000	0	0	\$ 39.854	\$ 1.264	\$ 29.568	\$ 5.525	\$ 2.640
CUSTOMER OWNED	3350	97	57,133	\$ 5.669	\$ 0.155	\$ 4.203	\$ 0.678	\$ 0.478
	6650	35	32,200	\$ 8.125	\$ 0.242	\$ 6.024	\$ 1.059	\$ 0.604
	10500	8	10,288	\$ 10.926	\$ 0.339	\$ 8.100	\$ 1.480	\$ 0.760
	20000	44	89,672	\$ 15.698	\$ 0.537	\$ 11.638	\$ 2.345	\$ 0.889
CALCULATED ANNUAL REVENUE			7,244,471	\$ 1,288,398	\$ 22,886	\$ 955,154	\$ 100,053	\$ 158,761
TOTAL PRESENT REVENUE				\$ 1,288,398				
TOTAL PROPOSED REVENUE								\$ 1,236,853
RATE CHANGE: AMOUNT								\$ (51,545)
PERCENT								-4.00%

PP&L, INC.  
 RATE SCHEDULE SHS  
 CALCULATION OF EFFECT OF PROPOSED RATE  
 BASED ON BILL FREQUENCY DISTRIBUTION  
 FOR 12 MONTHS ENDED DECEMBER, 1999

TYPE OF SERVICE	LUMEN	NUMBER	ANNUAL KWH	MONTHLY RATE				
				PRESENT	TRANS CHARGE	DIST CHARGE	CTC	CAPACITY & ENERGY
<b>OVERHEAD</b>								
WOOD POLE	5800	34,080	12,166,560	\$ 9.618	\$ 0.094	\$ 7.130	\$ 0.411	\$ 1.578
	9500	44,065	22,561,280	\$ 10.797	\$ 0.135	\$ 8.004	\$ 0.589	\$ 1.647
	16000	12,579	9,471,987	\$ 12.155	\$ 0.198	\$ 9.011	\$ 0.867	\$ 1.654
	25500	3,727	5,064,993	\$ 17.075	\$ 0.358	\$ 12.657	\$ 1.564	\$ 1.987
	50000	339	723,087	\$ 22.473	\$ 0.562	\$ 16.660	\$ 2.455	\$ 2.226
METAL POLE	5800	135	48,195	\$ 13.560	\$ 0.094	\$ 10.053	\$ 0.411	\$ 2.389
	9500	642	328,704	\$ 14.460	\$ 0.135	\$ 10.720	\$ 0.589	\$ 2.400
	16000	635	478,155	\$ 15.649	\$ 0.198	\$ 11.601	\$ 0.867	\$ 2.374
	25500	252	342,468	\$ 20.118	\$ 0.358	\$ 14.915	\$ 1.564	\$ 2.612
	50000	15	31,995	\$ 25.107	\$ 0.562	\$ 18.613	\$ 2.455	\$ 2.768
<b>UNDERGROUND</b>								
WOOD POLE	5800	1,123	400,911	\$ 15.785	\$ 0.094	\$ 11.702	\$ 0.411	\$ 2.848
	9500	2,363	1,209,856	\$ 17.144	\$ 0.135	\$ 12.710	\$ 0.589	\$ 2.953
LOW MOUNT	5800	4,323	1,543,311	\$ 15.925	\$ 0.094	\$ 11.810	\$ 0.411	\$ 2.874
	9500	5,504	2,818,048	\$ 17.244	\$ 0.135	\$ 12.784	\$ 0.589	\$ 2.974
HIGH MOUNT	9500	1,379	706,048	\$ 20.866	\$ 0.135	\$ 15.469	\$ 0.589	\$ 3.719
	16000	2,136	1,608,408	\$ 22.035	\$ 0.198	\$ 16.336	\$ 0.867	\$ 3.689
	25500	1,707	2,319,813	\$ 30.566	\$ 0.358	\$ 22.660	\$ 1.564	\$ 4.763
	50000	241	514,053	\$ 35.715	\$ 0.562	\$ 26.477	\$ 2.455	\$ 4.952
MULTIPLE UNIT	5800	26	9,282	\$ 8.610	\$ 0.094	\$ 6.383	\$ 0.411	\$ 1.371
	9500	235	120,320	\$ 9.740	\$ 0.135	\$ 7.221	\$ 0.589	\$ 1.429
	16000	177	133,281	\$ 10.220	\$ 0.198	\$ 7.577	\$ 0.867	\$ 1.256
	25500	185	251,415	\$ 14.081	\$ 0.358	\$ 10.439	\$ 1.564	\$ 1.369
	50000	60	127,980	\$ 17.304	\$ 0.562	\$ 12.828	\$ 2.455	\$ 1.161
62,980,150								
CALCULATED ANNUAL REVENUE				\$ 17,049,422	\$ 199,083	\$ 12,639,420	\$ 869,763	\$ 2,659,295
TOTAL PRESENT REVENUE				\$ 17,049,422				
TOTAL PROPOSED REVENUE							\$ 16,367,561	
RATE CHANGE: AMOUNT							\$ (681,862)	
PERCENT							-4.00%	

PP&L, INC.  
 RATE SCHEDULE SE  
 CALCULATION OF EFFECT OF PROPOSED RATE  
 BASED ON BILL FREQUENCY DISTRIBUTION  
 FOR 12 MONTHS ENDED DECEMBER, 1999

TYPE OF SERVICE	LUMEN	NUMBER	ANNUAL KWH	PRESENT	MONTHLY RATE			
					TRANS CHARGE	DIST CHARGE	CTC	CAPACITY & ENERGY
UTILITY POLE	3350	96	56,544	\$ 0.08262	\$ 0.00316	\$ 0.06125	\$ 0.01381	\$ 0.00041
	6650	32	29,440	\$ 0.08262	\$ 0.00316	\$ 0.06125	\$ 0.01381	\$ 0.00041
	5800	301	107,457	\$ 0.08262	\$ 0.00316	\$ 0.06125	\$ 0.01381	\$ 0.00041
	9500	692	354,304	\$ 0.08262	\$ 0.00316	\$ 0.06125	\$ 0.01381	\$ 0.00041
	16000	312	234,936	\$ 0.08262	\$ 0.00316	\$ 0.06125	\$ 0.01381	\$ 0.00041
	25500	282	383,238	\$ 0.08262	\$ 0.00316	\$ 0.06125	\$ 0.01381	\$ 0.00041
	50000	5	10,665	\$ 0.08262	\$ 0.00316	\$ 0.06125	\$ 0.01381	\$ 0.00041
CUSTOMER POLE	3350	11	6,479	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	6650	238	218,960	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	10500	735	945,210	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	20000	438	892,644	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	34000	25	86,850	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	51000	133	638,533	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	5800	205	73,185	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	9500	384	196,608	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	16000	1,023	770,319	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	25500	1,039	1,412,001	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	50000	1,619	3,453,327	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	22000	940	929,660	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
	14000	118	106,554	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000
37000	29	45,530	\$ 0.03681	\$ 0.00316	\$ 0.02729	\$ 0.00497	\$ 0.00000	
			10,952,444					
CALCULATED ANNUAL REVENUE				\$ 457,059	\$ 34,610	\$ 338,849	\$ 64,835	\$ 482
TOTAL PRESENT REVENUE				\$ 457,059				
TOTAL PROPOSED REVENUE								\$ 438,776
RATE CHANGE: AMOUNT								\$ (18,283)
PERCENT								-4.00%



PP&L, INC.  
 RATE SCHEDULE SI-1(R)  
 CALCULATION OF EFFECT OF PROPOSED RATE  
 BASED ON BILL FREQUENCY DISTRIBUTION  
 FOR 12 MONTHS ENDED DECEMBER, 1999

TYPE OF SERVICE	LUMEN	NUMBER	ANNUAL KWH	MONTHLY RATE									
				PRESENT	TRANS CHARGE	DIST CHARGE	CTC	CAPACITY & ENERGY					
OVERHEAD													
WOOD POLE	600	224	55,776 \$	5.529 \$	0.066 \$	4.099 \$	0.287 \$	0.830					
	1000	17	7,531 \$	6.854 \$	0.117 \$	5.081 \$	0.510 \$	0.882					
UNDERGROUND													
LOW MOUNT	4000	93	130,758 \$	20.412 \$	0.370 \$	15.133 \$	1.618 \$	2.535					
			194,065										
CALCULATED ANNUAL REVENUE				\$	39,040	\$	614	\$	28,943	\$	2,681	\$	5,240
TOTAL PRESENT REVENUE				\$	39,040								
TOTAL PROPOSED REVENUE											\$	37,478	
RATE CHANGE: AMOUNT											\$	(1,561)	
PERCENT												-4.00%	

PP&L, Inc.  
Rate Schedule GH-1(R)  
Single Meter Commercial Space Heating Service  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Total Bills	14,598	\$14.97	\$218,532
<b>BILLING KW BLOCKS</b>			
All KW	1,626,408	\$1.30	\$2,114,330
<b>KWH BLOCKS</b>			
First 150 Hours (6000 KWH max)	63,111,957	\$0.08740	\$5,515,985
Excess KWH	335,465,901	\$0.07542	\$25,300,838
Subtotal	398,577,858		\$30,816,823
T.O.D. Metering	1,393	\$14.97	\$20,853
12 KV Credit	11,116,000	(\$0.00050)	(\$5,558)
Total Rate Revenue			\$33,164,980
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	398,577,858	\$0.00463	\$1,845,415
<b>Distribution</b>			
Monthly Charge	14,598	\$14.97000	\$218,532
All KW	1,626,408	\$1.30000	\$2,114,330
First 150 Hours (6000 KWH max)	63,111,957	\$0.01005	\$634,275
Excess KWH	335,465,901	\$0.00867	\$2,908,489
Subtotal			\$5,875,626
<b>Energy &amp; Capacity</b>			
All KW	1,626,408	\$0.00000	\$0
First 150 Hours (6000 KWH max)	63,111,957	\$0.04212	\$2,658,276
Excess KWH	335,465,901	\$0.03576	\$11,996,261
Subtotal			\$14,654,537
<b>Competitive Transition Charge</b>			
First 150 Hours (6000 KWH max)	63,111,957	\$0.02679	\$1,690,769
Excess KWH	335,465,901	\$0.02312	\$7,755,972
Subtotal			\$9,446,741
T.O.D. Metering	1,393	\$14.97	\$20,853
12 KV Credit	11,116,000	(\$0.00050)	(\$5,558)
Total Rate Revenue			\$31,837,614

PP&L, Inc.  
Rate Schedule GH-2(R)  
Separate Meter General Space Heating Service  
Calculation of Effect of Proposed Rate  
For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<u>MONTHLY</u>			
Total Bills	34,263	\$17.46	\$598,232
<u>KWH BLOCKS</u>			
First 200 KWH	6,283,134	\$0.00000	\$0
Excess KWH	80,907,443	\$0.08131	\$6,578,584
Subtotal	87,190,577		\$6,578,584
Total Rate Revenue			<u>\$7,176,816</u>
<u>PROPOSED RATE</u>			
	Units	Rate	Rate Revenue
Transmission - All KWH	87,190,577	\$0.00463	\$403,692
<u>Distribution</u>			
Total Bills	34,263	\$17.46000	\$598,232
First 200 KWH	6,283,134	\$0.00000	\$0
Excess KWH	80,907,443	\$0.00770	\$622,987
Subtotal			<u>\$1,221,219</u>
<u>Energy &amp; Capacity</u>			
First 200 KWH	6,283,134	(\$0.00425)	(\$26,703)
Excess KWH	80,907,443	\$0.03986	\$3,224,971
Subtotal			<u>\$3,198,268</u>
<u>Competitive Transition Charge</u>			
First 200 KWH	6,283,134	\$0.00000	\$0
Excess KWH	80,907,443	\$0.02554	\$2,066,376
Subtotal			<u>\$2,066,376</u>
Total Rate Revenue			<u>\$6,889,555</u>

PP&L, Inc.  
 Tariff Rule 6A  
 Stand-By Service for Qualifying Facilities  
 Calculation of Effect of Proposed Rate  
 For 12 months ended December 1999

PRESENT RATE	Units	Rate	Rate Revenue
<u>Back-Up Power Capacity Charge:</u>			
Service at 480 Volts or Less	0	\$1.72	\$0
Service at 12 KV	0	\$1.67	\$0
Service at 69 KV or Higher	529,364	\$1.21	\$640,530
Subtotal	529,364		\$640,530
<u>Back-Up Power KWH Charge:</u>			
Service at 480 Volts or Less	0	\$0.04819	\$0
Service at 12 KV	0	\$0.04551	\$0
Service at 69 KV or Higher	8,771,084	\$0.04085	\$358,299
Subtotal	8,771,084		\$358,299
<u>Maintenance Power KWH Charge:</u>			
Service at 480 Volts or Less	0	\$0.04819	\$0
Service at 12 KV	0	\$0.04551	\$0
Service at 69 KV or Higher	2,801,220	\$0.04085	\$114,430
Subtotal	2,801,220		\$114,430
Total Rate Revenue			<u>\$1,113,259</u>

PROPOSED RATE	Units	Rate	Rate Revenue
<u>Back-Up Power Transmission Charge:</u>			
Service at 480 Volts or Less	0	\$0.00462	\$0
Service at 12 KV	0	\$0.00377	\$0
Service at 69 KV or Higher	8,771,084	\$0.00304	\$26,664
Subtotal	8,771,084		\$26,664
<u>Back-Up Power Distribution Charge:</u>			
Service at 480 Volts or Less - All KW	0	\$0.70	\$0
Service at 480 Volts or Less - All KWH	0	\$0.00110	\$0
Service at 12 KV - All KW	0	\$0.45	\$0
Service at 12 KV - All KWH	0	\$0.00018	\$0
Service at 69 KV or Higher - All KW	529,364	\$0.06	\$30,904
Service at 69 KV or Higher - All KWH	8,771,084	\$0.00000	\$0
Subtotal			\$30,904
<u>Back-Up Power Energy &amp; Capacity Charge:</u>			
Service at 480 Volts or Less - All KW	0	\$1.02	\$0
Service at 480 Volts or Less - All KWH	0	\$0.00620	\$0
Service at 12 KV - All KW	0	\$1.22	\$0
Service at 12 KV - All KWH	0	\$0.00628	\$0
Service at 69 KV or Higher - All KW	529,364	\$1.08	\$570,793
Service at 69 KV or Higher - All KWH	8,771,084	\$0.00590	\$51,738
Subtotal	529,364		\$622,531

PP&L, Inc.  
 Tariff Rule 6A  
 Stand-By Service for Qualifying Facilities  
 Calculation of Effect of Proposed Rate  
 For 12 months ended December 1999

Back-Up Power CTC Charge:

Service at 480 Volts or Less	0	\$0.03627	\$0
Service at 12 KV	0	\$0.03528	\$0
Service at 69 KV or Higher	8,771,084	\$0.03151	\$276,377
Subtotal	<u>8,771,084</u>		<u>\$276,377</u>

Maintenance Power Transmission Charge:

Service at 480 Volts or Less	0	\$0.00462	\$0
Service at 12 KV	0	\$0.00377	\$0
Service at 69 KV or Higher	2,801,220	\$0.00304	\$8,516
Subtotal	<u>2,801,220</u>		<u>\$8,516</u>

Maintenance Power Distribution Charge:

Service at 480 Volts or Less	0	\$0.00110	\$0
Service at 12 KV	0	\$0.00018	\$0
Service at 69 KV or Higher	2,801,220	\$0.00000	\$0
Subtotal	<u>2,801,220</u>		<u>\$0</u>

Maintenance Power Energy & Capacity Charge:

Service at 480 Volts or Less	0	\$0.00620	\$0
Service at 12 KV	0	\$0.00628	\$0
Service at 69 KV or Higher	2,801,220	\$0.00552	\$15,471
Subtotal	<u>2,801,220</u>		<u>\$15,471</u>

Maintenance Power CTC Charge:

Service at 480 Volts or Less	0	\$0.03627	\$0
Service at 12 KV	0	\$0.03528	\$0
Service at 69 KV or Higher	2,801,220	\$0.03151	\$88,266
Subtotal	<u>2,801,220</u>		<u>\$88,266</u>

Total Rate Revenue

\$1,068,729

**Summary Proof of Revenues  
and Supporting Calculations for the  
12-Month Period Ended December 31, 2000**

**Summary of Proofs of Revenue**  
**PP&L, Inc.**  
**12 Month Period Ended December 31, 2000**

Line Number	Rate Schedule	Sales (KWH)	Present Base Rate Revenues	Economic Development Initiatives	State Tax Adjustment Surcharge	Total Present Rate Revenues
1	RS	11,717,981,579	\$1,005,273,755		\$0	\$1,005,273,755
2	RTS	435,825,881	\$23,654,383		\$0	\$23,654,383
3	RTD	5,447,983	\$433,678		\$0	\$433,678
4	GS-1	1,598,797,002	\$175,347,077		\$0	\$175,347,077
5	GS-3	7,959,279,944	\$618,561,182	(\$3,753,276)	\$0	\$614,807,906
6	LP4	4,545,908,888	\$303,131,387	(\$13,412,576)	\$0	\$289,718,811
7	ISP	458,241,248	\$22,286,378		\$0	\$22,286,378
8	LP5	2,695,705,929	\$159,011,889	(\$11,378,163)	\$0	\$147,633,726
9	IST	2,366,534,248	\$96,119,568		\$0	\$96,119,568
10	LP6	585,848,579	\$31,902,886		\$0	\$31,902,886
11	LPEP	67,988,000	\$4,684,483		\$0	\$4,684,483
12	ISM	550,889,000	\$13,720,404	(\$200,368)	\$0	\$13,520,036
13	IS1	4,944,744	\$239,746		\$0	\$239,746
14	BL	4,751,439	\$445,127		\$0	\$445,127
15	SA	28,229,911	\$4,708,374		\$0	\$4,708,374
16	SM	7,430,782	\$1,321,810		\$0	\$1,321,810
17	SHS	64,624,388	\$17,494,427		\$0	\$17,494,427
18	SE	11,235,785	\$488,880		\$0	\$488,880
19	TS	529,676	\$61,156		\$0	\$61,156
20	SI-1	198,371	\$39,928		\$0	\$39,928
21	GH-1	398,577,858	\$33,164,880		\$0	\$33,164,880
22	GH-2	87,190,577	\$7,176,816		\$0	\$7,176,816
23	Standby	11,572,304	\$1,113,259		\$0	\$1,113,259
24	PR-1	**				
25	PR-2	**				
<b>PP&amp;L Totals</b>		<b>33,605,331,870</b>	<b>\$2,520,361,533</b>	<b>(\$28,742,383)</b>	<b>\$0</b>	<b>\$2,491,619,150</b>

\*\* Customer Base Line KWH usage is included under Rate Schedules LP-4, LP-5, IS-P, or IS-T, as appropriate.

**Summary of Proofs of Revenue**  
**PP&L, Inc.**  
**12 Month Period Ended December 31, 2000**

Line Number	Rate Schedule	Sales (KWH)	Energy and Capacity Revenues (Shopping Credit)	Transmission Revenues	Distribution Revenues	Sustainable Energy Fund	Adjusted Distribution Revenues	Competitive Transition Charge with GRT	Proposed Base Rate Revenues	State Tax Adjustment Surcharge	Proposed Total Rate Revenues	Rate Change	Percent
1	RS	11,717,981,579	\$495,738,854	\$44,178,791	\$273,681,111	\$1,171,798	\$274,852,909	\$191,877,000	\$1,005,273,756	\$0	\$1,005,273,756	\$1	0.00%
2	RTS	435,825,881	\$15,379,140	\$518,633	\$3,276,433	\$43,583	\$3,320,016	\$4,480,157	\$23,654,383	\$0	\$23,654,383	\$0	0.00%
3	RTD	5,447,983	\$199,878	\$20,539	\$124,078	\$545	\$124,623	\$89,183	\$433,678	\$0	\$433,678	\$0	0.00%
4	GS-1	1,598,797,002	\$82,340,895	\$9,273,022	\$49,037,932	\$159,880	\$49,197,812	\$34,695,227	\$175,347,078	\$0	\$175,347,078	\$0	0.00%
5	GS-3	7,859,279,944	\$371,069,058	\$36,771,874	\$75,333,177	\$795,828	\$76,129,105	\$131,833,799	\$614,807,908	\$0	\$614,807,908	(\$1)	0.00%
6	LP4	4,545,908,668	\$186,596,345	\$17,138,076	\$17,876,033	\$454,591	\$18,332,624	\$88,106,357	\$289,718,811	\$0	\$289,718,811	\$0	0.00%
7	ISP	456,241,246	\$14,435,982	\$1,647,031	\$1,824,062	\$45,624	\$1,869,686	\$4,379,302	\$22,286,377	\$0	\$22,286,377	(\$1)	0.00%
8	LP5	2,695,705,929	\$100,136,129	\$8,194,946	\$1,361,005	\$289,571	\$1,630,575	\$37,943,645	\$147,635,725	\$0	\$147,635,725	(\$1)	0.00%
9	IST	2,386,534,246	\$85,378,232	\$8,448,527	\$2,061,129	\$236,853	\$2,297,782	\$20,231,681	\$96,119,589	\$0	\$96,119,589	\$1	0.00%
10	LP6	585,648,579	\$21,570,568	\$1,780,372	\$309,829	\$58,565	\$368,394	\$8,242,120	\$31,902,889	\$0	\$31,902,889	\$3	0.00%
11	LPEP	87,986,000	\$1,895,435	\$218,235	\$125,713	\$6,799	\$132,512	\$2,345,101	\$4,684,484	\$0	\$4,684,484	\$1	0.00%
12	ISM	550,889,000	\$8,635,006	\$732,153	\$555,015	\$32,396	\$587,411	\$3,597,861	\$13,520,035	\$0	\$13,520,035	(\$1)	0.00%
13	IS1	4,844,744	\$89,310	\$22,845	\$45,773	\$494	\$46,267	\$81,617	\$239,745	\$0	\$239,745	(\$1)	0.00%
14	BL	4,751,439	\$142,543	\$27,558	\$171,872	\$475	\$172,347	\$103,154	\$445,127	\$0	\$445,127	\$0	0.00%
15	SA	28,229,911	\$749,148	\$89,147	\$3,490,421	\$2,823	\$3,493,244	\$379,857	\$4,708,374	\$0	\$4,708,374	\$0	0.00%
16	SM	7,430,782	\$218,381	\$23,474	\$979,924	\$743	\$980,667	\$100,031	\$1,321,810	\$0	\$1,321,810	\$0	0.00%
17	SHS	64,624,388	\$3,451,336	\$204,280	\$12,969,320	\$8,462	\$12,975,782	\$869,489	\$17,484,427	\$0	\$17,484,427	\$0	0.00%
18	SE	11,235,785	\$5,731	\$35,505	\$347,598	\$1,124	\$348,722	\$80,028	\$468,880	\$0	\$468,880	\$0	0.00%
19	TS	529,676	\$19,372	\$1,676	\$32,976	\$53	\$33,029	\$7,132	\$81,158	\$0	\$81,158	\$0	0.00%
20	SI-1	198,371	\$7,030	\$628	\$29,601	\$20	\$29,621	\$2,669	\$39,928	\$0	\$39,928	\$0	0.00%
21	GH-1	398,577,858	\$15,981,902	\$1,845,415	\$5,890,821	\$39,858	\$5,930,779	\$9,446,741	\$33,164,879	\$0	\$33,164,879	(\$1)	0.00%
22	GH-2	87,190,577	\$3,464,719	\$403,692	\$1,221,219	\$8,719	\$1,229,938	\$2,067,185	\$7,176,815	\$0	\$7,176,815	(\$1)	0.00%
23	Standby	11,572,304	\$682,417	\$35,180	\$30,904	\$1,157	\$32,061	\$364,759	\$1,113,258	\$0	\$1,113,258	\$0	0.00%
24	PR-1	**											
25	PR-2	**											
		<b>33,605,331,870</b>	<b>\$1,388,307,412</b>	<b>\$131,609,599</b>	<b>\$450,778,047</b>	<b>\$3,337,860</b>	<b>\$454,115,907</b>	<b>\$520,924,094</b>	<b>\$2,491,619,151</b>	<b>\$0</b>	<b>\$2,491,619,151</b>	<b>\$1</b>	<b>0.00%</b>

\*\* Customer Base Line KWH usage is included under Rate Schedules LP-4, LP-5, IS-P, or IS-T, as appropriate.

PP&L, Inc.  
Rate Schedule RS  
Residential Service  
Calculation of Effect of Proposed Rate  
For 12 months ended December 2000

PRESENT RATE	Units	Rate	Rate Revenue
<u>MONTHLY</u>			
Total Bills	13,468,616	\$6.47	\$87,141,946
<u>KWH BLOCKS</u>			
First 200 KWH	2,481,526,434	\$0.08845	\$219,491,013
Next 600 KWH	4,890,184,447	\$0.07847	\$383,732,774
Excess KWH	4,339,746,397	\$0.07248	\$314,544,819
Subtotal	11,711,457,278		\$917,768,606
RWO			\$211,225
RWI			\$151,978
Total Rate Revenue			<u>\$1,005,273,755</u>
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	11,711,457,278	\$0.00377	\$44,152,194
<u>Distribution</u>			
Monthly Distribution Charge	13,468,616	\$6.47000	\$87,141,946
First 200 KWH	2,481,526,434	\$0.01796	\$44,568,215
Next 600 KWH	4,890,184,447	\$0.01594	\$77,949,540
Excess	4,339,746,397	\$0.01472	\$63,881,067
Subtotal			\$273,540,768
<u>Energy &amp; Capacity Charge</u>			
First 200 KWH	2,481,526,434	\$0.04826	\$119,758,466
Next 600 KWH	4,890,184,447	\$0.04238	\$207,246,017
Excess	4,339,746,397	\$0.03886	\$168,642,545
Subtotal	11,711,457,278		\$495,647,028
<u>Competitive Transition Charge</u>			
First 200 KWH	2,481,526,434	\$0.01846	\$45,808,978
Next 600 KWH	4,890,184,447	\$0.01638	\$80,101,221
Excess KWH	4,339,746,397	\$0.01513	\$65,660,363
Subtotal	11,711,457,278		\$191,570,562
RWO			\$211,225
RWI			\$151,979
Total Rate Revenue			<u>\$1,005,273,756</u>

PP&L, Inc.  
 RS with Off-Peak Water Heating-Single Meter (RW1)  
 Residential Service  
 Calculation of Effect of Proposed Rate  
 For 12 months ended December 2000

PRESENT RATE	Units	Rate	Rate Revenue
<u>MONTHLY</u>			
Total Bills	1,229	\$12.47	\$15,326
<u>KWH BLOCKS</u>			
First 200 KWH	245,727	\$0.08845	\$21,735
Next 400 KWH	479,833	\$0.04654	\$22,331
Next 600 KWH	559,075	\$0.07847	\$43,871
Excess KWH	672,123	\$0.07248	\$48,715
Subtotal	1,956,758		\$136,652
Total Rate Revenue			\$151,978
<u>PROPOSED RATE</u>			
<u>Transmission - All KWH</u>			
	1,956,758	\$0.00377	\$7,377
<u>Distribution</u>			
Total Bills - Delivery	1,229	\$12.47	\$15,326
First 200 KWH	245,727	\$0.01796	\$4,413
Next 400 KWH	479,833	\$0.01592	\$7,639
Next 600 KWH	559,075	\$0.01594	\$8,912
Excess KWH	672,123	\$0.01472	\$9,894
Subtotal			\$46,184
<u>Energy &amp; Capacity</u>			
First 200 KWH	245,727	\$0.04826	\$11,859
Next 400 KWH	479,833	\$0.01049	\$5,033
Next 600 KWH	559,075	\$0.04238	\$23,694
Excess KWH	672,123	\$0.03886	\$26,119
Subtotal	1,956,758		\$66,705
<u>Competitive Transition Charge</u>			
First 200 KWH	245,727	\$0.01846	\$4,536
Next 400 KWH	479,833	\$0.01636	\$7,850
Next 600 KWH	559,075	\$0.01638	\$9,158
Excess KWH	672,123	\$0.01513	\$10,169
Subtotal	1,956,758		\$31,713
Total Rate Revenue			\$151,979

PP&L, Inc.  
Rate Schedule RS  
RS with Off-Peak Water Heating-Separate Meter (RWO)  
Calculation of Effect of Proposed Rate  
For 12 months ended December 2000

PRESENT RATE	Units	Rate	Rate Revenue
<u>MONTHLY</u>			
Total Bills	3,574	\$6.00	\$21,444
<u>KWH BLOCKS</u>			
All KWH	4,567,543	\$0.04155	\$189,781
Total Rate Revenue			<u>\$211,225</u>
<u>PROPOSED RATE</u>			
	Units	Rate	Rate Revenue
Transmission - All KWH	4,567,543	\$0.00377	\$17,220
<u>Distribution</u>			
Monthly Distribution Charge	3,574	\$6.00	\$21,444
All KWH	4,567,543	\$0.01592	\$72,715
Subtotal			<u>\$94,159</u>
<u>Energy &amp; Capacity</u>			
All KWH	4,567,543	\$0.00550	\$25,121
<u>Competitive Transition Charge</u>			
All KWH	4,567,543	\$0.01636	\$74,725
Total Rate Revenue			<u>\$211,225</u>

PP&L, Inc.  
Rate Schedule RTS  
Residential Service - Thermal Storage  
Calculation of Effect of Proposed Rate  
For 12 months ended December 2000

PRESENT RATE	Units	Rate	Rate Revenue
<b>MONTHLY</b>			
Total Bills	175,678	\$14.97	\$2,629,900
<b>BILLING KW BLOCKS</b>			
First 2 on-peak KW	342,006	\$0.00	\$0
Excess on-peak KW	729,426	\$5.79	\$4,223,377
Subtotal	1,071,432		\$4,223,377
<b>KWH BLOCKS</b>			
All KWH	435,825,861	\$0.03855	\$16,801,087
Total Rate Revenue			\$23,654,363
PROPOSED RATE	Units	Rate	Rate Revenue
Transmission - All KWH	435,825,861	\$0.00119	\$518,633
<b>Distribution</b>			
Total Bills - Delivery	175,678	\$14.97	\$2,629,900
First 2 on-peak KW	342,006	\$0.00	\$0
Excess on-peak KW	729,426	\$0.89	\$646,534
Subtotal			\$3,276,433
<b>Energy &amp; Capacity</b>			
First 2 on-peak KW	0	\$0.00	\$0
Excess on-peak KW	729,426	\$4.90	\$3,576,843
All KWH	435,825,861	\$0.02708	\$11,802,297
Subtotal			\$15,379,140
<b>Competitive Transition Charge</b>			
All KWH	435,825,861	\$0.01028	\$4,480,157
Total Rate Revenue			\$23,654,363

**FILE**

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