

**DIRECT TESTIMONY OF  
TERESA A. CAUDILL  
ON BEHALF OF KINGSPORT POWER COMPANY  
D/B/A AEP APPALACHIAN POWER  
IN TENNESSEE REGULATORY AUTHORITY  
DOCKET NO. 15-~~00093~~**

1   **Q.   PLEASE STATE YOUR NAME, BUSINESS ADDRESS, AND POSITION.**

2   A.   My name is Teresa A. Caudill. My business address is 1 Riverside Plaza,  
3       Columbus, Ohio 43215. I am employed by the American Electric Power Service  
4       Corporation (AEPSC) as a Regulatory Consultant Staff in Regulated Pricing and  
5       Analysis. AEPSC supplies engineering, financing, accounting, and planning and  
6       advisory services to the subsidiaries of the American Electric Power System  
7       (AEP), one of which is Kingsport Power Company (KgPCo or the Company).

8   **Q.   WHAT ARE YOUR PRINCIPAL AREAS OF RESPONSIBILITY AS A**  
9       **REGULATORY CONSULTANT STAFF?**

10  A.   My responsibilities include preparation of cost-of-service studies and rate design  
11       analyses for the AEP System Operating Companies, as well as other projects  
12       related to regulatory issues and proceedings, individual customer requests, and  
13       general rate matters.

14  **Q.   PLEASE SUMMARIZE YOUR EDUCATIONAL BACKGROUND AND**  
15       **EMPLOYMENT HISTORY.**

16  A.   I earned a Bachelor of Business Administration Degree from Ohio University in  
17       1987. I have completed both the EEI Electric Rate Fundamentals and Advanced  
18       Courses. I am a Certified Internal Auditor.

19               I began my career with AEP in 1975 in the Marketing and Customer  
20       Services department of the Ashland Division of Kentucky Power Company. I

1 progressed through various positions, and in 1983 I was promoted to Customer  
2 Accounts Accountant. My primary duty was to supervise the credit and collection  
3 activities of the Ashland Division. In 1989, I accepted the position of Internal  
4 Auditor in the Internal, Fuel, and Special Audits department at AEPSC in  
5 Columbus, Ohio. My primary duty was to perform operational and financial  
6 audits of the AEP System operating companies. In 1998, I accepted the position  
7 of Regulatory Consultant in AEPSC Regulated Pricing and Analysis. Since that  
8 time, I have progressed through various positions and was promoted to my current  
9 position of Regulatory Consultant Staff in 2014.

10 **Q. HAVE YOU PREVIOUSLY TESTIFIED IN REGULATORY**  
11 **PROCEEDINGS?**

12 A. Yes. I have testified and/or submitted testimony before the Indiana Utility  
13 Regulatory Commission on behalf of Indiana Michigan Power and before the  
14 Public Utilities Commission of Ohio on behalf of Columbus Southern Power and  
15 Ohio Power. These companies, like KgPCo, are electric operating subsidiaries of  
16 AEP.

17 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

18 A. The purpose of my testimony is to sponsor the modifications to KgPCo's Tariffs  
19 included in KgPCo Exhibit No. 3 (TAC) and to sponsor the rate design supporting  
20 the charges included in those tariffs. Company witness Simmons sponsors the  
21 modifications to KgPCo's Terms and Conditions of Service.

22 **Q. WHAT EXHIBITS ARE YOU SPONSORING?**

23 A. I am sponsoring the following exhibits:

1 KgPCo Exhibit No.1 (TAC), Total Proposed Revenues

2 KgPCo Exhibit No. 2 (TAC), Current and Proposed Rates

3 KgPCo Exhibit No. 3 (TAC), Red Lined Tariffs

4 KgPCo Exhibit No. 4 (TAC), Clean Tariffs

5 KgPCo Exhibit No. 5 (TAC), Typical Bills

6 **Q. WERE THE EXHIBITS THAT YOU ARE SPONSORING PREPARED OR**  
7 **ASSEMBLED BY YOU OR UNDER YOUR DIRECTION?**

8 A. Yes.

9 **Q. PLEASE DESCRIBE THE COMPANY'S GENERAL APPROACH TO**  
10 **RATE DESIGN.**

11 A. In general, the Company's approach is to design rates and rate components which  
12 reflect the underlying costs of the Company. This includes collecting service-  
13 related costs through service charges and recognizing the differences in the costs  
14 to serve customers at different service delivery voltages. As with the allocation of  
15 the revenue increases to the customer classes discussed in Company witness  
16 Buck's testimony, the concept of gradualism must be considered in the movement  
17 toward full cost-based rate components to avoid undue impacts on customers.

18 **Q. PLEASE SUMMARIZE THE TARIFF MODIFICATIONS PROPOSED BY**  
19 **THE COMPANY.**

20 A. The significant modifications proposed by the Company are as follows:

21 <u>Tariff</u>	<u>Tariff Modification</u>
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22 All Tariffs	a) Move rate components toward full costs.
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1	Purchased Power Adjustment Rider	a) Eliminate rider sheets since the Company
2		proposes to include in the future Variable
3		Cost Rider (VCR).
4	Fuel Adjustment Rider	a) Eliminate rider sheets since the Company
5		proposes to include in the future Variable
6		Cost Rider (VCR).
7	R.S.-E.	a) Freeze offering so that it is not available
8		to new employee accounts. Existing
9		customers would continue to receive service
10		under the tariff.
11	R.S.-D.	a) Introduce new demand-metered tariff
12		offering.
13	R.S.-L.M.-T.O.D.	a) Eliminate tariff.
14	S.G.S.-L.M.-T.O.D.	a) Eliminate provision.
15	S.G.S.-D.	a) Introduce new demand-metered tariff for
16		N.M.S.
17	M.G.S.	a) Implement demand charges.
18	M.G.S.-L.M.-T.O.D.	a) Eliminate provision.
19	M.G.S.-T.O.D.	a) Change the tariff name to General Service
20		– Time-of-Day (G.S.-T.O.D.).
21		b) Modify Availability of Service to limit to
22		new customers with demands greater than
23		10 kW but less than 100 kW. Existing
24		customers would continue to receive service
25		under the tariff.
26	L.G.S.	a) Introduce combined
27		subtransmission/transmission voltage level
28		rate.
29		b) Eliminate the power factor adjustment as
30		applied to billing energy from the
31		calculation of monthly bills.
32	L.G.S.-T.O.D.	a) Introduce new T.O.D. tariff offering.

- 1 I.P. a) Add secondary voltage level rate.
- 2 b) Combine separate subtransmission and
- 3 transmission voltage levels.
- 4 O.L. a) Discontinue the following four (4) post-
- 5 top lighting options: 7,000 Lumen Mercury
- 6 Vapor (Tariff 099), 50,000 Lumen High
- 7 Pressure Sodium (Tariff 104), 6,300 Lumen
- 8 High Pressure Sodium (Tariff 121), and
- 9 36,000 Lumen Metal Halide (Tariff 125).
- 10 Since no customers are being billed for these
- 11 outdoor lights, there is no customer impact.
- 12 R.P.R.P. a) Introduce a new residential rider related
- 13 to Demand Side Management programs.
- 14 S.B.S. a) Introduce a standard tariff for backup and
- 15 maintenance service.
- 16 A.F.S a) Introduce a new tariff for customers that
- 17 desire a redundant/alternate feed.
- 18 N.M.S. a) Freeze current N.M.S. and introduce
- 19 N.M.S.-2 which will require a demand-
- 20 based service for new installations
- 21 beginning 1-1-17. Improve excess
- 22 generation language in both Riders.

23 **Q. WHY ARE RIDER SHEETS RELATED TO THE PURCHASED POWER**

24 **ADJUSTMENT RIDER (PPAR) AND THE FUEL ADJUSTMENT**

25 **CLAUSE (FAC) BEING ELIMINATED?**

26 A. As discussed by Company witness Castle, the Company proposes to eliminate the

27 current PPAR and FAC riders and include the Company's test year level of costs

28 in base rates. In a future filing, the Company will propose to establish a single

29 new rider called the Variable Cost Rider to include, among other items, variations

30 in both fuel and purchased power costs compared to levels of those costs in base

31 rates.

1   **Q.    WHY IS THE COMPANY PROPOSING TO INCREASE THE MONTHLY**  
2       **SERVICE CHARGE APPLICABLE TO THE RESIDENTIAL, SMALL**  
3       **GENERAL SERVICE, AND CHURCH SERVICE TARIFFS?**

4    A.   The goal is to institute a service charge that more accurately reflects the actual  
5       cost of providing service independent of the amount of energy consumed. The  
6       rate structures for rate classes that utilize demand charges are better aligned with  
7       cost causation principles than those that do not, such as Tariff R.S., Tariff S.G.S.,  
8       and Tariff C.S., because fixed costs are generally recovered through demand  
9       charges. Metering for these rate classes registers kWh consumption but does not  
10      have the ability to register demand due to historical costs for such meters.  
11      Without separate demand charges in these rate classes, the majority of fixed  
12      distribution costs are recovered through volumetric energy charges. Such costs,  
13      or at least a larger portion of those costs, should be recovered in the service  
14      charge since these costs are fixed in nature, do not increase with energy usage,  
15      and are the result of simply connecting a customer to the distribution system. The  
16      current service charge only partially compensates the Company for the fixed cost  
17      of providing electric service.

18   **Q.    HOW WILL THE INCREASED SERVICE CHARGE IMPACT**  
19       **MONTHLY BILL VOLATILITY?**

20   A.   By removing a portion of the fixed costs from the energy charge, the average  
21       customer will see less volatility in bills from low to high usage months. This is  
22       especially true for the Company's electric heating customers since they tend to  
23       experience very high usage months in the winter to heat their homes. The

1 Company's proposed rate design change will lessen the bill impact in those  
2 months that results from their increased winter heating usage. This is a desirable  
3 result since these are the same months when customers tend to have the most  
4 difficulty paying their electricity bills. Further, as described above, this is an  
5 appropriate result based upon cost causation principles.

6 **Q. WHY IS THE COMPANY PROPOSING TO INTRODUCE MONTHLY**  
7 **DEMAND CHARGES APPLICABLE TO TARIFF M.G.S.?**

8 A. As previously discussed, it is appropriate to collect fixed costs through a demand  
9 charge, whenever possible. Since the Company already has demand metering on  
10 all Tariff M.G.S. customers, implementing a demand charge is much simpler than  
11 it would be for other tariffs such as Tariff C.S., that do not have demand metering  
12 installed for all customers.

13 **Q. WHY IS THE COMPANY PROPOSING TO DISCONTINUE TARIFF**  
14 **R.S.-L.M.-T.O.D. AND THE LOAD MANAGEMENT TIME-OF-DAY**  
15 **PROVISIONS FROM TARIFF S.G.S AND TARIFF M.G.S.?**

16 A. The Company is proposing to discontinue these offerings for several reasons.  
17 First of all, no customers are currently utilizing these provisions. Furthermore,  
18 these offerings were introduced many years ago and the technology has clearly  
19 proven not to be popular. Lastly, the Company has made time-of-day rates  
20 available to the customers who would qualify for these discontinued tariffs under  
21 other existing or new tariffs: Tariff R.S. customers may utilize the Residential  
22 Time-of-Day Tariff (Tariff R.S.-T.O.D.), Tariff S.G.S and Tariff M.G.S.

1 customers may utilize the proposed Tariff G.S.-T.O.D., and Tariff L.G.S.

2 customers may utilize the proposed Tariff L.G.S.-T.O.D.

3 **Q. WHAT IS THE COMPANY PROPOSING REGARDING THE**  
4 **RESIDENTIAL EMPLOYEE TARIFF?**

5 A. The Company proposes to close this tariff to new employees hired after December  
6 31, 2016, but allow existing customers to continue to receive service under the  
7 tariff.

8 **Q. WHY DOES THE COMPANY PROPOSE TO COMBINE THE**  
9 **SUBTRANSMISSION AND TRANSMISSION VOLTAGE LEVELS FOR**  
10 **TARIFF L.G.S AND TARIFF I.P.?**

11 A. The Company proposes to combine these voltage levels because the Company  
12 currently does not serve any customers at the subtransmission voltage level. This  
13 change will also achieve consistency with Federal Energy Regulatory  
14 Commission rate-making treatment which does not differentiate between the two  
15 voltage levels.

16 **Q. PLEASE BRIEFLY EXPLAIN OPTIONAL RIDER R.P.R.P., THE**  
17 **RESIDENTIAL PEAK REDUCTION PROGRAM THAT THE COMPANY**  
18 **PROPOSES.**

19 A. As explained by Company witness Castle, the Company proposes to implement  
20 programs that reduce energy and demand requirements for its residential  
21 customers. This program is designed to reduce residential summer peak demand  
22 by cycling off air conditioners and electric heat pumps through the use of  
23 separately installed load control equipment.



1   **Q.     DOES THE COMPANY PROPOSE A NEW TARIFF FOR ALTERNATE**  
2   **FEED SERVICE (A.F.S.)?**

3   A.    Yes. Given the special nature of this service for customers that request a second  
4       distribution feed in addition to their basic service, the Company proposes a  
5       special tariff to address the unique nature and costs of providing that service. For  
6       various reasons, A.F.S. customers require a higher level of reliability than other  
7       customers. While the Company wishes to meet the needs of its customers, it is  
8       important that such customers pay charges that reflect the full cost of providing  
9       such service. This prevents other customers from bearing the burden of the  
10      Company's additional costs for providing this premium service to customers that  
11      desire an alternate feed.

12   **Q.     DOES THE COMPANY PROPOSE A NEW TARIFF FOR STANDBY**  
13   **SERVICE (S.B.S.)?**

14   A.    Yes. The Company proposes to make this tariff available to customers that have  
15       their own power production facilities and have a need for standby electric service.  
16       Standby service includes supplemental service, backup service, and maintenance  
17       service. Making this tariff available to customers will eliminate the need for  
18       special contracts for this type of service.

19   **Q.     WHAT IS THE COMPANY PROPOSING REGARDING NET METERING**  
20   **SERVICE (RIDER N.M.S.)?**

21   A.    As discussed by Company witness Castle, the Company proposes to freeze its  
22       current Rider N.M.S. effective January 1, 2017 and introduce a new Rider  
23       N.M.S.-2 that incorporates a demand charge for new customers on and after

1 January 1, 2017. The Company also proposes an improvement to the language  
2 related to customer excess generation.

3 **Q. WHAT RATE IS THE COMPANY PROPOSING FOR THE TENNESSEE**  
4 **INSPECTION FEE?**

5 A. The Company is proposing a Tennessee Inspection Fee of zero. The test year  
6 levels of costs are included in the proposed base rates.

7 **Q. HAS THE COMPANY PREPARED A SUMMARY THAT REFLECTS**  
8 **CURRENT AND PROPOSED RATES FOR EACH CUSTOMER CLASS?**

9 A. Yes. Current and proposed service charges and rates are shown in KgPCo Exhibit  
10 No. 2 (TAC). Proposed rates reflect the roll-in of test year levels of FAC and  
11 PPAR charges into base rates.

12 **Q. HAVE YOU PREPARED A SUMMARY OF THE COMPANY'S**  
13 **PROPOSED RATE INCREASE?**

14 A. Yes. KgPCo Exhibit No. 1 (TAC) shows the base rate increase and the rate  
15 increase by tariff class. The total proposed increase is \$12,118,173, or 7.76%.

16 **Q. WHAT IMPACT WILL THE PROPOSED RATES HAVE ON**  
17 **CUSTOMER BILLS?**

18 A. Upon implementation, residential customers using 1,500 kWh of electricity per  
19 month would see a monthly rate increase of \$17.21, or 13.2%. KgPCo Exhibit  
20 No. 5 (TAC) shows the percentage increase at various "typical" usage levels for  
21 KgPCo's major tariff schedules.

22 **Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

23 A. Yes it does.

**KINGSPORT POWER BILLING ANALYSIS**  
**TEST YEAR ENDED DECEMBER 31, 2014**  
**PROFORMA SUMMARY**

<u>Tariff</u> (1)	<u>With Prompt Payment Discount</u>				<u>Without Prompt Payment Discount</u>				<u>Avg. Monthly Number of Customers</u> (10)
	<u>Total Current Revenue</u> (2)	<u>Total Proposed Revenue</u> (3)	<u>Difference</u> (4)=(3)-(2)	<u>% Difference</u> (5)=(4)/(2)	<u>Total Current Revenue</u> (6)	<u>Total Proposed Revenue</u> (7)	<u>Difference</u> (8)=(7)-(6)	<u>% Difference</u> (9)=(8)/(6)	
RS Total (011, 015)	\$59,308,114	\$67,256,161	\$7,948,047	13.40%	\$60,211,283	\$68,280,367	\$8,069,084	13.40%	41,193
RS EMP (018, 051)	\$129,453	\$148,050	\$18,597	14.37%	\$131,424	\$150,305	\$18,881	14.37%	90
RSTOD Total (030)	\$5,213	\$5,581	\$368	7.07%	\$5,292	\$5,666	\$374	7.07%	4
SGS Fixed Total (231)	\$2,123,313	\$2,213,107	\$89,794	4.23%	\$2,155,648	\$2,246,809	\$91,161	4.23%	3,303
SGS Measured Total (232)	\$217,638	\$223,055	\$5,417	2.49%	\$220,952	\$226,452	\$5,500	2.49%	233
SGS NM Total (233)	\$24,933	\$27,533	\$2,600	10.43%	\$25,313	\$27,952	\$2,639	10.43%	69
MGS Sec Total (235)	\$10,432,366	\$10,862,386	\$430,021	4.12%	\$10,591,234	\$11,027,803	\$436,569	4.12%	1,361
MGSTOD (229)	\$32,452	\$35,728	\$3,276	10.10%	\$32,946	\$36,272	\$3,326	10.10%	5
MGS Pri Total (237)	\$39,451	\$40,578	\$1,127	2.86%	\$40,052	\$41,196	\$1,144	2.86%	2
LGS Sec Total (240, 242)	\$18,129,889	\$18,960,173	\$830,284	4.58%	\$18,405,978	\$19,248,907	\$842,929	4.58%	234
LGS Pri Total (244)	\$1,528,056	\$1,510,485	(\$17,571)	-1.15%	\$1,551,326	\$1,533,487	(\$17,839)	-1.15%	7
IP Pri (322)	\$4,214,583	\$4,601,975	\$387,392	9.19%	\$4,278,765	\$4,672,056	\$393,291	9.19%	2
IP Tran (324)	\$53,589,620	\$55,592,529	\$2,002,909	3.74%	\$54,405,705	\$56,439,116	\$2,033,411	3.74%	4
EHG (208, 209)	\$2,443,736	\$2,544,811	\$101,075	4.14%	\$2,480,951	\$2,583,564	\$102,613	4.14%	593
CS (221)	\$952,823	\$992,191	\$39,368	4.13%	\$967,333	\$1,007,301	\$39,968	4.13%	184
PS (640)	\$677,728	\$741,332	\$63,604	9.38%	\$688,049	\$752,621	\$64,572	9.38%	16
PS (641)	\$73,890	\$82,280	\$8,390	11.35%	\$75,015	\$83,533	\$8,518	11.35%	1
PS (642)	\$1,515,399	\$1,682,491	\$167,092	11.03%	\$1,538,476	\$1,708,113	\$169,637	11.03%	15
OL (093-126)	\$722,983	\$752,887	\$29,904	4.14%	\$733,993	\$764,352	\$30,359	4.14%	3,714
Total Rate Design	\$156,161,640	\$168,273,334	\$12,111,694	7.76%	\$158,539,736	\$170,835,872	\$12,296,137	7.76%	51,030
Revenue Verification Difference		\$6,479	\$6,479			\$6,577	\$6,577		
Total Target Revenues	\$156,161,640	\$168,279,812 *	\$12,118,173	7.76%	\$158,539,736	\$170,842,449 *	\$12,302,713	7.76%	

\* From KgPCo Exhibit No. 4-c (DRB)

**KINGSPORT POWER COMPANY**  
**Comparison of Current and Proposed Rates**  
**Test Year Ended December 31, 2014**  
**Docket No. 15-\_\_\_\_\_**

TARIFF	CURRENT RATES				PROPOSED RATES *							
	Demand	Reactive	Energy	Customer	Demand	\$ Change	Reactive	\$ Change	Energy	\$ Change	Customer	\$ Change
	\$/kW	KVA/KVAR	¢/kWh	\$/mo	\$/kW	(7)=(6)-(2)	\$/kVAR	(9)=(8)-(3)	¢/kWh	(11)=(10)-(4)	\$/mo	(13)=(12)-(5)
(1)	(2)	(3)	(4)	(5)	(6)		(8)		(10)		(12)	
<b>RS (011, 015)</b>				7.30							11.00	3.70
All kWh			4.873						9.248	4.375		
Load Management Water Heating			2.755						5.827	3.072		
Fuel Clause Rider			1.284						0.000	-1.284		
PPAR Rider			2.146						0.000	-2.146		
<b>RS-EMP (018, 051)</b>				7.30							11.00	3.70
All kWh			4.142						8.517	4.375		
Load Management Water Heating			2.755						5.827	3.072		
Fuel Clause Rider			1.287						0.000	-1.287		
PPAR Rider			2.146						0.000	-2.146		
<b>RS-TOD (030)</b>				13.35							13.25	-0.10
On-Peak			7.541						13.257	5.716		
Off-Peak			2.755						5.827	3.072		
Fuel Clause Rider			1.241						0.000	-1.241		
PPAR Rider			2.146						0.000	-2.146		
<b>SGS Fixed/Measured/Non-Metered (231, 232, 233)</b>				8.80							12.60	3.80
First 600 kWh			6.792						9.284	2.492		
Over 600 kWh			5.643						8.768	3.125		
Fuel Clause Rider			1.309						0.000	-1.309		
PPAR Rider			1.723						0.000	-1.723		
<b>MGS</b>												
<u>Secondary (235)</u>	0.00			21.50	2.08						40.00	18.50
kWh equal to 200 times Kw of mo. billing dem.			7.374						9.752	2.378		
kWh in excess of 200 times kW of mo. billing dem.			3.689						7.108	3.419		
Fuel Clause Rider			1.321						0.000	-1.321		
PPAR Rider			2.040						0.000	-2.040		
<u>Primary (237)</u>	0.00			93.85	2.02						94.00	0.15
kWh equal to 200 times Kw of mo. billing dem.			6.864						9.458	2.594		
kWh in excess of 200 times kW of mo. billing dem.			3.280						6.884	3.604		
Fuel Clause Rider			1.310						0.000	-1.310		
PPAR Rider			2.040						0.000	-2.040		
<b>MGS-TOD (229) (NEW GS-TOD)</b>				23.45							40.00	16.55
On-Peak			8.847						14.015	5.168		
Off-Peak			2.755						5.789	3.034		
Fuel Clause Rider			1.297						0.000	-1.297		
PPAR Rider			2.040						0.000	-2.040		

\* Fuel and PPAR Riders charges have been rolled into base rates. Proposed rates include Tennessee Inspection Fee.

**KINGSPORT POWER COMPANY**  
**Comparison of Current and Proposed Rates**  
**Test Year Ended December 31, 2014**  
**Docket No. 15-\_\_\_\_\_**

TARIFF	CURRENT RATES				PROPOSED RATES *							
	Demand	Reactive	Energy	Customer	Demand	\$ Change	Reactive	\$ Change	Energy	\$ Change	Customer	\$ Change
(1)	\$/kW	\$/kVAR	¢/kWh	\$/mo	\$/kW	(7)=(6)-(2)	\$/kVAR	(9)=(8)-(3)	¢/kWh	(11)=(10)-(4)	\$/mo	(13)=(12)-(5)
<b>LGS</b>												
<u>Secondary (240, 242)</u>	3.79		3.869	77.85	8.31	4.52			6.278	2.409	78.00	0.15
Fuel Clause Rider			1.333						0.000	-1.333		
PPAR Rider	4.19		0.881		0.00	-4.19			0.000	-0.881		
<u>Primary (244)</u>	3.68		3.401	163.60	8.07	4.39			5.464	2.063	164.00	0.40
Fuel Clause Rider			1.297						0.000	-1.297		
PPAR Rider	4.19		0.881		0.00	-4.19			0.000	-0.881		
<u>Subtransmission (248)/Transmission (no customer)</u>	3.60		2.709	416.00	7.92	4.32			4.140	1.431	416.00	0.00
Fuel Clause Rider												
PPAR Rider												
<b>LGS-TOD (NEW)</b>												
<u>Secondary</u>					7.94						78.00	
On-Peak									8.092			
Off-Peak									4.703			
<u>Primary</u>					5.81						164.00	
On-Peak									7.839			
Off-Peak									4.587			
<u>Subtransmission/Transmission</u>					1.42						416.00	
On-Peak									7.693			
Off-Peak									4.520			
<b>IP</b>												
<u>Secondary (NEW)</u>							0.75				154.00	
On-Peak Billing Demand					21.48							
Off-Peak Excess Billing Demand					7.94							
Off-Peak Billing Demand												
All kWh									4.370			
Fuel Clause Rider												
PPAR Rider												
<u>Primary (322)</u>		0.75		240.00			0.75	0.00			240.00	0.00
On-Peak Billing Demand	8.70				16.95	8.25						
Off-Peak Excess Billing Demand	2.57				5.81							
All kWh			2.302						4.234	1.932		
Fuel Clause Rider			1.317						0.000	-1.317		
PPAR Rider	3.98		0.713		0.00	-3.98			0.000	-0.713		

\* Fuel and PPAR Riders charges have been rolled into base rates. Proposed rates include Tennessee Inspection Fee.

**KINGSPORT POWER COMPANY**  
**Comparison of Current and Proposed Rates**  
**Test Year Ended December 31, 2014**  
**Docket No. 15-\_\_\_\_\_**

<b>TARIFF</b>	<b>CURRENT RATES</b>				<b>PROPOSED RATES *</b>							
	<u>Demand</u>	<u>Reactive</u>	<u>Energy</u>	<u>Customer</u>	<u>Demand</u>	<u>\$ Change</u>	<u>Reactive</u>	<u>\$ Change</u>	<u>Energy</u>	<u>\$ Change</u>	<u>Customer</u>	<u>\$ Change</u>
(1)	\$/kW (2)	\$/kVAR (3)	¢/kWh (4)	\$/mo (5)	\$/kW (6)	(7)=(6)-(2)	\$/kVAR (8)	(9)=(8)-(3)	¢/kWh (10)	(11)=(10)-(4)	\$/mo (12)	(13)=(12)-(5)
<b>IP</b>												
<u>Subtransmission (323) (no customers)</u>		0.75		730.00			0.75	0.00			1,930.00	1,200.00
On-Peak Billing Demand	7.79				14.01	6.22						
Off-Peak Excess Billing Demand	1.61				1.42							
All kWh			2.269						4.154	1.885		
Fuel Clause Rider												
PPAR Rider												
<u>Transmission (324)</u>		0.75		1,930.00			0.75	0.00			1,930.00	0.00
On-Peak Billing Demand	7.60				14.01	6.41						
Off-Peak Excess Billing Demand	1.40				1.42							
All kWh			2.241						4.154	1.913		
Fuel Clause Rider			1.338						0.000	-1.338		
PPAR Rider	3.98		0.713		0.00	-3.98			0.000	-0.713		
<b>EHG (208, 209)</b>				25.10							25.10	0.00
All kWh			5.516						9.229	3.713		
Billing kW												
Standard each kW in excess of 30 kW	2.31				2.41	0.10						
Fuel Clause Rider			1.295						0.000	-1.295		
PPAR Rider			1.995						0.000	-1.995		
<b>CS (221)</b>				17.00							17.00	0.00
All kWh			6.213						10.081	3.868		
Fuel Clause Rider			1.281						0.000	-1.281		
PPAR Rider			2.141						0.000	-2.141		
<b>PS (640, 641, 642)</b>				28.85							28.85	0.00
All kWh			6.068						10.087	4.019		
Electric Heating			4.641						8.659	4.018		
Fuel Clause Rider			1.313						0.000	-1.313		
PPAR Rider			1.806						0.000	-1.806		

\* Fuel and PPAR Riders charges have been rolled into base rates. Proposed rates include Tennessee Inspection Fee.

**KINGSPORT POWER COMPANY**  
**Comparison of Current and Proposed Rates**  
**Test Year Ended December 31, 2014**  
**Docket No. 15-\_\_\_\_\_**

<b>TARIFF</b>	<b>CURRENT RATES</b>				<b>PROPOSED RATES *</b>							
	<u>Demand</u>	<u>Reactive</u>	<u>Energy</u>	<u>Customer</u>	<u>Demand</u>	<u>\$ Change</u>	<u>Reactive</u>	<u>\$ Change</u>	<u>Energy</u>	<u>\$ Change</u>	<u>Customer</u>	<u>\$ Change</u>
	<u>\$/kW</u>	<u>\$/kVAR</u>	<u>¢/kWh</u>	<u>\$/mo</u>	<u>\$/kW</u>	<u>(7)=(6)-(2)</u>	<u>\$/kVAR</u>	<u>(9)=(8)-(3)</u>	<u>¢/kWh</u>	<u>(11)=(10)-(4)</u>	<u>\$/mo</u>	<u>(13)=(12)-(5)</u>
(1)	(2)	(3)	(4)	(5)	(6)		(8)		(10)		(12)	
<b>OL</b>												
<u>Overhead Lighting Service</u>												
High Pressure Sodium												
100 watts, 9,500 Lumens (094)				7.10	per lamp / mth						7.90	0.80
200 watts, 22,000 Lumens (097)				10.70	per lamp / mth						11.90	1.20
Flood Lighting Service												
High Pressure Sodium - Floodlight												
100 watts, 9,500 Lumens (115)				9.05	per lamp / mth						10.05	1.00
200 watts, 22,000 Lumens (107)				11.30	per lamp / mth						12.55	1.25
400 watts, 50,000 Lumens (109)				15.70	per lamp / mth						17.45	1.75
High Pressure Sodium - Shoebox												
400 watts, 50,000 Lumens (120)				18.65	per lamp / mth						20.70	2.05
Metal Halide - Floodlight												
250 watts, 17,000 Lumens (110)												
400 watts, 28,800 Lumens (116)				13.10	per lamp / mth						14.55	1.45
				15.90	per lamp / mth						17.65	1.75
Mercury Vapor												
175 watts, 7,000 Lumens (093)				9.35	per lamp / mth						10.40	1.05
400 watts, 20,000 Lumens (095)				16.10	per lamp / mth						17.95	1.85
<b>OL</b>												
<u>Post Top Lighting Service</u>												
High Pressure Sodium - PT												
100 watts, 9,500 Lumens (111)				11.60	per lamp / mth						12.90	1.30
70 watts, 6,300 Lumens (121)				11.60	per lamp / mth						12.90	1.30
150 watts, 16,000 Lumens (122)				34.45	per lamp / mth						34.45	0.00
250 watts, 27,500 Lumens (103)				36.95	per lamp / mth						36.95	0.00
400 watts, 50,000 Lumens (104)				42.45	per lamp / mth						47.15	4.70
Flood Lighting Service - PT												
High Pressure Sodium - Floodlight												
200 watts, 22,000 Lumens (123)				32.90	per lamp / mth						36.55	3.65
400 watts, 50,000 Lumens (124)				40.05	per lamp / mth						44.45	4.40
Metal Halide - PT												
400 watts, 36,000 Lumens (125)				42.55	per lamp / mth						47.25	4.70
Metal Halide - Floodlight - PT												
400 watts, 36,000 Lumens (126)				40.10	per lamp / mth						44.55	4.45
Mercury Vapor - PT												
175 watts, 7,000 Lumens (099)				13.85	per lamp / mth						15.40	1.55
<u>Facilities Charge</u>												
Pole				7.95	per pole / mth						8.85	0.90
Span				1.40	per span / mth						1.55	0.15
Lateral				1.00	per lateral / mth						1.10	0.10

\* Fuel and PPAR Riders charges have been rolled into base rates. Proposed rates include Tennessee Inspection Fee.

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original10<sup>th</sup> Revised Sheet Number 1**

**T.R.A. Tariff Number 12**

**Cancels 9<sup>th</sup> Revised Sheet No. 1**

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**Issued: July 15, 2014**  
**By: Charles Patton, President**

**Effective: May 15, 2014**  
**Pursuant to an Order in**  
**Docket No. number 12-0012 & 12-00026**  
**& 14-00002**



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~~KINGSPORT POWER COMPANY~~ ~~1<sup>ST</sup> Revised Sheet Number 2-8~~  
~~d/b/a AEP Appalachian Power~~ ~~T.R.A. Tariff Number 1~~  
~~Kingsport, Tennessee~~ ~~Cancels Original Sheet Number 2-8~~

## **PURCHASED POWER ADJUSTMENT RIDER**

Kingsport Power is authorized under the terms of this rider to apply a surcharge to all customer bills rendered by the Company to allow for changes in the non-fuel cost of purchased power from the Company's wholesale power supplier under the Federal Energy Regulatory Commission implemented rate schedules, including, but not limited to, all demand charges and energy charges which are paid by the Company to its wholesale power supplier in connection with the electric service provided to the Company.

### 1. Calculation of Change in Non-Fuel Purchased Power Expense

The change in the Company's non-fuel purchased power expense shall be calculated according to the following formula:

$$(D_p - D_e) + (E_p - E_e)$$

where "D" is the Company's demand-related purchased power expense and "E" is the Company's non-fuel energy-related purchased power expense as calculated for a 12-month test period based on the wholesale supplier's proposed ("p") and current ("e") rates.

### 2. Allocation of Change in Non-Fuel Purchased Power Expense to Tariffs

The change in the Company's demand and non-fuel energy-related purchased power expense as determined under Section 1 of this rider shall be allocated to individual tariffs by application of the following allocation factors:

<u>Tariff</u>	<u>Demand</u>	<u>Energy</u>
	<u>Allocation</u>	<u>Allocation</u>
	<u>Factor</u>	<u>Factor</u>
	<u>%</u>	<u>%</u>
Residential Service (RS)	44.76	34.79
Small General Service (SGS)	1.00	0.99
Medium General Service (MGS)	5.11	4.20
Electric Heating General (EHG)	1.83	1.55
Church Service (CS)	0.61	0.47
Public Schools (PS)	1.62	1.52
Large General Service (LGS)	11.63	12.47
Industrial Power (IP)	33.33	43.81
Outdoor Lighting (OL)	0.11	0.20
Total	100.00	100.00

The above allocation factors are based on the demand and non-fuel energy-related purchased power expense allocators filed by the Company with the Tennessee Regulatory Authority in Docket Number 08-00213.

### 3. Determination of Surcharges by Tariff

The change in demand and non-fuel energy-related purchased power expense as allocated to each tariff under the terms of Section 2 of this rider shall be recovered by means of a demand, energy or lamp surcharge calculated according to the following formulas:

Tariffs RS, SGS, MGS, EHG, CS, and PS: (Energy only)

$$\frac{\Delta D + \Delta E}{\text{KWH}}$$

Issued: December 19, 2008 Effective January 1, 2009  
 By: Dana Waldo, President Pursuant to an Order in  
 Docket Number 08-00213

<del>KINGSPORT POWER COMPANY</del>	<del>1<sup>st</sup> Revised Sheet Number 2-9</del>
<del>d/b/a AEP Appalachian Power</del>	<del>T.R.A. Tariff Number 1</del>
<del>Kingsport, Tennessee</del>	<del>Cancels Original Sheet Number 2-9</del>

### **PURCHASED POWER ADJUSTMENT RIDER**

Tariffs LGS and IP: (Demand and Energy

Demand:

Energy:

$$\frac{1/2 \Delta D}{KW}$$

$$\frac{1/2 \Delta D + \Delta E}{KWH}$$

Tariff OL (Lamp Only)

$$\frac{\Delta D + \Delta E}{\text{Lamp months}}$$

where " $\Delta D$ " is the change in the Company's demand-related purchased power expense allocated to each tariff, " $\Delta E$ " is the change in the Company's non-fuel energy-related purchased power expense allocated to each tariff, " $KWH$ " is the previous calendar year kilowatthour sales by tariff for all tariffs, " $KW$ " is the previous calendar year kilowatt sales by tariff for all tariffs and lamp months is the lamp months for the previous calendar year.

#### 4. ~~Effective Date of Surcharge~~

The tariff surcharges as calculated in Section 3 of this rider shall be effective upon the same date as any change in the Company's wholesale supplier's tariffs is implemented by the Federal Energy Regulatory Commission.

#### 5. ~~Notification of Change in Surcharge by the Company~~

The Company will provide no less than a 30-day notice of the proposed effective date in any change in the purchased power surcharge to its customers. The Company will also provide the calculations and other information supporting the proposed purchased power surcharges to the Staff of the Tennessee Regulatory Authority 30 days prior to the effective date of such surcharge.

#### 6. ~~Refund Procedure~~

Should the change in the Company's non-fuel related purchased power expense recovered through the application of this rider exceed the level of change in non-fuel related purchased power expense ultimately approved by the Federal Energy Regulatory Commission, then the Company shall promptly notify the Tennessee Regulatory Authority of such a final Federal Energy Regulatory Commission order, recalculate the appropriate purchased power surcharges, and refund any excess non-fuel related purchased power expense recovered through this rider following the receipt of a refund from its wholesale supplier.

<del>Issued: December 19, 2008</del>	<del>Effective January 1, 2009</del>
<del>By: Dana Waldo, President</del>	<del>Pursuant to an Order in</del>
	<del>Docket Number 08-00213</del>

**KINGSPORT POWER COMPANY**  
**d/b/a AMERICAN ELECTRIC POWER**  
**Kingsport, Tennessee**

**8th Revised Sheet Number 2-10**  
**T.R.A. Tariff Number 1**  
**Cancels 7th Revised Sheet Number 2-10**

### **PURCHASED POWER ADJUSTMENT RIDER**

#### **7. Surcharge**

Pursuant to the provisions of this Rider, a Purchased Power Adjustment Rider surcharge will be applied to each kilowatt hour, kilowatt or lamp as billed under the Company's filed tariffs.

The Purchased Power Adjustment Rider surcharge applicable to each tariff is set below:

<b><u>Tariff</u></b>	<b><u>Energy Rate</u> <u>(\$)/KWH</u></b>	<b><u>Demand Rate</u> <u>(\$)/KW</u></b>	<b><u>Lamp Rate</u> <u>(\$)/Lamp</u></b>
RS	-.02146	--	--
SGS	-.01723	--	--
MGS	-.02040	--	--
EHG	-.01995	--	--
CS	-.02141	--	--
PS	-.01806	--	--
LGS	-.00881	4.19	--
IP	-.00713	3.98	--
OL	--	--	.66440

Issued: August 27, 2014  
By: Charles Patton, President

Effective: October 10, 2014  
Pursuant to an Order in  
Docket Number 08-00213

~~KINGSPORT POWER COMPANY~~  
~~d/b/a AEP Appalachian Power~~  
~~Kingsport, Tennessee~~

~~112th Revised Sheet Number 2-11~~  
~~T.R.A. Tariff Number 1~~

**FUEL CLAUSE RIDER**

~~Kingsport Power is authorized under the terms of this rider to adjust customers' bills in each applicable tariff whenever the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission Rate Schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses. Each month, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

**MONTHLY ADJUSTMENT**

Fuel Clause Adjustment ..... 4.8885 mills per kWh

<b>TARIFF</b>	<b>ENERGY CHARGE</b>	<b>FUEL ADJMT.</b>	<b>TOTAL ENERGY CHARGE</b>
R.S. Residential	4.873 ¢ / kWh	0.48885 ¢ / kWh	5.36185 ¢ / kWh
R.S. E. Employee	4.142 ¢ / kWh	0.48885 ¢ / kWh	4.63085 ¢ / kWh
R.S. L.M. T.O.D.			
On peak	7.541 ¢ / kWh	0.48885 ¢ / kWh	8.02985 ¢ / kWh
Off peak	2.755 ¢ / kWh	0.48885 ¢ / kWh	3.24385 ¢ / kWh
R.S. T.O.D. Time of Day			
On peak	7.541 ¢ / kWh	0.48885 ¢ / kWh	8.02985 ¢ / kWh
Off peak	2.755 ¢ / kWh	0.48885 ¢ / kWh	3.24385 ¢ / kWh
S.G.S. Small General Service			
1st 600 kWh	6.792 ¢ / kWh	0.48885 ¢ / kWh	7.28085 ¢ / kWh
Over 600 kWh	5.643 ¢ / kWh	0.48885 ¢ / kWh	6.13185 ¢ / kWh
S.G.S. L.M. T.O.D.			
On peak	9.293 ¢ / kWh	0.48885 ¢ / kWh	9.78185 ¢ / kWh
Off peak	2.755 ¢ / kWh	0.48885 ¢ / kWh	3.24385 ¢ / kWh
M.G.S. Medium Gen. Service			
Secondary:			
1st 200 times kW demand	7.374 ¢ / kWh	0.48885 ¢ / kWh	7.86285 ¢ / kWh
Over 200 times kW demand	3.689 ¢ / kWh	0.48885 ¢ / kWh	4.17785 ¢ / kWh
Primary:			
1st 200 times kW demand	6.864 ¢ / kWh	0.48885 ¢ / kWh	7.35285 ¢ / kWh
Over 200 times kW demand	3.280 ¢ / kWh	0.48885 ¢ / kWh	3.76885 ¢ / kWh
Load Mgmt.			
On peak	8.847 ¢ / kWh	0.48885 ¢ / kWh	9.33585 ¢ / kWh
Off peak	2.755 ¢ / kWh	0.48885 ¢ / kWh	3.24385 ¢ / kWh

~~Issued: August 3, 2015~~  
~~By: Charles Patton, President~~

~~Effective: September 2, 2015~~

~~KINGSPORT POWER COMPANY~~  
~~d/b/a AEP Appalachian Power~~  
~~Kingsport, Tennessee~~

~~112th Revised Sheet Number 2-12~~  
~~T.R.A. Tariff Number 1~~

<del>TARIFF</del>	<del>ENERGY CHARGE</del>	<del>FUEL ADJMT.</del>	<del>TOTAL ENERGY CHARGE</del>
<del>M.G.S. - Medium Gen. Service (cont'd)</del>			
<del>Time-of-Day</del>			
<del>On-peak</del>	<del>8.847 ¢ / kWh</del>	<del>0.48885 ¢ / kWh</del>	<del>9.33585 ¢ / kWh</del>
<del>Off-peak</del>	<del>2.755 ¢ / kWh</del>	<del>0.48885 ¢ / kWh</del>	<del>3.24385 ¢ / kWh</del>
<del>L.G.S. - Large Gen. Service</del>			
<del>Secondary</del>	<del>3.869 ¢ / kWh</del>	<del>0.48885 ¢ / kWh</del>	<del>4.35785 ¢ / kWh</del>
<del>Primary</del>	<del>3.401 ¢ / kWh</del>	<del>0.48885 ¢ / kWh</del>	<del>3.88985 ¢ / kWh</del>
<del>Subtransmission</del>	<del>2.709 ¢ / kWh</del>	<del>0.48885 ¢ / kWh</del>	<del>3.19785 ¢ / kWh</del>
<del>I.P. - Industrial Power</del>			
<del>Primary</del>	<del>2.302 ¢ / kWh</del>	<del>0.48885 ¢ / kWh</del>	<del>2.79085 ¢ / kWh</del>
<del>Subtransmission</del>	<del>2.269 ¢ / kWh</del>	<del>0.48885 ¢ / kWh</del>	<del>2.75785 ¢ / kWh</del>
<del>Transmission</del>	<del>2.241 ¢ / kWh</del>	<del>0.48885 ¢ / kWh</del>	<del>2.72985 ¢ / kWh</del>
<del>E.H.G. - Electric Heating General</del>	<del>5.516 ¢ / kWh</del>	<del>0.48885 ¢ / kWh</del>	<del>6.00485 ¢ / kWh</del>
<del>C.S. - Church Service</del>	<del>6.213 ¢ / kWh</del>	<del>0.48885 ¢ / kWh</del>	<del>6.70185 ¢ / kWh</del>
<del>P.S. - Public Schools</del>	<del>6.068 ¢ / kWh</del>	<del>0.48885 ¢ / kWh</del>	<del>6.55685 ¢ / kWh</del>

**KINGSPORT POWER COMPANY**  
d/b/a AEP Appalachian Power  
Kingsport, Tennessee

**1st Revision of Original Sheet Number 2-138**  
**T.R.A. Tariff Number 42**

### **TENNESSEE INSPECTION FEE RIDER**

Kingsport Power is authorized under the terms of this rider to apply a surcharge to all customer bills rendered by the Company to allow for changes in the Tennessee Inspection Fee.

The Tennessee Inspection Fee Rider shall be calculated by multiplying the customer's total bill by 0.~~30~~%.

This rider shall be a separate line on customer's bills and shall remain in effect until changed by the Tennessee Regulatory Authority.

Issued: ~~December 1, 2013~~  
By: Charles Patton, President

Effective ~~January 1, 2014~~  
Pursuant to an Order in  
Docket Number ~~10-00037~~

**KINGSPORT POWER COMPANY**  
d/b/a ~~AMERICAN ELECTRIC POWER~~ AEPAEP Appalachian Power  
Kingsport, Tennessee

~~1st Revised~~ Original Sheet Number 3  
T.R.A. Tariff Number 12  
~~Cancels Original Sheet Number 3~~

**TARIFF R. S.**  
**(Residential Electric Service)**

AVAILABILITY OF SERVICE

Available for residential electric service through one meter to individual residential customers including rural residential customers engaged principally in agricultural pursuits.

MONTHLY RATE (Tariff Code 015)

Service Charge . . . . . \$ ~~7.30~~ 11.00 per customer

Energy Charge . . . . . ~~4.8739~~ 2.48 cents per KWH

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the service charge.

FUEL CLAUSE

~~When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

LOAD MANAGEMENT WATER HEATING PROVISION (Tariff Code 011)

For residential customers who install a Company-approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at ~~2.7555~~ 2.827 cents per KWH.

This provision, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the MONTHLY RATE as set forth above.

For the purpose of this provision, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

The Company reserves the right to inspect at all reasonable times the load management water heating system and devices which qualify the residence for service under the load management water heating provision, and to ascertain by any reasonable means that the time-differentiated load characteristics of such devices meet the Company's specifications. If the Company finds that in its sole judgment the availability conditions of this provision are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the service charge as stated in the above monthly rate.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is available for single-phase residential service. Where the residential customer requests three-phase service, this tariff will apply if the residential customer pays the Company the difference between constructing single-phase service and three-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service tariff will apply to such service.



**KINGSPORT POWER COMPANY**  
d/b/a ~~AMERICAN ELECTRIC POWER~~ AEP Appalachian Power  
Kingsport, Tennessee

~~3rd Revised~~ Original Sheet Number 4  
T.R.A. Tariff Number 12  
~~Cancels 2nd Revised Sheet Number 4~~

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**TARIFF R. S.-E.**  
**(Residential Electric Service - Employee)**

AVAILABILITY OF SERVICE

Available for residential electric service through one meter to current regular and retired employees of the Company. This tariff is not available to employees hired after December 31, 2016.

MONTHLY RATE (Tariff Code 018)

Service Charge ..... \$ ~~7.30~~ 11.00 per customer

Energy Charge ..... ~~4.14~~ 28.517 cents per KWH

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the service charge.

FUEL CLAUSE

~~When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

LOAD MANAGEMENT WATER HEATING PROVISION (Tariff Code 051)

For residential customers who install a Company-approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at ~~2.75~~ 55.827 cents per KWH.

This provision, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the MONTHLY RATE as set forth above.

For the purpose of this provision, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

The Company reserves the right to inspect at all reasonable times the storage water heating system and devices which qualify the residence for service under the storage water heating provision, and to ascertain by any reasonable means that the time-differentiated load characteristics of such devices meet the Company's specifications. If the Company finds that in its sole judgment the availability conditions of this provision are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the service charge as stated in the above monthly rate.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is available for single-phase residential service. Where the residential customer requests three-phase service, this tariff will apply if the residential customer pays the Company the difference between constructing single-phase service and three-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service tariff will apply to such service.

The Tariff R. S. gross amount will apply if payment of account in full is not received by the date due.

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Issued: ~~March 24, 1997~~  
By: ~~D. Carson, Vice~~ Charles Patton, President

Effective: ~~May 1, 1997~~  
Pursuant to an Order in  
Docket Number

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 5**  
**T.R.A. Tariff Number 2**

**TARIFF R. S.-D.**  
**(Residential Demand-Metered Electric Service)**

AVAILABILITY OF SERVICE

Available for residential electric service through one single-phase multiple-register demand meter. Availability is limited to the first 250 customers applying for service under this tariff. This limitation does not apply to Tariff N.M.S.-2 customers.

MONTHLY RATE (Tariff Code \_\_\_\_)

Service Charge . . . . . \$ 11.00 per customer

Energy Charge. . . . . 3.826 cents per KWH

Demand Charge. . . . . \$9.44 for each KW of monthly billing demand

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand.

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND

Energy supplied hereunder will be delivered through not more than one single-phase meter. The billing demand in kW will be taken each month as the single highest 15-minute demand integrated peak in kilowatts as registered during the month.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is available for single-phase residential service. Where the residential customer requests three-phase service, this tariff will apply if the residential customer pays the Company the difference between constructing single-phase service and three-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service tariff will apply to such service.

Issued:  
By: Charles Patton, President

Effective:  
Pursuant to an Order in  
Docket Number

**KINGSPORT POWER COMPANY**  
**Kingsport, Tennessee**

**Original Sheet Number 5-1**  
**T.P.S.C. Tariff Number 1**

**TARIFF R. S. — L. M. — T. O. D.**  
**(Residential Load Management Time Of Day Electric Service)**

**AVAILABILITY OF SERVICE**

Available to residential customers who use energy storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space heating and/or cooling systems and water heaters which consume electrical energy only during off-peak hours specified by the Company and store energy for use during on-peak hours.

Households eligible to be served under this Tariff shall be metered through one single-phase multiple-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods.

**MONTHLY RATE (Tariff Code 032)**

Service Charge ..... \$ 13.35 per customer

Energy Charge:

For all KWH used during the on-peak billing period ..... 7.541 cents per KWH

For all KWH used during the off-peak billing period ..... 2.755 cents per KWH

For the purpose of this Tariff, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

**CONSERVATION AND LOAD MANAGEMENT CREDIT**

For the combination of an approved electric thermal storage space heating and/or cooling system and water heater, all of which are designed to consume electrical energy only during the off-peak billing period as previously described in this tariff, each residence will be credited 0.937 cents per KWH for all KWH used during the off-peak billing period, for a total of 60 monthly billing periods following the installation and use of these devices in such residence.

**MINIMUM CHARGE**

This tariff is subject to a minimum monthly charge equal to the service charge.

**FUEL CLAUSE**

When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**SEPARATE METERING PROVISION**

Customers shall have the option of receiving service under the R.S. or R.S.-E tariff for general use load by separately wiring such load to a standard residential meter.

**TERM OF CONTRACT**

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

**KINGSPORT POWER COMPANY**  
**Kingsport, Tennessee**

**Original Sheet Number 5-2**  
**T.P.S.C. Tariff Number 1**

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**~~TARIFF R. S. - L. M. - T. O. D.~~**  
**~~(Residential Load Management Time Of Day Electric Service)~~**

**SPECIAL TERMS AND CONDITIONS**

~~This tariff is subject to the Company's Terms and Conditions of Service.~~

~~The Company reserves the right to inspect at all reasonable times the energy storage devices which qualify the residence for service and for conservation and load management credits under this Tariff, and to ascertain by any reasonable means that the time-differentiated load characteristics of such devices meet the Company's specifications. If the Company finds, that in its sole judgment the availability conditions of this Tariff are being violated, it may discontinue billing the customer under this Tariff and commence billing under the appropriate Residential Service Tariff.~~

~~This tariff is available for single-phase residential service. Where the residential customer requests three-phase service, this tariff will apply if the residential customer pays to the Company the difference between constructing single-phase service and three-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service tariff will apply to such service.~~

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~~Issued: October 30, 1992~~  
~~By: Michael J. Holzaepfel, President~~  
~~Kingsport, Tennessee~~

~~Effective: November 3, 1992~~  
~~Pursuant to an Order in~~  
~~Docket Number 92-04425~~

**KINGSPORT POWER COMPANY**  
d/b/a AEP, Appalachian Power  
Kingsport, Tennessee

**Original Sheet Number 6**  
**T.~~R.A.P.S.C.~~ Tariff Number ~~42~~**

**TARIFF R.S.-T.O.D.**  
**(Residential Time-of-Day Electric Service)**

AVAILABILITY OF SERVICE

Available for residential electric service through one single-phase multiple-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods to individual residential customers. Availability is limited to the first 250 customers applying for service under this tariff.

MONTHLY RATE

Service Charge ..... \$ ~~13.35~~13.25 per customer

Energy Charge:

Tariff Code 030 For all KWH used during the on-peak billing period . . . ~~7.54~~13.257 cents per KWH

Tariff Code 031 For all KWH used during the off-peak billing period . . . ~~2.7555~~8.27 cents per KWH

For the purpose of this tariff, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the service charge.

FUEL CLAUSE

~~When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is intended for single-phase residential service. Where the residential customer requests three-phase service, this tariff will apply if the residential customer pays to the Company the difference between constructing single-phase service and three-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service tariff will apply to such service.

Issued: ~~October 30, 1992~~  
 By: ~~Michael J. Holzaepfel~~Charles Patton, President  
Kingsport, Tennessee

Effective: ~~November 3, 1992~~  
 Pursuant to an Order in  
 Docket Number ~~92-04425~~

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 7**  
**T.R.A.P.S.C. Tariff Number ~~42~~**

**TARIFF S. G. S.**  
**(Small General Service)**

AVAILABILITY OF SERVICE

Available for general service to customers with normal maximum demands of less than 10 KW ~~(excluding the demand served under the Load Management Time-of-Day provision).~~

MONTHLY RATE (Tariff Codes 231-233)

Service Charge ..... \$ ~~8.80~~12.60 per customer

Energy Charge:

For the first 600 KWH used per month ..... ~~6.7929~~284 cents per KWH

For all over 600 KWH used per month ..... ~~5.6438~~768 cents per KWH

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the service charge.

FUEL CLAUSE

~~When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

~~LOAD MANAGEMENT TIME OF DAY PROVISION~~

~~Available to customers who use energy storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space heating and/or cooling systems and water heaters, which consume electrical energy only during off peak hours specified by the Company and store energy for use during on peak hours.~~

~~Customers who desire to separately wire their load management load to a time-of-day meter and their general use load to a standard meter shall receive service for both under the appropriate provisions of this tariff.~~

~~The customer shall be responsible for all local facilities required to take service under this provision.~~

Monthly Rate

~~Tariff~~ ~~Service Charge~~ ..... ~~\$ 14.85~~ per customer  
~~Code 225~~

Energy Charge:

~~For all KWH used during the on-peak billing period ..... 9.293 cents per KWH~~

~~For all KWH used during the off-peak billing period ..... 2.755 cents per KWH~~

~~For the purpose of this tariff, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.~~

Issued: ~~October 30, 1992~~  
By: ~~Michael J. Holzaepfel~~Charles Patton, President  
~~Kingsport, Tennessee~~

Effective: ~~November 3, 1992~~  
Pursuant to an Order in  
Docket Number ~~92-04425~~

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 8-1**  
**T.R.A.P.S.C. Tariff Number 42**

**TARIFF M. G. S.**  
**(Medium General Service)**

AVAILABILITY OF SERVICE

Available for general service customers with normal maximum demands of 10 KW or greater. Service is not available for new customers with normal maximum demands in excess of 100 KW. Customers receiving service under Tariff S.G.S. prior to ~~the effective date of this tariff~~ June 3, 1987 with demands in excess of 100 KW may continue to qualify for service under this tariff until such time as their normal maximum demand exceeds the existing contract capacity.

MONTHLY RATE

	<u>Service Voltage</u>	
<u>Tariff Code</u>	<u>Secondary</u> <u>(235) Tariff Code</u>	<u>Primary</u> <u>(237)</u>
<u>Service Charge</u>		
Per Customer .....	<u>\$21,5040.00</u>	<u>\$93,8594.00</u>
<u>Energy Charge:</u>		
For all KWH equal to the first 200 times the KW of monthly billing demand .....	<u>7.3749.752</u> cents	<u>6.8649.458</u> cents
For all KWH in excess of 200 times the KW of monthly billing demand .....	<u>3.6897.108</u> cents	<u>3.2806.884</u> cents
<u>Demand Charge:</u>		
<u>Per KW</u> .....		

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand.

FUEL CLAUSE

~~When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND

Energy supplied hereunder will be delivered through not more than one single-phase and/or one poly-phase meter. The billing demand in KW shall be taken each month as the single highest 15-minute integrated peak in kilowatts as registered during the month by a demand meter or indicator, or at the Company's option, as the highest registration of a thermal type demand meter or indicator. Where energy is delivered through two meters, the monthly billing demand will be taken as the sum of the two demands separately determined. For the purpose of billing, no demand shall be taken as less than 6 KW.

METERED VOLTAGE

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss compensating equipment, the use of formulas and KW to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH and KW values will be adjusted for billing purposes. If the Company elects to adjust KWH and KW based on multipliers, the adjustment shall be in accordance with the following:

- (1) Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
- (2) Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

Issued: October 30, 1992  
By: Michael J. Holzaepfel Charles Patton, President  
Kingsport, Tennessee

Effective: November 3, 1992  
Pursuant to an Order in  
Docket Number 92-04425

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 8-2**  
**T.R.A.P.S.C. Tariff Number ~~12~~**

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**TARIFF M. G. S.**  
**(Medium General Service)**

**TERM OF CONTRACT**

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of electric energy supply. Where such conditions exist, the customer shall contract for the maximum amount of demand in KW which the Company might be required to furnish, but not less than 10 KW nor more than 100 KW. The Company shall not be obligated to supply demands in excess of that contracted for. In the event that the customer's actual demand, as determined by demand meter or indicator, in any month exceeds the amount of the customer's then existing contract demand, the contract demand shall then be increased automatically to the maximum demand so created by the customer. Where service is supplied under the provisions of this paragraph, the billing demand defined under paragraph ~~A~~ "Measurement of Energy and Determination of Demand" shall not be less than the Contract Demand and the minimum charge shall be as follows instead of the minimum charge set forth under paragraph A ~~Minimum Charge~~ above:

~~Service Charge~~ ..... ~~\$ 21.50 per customer~~

~~Each KW of Contract Demand~~ ..... ~~\$ 3.69 per KW~~

**LOAD MANAGEMENT TIME OF DAY PROVISION**

~~Available to customers who use energy storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space heating and/or cooling systems and water heaters, which consume electrical energy only during off peak hours specified by the Company and store energy for use during on peak hours.~~

~~Customers who desire to separately wire their load management load to a time of day meter and their general use load to a standard meter shall receive service for both under the appropriate provisions of this tariff.~~

~~The customer shall be responsible for all local facilities required to take service under this provision.~~

**MONTHLY RATE**

~~Tariff~~ ~~Service Charge~~ ..... ~~\$ 23.45 per customer~~

~~Code~~ ~~Energy Charge~~:

~~223~~ ..... ~~For all KWH used during the on-peak billing period~~ ..... ~~8.847 cents per KWH~~

..... ~~For all KWH used during the off-peak billing period~~ ..... ~~2.755 cents per KWH~~

~~For the purpose of this provision, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time, for all weekdays Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.~~



**KINGSPORT POWER COMPANY**  
d/b/a ~~AMERICAN ELECTRIC POWER~~ AEP Appalachian Power  
Kingsport, Tennessee

~~1st Revised Original~~ Sheet Number 9  
T.R.A. Tariff Number ~~12~~  
~~Cancels Original Sheet Number 9~~

**TARIFF ~~M.G.S.-T.O.D.~~**  
**(~~Medium~~ General Service - Time-of-Day)**

AVAILABILITY OF SERVICE

Available for general service customers with demands greater than 10 KW but less than ~~300~~100 KW. Current customers with demands in excess of 100 KW will continue to receive service under this tariff. Availability is limited to the first 100 customers applying for service under this tariff.

MONTHLY RATE (Tariff Code 229)

Service Charge . . . . . \$~~23.45~~40.00 per customer

Energy Charge:

For all KWH used during the on-peak billing period . . . . . ~~8.847~~14.015 cents per KWH

For all KWH used during the off-peak billing period. . . . . ~~2.7555~~7.789 cents per KWH

For the purpose of this tariff, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the service charge.

FUEL CLAUSE

~~When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

METERED VOLTAGE

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH values will be adjusted for billing purposes. If the Company elects to adjust KWH based on multipliers, the adjustment shall be 0.98 when measurements are taken at the high-side of a Company-owned transformer.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

Issued:  
By: ~~R. D. Carson, Vice~~ Charles Patton, President

Effective: February 1, 1998  
Pursuant to an Order in  
Docket Number 97-07649

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 9-1**  
**T.R.A. Tariff Number 2**

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**TARIFF S.G.S.-D.**  
**(Small General Service-Demand Metered)**

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**AVAILABILITY OF SERVICE**

Available only to general service customers who receive service under Tariff N.M.S.-2.

**MONTHLY RATE (Tariff Code \_\_\_\_)**

Service Charge . . . . . \$ 20.20 per customer

Energy Charge. . . . . 3.791 cents per KWH

Demand Charge. . . . . \$15.10 for each KW of monthly billing demand

**MINIMUM CHARGE**

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND**

Energy supplied hereunder will be delivered through not more than one single-phase and/or one poly-phase meter. The billing demand in KW will be taken each month as the single highest 15-minute integrated peak in KW as registered during the month by a demand meter or indicator.

**TERM OF CONTRACT**

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

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Issued:  
By: Charles Patton, President

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Effective:  
Pursuant to an Order in  
Docket Number

KINGSPORT POWER COMPANY  
d/b/a AEP Appalachian Power  
Kingsport, Tennessee

Original Sheet Number 10-1  
T.R.A. Tariff Number ~~12~~

**TARIFF L. G. S.**  
**(Large General Service)**

AVAILABILITY OF SERVICE

Available for general service customers with normal maximum demands greater than 100 KVA but less than 3,000 KVA.

MONTHLY RATE

<u>Tariff Code</u>	<u>Service Voltage</u>	<u>Demand Charge per KVA</u>	<u>Energy Charge per KWH</u>	<u>Service Charge</u>
240-242	Secondary	\$ <del>3.798.31</del>	<del>3.8696.278</del> cents	\$ <del>77.8578.00</del>
244-246	Primary	\$ <del>3.688.07</del>	<del>3.4015.464</del> cents	\$ <del>163.60164.00</del>
248	Subtransmission/ <u>Transmission</u>	\$ <del>3.607.92</del>	<del>2.7094.140</del> cents	\$416.00

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand ~~and the fuel clause adjustment~~.

FUEL CLAUSE

~~When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND

Energy supplied hereunder will be delivered through not more than one single-phase and/or one poly-phase meter. Billing demand in KVA shall be taken each month as the single highest 15-minute integrated peak in KW as registered during the month by 15-minute integrating demand meter or indicator, or at the Company's option as the highest registration of a thermal type demand meter or indicator, divided by the average monthly power factor established during the month, corrected to the nearest KVA. Where energy is delivered through two meters, the billing demand will be taken as the sum of the two demands separately determined. Monthly billing demand established hereunder shall not be less than 60 percent of the greater of (a) the customer's contract capacity, (b) the customer's highest previously established monthly billing demand during the past 11 months or (c) 100 KVA. If more than 50 percent of the customer's connected load is for electric space heating purposes, the minimum monthly billing demand will be 25 percent of the greater of (a) the customer's contract capacity, (b) the customer's highest previously established monthly billing demand during the past 11 months or (c) 100 KVA for the billing months of April through September.

ADJUSTMENTS TO RATE

~~Bills computed under the rate set forth herein will be adjusted as follows:~~

~~A. Power Factor~~

~~The rate set forth in this tariff is subject to power factor based upon the maintenance by the customer of an average monthly power factor of 85% leading or lagging as measured by integrating meters. When the average monthly power factor is above or below 85%, leading or lagging, the KWH as metered will, for billing purposes, be multiplied by the constant, rounded to the nearest 0.001, derived from the following formula:~~

Issued: October 30, 1992  
By: Michael J. Holzaepfel Charles Patton, President  
Kingsport, Tennessee

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 10-2**  
**T.R.A.P.S.C. Tariff Number 42**

**TARIFF L. G. S.**  
**(Large General Service)**

$$\text{Constant} = 0.9510 + \left( 0.1275 \left( \frac{\text{RKVAH}}{\text{KWH}} \right)^2 \right)$$

**B-METERED VOLTAGE** — ~~Metered Voltage~~

The rates set forth in this Tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH and KVA values will be adjusted for billing purposes. If the Company elects to adjust KWH and KVA based on multipliers, the adjustment shall be in accordance with the following:

1. Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
2. Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

**TERM OF CONTRACT**

For customers with annual average demands greater than 500 KVA, contracts will be required for an initial period of not less than 1 year and shall remain in effect thereafter until either party shall give at least 6 months' prior written notice to the other of the intention to discontinue service under the terms of this tariff. For customers with demands less than 500 KVA, a written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

Where new Company facilities are required, the Company reserves the right to require initial contracts for periods greater than 1 year for all customers served under this tariff.

A new initial contract period will not be required for existing customers who increase their contract requirements after the original initial period unless new or additional facilities are required.

The Company shall not be required to supply capacity in excess of that contracted for except by mutual agreement.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of energy who desire to purchase standby or back-up service from the Company. Where such service is required, the customer can either take service under Tariff S.B.S. or under the provisions of this paragraph. The customer shall contract for the maximum amount of demand in KVA which the Company might be required to furnish, but not less than 100 KVA nor more than 3,000 KVA. The Company shall not be obligated to supply demands in excess of that contracted for. Where service is supplied under the provisions of this paragraph, the billing demand each month shall be the highest determined for the current and previous two billing periods, and the minimum monthly charge shall be as set forth under paragraph "Minimum Charge" above.

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 10-3**  
**T.R.A. Tariff Number 2**

**TARIFF L. G. S.-T.O.D.**  
**(Large General Service – Time-of-Day)**

**AVAILABILITY OF SERVICE**

Available for general service customers with normal maximum demands greater than 100 KVA but less than 3,000 KVA.

**MONTHLY RATE**

<u>Tariff</u>	<u>Service</u>	<u>Demand</u>	<u>On-peak</u>	<u>Off-peak</u>	<u>Service</u>
<u>Code</u>	<u>Voltage</u>	<u>Charge</u>	<u>Energy Charge</u>	<u>Energy Charge</u>	<u>Charge</u>
		<u>per KVA</u>	<u>per KWH</u>	<u>per KWH</u>	
	<u>Secondary</u>	<u>\$ 7.94</u>	<u>8.092 cents</u>	<u>4.703 cents</u>	<u>\$ 78.00</u>
	<u>Primary</u>	<u>\$ 5.81</u>	<u>7.839 cents</u>	<u>4.587 cents</u>	<u>\$164.00</u>
	<u>Subtransmission/Transmission</u>	<u>\$ 1.42</u>	<u>7.693 cents</u>	<u>4.520 cents</u>	<u>\$416.00</u>

For the purpose of this tariff, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

**MINIMUM CHARGE**

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND**

Energy supplied hereunder will be delivered through not more than one single-phase and/or one poly-phase meter. Billing demand in KVA shall be taken each month as the single highest 15-minute integrated peak in KW as registered during the month by 15-minute integrating demand meter or indicator, or at the Company's option as the highest registration of a thermal type demand meter or indicator, divided by the average monthly power factor established during the month, corrected to the nearest KVA. Where energy is delivered through two meters, the billing demand will be taken as the sum of the two demands separately determined. Monthly billing demand established hereunder shall not be less than 60 percent of the greater of (a) the customer's contract capacity, (b) the customer's highest previously established monthly billing demand during the past 11 months or (c) 100 KVA. If more than 50 percent of the customer's connected load is for electric space heating purposes, the minimum monthly billing demand will be 25 percent of the greater of (a) the customer's contract capacity, (b) the customer's highest previously established monthly billing demand during the past 11 months or (c) 100 KVA for the billing months of April through September.

**METERED VOLTAGE**

The rates set forth in this Tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH and KVA values will be adjusted for billing purposes. If the Company elects to adjust KWH and KVA based on multipliers, the adjustment shall be in accordance with the following:

1. Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
2. Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

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By: Charles Patton, President

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KINGSPORT POWER COMPANY  
d/b/a AEP Appalachian Power  
Kingsport, Tennessee

Original Sheet Number 10-4  
T.R.A. Tariff Number 2

TARIFF L. G. S.-T.O.D.  
(Large General Service – Time-of-Day)

TERM OF CONTRACT

For customers with annual average demands greater than 500 KVA, contracts will be required for an initial period of not less than 1 year and shall remain in effect thereafter until either party shall give at least 6 months' prior written notice to the other of the intention to discontinue service under the terms of this tariff. For customers with demands less than 500 KVA, a written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

Where new Company facilities are required, the Company reserves the right to require initial contracts for periods greater than 1 year for all customers served under this tariff.

A new initial contract period will not be required for existing customers who increase their contract requirements after the original initial period unless new or additional facilities are required.

The Company shall not be required to supply capacity in excess of that contracted for except by mutual agreement.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of energy who desire to purchase standby or back-up service from the Company. Where such service is required, the customer can either take service under Tariff S.B.S. or under the provisions of this paragraph. The customer shall contract for the maximum amount of demand in KVA which the Company might be required to furnish, but not less than 100 KVA nor more than 3,000 KVA. The Company shall not be obligated to supply demands in excess of that contracted for. Where service is supplied under the provisions of this paragraph, the billing demand each month shall be the highest determined for the current and previous two billing periods, and the minimum monthly charge shall be as set forth under paragraph "Minimum Charge" above.

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By: Charles Patton, President

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**KINGSPORT POWER COMPANY**  
d/b/a ~~AMERICAN ELECTRIC POWER~~ AEP Appalachian Power  
Kingsport, Tennessee

~~1st Revised Original~~ Sheet Number 11-1  
T.R.A. Tariff Number ~~12~~  
~~Cancels Original Sheet No. 11-1~~

**TARIFF I.P.**  
**(Industrial Power)**

AVAILABILITY OF SERVICE

Available to industrial and large commercial customers. Customers shall contract for a definite amount of electrical capacity in KW which shall be sufficient to meet normal maximum requirements but in no case shall the capacity contracted for be less than 3,000 KW. Contract capacities will be specified in multiples of 100 KW.

MONTHLY RATE

Tariff Code	Service Voltage	Demand Charge per KW	Off-Peak Excess Demand Charge per KW	Energy Charge per KWH	Service Charge
<del>327</del>	<del>Secondary</del>	<del>\$21.48</del>	<del>\$7.94</del>	<del>4.370 cents</del>	<del>\$154.00</del>
322	Primary	\$8.7016.95	\$2.575.81	2.3024.234 cents	\$240.00
323, <del>324</del>	Subtransmission/ <u>Transmission</u>	<del>\$7.79</del> 14.01	<del>\$1.61</del> 1.42	<del>2.269</del> 4.154 cents	<del>\$730.00</del> 1,930.00
<del>324</del>	<del>Transmission</del>	<del>\$7.60</del>	<del>\$1.40</del>	<del>2.241 cents</del>	<del>\$1,930.00</del>

Reactive Demand Charge for each Kilovar of Lagging Reactive Demand  
in excess of 50 percent of the KW of monthly metered demand . . . . . \$0.75 per KVAR

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the sum of the service charge, and the product of the demand charge and the monthly billing demand ~~and the fuel clause adjustment.~~

FUEL CLAUSE

~~When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

DETERMINATION OF DEMAND

The billing demand in KW shall be taken each month as the single highest 30-minute integrated peak in KW as registered during the on-peak period by a demand meter or indicator. The monthly billing demand so established shall in no event be less than 60% of the greater of (a) the customer's contract capacity or (b) the customer's highest previously established monthly billing demand during the past 11 months nor less than 3,000 KW. The off-peak excess demand shall be the amount by which the demand created during the off-peak period exceeds the monthly billing demand.

The reactive demand in KVARs shall be taken each month as the single highest 30-minute integrated peak in KVARs as registered during the month by a demand meter or indicator, or, at the Company's option, as the highest registration of a thermal type demand meter or indicator.

For the purpose of this provision, the on-peak billing period is defined as 6 a.m. to 9 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9 p.m. to 6 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

METERED VOLTAGE

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH and KW values will be adjusted for billing purposes. If the Company elects to adjust KWH and KW based on multipliers, the adjustment shall be in accordance with the following:

1. Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
2. Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

Issued:  
By: ~~R. D. Carson, Vice President~~ Charles Patton, President  
Kingsport, Tennessee

Effective: ~~For Bills Rendered On and After December 22, 1997.~~  
Pursuant to an order in  
Docket Number 97-01417

**KINGSPORT POWER COMPANY**  
d/b/a ~~AMERICAN ELECTRIC POWER~~ AEP Appalachian Power  
Kingsport, Tennessee

~~1st Revised~~ Original Sheet Number 11-2  
T.R.A. Tariff Number ~~12~~  
~~Cancels Original Sheet No. 11-2~~

**TARIFF I.P.**  
**(Industrial Power)**

TERM OF CONTRACT

Contracts under this tariff will be made for an initial period of not less than 5 years and shall remain in effect thereafter until either party shall give at least 12 months' written notice to the other of the intention to discontinue service under the terms of this tariff. Where new Company facilities are required, the Company reserves the right to require initial contracts for periods of greater than 5 years.

A new initial contract period will not be required for existing customers who increase their contract requirements after the original initial period unless new or additional facilities are required.

The Company shall not be required to supply capacity in excess of that contracted for except by mutual agreement.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of energy who desire to purchase standby or back-up service from the Company. Where such service is required, the customer can either take service under Tariff S.B.S. or under the provisions of this paragraph. The customer shall contract for the maximum amount of demand in KW which the Company might be required to furnish, but not less than 3,000 KW. The Company shall not be obligated to supply demands in excess of that contracted for. Where service is supplied under the provisions of this paragraph, the billing demand each month shall be the highest determined for the current and previous two billing periods, and the minimum monthly charge shall be as set forth under paragraph "Minimum Charge" above.

~~Customers having other sources of energy who desire to purchase standby or back-up service from the Company may also purchase such service under Special Contract with the Company.~~

A customer's plant is considered as one or more buildings which are served by a single electrical distribution system provided and operated by customer. When the size of the customer's load necessitates the delivery of energy to the customer's plant over more than one circuit, the Company may elect to connect its circuits to different points on the customer's system irrespective of contrary provisions in Terms and Conditions of Service.

Issued:  
By: ~~R. D. Carson, Vice~~ Charles Patton, President  
Kingsport, Tennessee

Effective: ~~For Bills Rendered On and~~  
~~After December 22, 1997.~~  
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Docket Number 97-01417



**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 12**  
**T.~~R.A.P.S.C.~~ Tariff Number ~~12~~**

**TARIFF E. H. G.**  
**(Electric Heating General)**

AVAILABILITY OF SERVICE

Available for the total requirements of general service customers who operate electric heating equipment which supplies the entire space heating requirements of the customer's premises.

MONTHLY RATE (Tariff Codes 208-209)

Service Charge . . . . . \$ 25.10 per customer

Energy Charge . . . . . ~~5.5169~~ 2.29 cents per KWH

Demand Charge . . . . . \$ ~~2.31~~ 2.41 for each KW of monthly billing  
demand in excess of 30 KW.

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the sum of the service charge ~~and~~ the product of the demand charge and the monthly billing demand ~~and the fuel clause adjustment~~.

FUEL CLAUSE

~~When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND

Energy supplied hereunder will be delivered through not more than one single-phase and/or one poly-phase meter. The billing demand will be taken monthly to be the highest registration of a thermal type demand meter. Where energy is delivered through two meters, the monthly billing demand will be taken as the sum of the two demands separately determined.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is available only at premises where at least 50 percent of the electrical load is located inside of buildings which are electrically heated.

When church buildings are electrically heated and are served through a separate meter and billed separately, the above energy rate applies, but there shall be no demand charge.

Issued: ~~October 30, 1992~~  
By: ~~Michael J. Holzaepfel~~ Charles Patton, President  
~~Kingsport, Tennessee~~

Effective: ~~November 3, 1992~~  
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Docket Number ~~92-04425~~

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 13**  
**T.~~R.A.P.S.C.~~ Tariff Number ~~42~~**

**TARIFF C. S.**  
**(Church Service)**

AVAILABILITY OF SERVICE

Available for service to churches. This tariff is available for the supply of service to church buildings, that is, to buildings whose primary purpose is to provide a place of worship; but is not available to other buildings which might be owned or operated by churches, such as residences, dormitories, parochial or other church schools, which generally operate throughout the week.

MONTHLY RATE (Tariff Code 221)

Service Charge . . . . . \$17.00 per customer

Energy Charge . . . . . ~~6.213~~10.081 cents per KWH

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the service charge.

FUEL CLAUSE

~~When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

Issued: ~~October 30, 1992~~  
 By: ~~Michael J. Holzaepfel~~Charles Patton, President  
Kingsport, Tennessee

Effective: ~~November 3, 1992~~  
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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 14**  
**T.R.A.P.S.C. Tariff Number 12**

**TARIFF P. S.**  
**(Public Schools)**

AVAILABILITY OF SERVICE

Available to public schools wholly supported by public taxation purchasing their entire requirements for electric service from the Company.

MONTHLY RATE (Tariff Code 640)

Service Charge ..... \$28.85 per customer  
Energy Charge ..... ~~6.068~~10.087 cents per KWH

ELECTRIC HEATING

Where an entire school building, or an addition thereto, is heated 100 percent electrically, KWH in excess of 500 KWH per month multiplied by the number of classrooms in the entire school will be billed at the rate of ~~4.6418~~6.659 cents per KWH subject to a Minimum Charge equal to the monthly service charge. (Tariff Code 641)

Where every energy requirement, including, but not limited to heating, cooling, and water heating, of an individual school building or an addition to an existing school building is supplied by electricity furnished by the Company, all energy for that building or addition shall be billed at ~~4.6418~~6.659 cents per KWH subject to a Minimum Charge equal to the monthly service charge. (Tariff Code 642)

The term "classroom", for the purpose of determining billing under this provision, shall be defined as any room used regularly for the instruction of pupils, including but not limited to general classrooms, industrial shops, domestic science rooms, music rooms, kindergartens and laboratories. Customer shall furnish Company upon request information necessary to establish the number of classrooms to be used for billing purposes hereunder.

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the service charge.

FUEL CLAUSE

~~When the unit cost of fuel in the charges for power purchased from Appalachian Power Company under Federal Energy Regulatory Commission rate schedule No. 23 is above or below a base unit price of 15.8563 mills per KWH, adjusted for losses, the bill for service shall be increased or decreased respectively at a rate per KWH equal to the amount that such cost of fuel is above or below the unit base cost of 15.8563 mills per KWH, adjusted for losses, applied to the KWH measured in the period for which the bill is rendered. The adjustment shall be based on the most recent calendar month for which fuel cost data is available.~~

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

MEASUREMENT OF ENERGY

Energy supplied hereunder will be delivered through not more than 1 single-phase and/or 1 poly-phase meter.

METERED VOLTAGE ADJUSTMENT

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH values will be adjusted for billing purposes. If the Company elects to adjust KWH based on multipliers, the adjustment shall be in accordance with the following:

1. Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
2. Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

TERM OF CONTRACT

A written contract, may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

Issued: ~~October 30, 1992~~  
 By: ~~Michael J. Holzaepfel~~Charles Patton, President  
 Kingsport, Tennessee

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KINGSPORT POWER COMPANY  
d/b/a AEP Appalachian Power  
Kingsport, Tennessee

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**TARIFF E.O.P.**

**Emergency Operating Plan**

Maintained on file with the T.R.A. is the current Emergency Operating Plan (E.O.P.) which is updated periodically as circumstances dictate.

Issued: March 7, 1997  
By: Charles Patton, President

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KINGSPORT POWER COMPANY  
d/b/a ~~AMERICAN ELECTRIC POWER~~ AEP Appalachian Power  
Kingsport, Tennessee

~~1st Revised~~ Original Sheet Number 16-1  
T.R.A. Tariff Number ~~12~~  
~~Cancels Original Sheet Number 16-1~~

**TARIFF O. L.  
(Outdoor Lighting)**

AVAILABILITY OF SERVICE

Available for outdoor lighting to individual customers except that no light shall be installed on streets covered by municipal street lighting systems or at a location which might interfere with such system.

MONTHLY RATE

OVERHEAD LIGHTING SERVICE

- A. For each lamp with luminaire and an upsweep arm not over 6 feet in length, controlled by a photo-electric relay, where service is supplied from an existing pole and secondary facilities of the Company:

Tariff Code	Size of Lamp in Lumens	<u>Nominal Lamp Wattage</u>	Lamp Type	Rate Per Lamp Per Month
094	9,500	<u>100</u>	High Pressure Sodium	\$ <del>7.40</del> <u>7.90</u>
097	22,000	<u>200</u>	High Pressure Sodium	\$ <del>10.70</del> <u>11.90</u>
115	9,500	<u>100</u>	High Pressure Sodium Floodlight	\$ <del>9.05</del> <u>10.05</u>
107	22,000	<u>200</u>	High Pressure Sodium Floodlight	\$ <del>11.30</del> <u>12.55</u>
109	50,000	<u>400</u>	High Pressure Sodium Floodlight	\$ <del>15.70</del> <u>17.45</u>
120	50,000	<u>400</u>	High Pressure Sodium Shoebox Fixture	\$ <del>18.65</del> <u>20.70</u>
110	17,000	<u>250</u>	Metal Halide Floodlight	\$ <del>13.40</del> <u>14.55</u>
116	28,800	<u>400</u>	Metal Halide Floodlight	\$ <del>15.90</del> <u>17.65</u>

When service cannot be supplied from an existing pole of the Company carrying a secondary circuit, the Company will install one pole and one span of secondary circuit of not over 150 feet for an additional charge of \$ ~~7.95~~ 8.85 per month or one span of secondary circuit only of not over 150 feet for an additional charge of \$ ~~1.40~~ 1.55 per month.

When facilities other than those specified above are to be installed by the Company, the customer will, in addition to the above monthly charge or charges, pay in advance the installation cost for the new overhead facilities extending from the nearest or most suitable pole of the Company to the point designated by the customer for the installation of said lamp.

High pressure sodium and metal halide lamps will be available for new installations only.

- B. After January 1, 1983 Mercury Vapor outdoor lighting service will be available only to customers then being served at the rates set out herein and at the present service location.

KINGSPORT POWER COMPANY  
d/b/a ~~AMERICAN ELECTRIC POWER~~ AEP Appalachian Power  
Kingsport, Tennessee

~~1st Revised~~ Original Sheet Number 16-2  
T.R.A. Tariff Number ~~12~~  
~~Cancels Original Sheet Number 16-2~~

**TARIFF O. L.**  
**(Outdoor Lighting)**

Tariff Code	Size of Lamp in Lumens	<u>Nominal Lamp Wattage</u>	Lamp Type	Rate Per Lamp Per Month
093	7,000	<u>175</u>	Mercury Vapor	<del>\$9.35</del> <u>10.40</u>
095	20,000	<u>400</u>	Mercury Vapor	<del>\$16.10</del> <u>17.95</u>

POST-TOP LIGHTING SERVICE

- A. The Company will provide lamp, photo-electric relay control, post-top luminaire, post, and installation, including underground wiring, for a distance of 30 feet from the Company's existing secondary circuits.

Tariff Code	Size of Lamp in Lumens	<u>Nominal Lamp Wattage</u>	Lamp Type	<u>Post Size (Feet)</u>	Rate Per Lamp Per Month
111	9,500	<u>100</u>	High Pressure Sodium	<del>12</del>	<del>\$11.60</del> <u>12.90</u>
<del>121</del>	<del>6,300</del>		<del>High Pressure Sodium</del>	<del>10</del>	<del>\$11.60</del>
122	16,000	<u>150</u>	High Pressure Sodium	<del>24</del>	\$34.45
103	27,500	<u>250</u>	High Pressure Sodium	<del>30</del>	\$36.95
123	22,000	<u>200</u>	High Pressure Sodium Floodlight	<del>30</del>	<del>\$32.90</del> <u>36.55</u>
<del>104</del>	<del>50,000</del>		<del>High Pressure Sodium</del>	<del>33</del>	<del>\$42.45</del>
124	50,000	<u>400</u>	High Pressure Sodium Floodlight	<del>33</del>	<del>\$40.05</del> <u>44.45</u>
<del>125</del>	<del>36,000</del>		<del>Metal Halide</del>	<del>33</del>	<del>\$42.55</del>
126	36,000	<u>400</u>	Metal Halide Floodlight	<del>33</del>	<del>\$40.10</del> <u>44.55</u>

~~After January 1, 1983 Post-Top mercury vapor lighting service will be available only to customers then being served at the rates set out herein and at the present service location.~~

~~099                      7,000                      —Mercury Vapor—                      12                      \$13.85~~

- B. When a customer requires an underground circuit longer than 30 feet for post-top lighting service the customer may:
- (1) Pay to the Company in advance a charge of ~~\$2.55~~ 5.62 per foot for the length of underground circuit in excess of 30 feet; or
  - (2) Pay a monthly facilities charge of ~~\$1.00~~ 1.10 for each 25 feet (or fraction thereof) of underground circuit in excess of 30 feet.

Fixtures and poles will be standard utility grade secured from the Company's normal suppliers. The Company will be the sole judge of the suitability of the types of fixtures and poles used.

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

Issued:  
By: ~~R. D. Carson, Vice~~ Charles Patton, President

Effective: ~~February 1, 1998~~  
Pursuant to an Order in  
Docket Number 97-07649

**KINGSPORT POWER COMPANY**  
d/b/a ~~AMERICAN ELECTRIC POWER~~ **AEPAEP Appalachian Power**  
Kingsport, Tennessee

Original Sheet Number 16-3  
T.R.A. Tariff Number ~~12~~

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**TARIFF O. L.**  
**(Outdoor Lighting)**

TERM OF CONTRACT

Contracts under this tariff will be for not less than 1 year for residential or farm customers, not less than 3 years for commercial or industrial customers, or not less than 5 years for other customers. The Company reserves the right to include in the contract such other provisions as it may deem necessary to insure payment of bills throughout the term of the contract.

HOURS OF LIGHTING

All lamps shall burn from one-half hour after sunset until one-half hour before sunrise, every night and all night, or approximately 4,000 hours per annum.

OWNERSHIP OF FACILITIES

All facilities necessary for service including fixtures, controls, poles, transformers, secondaries, lamps and other appurtenances shall be owned and maintained by the Company. All service and necessary maintenance will be performed only during the regular scheduled working hours of the Company. Burned out lamps will normally be replaced within 48 hours after notification by the customer.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

In cases where the Company is requested to replace an existing mercury vapor lamp with a high pressure sodium or metal halide lamp, the right is reserved to charge the customer an amount commensurate with the cost involved.

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Issued:  
By: ~~R. D. Carson, Vice~~ Charles Patton, President

Effective: ~~February 1, 1998~~  
Pursuant to an Order in  
Docket Number ~~97-07649~~

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-1**  
**T.R.A. Tariff Number ~~12~~**

**TARIFF N.M.S.**  
**(Net Metering Service Rider)**

**AVAILABILITY OF SERVICE**

Available for new or existing Customers who operate an eligible renewable fuel generator designed to operate in parallel with the Company's system and who request Net Metering Service (NMS) from the Company. NMS Customers must take service under Tariff R.S., Tariff S.G.S., Tariff M.G.S.-Secondary, or Tariff P.S. NMS is limited to those customers who do not utilize time-of-day energy charge provisions. Tariff N.M.S. is closed to new customers effective January 1, 2017.

The total capacity of all NMS Customers shall be limited to 1% of the Company's Tennessee peak load forecast ("Renewable Generator Limit"), and shall be available to customers with eligible renewable fuel generators on a first come, first serve basis. Customer's may not take service under this tariff and simultaneously take service under any alternative co-generation agreement.

**DEFINITIONS**

The following terms shall solely be used to define the applicability of Schedule N.M.S.

"Billing Period Credit" means the quantity of electricity generated and fed back into the electric grid by the customer's renewable fuel generator in excess of the electricity supplied to the customer over the billing period.

"Excess Generation" means the amount of electricity generated by the renewable fuel generator in excess of the electricity consumed by the customer over the course of the net metering period.

"Net Metering Customer (Customer)" means a customer owning and operating, or contracting with other persons to own or operate, or both, a renewable fuel generator under a net metering service arrangement.

"Net Metering Service" means providing retail electric service to a customer operating a renewable fuel generator and measuring the difference, over the net metering period between electricity supplied to the customer from the electric grid and the electricity generated and fed back to the electric grid.

"Person" means any individual, corporation, partnership, association, company, business, trust, joint venture, or other private legal entity and the State or any municipality.

"RF Generator" is an electrical generating facility which complies with all of the following requirements:

- (a) has an alternating current capacity less than or equal to 10 KW for customers taking service under Schedule R.S.;
- (b) uses solar, wind or hydro energy as its total fuel source;
- (c) the Net Metering Customer's facility is located on the customer's premises and is connected to the customer's wiring on the customer's side of its interconnection with the distributor;
- (d) is designed and installed to operate in parallel with the Company's system without adversely affecting the operation of equipment and service of the Company and its customers and without presenting safety hazards to the Company and Customer personnel; and
- (e) is intended primarily to offset all or part of the customer's own electricity requirements.



**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-2**  
**T.R.A. Tariff Number ~~12~~**

**TARIFF N.M.S.**  
**(Net Metering Service Rider)**

**CONDITIONS OF SERVICE**

**A. Notification**

1. For a renewable fuel generator with an alternating current capacity of 25 KW or less, the customer shall submit the required Company Interconnection Notification Form to the Company at least thirty (30) days prior to the date the customer intends to interconnect the renewable fuel generator to the Company's facilities. For a renewable fuel generator with an alternating current capacity greater than 25 KW, the customer shall submit the required Interconnection Notification Form to the Company at least sixty (60) days prior to the date the customer intends to interconnect the renewable fuel generator to the Company's facilities. The submission may either be directly to the Company or by registered mail with return receipt. All sections, including appropriate signatures, of the Interconnection Notification Form must be completed for the notification to be valid. The customer shall have all equipment necessary to complete the interconnection prior to such notification. For renewable fuel generators with capacities greater than 25 KW, the customer should contact the Company prior to making financial commitments. If mailed, the date of notification shall be the third day following the mailing of the Interconnection Form. The Company shall provide a copy of the Interconnection Notification Form to the customer upon request.
2. The Company shall, within thirty (30) days of the date of notification for RF Generators with a rated capacity of 25 KW or less, and within sixty (60) days of the date of notification for RF Generators with a rated capacity greater than 25 KW, either return to the customer a copy of the valid Interconnection Notification Form or return any incomplete form. If the Company determines that the Interconnection Notification Form is incomplete or that any of the other requirements for interconnection are not satisfied, the customer shall submit another completed Interconnection Notification Form and notify the Company once the customer has completed all work necessary to satisfy the deficiencies prior to interconnection. This notification requirement shall not replace or supersede any other applicable waiting period, or required interconnection authorization when other applicable law, rule, regulation or code would permit authorization to be withheld or delayed.
3. The Net Metering Customer shall immediately notify the electric distribution company of any changes in the ownership of, operational responsibility for, or contact information for the generator. The Net Metering Customer shall not assign this tariff or any part hereof without the prior written consent of the Company, and such authorized assignment may result in the termination of availability of tariff to Customer.

**B. Conditions of Interconnection**

1. RF Generator equipment shall be installed in accordance with the manufacturer's specifications as well as all applicable provisions of the National Electrical Code. Renewable fuel generator equipment and installations shall comply with all applicable safety and performance standards of the National Electrical Code, the Institute of Electrical and Electronic Engineers and accredited testing laboratories in accordance with IEEE Standard 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems, July 2003, and safety and performance standards established by local and national electrical codes including, the Institute of Electrical and Electronics Engineers, the National Electrical Safety Code, and Underwriters Laboratories. Customer's renewable fuel generator equipment and installations shall also comply with the Company's Interconnection Guidelines. The Company shall provide a copy of its Interconnection Guidelines to the customer upon request.
2. The Customer shall obtain any governmental authorizations and permits required for the construction and operation of the RF Generator facility and interconnection facilities.

Issued: ~~June 1, 2011~~  
By: Charles Patton, President

Effective: ~~August 2, 2011~~  
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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-3**  
**T.R.A. Tariff Number ~~12~~**

**TARIFF N.M.S.**  
**(Net Metering Service Rider)**

**CONDITIONS OF SERVICE (Cont'd)**

3. In the case of renewable fuel generators with an alternating current capacity greater than 25 KW, the following requirements shall be met before interconnection may occur:
- a. Electric Distribution Facilities and Customer Impact Limitations. A renewable fuel generator shall not be permitted to interconnect to the Company's distribution facilities if the interconnection would reasonably lead to damage of any of the Company's facilities or would reasonably lead to voltage regulation or power quality problems at other customer revenue meters due to the incremental effect of the Company's electric distribution system, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.
  - b. Secondary Service and Service Entrance Limitations. The capacity of the RF Generator shall be less than the capacity of the Company-owned secondary, service, and service entrance cable connected to the point of interconnection, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.
  - c. Transformer Loading Limitations. The RF Generator shall not have the ability to overload the Company's transformer, or any transformer winding, beyond manufacturer or nameplate ratings, unless the customer reimburses the Company for its costs to modify any facilities needed to accommodate the interconnection.
  - d. Integration With Company Facilities Grounding. The grounding scheme of the renewable fuel generator shall comply with IEEE 1547, Standard for Interconnecting Distributed Resources With Electric Power Systems, July 2003, and shall be consistent with the grounding scheme used by the Company. If requested by a prospective net metering customer, the Company shall assist the customer in selecting a grounding scheme the coordinates with the Company's distribution system.
  - e. Balance Limitation. The RF Generator shall not create a voltage imbalance of more than 3.0% at any other customer's revenue meter if the Company's transformer, with the secondary connected to the point of interconnection, is a three-phase transformer, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.
4. The customer shall provide a copy of its insurance policy to the Company. If the customer's renewable fuel generator does not exceed 10 KW, then such coverage shall be an amount of at least \$100,000 ~~per claim for the liability of the insured against loss arising out of the use of a generation facility~~. If the customer's renewable fuel generator exceeds 10 KW, then such coverage shall be an amount of at least \$300,000 ~~per claim for the liability of the insured against loss arising out of the use of a generation facility~~. The customer must submit evidence of such insurance to the Company with the Interconnection Notification Form.
- The Company's receipt of evidence of liability insurance does not imply an endorsement of the terms and conditions of the coverage.
- Neither party assumes any responsibility of any kind with respect to the construction, maintenance, or operation of the system or other property owned or used by the other party. The Customer agrees that the Company shall not be liable for any claims, costs, losses, suits or judgments for damages to any Person or property in any way resulting from, growing out of, or arising in or in connection with the use of, or contact with, energy delivered after it is delivered to Customer and while it is flowing through the lines of Customer, or is being distributed by Customer, or is being used by retail load.
5. Following Notification by the Customer, the Company shall have the right to inspect and test the RF Generator equipment and installation prior to interconnection. The nature and extent of these tests shall be determined solely by the Company. The Company reserves the right to conduct additional tests and inspections and to install additional equipment or meters at any time following interconnection of the RF Generator. The Customer shall not commence parallel operation of the RF Generator until the facility has been approved by the Company. Notwithstanding the foregoing, the Company's approval to operate the facility in parallel with the Company's system should not be construed as an endorsement, confirmation, warranty, guarantee, or representation concerning the safety, operating characteristics, durability of reliability of the RF Generator.

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-4**  
**T.R.A. Tariff Number ~~12~~**

**TARIFF N.M.S.**  
**(Net Metering Service Rider)**

6. The RF Generator installation must have a visibly open, lockable, manual disconnect switch which is accessible by the Company at all hours and clearly labeled. A licensed certified technician must certify via the Interconnection Notification Form that the disconnection switch has been installed properly. The Company reserves the right to install any additional equipment, including controls and meters, at the facility.
7. The Customer shall periodically maintain and test the RF Generator in accordance with the manufacturer's specifications and all applicable safety and performance standards. The Customer shall notify the Company at least fourteen (14) days prior to making any material changes to the renewable fuel generator facility or installation, including, but not necessarily limited to, any modification to the equipment or protective equipment settings or disconnection of the RF Generator from the Company's system, excluding temporary disconnects for routine maintenance. Modifications or changes made to the RF Generator shall be evaluated by the Company prior to being made. The Customer shall provide detailed information describing the modifications of changes to the Company in writing prior to making the modification the RF Generator. The Company shall review the proposed changes to the RF Generator and provide the results of its evaluation to the Customer within sixty (60) days of receipt of the Customer's proposal. Any items that would prevent parallel operation due to violation of applicable safety standards and/or power generation limits shall be explained along with a description of the modifications necessary to remedy violations. Following a notification of disconnection of the renewable fuel generator, the customer must again complete the Notification process specified above prior to any subsequent reconnection.  
  
In addition, the customer shall notify the Company immediately regarding either any damage to the RF Generator facility or safety-related emergency disconnections.
8. The Company may enter the Customer's premises to inspect the Customer's protective devices and read or test the meter. The Company may disconnect the interconnection facilities without notice if the Company reasonably believes a hazardous condition exists and such immediate action is necessary to protect persons, or the Company's facilities, or property of others from damage or interference caused by the Customer's facilities.
9. Interconnection authorization is not transferable or assignable to other persons or service locations.

**C. Other**

1. The Company shall not be obligated to accept energy from the Customer and may require Customer to interrupt or reduce delivery of energy, when necessary, in order to construct, install, repair, replace, remove, investigate, or inspect any of the Company's equipment or part of its system; or if it reasonably determines that curtailment, interruption, or reduction is necessary because of emergencies, forced outage, force majeure, or compliance with prudent electrical practices. Whenever possible, the Company shall give the Customer reasonable notice of the possibility that interruption or reduction of deliveries may be required. Notwithstanding any other provision of this tariff, if at any time the Company reasonably determines that either the Renewable fuel generator facility may endanger the Company's personnel or other persons or property, or the continued operation of the RF Generator may endanger the integrity of safety of the Company's system, the Company shall reserve the right to disconnect and lock out the RF Generator from the Company's system. The RF Generator shall remain disconnected until such time as the Company is reasonably satisfied that the conditions referenced in this section have been satisfied.
2. To the fullest extent permitted by law, neither customer nor company, nor their respective officers, directors, agents, and employees members parents or affiliates, successors or assigns, or their respective officers directors, agents, nor employees successors or assigns shall be liable to the other party or their respective members, parents, subsidiaries, affiliates, officers, directors, agents employees successors or assigns, for claims ,suits, actions or causes of action for incidental, indirect, special, punitive ,multiple, or consequential damages connected with or resulting from performance or non-performance of such agreement , or any actions undertaken in connection with or related to this agreement, including without limitation, any such damages which are based upon causes of action for breach of contract, tort (including negligence and misrepresentation), breach of warranty, strict liability, statute, operation of law under any indemnity provision or any other theory of recovery. The obligor's liability shall be limited to direct damages only, and such direct damages shall be the sole and exclusive measure of damages and all other judicial remedies or damages are waived. The provisions of this section shall apply regardless of fault and shall survive termination, cancellation, suspension, completion or expiration of this agreement. Notwithstanding anything in this section to the contrary, any provisions of this section will not apply to the extent it is finally determined by a court of competent jurisdiction, including appellate review if pursued, to violate the laws of the Constitution of the State of Tennessee.

Issued: ~~June 1, 2011~~  
By: Charles Patton, President

Effective: ~~August 2, 2011~~  
Pursuant to an Order in  
Docket Number ~~11-00111~~

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-5**  
**T.R.A. Tariff Number ~~12~~**

**TARIFF N.M.S.**  
**(Net Metering Service Rider)**

**FACILITIES CHARGES**

The customer is responsible for all equipment and installation costs of the renewable fuel generator facility.

The Company shall inspect the inverter settings of a static inverter-connected renewable fuel generator prior to interconnection. The customer shall pay \$50 to the Company for each generator that requires inspection.

The Company shall inspect the protective equipment settings of a non-static inverter-connected renewable fuel generator prior to interconnection. The customer shall pay \$50 to the Company for each generator that requires inspection.

The customer shall pay to the Company any additional charges, as determined by the Company, for equipment, labor, metering, testing or inspections requested by the customer.

**METERING**

Net metered energy shall be measured in accordance with standard metering practices by metering equipment capable of measuring (but not necessarily displaying) power flow in both directions.

In instances where a Net Metering Customer has requested, and where the electric distribution company would not have otherwise installed, metering equipment, the Company may charge the Net Metering Customer its actual cost of installing any additional equipment necessary to implement Net Metering Service.

**MONTHLY CHARGES**

All monthly charges shall be in accordance with the Schedule under which the customer takes service. Such charges shall be based on the customer's net energy for the billing period, to the extent that the net energy exceeds zero. To the extent that a customer's net energy is zero or negative during the billing period, the customer shall pay only the non-usage sensitive charges of the Schedule. The customer shall receive no compensation from the Company for Excess Generation during the billing period. The Excess Generation during the billing period shall be carried forward and credited against positive energy usage in subsequent billing periods.

The Net Metering Period shall be defined as each successive 12-month period beginning with the first meter reading date following the date of interconnection of the RF Generator with the Company's facilities. Any Excess Generation at the end of a Net Metering Period shall be carried forward to the next Net Metering Period only to the extent that the Excess Generation does not exceed the customer's billed consumption for the current net metering period, adjusted to exclude accumulated billing credit carried forward and applied from the previous net metering Period.

Excess generation is not transferable, and the Customer, shall receive no compensation from the Company for any Excess generation upon termination of service from the Company.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-6**  
**T.R.A. Tariff Number 2**

**TARIFF N.M.S.-2**  
**(Net Metering Service Rider 2)**

**AVAILABILITY OF SERVICE**

Available for new or existing Customers who operate an eligible renewable fuel generator designed to operate in parallel with the Company's system and who request Net Metering Service (NMS) from the Company. Residential N.M.S. Customers must take service under Tariff R.S.-D to receive N.M.S. Non-residential N.M.S. Customers must be taking service under Tariff S.G.S., Tariff M.G.S.-Secondary, or Tariff P.S. and change to service under Tariff S.G.S.-D. to receive N.M.S.

The total capacity of all NMS Customers shall be limited to 1% of the Company's Tennessee peak load forecast ("Renewable Generator Limit"), and shall be available to customers with eligible renewable fuel generators on a first come, first serve basis. Customer's may not take service under this tariff and simultaneously take service under any alternative co-generation agreement.

**DEFINITIONS**

The following terms shall solely be used to define the applicability of Tariff N.M.S.

"Billing Period Credit" means the quantity of electricity generated and fed back into the electric grid by the customer's renewable fuel generator in excess of the electricity supplied to the customer over the billing period.

"Excess Generation" means the amount of electricity generated by the renewable fuel generator in excess of the electricity consumed by the customer over the course of the net metering period.

"Net Metering Customer (Customer)" means a customer owning and operating, or contracting with other persons to own or operate, or both, a renewable fuel generator under a net metering service arrangement.

"Net Metering Service" means providing retail electric service to a customer operating a renewable fuel generator and measuring the difference, over the net metering period between electricity supplied to the customer from the electric grid and the electricity generated and fed back to the electric grid.

"Person" means any individual, corporation, partnership, association, company, business, trust, joint venture, or other private legal entity and the State or any municipality.

"RF Generator" is an electrical generating facility which complies with all of the following requirements:

- (a) has an alternating current capacity less than or equal to 10 KW for customers taking service under Tariff R.S.-D;
- (b) uses solar, wind or hydro energy as its total fuel source;
- (c) the Net Metering Customer's facility is located on the customer's premises and is connected to the customer's wiring on the customer's side of it's interconnection with the distributor;
- (d) is designed and installed to operate in parallel with the Company's system without adversely affecting the operation of equipment and service of the Company and its customers and without presenting safety hazards to the Company and Customer personnel; and
- (e) is intended primarily to offset all or part of the customer's own electricity requirements.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-7**  
**T.R.A. Tariff Number 2**

**TARIFF N.M.S.-2**  
**(Net Metering Service Rider 2)**

**CONDITIONS OF SERVICE**

**A. Notification**

1. For a renewable fuel generator with an alternating current capacity of 25 KW or less, the customer shall submit the required Company Interconnection Notification Form to the Company at least thirty (30) days prior to the date the customer intends to interconnect the renewable fuel generator to the Company's facilities. For a renewable fuel generator with an alternating current capacity greater than 25 KW, the customer shall submit the required Interconnection Notification Form to the Company at least sixty (60) days prior to the date the customer intends to interconnect the renewable fuel generator to the Company's facilities. The submission may either be directly to the Company or by registered mail with return receipt. All sections, including appropriate signatures, of the Interconnection Notification Form must be completed for the notification to be valid. The customer shall have all equipment necessary to complete the interconnection prior to such notification. For renewable fuel generators with capacities greater than 25 KW, the customer should contact the Company prior to making financial commitments. If mailed, the date of notification shall be the third day following the mailing of the Interconnection Form. The Company shall provide a copy of the Interconnection Notification Form to the customer upon request
2. The Company shall, within thirty (30) days of the date of notification for RF Generators with a rated capacity of 25 KW or less, and within sixty (60) days of the date of notification for RF Generators with a rated capacity greater than 25 KW, either return to the customer a copy of the valid Interconnection Notification Form or return any incomplete form. If the Company determines that the Interconnection Notification Form is incomplete or that any of the other requirements for interconnection are not satisfied, the customer shall submit another completed Interconnection Notification Form and notify the Company once the customer has completed all work necessary to satisfy the deficiencies prior to interconnection. This notification requirement shall not replace or supersede any other applicable waiting period or required interconnection authorization when other applicable law, rule, regulation or code would permit authorization to be withheld or delayed.
3. The Net Metering Customer shall immediately notify the electric distribution company of any changes in the ownership of, operational responsibility for, or contact information for the generator. The Net Metering Customer shall not assign this tariff or any part hereof without the prior written consent of the Company, and such authorized assignment may result in the termination of availability of tariff to Customer.

**B. Conditions of Interconnection**

1. RF Generator equipment shall be installed in accordance with the manufacturer's specifications as well as all applicable provisions of the National Electrical Code. Renewable fuel generator equipment and installations shall comply with all applicable safety and performance standards of the National Electrical Code, the Institute of Electrical and Electronic Engineers and accredited testing laboratories in accordance with IEEE Standard 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems, July 2003, and safety and performance standards established by local and national electrical codes including, the institute of Electrical and Electronics Engineers, the National Electrical Safety Code, and Underwriters Laboratories.. Customer's renewable fuel generator equipment and installations shall also comply with the Company's Interconnection Guidelines. The Company shall provide a copy of its Interconnection Guidelines to the customer upon request.
2. The Customer shall obtain any governmental authorizations and permits required for the construction and operation of the RF Generator facility and interconnection facilities.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-8**  
**T.R.A. Tariff Number 2**

**TARIFF N.M.S.-2**  
**(Net Metering Service Rider 2)**

**CONDITIONS OF SERVICE (Cont'd)**

3. In the case of renewable fuel generators with an alternating current capacity greater than 25 KW, the following requirements shall be met before interconnection may occur:

- a. Electric Distribution Facilities and Customer Impact Limitations. A renewable fuel generator shall not be permitted to interconnect to the Company's distribution facilities if the interconnection would reasonably lead to damage of any of the Company's facilities or would reasonably lead to voltage regulation or power quality problems at other customer revenue meters due to the incremental effect of the Company's electric distribution system, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.
- c. Secondary, Service and Service Entrance Limitations. The capacity of the RF Generator shall be less than the capacity of the Company-owned secondary, service, and service entrance cable connected to the point of interconnection, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.
- c. Transformer Loading Limitations. The RF Generator shall not have the ability to overload the Company's transformer, or any transformer winding, beyond manufacturer or nameplate ratings, unless the customer reimburses the Company for its costs to modify any facilities needed to accommodate the interconnection.
- d. Integration With Company Facilities Grounding. The grounding scheme of the renewable fuel generator shall comply with IEEE 1547, Standard for Interconnecting Distributed Resources With Electric Power Systems, July 2003, and shall be consistent with the grounding scheme used by the Company. If requested by a prospective net metering customer, the Company shall assist the customer in selecting a grounding scheme the coordinates with the Company's distribution system.
- e. Balance Limitation. The RF Generator shall not create a voltage imbalance of more than 3.0% at any other customer's revenue meter if the Company's transformer, with the secondary connected to the point of interconnection, is a three-phase transformer, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.

4. The customer shall provide a copy of its insurance policy to the Company. If the customer's renewable fuel generator does not exceed 10 KW, then such coverage shall be an amount of at least \$100,000 for the liability of the insured against loss arising out of the use of a generation facility. If the customer's renewable fuel generator exceeds 10 KW, then such coverage shall be an amount of at least \$300,000 for the liability of the insured against loss arising out of the use of a generation facility. The customer must submit evidence of such insurance to the Company with the Interconnection Notification Form.

The Company's receipt of evidence of liability insurance does not imply an endorsement of the terms and conditions of the coverage.

Neither party assumes any responsibility of any kind with respect to the construction, maintenance, or operation of the system or other property owned or used by the other party. The Customer agrees that the Company shall not be liable for any claims, costs, losses, suits or judgments for damages to any Person or property in any way resulting from, growing out of, or arising in or in connection with the use of, or contact with, energy delivered after it is delivered to Customer and while it is flowing through the lines of Customer, or is being distributed by Customer, or is being used by retail load.

5. Following Notification by the Customer, the Company shall have the right to inspect and test the RF Generator equipment and installation prior to interconnection. The nature and extent of these tests shall be determined solely by the Company. The Company reserves the right to conduct additional tests and inspections and to install additional equipment or meters at any time following interconnection of the RF Generator. The Customer shall not commence parallel operation of the RF Generator until the facility has been approved by the Company. Notwithstanding the foregoing, the Company's approval to operate the facility in parallel with the Company's system should not be construed as an endorsement, confirmation, warranty, guarantee, or representation concerning the safety, operating characteristics, durability of reliability of the RF Generator.

Issued:  
By: Charles Patton, President

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Pursuant to an Order in  
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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-9**  
**T.R.A. Tariff Number 2**

**TARIFF N.M.S.-2**  
**(Net Metering Service Rider 2)**

6. The RF Generator installation must have a visibly open, lockable, and manual disconnect switch which is accessible by the Company at all hours and clearly labeled. A licensed certified technician must certify via the Interconnection Notification Form that the disconnection switch has been installed properly. The Company reserves the right to install any additional equipment, including controls and meters, at the facility.
7. The Customer shall periodically maintain and test the RF Generator in accordance with the manufacturer's specifications and all applicable safety and performance standards. The Customer shall notify the Company at least fourteen (14) days prior to making any material changes to the renewable fuel generator facility or installation, including, but not necessarily limited to, any modification to the equipment or protective equipment settings or disconnection of the RF Generator from the Company's system, excluding temporary disconnects for routine maintenance. Modifications or changes made to the RF Generator shall be evaluated by the Company prior to being made. The Customer shall provide detailed information describing the modifications of changes to the Company in writing prior to making the modification the RF Generator. The Company shall review the proposed changes to the RF Generator and provide the results of its evaluation to the Customer within sixty (60) days of receipt of the Customer's proposal. Any items that would prevent parallel operation due to violation of applicable safety standards and/or power generation limits shall be explained along with a description of the modifications necessary to remedy violations. Following a notification of disconnection of the renewable fuel generator, the customer must again complete the Notification process specified above prior to any subsequent reconnection.
- In addition, the customer shall notify the Company immediately regarding either any damage to the RF Generator facility or safety-related emergency disconnections.
8. The Company may enter the Customer's premises to inspect the Customer's protective devices and read or test the meter. The Company may disconnect the interconnection facilities without notice if the Company reasonably believes a hazardous condition exists and such immediate action is necessary to protect persons, or the Company's facilities, or property of others from damage or interference caused by the Customer's facilities.
9. Interconnection authorization is not transferable or assignable to other persons or service locations.

**C. Other**

1. The Company shall not be obligated to accept energy from the Customer and may require Customer to interrupt or reduce delivery of energy, when necessary, in order to construct, install, repair, replace, remove, investigate, or inspect any of the Company's equipment or part of its system; or if it reasonably determines that curtailment, interruption, or reduction is necessary because of emergencies, forced outage, force majeure, or compliance with prudent electrical practices. Whenever possible, the Company shall give the Customer reasonable notice of the possibility that interruption or reduction of deliveries may be required. Notwithstanding any other provision of this tariff, if at any time the Company reasonably determines that either the Renewable fuel generator facility may endanger the Company's personnel or other persons or property, or the continued operation of the RF Generator may endanger the integrity of safety of the Company's system, the Company shall reserve the right to disconnect and lock out the RF Generator from the Company's system. The RF Generator shall remain disconnected until such time as the Company is reasonably satisfied that the conditions referenced in this section have been satisfied.

2. To the fullest extent permitted by law, neither customer nor company, nor their respective officers, directors, agents, and employees members parents or affiliates, successors or assigns, or their respective officers directors, agents, nor employees successors or assigns shall be liable to the other party or their respective members, parents, subsidiaries, affiliates, officers, directors, agents employees successors or assigns, for claims, suits, actions or causes of action for incidental, indirect, special, punitive, multiple, or consequential damages connected with or resulting from performance or non-performance of such agreement, or any actions undertaken in connection with or related to this agreement, including without limitation, any such damages which are based upon causes of action for breach of contract, tort (including negligence and misrepresentation), breach of warranty, strict liability, statute, operation of law under any indemnity provision or any other theory of recovery. The obligor's liability shall be limited to direct damages only, and such direct damages shall be the sole and exclusive measure of damages and all other judicial remedies or damages are waived. The provisions of this section shall apply regardless of fault and shall survive termination, cancellation, suspension, completion or expiration of this agreement. Notwithstanding anything in this section to the contrary, any provisions of this section will not apply to the extent it is finally determined by a court of competent jurisdiction, including appellate review if pursued, to violate the laws of the Constitution of the State of Tennessee.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-10**  
**T.R.A. Tariff Number 2**

**TARIFF N.M.S.-2**  
**(Net Metering Service Rider 2)**

**FACILITIES CHARGES**

The customer is responsible for all equipment and installation costs of the renewable fuel generator facility.

The Company shall inspect the inverter settings of a static inverter-connected renewable fuel generator with capacity in excess of 10 KW prior to interconnection. The customer shall pay \$50 to the Company for each generator that requires inspection.

The Company shall inspect the protective equipment settings of a non-static inverter-connected renewable fuel generator prior to interconnection. The customer shall pay \$50 to the Company for each generator that requires inspection.

The customer shall pay to the Company any additional charges, as determined by the Company, for equipment, labor, metering, testing or inspections requested by the customer.

**METERING**

Net metered energy shall be measured in accordance with standard metering practices by metering equipment capable of measuring (but not necessarily displaying) power flow in both directions.

In instances where a Net Metering Customer has requested, and where the electric distribution company would not have otherwise installed, metering equipment, the Company may charge the Net Metering Customer its actual cost of installing any additional equipment necessary to implement Net Metering Service.

**MONTHLY CHARGES**

All monthly charges shall be in accordance with Tariff R.S.-D. or S.G.S.-D. under which the customer takes service. Such charges shall be based on the customer's net energy for the billing period, to the extent that the net energy exceeds zero. To the extent that a customer's net energy is zero or negative during the billing period, the customer shall pay only the non-usage sensitive charges of the Tariff. The customer shall receive no compensation from the Company for Excess Generation during the billing period. The Excess Generation during the billing period shall be carried forward and credited against positive energy usage in subsequent billing periods.

The Net Metering Period shall be defined as each successive 12-month period beginning with the first meter reading date following the date of interconnection of the RF Generator with the Company's facilities. Any Excess Generation at the end of a Net Metering Period shall be carried forward to the next Net Metering Period only to the extent that the Excess Generation does not exceed the customer's billed consumption for the current net metering period, adjusted to exclude accumulated billing period credit carried forward and applied from the previous net metering period.

Excess generation is not transferable, and the Customer, shall receive no compensation from the Company for any Excess generation upon termination of service from the Company.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet ~~Number~~ 18-1**  
**T.R.A. Tariff Number ~~12~~**

**TARIFF RTODR**  
**(Regional Transmission Organization Demand Response Rider)**

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**AVAILABILITY OF SERVICE**

Non-residential customers may participate in any regional transmission organization (RTO) demand response programs directly or through a third party Curtailment Service Provider (CSP), including all emergency, economic and ancillary programs, except as specifically provided herein. PJM Interconnection, LLC (PJM) is the Company's RTO. Consistent with current RTO rules, customers may qualify to act as their own CSP.

This Tariff shall apply to customers and CSPs that qualify for the RTO emergency (capacity) demand response program, and any successors to that program. This Tariff shall only apply during RTO delivery years for which the Fixed Resource Requirement (FRR) Alternative of the RTO Reliability Pricing Model (RPM) is applicable to the Company. RTO delivery years begin on June 1 and end on May 31. The Company shall notify all registered CSPs within 5 business days of any change in the Company's status as part of the FRR Alternative.

This Tariff is available for at least 35 MWs of emergency demand response from customers in the Company's Tennessee service territory that qualify for the RTO emergency demand response program, on a first-nominated by March 1 of each year, first-served basis. The Company reserves the right, but is not required, to purchase MWs of emergency demand response in excess of 35 MW. There is no limitation on the amount of demand response that can participate in economic, ancillary or other RTO demand response programs.

**CONDITIONS OF SERVICE**

- (1) The Terms and Conditions of RTO demand response programs are subject to change, from time to time, as approved by the Federal Energy Regulatory Commission.
- (2) The customer is ultimately responsible for compliance with the terms and conditions of the RTO demand response program and the terms of any contract(s) between the customer and a CSP.
- (3) All notifications to customer regarding the demand response program will be directly from the RTO or CSP.
- (4) All charges, credits and payments to customer under the demand response program will be directly from the CSP.
- (5) The customer or CSP shall provide advance notice to the Company of any test scheduled for purposes of compliance with the RTO demand response program of which it has received advance notice.
- (6) The customer must provide written authorization to the Company before any customer specific information will be released to a CSP.
- (7) Upon request of the customer or CSP, the Company will provide interval and/or pulse metering. The Company will work with customers and CSPs to install interval and/or pulse metering in a timely fashion. The incremental cost of any such metering shall be borne by the customer or CSP, and will be based upon the Company's costs of such metering.
- (8) CSP's must comply with all requirements of the RTO and have on file with the Tennessee Regulatory Authority a current CSP registration form.
- (9) **NO RESPONSIBILITY OR LIABILITY OF ANY KIND SHALL ATTACH TO OR BE INCURRED BY THE COMPANY OR THE AEP SYSTEM FOR, OR ON ACCOUNT OF, ANY LOSS, COST, EXPENSE, OR DAMAGE CAUSED BY OR RESULTING FROM, EITHER DIRECTLY OR INDIRECTLY, ANY DEMAND RESPONSE UNDER THE PROVISIONS OF THIS TARIFF.**

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet ~~Number~~ 18-2**  
**T.R.A. Tariff Number ~~12~~**

**TARIFF RTODR**  
**(Regional Transmission Organization Demand Response Rider)**

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**CSP CONTRACT FOR EMERGENCY DEMAND RESPONSE CAPACITY (Contract)**

CSPs and customers acting as their own CSP that participate in an RTO emergency demand response program shall enter into a Contract with the Company. A CSP will have a single Contract with the Company for the aggregate emergency demand response capacity associated with customers of the Company. Such Contract will provide for the transfer/assignment of the nominated amount of RTO emergency demand response capacity to the Company so that the Company may use such capacity to meet its RTO FRR obligations. For purposes of this Tariff, an RTO emergency demand response program shall be any RTO demand response program that meets the RTO's requirements to be considered a capacity resource under the RTO Reliability Pricing Model.

By January 15 of each year, such CSPs and customers acting as their own CSP shall provide a non binding forecast of the amount of emergency demand response capacity expected to be provided for each of the following four (4) RTO delivery years. Such forecast shall be prepared on a good faith basis to be as accurate as reasonably possible to allow the Company to rely upon the projected resources to meet its FRR commitment and incorporate such capacity in its FRR capacity plan.

By March 1 of each year, such CSPs and customers acting as their own CSP shall nominate to the Company the amount of emergency demand response capacity to be provided for the upcoming June 1 through May 31 RTO delivery year.

**COMPANY PAYMENT FOR EMERGENCY DEMAND RESPONSE CAPACITY**

The Company will pay the CSPs and customers acting as their own CSP that participate in an RTO emergency demand response program for the amount of RTO emergency demand response capacity nominated to the Company as of March 1 for each upcoming delivery year. CSPs and customers acting as their own CSP shall, prior to the applicable RTO deadline, transfer/assign capacity to the Company's FRR obligation according to the RTO's requirements in an amount not less than the amount nominated as of March 1. Payments will be made monthly and shall be calculated as the product of the MWs of capacity transferred/assigned, the Company's Weighted Daily Revenue Rate, and the number of days in the month.

The Weighted Daily Revenue Rate shall be the average rate in \$/MW-day for all cleared MW, weighted by the megawatts cleared at each clearing price. Cleared MW shall include all cleared sell offers in the applicable Locational Delivery Area from each RPM auction (Base Residual Auction, First Incremental Auction, Second Incremental Auction and Third Incremental Auction) for the relevant PJM delivery year.

Any non-compliance charges, deficiency charges (should the amount of capacity registered with the RTO by the CSP or customers acting as their own CSP, be less than the amount nominated as of March 1), test failure charges or other charges assessed to the Company by the RTO related to the capacity transferred/assigned by a CSP to the Company shall be the responsibility of that particular CSP or customer acting as its own CSP. For billing and payment purposes, the Company may net any such charges against payments due to such CSP or customer under this Tariff.

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet ~~Number~~ 18-3**  
**T.R.A. Tariff Number ~~12~~**

**TARIFF RTODR**  
**(Regional Transmission Organization Demand Response Rider)**

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**SPECIAL TERMS AND CONDITIONS**

Participation in the RTO Emergency Demand Response Program in order to satisfy any commitments by customers or CSPs on behalf of customers in existence as of November 21, 2012 that provided for the sale of emergency demand response capacity in the RTO RPM auction for delivery years ending no later than May 31, 2016 shall be allowed, in lieu of use of the emergency demand response capacity to meet the Company's FRR obligations.

Customer specific information shall remain confidential unless specified in writing by the customer. Customers and CSPs agree to work with the Company to provide any information related to service under this Tariff necessary to satisfy any RTO or regulatory requirements.

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~~d/b/a AEP Appalachian Power~~  
~~Kingsport, Tennessee~~

~~Original Sheet No. 19-1~~  
~~T.R.A. Tariff Number 1~~

**TARIFF PSDR**  
**(Peak Shaving Demand Response Rider)**  
**(RIDER TERMINATED)**

**AVAILABILITY OF SERVICE**

~~—This demand response program is available on a voluntary basis to non-residential customers who are taking firm service from the Company. Program participants must have the ability to curtail load under the provisions under this Tariff. Each customer electing to participate in the program shall contract for a definite amount of PSDR capacity, not to exceed the customer's normal demand capable of being curtailed.~~

~~The Company reserves the right to limit the aggregate amount of PSDR capacity contracted for under this Tariff and the Peak Shaving and Emergency Demand Response Rider (PSEDR) to 60 MW. Program enrollment requests will be taken in the order received. Customers electing to participate in this program are not eligible to participate in the demand response program offered under Tariff PSEDR.~~

~~—Customers participating in this Rider may elect to use the services of CSPs provided that such arrangements do not violate the terms and conditions of this Rider. The customer may designate a PJM-qualified CSP to facilitate all or some of the customer notifications and transactions under this Rider. The customer must provide written notice to the Company of any such designation. Such written notice shall specify the authority that the customer has granted to the CSP, including any authority to access customer data. The customer is ultimately responsible for compliance with the terms and conditions of this Rider, including any charges under this Rider, in which the customer has voluntarily elected to participate.~~

**CONDITIONS OF SERVICE**

- ~~(1) The Company reserves the right to cancel or make changes to the terms, including the compensation calculation methods, of this Tariff, as appropriate.~~
- ~~(2) The Company reserves the right to call for (request) customers to curtail their PSDR loads when, in the Company's sole judgment, a curtailment is necessary to reduce the Company's load. Curtailment requests can be made at any time of day and on any day of the week.~~
- ~~(3) The Company will endeavor to provide as much advance notice as possible of curtailments under this Tariff including an estimate of the duration of such curtailments. However, the customer's PSDR capacity shall be curtailed within ninety (90) minutes if so requested.~~
- ~~(4) In no event shall the customer be subject to load curtailment under the provisions of this Tariff for more than ten (10) interruptions during any December through March period. Each interruption shall last no more than six (6) hours. The customer must agree to be subject to curtailments of up to six (6) consecutive hours' duration for each curtailment event.~~
- ~~(5) The Company will inform the customer regarding the communication process for notices to curtail. The customer is ultimately responsible for receiving and acting upon a curtailment notification from the Company. The customer is not responsible in the event the Company fails to properly issue a curtailment notification.~~
- ~~(6) During each December through March period the Company may conduct a test and verify the customer's ability to curtail. However, if a curtailment event is called prior to the test, then the event shall be considered the test for that period.~~
- ~~(7) If the customer fails to comply with the provisions of curtailment under this Schedule, the Company and the customer will discuss methods to comply during future events. If the problem cannot be resolved to the Company's satisfaction, the Company reserves the right to terminate the customer's participation in the program.~~
- ~~(8) The minimum PSDR capacity contracted for under this Tariff will be 250 kW. Entities with multiple electric service accounts may aggregate those individual accounts to meet the 250 kW minimum capacity requirement; however, the PSDR capacity committed for each individual account shall not be less than 50 kW.~~
- ~~(9) An interval meter is required. If the customer does not have one, the Company will install one at no cost to the customer.~~
- ~~(10) NO RESPONSIBILITY OR LIABILITY OF ANY KIND SHALL ATTACH TO OR BE INCURRED BY THE COMPANY OR THE AEP SYSTEM FOR, OR ON ACCOUNT OF, ANY LOSS, COST, EXPENSE, OR DAMAGE CAUSED BY OR RESULTING FROM, EITHER DIRECTLY OR INDIRECTLY, ANY CURTAILMENT OF SERVICE UNDER THE PROVISIONS OF THIS SCHEDULE.~~

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet No. 19-2**  
**T.R.A. Tariff Number 1**

**TARIFF PSDR**  
**(Peak Shaving Demand Response Rider)**  
**(RIDER TERMINATED)**

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**~~CUSTOMER BASELINE LOAD CALCULATION~~**

~~A Customer Baseline Load (CBL) will be calculated for each hour corresponding to each curtailment event hour. Normally, the CBL will be calculated for each hour as the average corresponding hourly demands from the highest four (4) out of the five (5) most recent similar non-event days in the period preceding the relevant curtailment event. The highest load days are defined as the similar days (Weekday, Saturday, Sunday/Holiday as defined by PJM) with the highest energy consumption spanning the curtailment event hours. In cases where the normal calculation does not provide a reasonable representation of normal load conditions, the Company and the customer may develop an alternative CBL calculation that more accurately reflects the customer's normal consumption pattern.~~

**~~CURTAILED DEMAND~~**

~~The customer's Curtailed Demand shall be determined based upon the method of measurement chosen by the customer. The customer may choose one of two methods to measure the curtailed demand: 1) Guaranteed Load Drop (GLD) or 2) Firm Service Level (FSL). The method chosen shall remain in effect for the entire contract period.~~

**~~(1) GUARANTEED LOAD DROP METHOD~~**

- ~~(a) Each customer must designate a Guaranteed Load Drop (GLD), which amount shall be the minimum demand reduction that the customer will provide for each hour during a curtailment event or during a curtailment test.~~
- ~~(b) If the customer fails to fully comply with a request for curtailment under the provisions of this Tariff or does not reduce load to below the CBL by the full GLD, a non-compliance charge shall apply. For this purpose, Actual Load Drop (ALD) is defined as the difference between the customer's CBL and their actual hourly load. If in any hour of a curtailment event the ALD is less than the GLD, the Non-Compliance Demand shall be equal to the difference between the GLD and the ALD. Otherwise, the Non-Compliance Demand shall be zero (0).~~

**~~(2) FIRM SERVICE LEVEL (FSL) METHOD~~**

- ~~(a) Firm Service Level Peak Load Contribution (PLC) The customer's PLC will be calculated each year as the average of its load during the Company's five (5) highest daily peak loads during the previous December through March period, adjusted to add back any load curtailments requested by the Company during those five (5) hours. The customer's PLC shall be adjusted for any material change in the customer's operations, including a change in the hours of operation that have occurred since the previous December through March period, and have increased or decreased the customer's load available for curtailment.~~
- ~~(b) Available Curtailable Demand (ACD) The customer must designate an ACD, defined as the difference between the PLC and the Firm Service Level (FSL). The FSL is the demand to which the customer agrees to reduce load to or below for each hour during a curtailment event.~~
- ~~(c) If the customer fails to fully comply with a request for curtailment under the provisions of this Schedule, then the Non-Compliance Charge shall apply. If a customer is operating at or below their designated FSL during an event, it will be understood that they have no PSDR capacity available with which to comply and will not be charged a non-compliance penalty. If in any hour of a curtailment event the metered demand is above the FSL, the Non-Compliance Demand shall be equal to the difference between the customer's metered demand and the FSL. Otherwise the Non-Compliance Demand shall be zero (0).~~

~~KINGSPORT POWER COMPANY~~ Original Sheet No. ~~19-3~~  
~~d/b/a AEP Appalachian Power~~ T.R.A. Tariff Number ~~1~~  
~~Kingsport, Tennessee~~  
~~TARIFF PSDR~~  
~~(Peak Shaving Demand Response Rider)~~  
~~(RIDER TERMINATED)~~

### **CURTAILED ENERGY**

The Curtailed Energy shall be determined for each curtailment event hour, defined as the difference between the customer's CBL for that hour and the customer's metered load for that hour.

### **CURTAILMENT CREDITS**

The **Curtailment Energy Credit** shall be 90% of the AEP East Load Zone hourly Real Time Locational Marginal Price (LMP) established by PJM (including congestion and marginal losses) for each curtailment event hour.

The **Curtailment Demand Credit** shall be calculated in \$/kW-year as the greater of (a) the four-year average PJM Reliability Pricing Model (RPM) Limited DR-Base Residual Auction Clearing price for the applicable locational delivery area, calculated using the preceding delivery year, the current delivery year and the subsequent two (2) delivery years and (b) 35% of the applicable RPM Net Cost of New Entry (Net CONE) for the delivery year. Delivery years are from June 1 to May 31 as defined by PJM.

The Curtailment Demand Credit for the December 1, 2012 through March 31, 2013 contract period is as follows:

Delivery Year	RPM Clearing Price (\$/MW-day) (a)	2012/2013 Net CONE (\$/MW-day)	35% of Net CONE (\$/MW-day) (b)	Greater of (a) and (b) (\$/MW-day)	Annual Curtailment Demand Credit * (\$/kW-year)	Curtailment Demand Credit Paid Each of 4 Months **
June 1, 2011 to May 31, 2012	\$110.00					
June 1, 2012 to May 31, 2013	\$16.46					
June 1, 2013 to May 31, 2014	\$27.73					
June 1, 2014 to May 31, 2015	\$125.47					
Four-Year Average Price	\$69.92					
Amount		\$276.09	\$96.63	\$96.63	\$35.27	\$8.818

\* Curtailment Demand Credit in \$/kW-year calculated as \$/MW-day times 365 divided by 1,000.

\*\* Curtailment Demand Credit converted to be paid over 4 months — \$35.27 divided by 4

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~~d/b/a AEP Appalachian Power~~  
~~Kingsport, Tennessee~~

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~~T.R.A. Tariff Number 1~~

**~~TARIFF PSDR~~**  
**~~(Peak Shaving Demand Response Rider)~~**  
**~~(RIDER TERMINATED)~~**

**~~MONTHLY DEMAND CREDIT~~**

~~The Monthly Demand Credit shall be paid regardless of whether or not there are any curtailment events during the month, based on the method selected by the customer as follows:~~

- ~~1. **GUARANTEED LOAD DROP METHOD**—The Monthly Demand Credit shall be equal to the product of the GLD and the Curtailment Demand Credit.~~
- ~~2. **FIRM SERVICE LEVEL METHOD**—The Monthly Demand Credit shall be equal to the product of the ACD and the Curtailment Demand Credit.~~

**~~MONTHLY EVENT CREDIT~~**

~~An Event Credit shall be calculated for each event hour equal to the product of the Curtailed Energy for that hour and the Curtailment Energy Credit for that hour. The Monthly Event Credit shall be the sum of the hourly Event Credits for all events occurring in the calendar month, but shall not exceed the portion of the customer's monthly bill that is computed on a per kWh basis under the applicable firm service tariff for the same billing month. The customer shall not receive Event Credit for any curtailment events to the extent that the customer's PSDR capacity is already reduced due to a planned or unplanned outage as a result of vacation, renovation, repair, refurbishment, force majeure, strike, economic conditions, or any situation other than the customer's normal operating conditions. Event Credits will not be withheld if the customer's PSDR capacity is already reduced as a result of customer actions taken in anticipation of a curtailment.~~

**~~NON-COMPLIANCE CHARGE~~**

~~Charges for non-compliance will be based on the customer's Non-Compliance Demand which reflects any failure by the customer to fully comply with requests for curtailment under the provisions of this Schedule. The Non-Compliance Charge will be computed at the completion of the March delivery month each year and will be invoiced to the customer in May. The Non-Compliance Charge shall be equal to the average Non-Compliance Demand during all curtailment event hours times 110% of the Curtailment Demand Credit times 4.~~

**~~CUSTOMER CREDIT~~**

~~The net amount of the Monthly Demand Credit and Monthly Event Credit will be provided within 60 days after the end of the delivery month. A customer may request the aggregation of individual customer account credits into a single credit. The Company reserves the right to apply amounts owed to the customer to any unpaid balance owed to the Company for electric service provided.~~

**~~TERM~~**

~~Contracts under this Tariff shall be made for a minimum initial period of one (1) year and shall remain in effect until either party provides ninety (90) days' written notice prior to December 1 of its intention to discontinue participation in the program. The customer will earn the Customer Credit beginning in the December delivery month for contracts signed from March to November. For contracts executed from December through February, Customer credits will be earned beginning in the following delivery month.~~



**KINGSPORT POWER COMPANY** **Original Sheet No. 19-5**  
**d/b/a AEP Appalachian Power** **T.R.A. Tariff Number 1**  
**Kingsport, Tennessee**

**TARIFF PSDR**  
**(Peak Shaving Demand Response Rider)**  
**(RIDER TERMINATED)**

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**SPECIAL TERMS AND CONDITIONS**

~~Customer specific information, including, but not limited to PSDR contract capacity, shall remain confidential unless specified in writing by the customer.~~

~~If a new peak demand is set by the customer in the hour following a curtailment event due to the customer resuming the level of activity prior to the curtailment, the customer may request, in writing, that the customer's billing demand be adjusted to disregard that new peak. The Company will promptly evaluate all such requests and approve reasonable requests. In specific circumstances and subject to reasonable conditions, the Company may approve requests in advance.~~

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**Kingsport, Tennessee**

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KINGSPORT POWER COMPANY  
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Kingsport, Tennessee

~~1<sup>ST</sup> Revised~~Original Sheet Number ~~20~~  
T.R.A. Tariff Number ~~42~~  
~~Cancels Original Sheet No. 20~~

### STORM DAMAGE RIDER

1. Surcharge

Pursuant to the provisions of this Rider, a Storm Damage Rider surcharge will be applied to each kilowatt-hour, kilowatt or lamp as billed under the Company's filed tariffs.

The Storm Damage Rider surcharge applicable to each tariff is set below:

<u>Tariff</u>	<u>Energy Rate</u> (\$)/ KWH	<u>Demand Rate</u> (\$)/ KW	<u>Lamp Rate</u> (\$)/ Lamp	
RS	<del>-.00000</del> --	--	--	R
SGS	<del>-.00000</del> ---	--	--	R
MGS	<del>-.00000</del> --	--	--	R
EHG	<del>-.00000</del> --	--	--	R
CS	<del>-.00000</del> --	--	--	R
PS	<del>-.00000</del> --	--	--	R
LGS	--	<del>-.0000</del> --	--	R
IP-PRI	--	<del>-.0000</del> --	--	R
IP-TRANS	--	--	--	
OL	--	--	<del>-.0000</del> --	R

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 21-1**  
**T.R.A. Number 2**

**OPTIONAL RIDER R.P.R.P.**  
**(Residential Peak Reduction Program)**

**AVAILABILITY OF SERVICE**

Available on a voluntary basis to customers receiving residential electric service. Participation is limited to the first three hundred (300) residential customers who register for the program in any particular calendar year and any customers who registered for the program in any prior calendar year.

For non-owner occupied dwellings, the Company may require permission from the owner to install load control equipment and, if necessary, auxiliary communicating devices. Customers will not be eligible for this Rider if the owner does not allow installation of such equipment.

**CONDITIONS OF SERVICE**

(1) To participate, customers must allow the Company, or its authorized agents, to install load control equipment and, if necessary, auxiliary communicating devices to control the customer's central electric cooling unit(s). All such devices shall be installed at a time that is consistent with the orderly and efficient deployment of this program. The Company will utilize the installed control devices to reduce customer's energy use during load management events. Load management events consist of Company planned load management events and PJM load management events. The Company plans to control devices for up to 150 hours per year, or up to twenty-five (25) load management events, with no single event lasting more than six (6) consecutive hours. The Company plans to initially utilize a 50% cycling strategy of the central electric cooling unit(s) during summer months. However, the Company may employ other cycling strategies to optimize load reduction. Before implementing other cycling strategies, the Company shall consider any reasonably expected material effects on customer comfort.

(2) Company planned load management events shall not exceed six (6) hours per day. Such non-emergency load management events shall not exceed 15 events per year and shall occur only during the months of May through September between Noon and 8 pm. The customer may opt out of a single Company planned load management event per year. PJM load management events (for emergency and pre-emergency purposes) shall not exceed 10 events per PJM planning year (June 1 – May 31) and not last longer than six (6) hours duration. Emergencies and pre-emergencies shall be determined by PJM as defined in PJM Manual 13 – Emergency Operations. PJM load management events can only occur between Noon and 8 pm on weekdays during June through September.

(3) The Company or its authorized agents will furnish and install, with the customer's permission, load control equipment and, if necessary, an auxiliary communicating device at the customer's residence. All equipment will be owned and maintained by the Company. If the Residential Peak Reduction Program is discontinued or the customer requests to be removed from the program after completing the initial mandatory period of one (1) year, the load control equipment and any auxiliary communicating devices will be removed by the Company or its authorized agents. The customer is not required to pay a deposit for any load control or auxiliary communicating equipment; however, failure to relinquish the load control equipment and/ or auxiliary communicating device in good working order may result in additional charges to repair or replace the equipment and device. If the equipment and/or device malfunctions through no fault of the customer, the Company will replace or repair at its expense.

(4) The Company and its authorized agents shall be permitted access to the customer's premises during normal business hours to install, inspect, test, or maintain the load control device(s). The Company may also be allowed access to the customer's premise to repair or remove faulty load control device(s). In the event the Company requires access to load control device(s), and the customer does not provide such access within 30 days of the request, then the Company may discontinue the Rate Credit until such time as the Company is able to gain the required access. The Company shall not be responsible for the repair, maintenance or replacement of any customer-owned equipment. The Company may collect data during the course of this load control program. Customer-specific information will be held as confidential and data presented in any analysis will protect the identity of the individual customer.

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**T.R.A. Number 2**

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**OPTIONAL RIDER R.P.R.P.**  
**(Residential Peak Reduction Program)**

**CUSTOMER CREDIT**

Customers shall receive an \$8.00 monthly billing credit for each central electric cooling unit controlled during the billing months of May to September for a maximum of \$40.00 annual billing credit for each central electric cooling unit. Such credit shall not reduce the customer's bill below the minimum charge as specified in the tariff under which the customer takes service.

**TERM**

Participating customers must agree to participate for an initial period of one (1) year and thereafter may discontinue participation by providing three business days' notice by telephone. This Rider will be closed after a period of three (3) years from the original Rider effective date unless otherwise ordered by the Authority.

**SPECIAL TERMS AND CONDITIONS**

This Rider is subject to the Company's Terms and Conditions of Service and all provisions of the tariff under which the Customer takes service, including all payment provisions, as they may be amended from time to time. The customer will not qualify for the program and the Company shall not be required to install load control equipment if the installation cannot be justified for reasons such as: technological limitations, safety concerns, or inadequate usage of electric service resulting from limited occupancy of a residence.

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TARIFF S.B.S.  
(Standby Service)

AVAILABILITY OF SERVICE

Standby Service is available to customers who take service from the Company and are requesting standby electric service for power production facilities, including renewable energy cogeneration facilities, designed to supply some or all of their electricity requirements, which operate in parallel with the Company's system without adversely affecting the operation of equipment and service of the Company and its customers, and without presenting safety hazards to the Company and customer personnel. The customer shall contract for one or more of the following services:

Supplemental Service

Service provided to the customer to supplement the customer's power production facilities which will enable either or both sources of supply to be utilized for all or any part of the customer's total requirement.

Backup Service

Service provided to the customer when the customer's power production facilities are unavailable due to unscheduled maintenance.

Maintenance Service

Service provided to the customer when the customer's power production facilities are unavailable due to scheduled maintenance which has been approved in advance by the Company.

The Company reserves the right to limit total backup and maintenance contract capacity for all customers served under this tariff.

CONDITIONS AND LIMITATIONS OF STANDBY SERVICE AVAILABILITY

The conditions and limitations include, but are not limited to, the available capacity of the Company's facilities, the possibility of causing any undue interference with the Company's obligations to provide service to any of its other customers and the extent to which such backup and/or maintenance service will impose a burden on the Company's system or any system interconnected with the Company.

The provision for the Company providing backup and/or maintenance service to the customer is conditionally provided on the assumption that the customer installs, operates and maintains suitable and sufficient equipment, as reasonably specified by the Company, to protect the customer's facilities and the Company's system from damages resulting from such parallel operation, and upon the further condition that the Company shall not be liable to the customer for any loss, cost, damage, or expense which the customer may suffer by reason of damage to or destruction of any property, including the loss of use thereof, arising out of or in any manner connected with such parallel operation, unless such loss, cost, damage, or expense is caused by the negligence of the Company, its agents, or employees, and upon further condition that the customer shall not be liable to the Company for any loss, cost, damage or expense which the Company may suffer by reason of damage to or destruction of any property, including the loss of use thereof, arising out of, or in any manner connected with such parallel operation, unless such loss, cost, damage, or expense is caused by the negligence of the customer, its agents, or employees.

If the customer has not signed a supplemental service contract, the customer will be billed for all supplemental demand in excess of either backup and/or maintenance contract capacities on the appropriate supplemental service schedule and shall thereafter be subject to the terms and conditions of said supplemental service schedule.

Detents shall be used on the necessary metering to prevent reverse rotation.

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**TARIFF S.B.S.**  
**(Standby Service)**

MONTHLY CHARGES FOR STANDBY SERVICE

Supplemental Service

The customer shall contract for a specific amount of supplemental contract capacity according to the provisions of the applicable firm service Standard Tariff (hereinafter referred to as supplemental tariff). Any demand or energy not identified as backup or maintenance service shall be considered supplemental service and billed according to the applicable Standard Schedule.

Backup Service

1. Determination of Backup Contract Capacity

The backup contract capacity in kilowatts (kW) shall be initially established by mutual agreement between the customer and the Company for electrical capacity sufficient to meet the maximum backup requirements which the Company is expected to supply.

The customer shall specify the desired backup contract capacity to the nearest 50 kW as well as the desired service reliability as specified under the Monthly Backup Charge. Changes in the backup contract capacity are subject to the provisions set forth in the Term of Contract.

2. Backup Service Notification Requirement

Whenever backup service is needed, the customer shall verbally notify the Company within one (1) hour. Such notification shall be confirmed in writing within five (5) working days and shall specify the time and date such use commenced and termination date. If such notification is not received, the customer shall be subject to an increase in contract capacity in accordance with the provisions of the Standard Schedule under which the customer receives supplemental service and such backup demand shall be considered supplemental demand and billed accordingly.

3. Backup Demand Determination

Whenever backup service is supplied to the customer for use during forced outages, the customer's integrated kW demand shall be adjusted by subtracting the amount of backup contract capacity supplied by the Company. In no event shall the adjusted demand be less than zero (0). The monthly billing demand under the supplemental service schedule shall be the maximum adjusted integrated demand. If both backup and maintenance service are utilized during the same billing period, the customer's integrated demands will be adjusted for both in the appropriate period. Whenever the customer's maximum integrated demand at any time during the billing period exceeds the total of the supplemental service contract capacity and the specific request for backup and/or maintenance service, the excess demand shall be considered as supplemental demand in the determination of the billing demands under the appropriate supplemental service schedule.

4. Backup Service Energy Determination

Whenever backup service is utilized, backup energy shall be billed under the appropriate supplemental tariff.

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**Original Sheet Number 22-3**  
**T.R.A. Number 2**

**TARIFF S.B.S.**  
**(Standby Service)**

**MONTHLY CHARGES FOR STANDBY SERVICE (Cont'd)**

**5. Monthly Back-up Charge**

Each kilowatt of demand billed is subject to all applicable riders.

<u>Service Voltage</u>	<u>% Forced Outage Rate</u>	<u>Maximum Outage Hours</u>	<u>Demand Charge \$/KW</u>
<b><u>Service Reliability Level A</u></b>			
<u>Secondary</u>	<u>5</u>	<u>438</u>	<u>7.21</u>
<u>Primary</u>	<u>5</u>	<u>438</u>	<u>5.09</u>
<u>Subtransmission/Transmission</u>	<u>5</u>	<u>438</u>	<u>0.72</u>
<b><u>Service Reliability Level B</u></b>			
<u>Secondary</u>	<u>10</u>	<u>876</u>	<u>7.96</u>
<u>Primary</u>	<u>10</u>	<u>876</u>	<u>5.83</u>
<u>Subtransmission/Transmission</u>	<u>10</u>	<u>876</u>	<u>1.44</u>

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**Original Sheet Number 22-4**  
**T.R.A. Number 2**

**TARIFF S.B.S.**  
**(Standby Service)**

**MONTHLY CHARGES FOR STANDBY SERVICE (Cont'd)**

<u>Service Voltage</u>	<u>% Forced Outage Rate</u>	<u>Maximum Outage Hours</u>	<u>Demand Charge \$/kW</u>
<b><u>Service Reliability Level C</u></b>			
<u>Secondary</u>	<u>15</u>	<u>1,314</u>	<u>8.72</u>
<u>Primary</u>	<u>15</u>	<u>1,314</u>	<u>6.56</u>
<u>Subtransmission/Transmission</u>	<u>15</u>	<u>1,314</u>	<u>2.16</u>
<b><u>Service Reliability Level D</u></b>			
<u>Secondary</u>	<u>20</u>	<u>1,752</u>	<u>9.47</u>
<u>Primary</u>	<u>20</u>	<u>1,752</u>	<u>7.30</u>
<u>Subtransmission/Transmission</u>	<u>20</u>	<u>1,752</u>	<u>2.88</u>
<b><u>Service Reliability Level E</u></b>			
<u>Secondary</u>	<u>25</u>	<u>2,190</u>	<u>10.23</u>
<u>Primary</u>	<u>25</u>	<u>2,190</u>	<u>8.03</u>
<u>Subtransmission/Transmission</u>	<u>25</u>	<u>2,190</u>	<u>3.60</u>
<b><u>Service Reliability Level F</u></b>			
<u>Secondary</u>	<u>30</u>	<u>2,628</u>	<u>10.98</u>
<u>Primary</u>	<u>30</u>	<u>2,628</u>	<u>8.77</u>
<u>Subtransmission/Transmission</u>	<u>30</u>	<u>2,628</u>	<u>4.32</u>

The total monthly backup charge is equal to the selected monthly backup demand charge times the backup contract capacity. Whenever the allowed outage hours for the respective reliability level selected by the customer are exceeded during the contract year, the customer's unadjusted integrated demands shall be used for billing purposes under the appropriate supplemental tariff for the remainder of the contract year.

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TARIFF S.B.S.  
(Standby Service)

MONTHLY CHARGES FOR STANDBY SERVICE (Cont'd)

Maintenance Service

1. Determination of Maintenance Contract Capacity

The customer may contract for maintenance service by giving at least six (6) months' advance written request as specified in the Term of Contract. Such notice shall specify the amount to the nearest fifty (50) kW not to exceed the customer's maximum maintenance service requirements during planned maintenance outages, and the effective date for the amount of contracted maintenance service.

2. Maintenance Service Notification Requirement

A major maintenance outage shall be considered as any maintenance service request greater than 5,000 kW and may be scheduled at a time consented to by the Company. Written notice shall be provided by the customer at least 180 days in advance of such scheduled outages or a lesser period by mutual agreement and shall specify the kW amount of maintenance service required, as well as the dates and times such use will commence and terminate. A major maintenance service request shall not exceed the kW capacity of the customer's power production facilities as listed in the customer's service contract.

A minor maintenance outage shall be considered as any maintenance service request of 5,000 kW or less and may be scheduled at a time consented to by the Company. Written notice shall be provided by the customer at least thirty (30) days in advance of such outage or a lesser period by mutual agreement.

If such notification is not received, the customer shall be subject to an increase in supplemental service contract capacity according to the provisions of the supplemental service schedule under which the customer is served and such maintenance service demand shall be considered as supplemental load in the determination of the billing demands.

3. Major Maintenance Service Limitation

The customer shall be limited to one major maintenance outage of 30-days duration for each generator listed in the customer's service contract in each contract year. Additional major maintenance outages or outages exceeding 30-days duration may be requested by the customer and shall be subject to approval by the Company. At the time in which any such additional or prolonged maintenance occurs, the customer shall provide to the Company notarized verification that energy provided under this provision is for maintenance use only.

4. Maintenance Service Demand Determination

Whenever a specific request for maintenance service is made by the customer, the customer's integrated demands will be adjusted by subtracting the maintenance service requested in the hours specified by the customer. The monthly billing demands under the supplemental service schedule shall be the maximum adjusted integrated demands.

If both backup and maintenance service are utilized during the same billing period, the customer's integrated demands will be adjusted for both in the appropriate hours. In no event shall the adjusted demand be less than zero (0).

Whenever the maximum integrated demand at any time during the billing period exceeds the total of the supplemental contract capacity and the specific request for maintenance and/or back-up service, the excess demand shall be considered as supplemental load in the determination of the billing demands.

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TARIFF S.B.S.  
(Standby Service)

MONTHLY CHARGES FOR STANDBY SERVICE (Cont'd)

5. Maintenance Service Energy Determination

Whenever maintenance service is used, maintenance energy shall be calculated as the lesser of a) the kW of maintenance service requested multiplied by the number of hours of maintenance use or b) total metered energy. Metered energy for purposes of billing under the appropriate supplemental service schedule shall be derived by subtracting the maintenance energy from the total metered energy for the billing period.

6. Monthly Maintenance Service Charge

In addition to the monthly charges established under the supplemental service schedule, the customer shall pay the Company for maintenance energy as follows:

For each kWh of maintenance energy taken:

<u>Service Voltage</u>	<u>Energy Charge ¢/kWh</u>
<u>Secondary</u>	<u>5.775</u>
<u>Primary</u>	<u>5.290</u>
<u>Subtransmission/Transmission</u>	<u>4.502</u>

Each kilowatt-hour of energy consumed is subject to all applicable riders.

Local Facilities Charge

Charges to cover interconnection costs (including but not limited to suitable meters, relays and protective apparatus) incurred by the Company shall be determined by the Company and shall be collected from the customer. Such charges shall include the total installed cost of all local facilities. In addition, the customer shall reimburse the Company for all state and federal income taxes associated with such charges. The customer shall make a one-time payment for the Local Facilities Charge at the time of the installation of the required additional facilities, or, at his option, up to thirty-six (36) consecutive equal monthly payments reflecting an annual interest charge as determined by the Company, but not to exceed the cost of the Company's most recent issue of long-term debt. If the customer elects the installment payment option, the Company may require a reasonable security deposit. This provision applies also to customers with Standby Contract capacities less than 100kW.

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

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TARIFF S.B.S.  
(Standby Service)

SPECIAL PROVISION FOR CUSTOMERS WITH STANDBY CONTRACT CAPACITIES OF LESS THAN 100 kW

Customers requesting standby service (backup and/or maintenance) with contract capacities of less than 100 kW shall execute a special contract form for a minimum of one (1) year. Contract standby capacity in kilowatts shall be set equal to the capacity of the customer's largest power production facility.

TERM

Contracts under this Schedule will be made for an initial period of not less than one (1) year and shall continue thereafter until either party has given six (6) months' written notice to the other of the intention to terminate the contract. The Company will have the right to make contracts for initial periods longer than one (1) year.

A 6-months' advance written request is required for any change in supplemental, backup, or maintenance service requirements, except for the initial standby service contract. All changes in the standby service contract shall be effective on the contract anniversary date. The Company shall either concur in writing or inform the customer of any conditions or limitations associated with the customer's request within sixty (60) days.

SPECIAL TERMS AND CONDITIONS

At its discretion, the Company may require that Company-owned metering be installed to monitor the customer's generation.

The Company reserves the right to inspect the customer's relays and protective equipment at all reasonable times.

Customers taking service under this Standard Schedule who desire to transfer to firm full requirements will be required to give the Company written notice of at least thirty-six (36) months. The Company reserves the right to reduce the notice period requirement dependent upon individual circumstances.

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**Original Sheet Number 23-1**  
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**RIDER A.F.S.**  
**(Alternate Feed Service)**

**AVAILABILITY OF SERVICE**

Standard Alternate Feed Service (AFS) is a premium service providing a redundant distribution service provided through a redundant distribution line and distribution station transformer, with automatic or manual switch-over and recovery, which provides increased reliability for distribution service. Rider AFS applies to those customers requesting new or upgraded AFS after December 31, 2016 or existing AFS customers that desire to maintain redundant service when the Company must make expenditures after December 31, 2016 in order to continue providing such service.

Rider AFS is available to customers who request a primary voltage alternate feed and who normally take service under Tariffs M.G.S., L.G.S., L.G.S.-TOD, and I.P. for their basic service requirements, provided that the Company has adequate capacity in existing distribution facilities, as determined by the Company, or if changes can be made to make capacity available. AFS provided under this rider may not be available at all times, including emergency situations.

**SYSTEM IMPACT STUDY CHARGE**

The Company shall charge the customer for the actual cost incurred by the Company to conduct a system impact study for each site reviewed. The study will consist of, but is not limited to, the following: (1) identification of customer load requirements, (2) identification of the potential facilities needed to provide the AFS, (3) determination of the impact of AFS loading on all electrical facilities under review, (4) evaluation of the impact of the AFS on system protection and coordination issues including the review of the transfer switch, (5) evaluation of the impact of the AFS request on system reliability indices and power quality, (6) development of cost estimates for any required system improvements or enhancements required by the AFS, and (7) documentation of the results of the study. The Company will provide to the customer an estimate of charges for this study.

**EQUIPMENT AND INSTALLATION CHARGE**

The customer shall pay, in advance of construction, a nonrefundable amount for all equipment and installation costs for all dedicated and/or local facilities provided by the Company required to furnish either a new or upgraded AFS. The payment shall be grossed-up for federal and state income taxes, assessment fees and utility receipts taxes. The customer will not acquire any title in said facilities by reason of such payment. The equipment and installation charge shall be determined by the Company and shall include, but not be limited to, the following: (1) all costs associated with the AFS dedicated and/or local facilities provided by the Company and (2) any costs or modifications to the customer's basic service facilities.

The customer is responsible for all costs associated with providing and maintaining phone service for use with metering to notify the Company of a transfer of service to the AFS or return to basic service.

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**RIDER A.F.S.**  
**(Alternate Feed Service)**

**TRANSFER SWITCH PROVISIONS**

In the event the customer receives basic service at primary voltage, the customer shall install, own, maintain, test, inspect, operate and replace the transfer switch. Customer-owned switches are required to be at primary voltage and must meet the Company's engineering, operational and maintenance specifications. The Company reserves the right to inspect the customer-owned switches periodically and to disconnect the AFS for adverse impacts on reliability or safety.

Existing AFS customers, who receive basic service at primary voltage and are served via a Company-owned transfer switch and control module, may elect for the Company to continue ownership of the transfer switch. When the Company-owned transfer switch and/or control module requires replacement, and the customer desires to continue the AFS, the customer shall pay the Company the total cost to replace such equipment which shall be grossed up for federal and state income taxes, assessment fees and utility receipts taxes. In addition, the customer shall pay a monthly rate of \$14.69 for the Company to annually test the transfer switch / control module and the customer shall reimburse the Company for the actual costs involved in maintaining the Company-owned transfer switch and control module.

In the event a customer receives basic service at secondary voltage and requests AFS, the Company will provide the AFS at primary voltage. The Company will install, own, maintain, test, inspect and operate the transfer switch and control module. The customer shall pay the Company a nonrefundable amount for all costs associated with the transfer switch installation. The payment shall be grossed-up for federal and state income taxes, assessment fees and utility receipts taxes. In addition, the customer is required to pay the monthly rate for testing and ongoing maintenance costs defined above. When the Company-owned transfer switch and/or control module requires replacement, and the customer desires to continue the AFS, customer shall pay the Company the total cost to replace such equipment which shall be grossed up for federal and state income taxes, assessment fees and utility receipts taxes.

After a transfer of service to the AFS, a customer utilizing a manual or semi-automatic transfer switch shall return to the basic service within one (1) week or as mutually agreed to by the Company and customer. In the event system constraints require a transfer to be expedited, the Company will endeavor to provide as much advance notice as possible to the customer. However, the customer shall accomplish the transfer back to the basic service within ten minutes if notified by the Company of system constraints. In the event the customer fails to return to basic service within 12 hours, or as mutually agreed to by the Company and customer, or within ten minutes of notification of system constraints, the Company reserves the right to immediately disconnect the customer's load from the AFS source. If the customer does not return to the basic service as agreed to, or as requested by the Company, the Company may also provide 30 days' notice to terminate the AFS agreement with the customer.

The customer shall make a request to the Company for approval three days in advance for any planned switching.

**MONTHLY AFS CAPACITY RESERVATION DEMAND CHARGE**

Monthly AFS charges will be in addition to all monthly basic service charges paid by the customer under the applicable tariff.

The Monthly AFS Capacity Reservation Demand Charge for the reservation of distribution station and primary lines is \$4.36 per kW/kVA.

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**Original Sheet Number 23-3**  
**T.R.A. Number 2**

**RIDER A.F.S.**  
**(Alternate Feed Service)**

**AFS CAPACITY RESERVATION**

The customer shall reserve a specific amount of AFS capacity equal to, or less than, the customer's normal maximum requirements, but in no event shall the customer's AFS capacity reservation under this rider exceed the capacity reservation for the customer's basic service under the appropriate tariff. The Company shall not be required to supply AFS capacity in excess of that reserved except by mutual agreement.

If the customer plans to increase the AFS demand at anytime in the future, the customer shall promptly notify the Company of such additional demand requirements. The customer's AFS capacity reservation and billing will be adjusted accordingly. The customer will pay the Company the actual costs of any and all additional dedicated and/or local facilities required to provide AFS in advance of construction and pursuant to an AFS construction agreement. If customer exceeds the agreed upon AFS capacity reservation, the Company reserves the right to disconnect the AFS. If the customer's AFS metered demand exceeds the agreed upon AFS capacity reservation, which jeopardizes company facilities or the electrical service to other customers, the Company reserves the right to disconnect the AFS immediately. If the Company agrees to allow the customer to continue AFS, the customer will be required to sign a new AFS agreement reflecting the new AFS capacity reservation. In addition, the customer will promptly notify the Company regarding any reduction in the AFS capacity reservation.

The customer may reserve partial-load AFS capacity, which shall be less than the customer's full requirements for basic service subject to the conditions in this provision. Prior to the customer receiving partial-load AFS capacity, the customer shall be required to demonstrate or provide evidence to the Company that they have installed demand-controlling equipment that is capable of curtailing load when a switch has been made from the basic service to the AFS. The Company reserves the right to test and verify the customer's ability to curtail load to meet the agreed upon partial-load AFS capacity reservation.

**DETERMINATION OF BILLING DEMAND**

**Full-Load Requirement:**

For customers requesting AFS equal to their load requirement for basic service, the AFS billing demand shall be taken each month as the single-highest 15-minute or 30-minute integrated peak as registered during the month by a demand meter or indicator, but the monthly AFS billing demand so established shall in no event be less than the greater of (a) the customer's AFS capacity reservation, or (b) the customer's highest previously established monthly billing demand on the AFS during the past 11 months, or (c) the customer's basic service capacity reservation, or (d) the customer's highest previously established monthly billing demand on the basic service during the past 11 months

**Partial-Load Requirement:**

For customers requesting partial-load AFS capacity reservation that is less than the customer's full requirements for basic service, the AFS billing demand shall be taken each month as the single-highest 15-minute integrated peak on the AFS as registered during the month by a demand meter or indicator, but the monthly AFS billing demand so established shall in no event be less than the greater of (a) the customer's AFS capacity reservation, or (b) the customer's highest previously established monthly metered demand on the partial-load AFS during the past 11 months.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 23-4**  
**T.R.A. Number 2**

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**RIDER A.F.S.**  
**(Alternate Feed Service)**

**TERM OF CONTRACT**

The AFS agreement under this rider will be made for a period of not less than one year and shall remain in effect thereafter until either party shall give at least six months' written notice to the other of the intention to discontinue service under the terms of this rider.

Disconnection of AFS under this rider due to reliability or safety concerns associated with customer-owned transfer switches will not relieve the customer of payments required hereunder for the duration of the agreement term.

**SPECIAL TERMS AND CONDITIONS**

This rider is subject to the Company's Terms and Conditions of Service.

Upon receipt of a request from the customer for non-standard AFS (AFS which includes unique service characteristics different from standard AFS), the Company will provide the customer with a written estimate of all costs, including system impact study costs, and any applicable unique terms and conditions of service related to the provision of the non-standard AFS. An AFS agreement will be filed with the Commission under the 30-day filing procedures. The AFS agreement shall provide full disclosure of all rates, terms and conditions of service under this rider, and any and all agreements related thereto.

The Company will have sole responsibility for determining the basic service circuit and the AFS circuit.

The Company assumes no liability should the AFS circuit, transfer switch, or other equipment required to provide AFS fail to operate as designed, is unsatisfactory, or is not available for any reason.

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**KINGSPORT POWER COMPANY**  
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**Kingsport, Tennessee**

**Original Sheet Number 1**  
**T.R.A. Tariff Number 2**

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**Kingsport, Tennessee**

**Original Sheet Number 2-8**  
**T.R.A. Tariff Number 2**

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**TENNESSEE INSPECTION FEE RIDER**

Kingsport Power is authorized under the terms of this rider to apply a surcharge to all customer bills rendered by the Company to allow for changes in the Tennessee Inspection Fee.  
The Tennessee Inspection Fee Rider shall be calculated by multiplying the customer's total bill by 0.0%.

This rider shall be a separate line on customer's bills and shall remain in effect until changed by the Tennessee Regulatory Authority.

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**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 3**  
**T.R.A. Tariff Number 2**

**TARIFF R. S.**  
**(Residential Electric Service)**

**AVAILABILITY OF SERVICE**

Available for residential electric service through one meter to individual residential customers including rural residential customers engaged principally in agricultural pursuits.

**MONTHLY RATE** (Tariff Code 015)

<u>Service Charge</u> .....	\$ 11.00 per customer
<u>Energy Charge</u> .....	9.248 cents per KWH

**MINIMUM CHARGE**

This tariff is subject to a minimum monthly charge equal to the service charge.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**LOAD MANAGEMENT WATER HEATING PROVISION** (Tariff Code 011)

For residential customers who install a Company-approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at 5.827 cents per KWH.

This provision, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the MONTHLY RATE as set forth above.

For the purpose of this provision, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

The Company reserves the right to inspect at all reasonable times the load management water heating system and devices which qualify the residence for service under the load management water heating provision, and to ascertain by any reasonable means that the time-differentiated load characteristics of such devices meet the Company's specifications. If the Company finds that in its sole judgment the availability conditions of this provision are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the service charge as stated in the above monthly rate.

**TERM OF CONTRACT**

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is available for single-phase residential service. Where the residential customer requests three-phase service, this tariff will apply if the residential customer pays the Company the difference between constructing single-phase service and three-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service tariff will apply to such service.

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**Kingsport, Tennessee**

**Original Sheet Number 4**  
**T.R.A. Tariff Number 2**

**TARIFF R. S.-E.**  
**(Residential Electric Service - Employee)**

**AVAILABILITY OF SERVICE**

Available for residential electric service through one meter to current regular and retired employees of the Company. This tariff is not available to employees hired after December 31, 2016.

**MONTHLY RATE** (Tariff Code 018)

Service Charge ..... \$ 11.00 per customer

Energy Charge ..... 8.517 cents per KWH

**MINIMUM CHARGE**

This tariff is subject to a minimum monthly charge equal to the service charge.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**LOAD MANAGEMENT WATER HEATING PROVISION** (Tariff Code 051)

For residential customers who install a Company-approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at 5.827 cents per KWH.

This provision, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the MONTHLY RATE as set forth above.

For the purpose of this provision, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

The Company reserves the right to inspect at all reasonable times the storage water heating system and devices which qualify the residence for service under the storage water heating provision, and to ascertain by any reasonable means that the time-differentiated load characteristics of such devices meet the Company's specifications. If the Company finds that in its sole judgment the availability conditions of this provision are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the service charge as stated in the above monthly rate.

**TERM OF CONTRACT**

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is available for single-phase residential service. Where the residential customer requests three-phase service, this tariff will apply if the residential customer pays the Company the difference between constructing single-phase service and three-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service tariff will apply to such service.

The Tariff R. S. gross amount will apply if payment of account in full is not received by the date due.

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**Kingsport, Tennessee**

**Original Sheet Number 5**  
**T.R.A. Tariff Number 2**

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**TARIFF R. S.-D.**  
**(Residential Demand-Metered Electric Service)**

AVAILABILITY OF SERVICE

Available for residential electric service through one single-phase multiple-register demand meter. Availability is limited to the first 250 customers applying for service under this tariff. This limitation does not apply to Tariff N.M.S.-2 customers.

MONTHLY RATE (Tariff Code \_\_\_\_)

Service Charge ..... \$ 11.00 per customer

Energy Charge ..... 3.826 cents per KWH

Demand Charge ..... \$9.44 for each KW of monthly billing demand

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand.

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND

Energy supplied hereunder will be delivered through not more than one single-phase meter. The billing demand in kW will be taken each month as the single highest 15-minute demand integrated peak in kilowatts as registered during the month.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is available for single-phase residential service. Where the residential customer requests three-phase service, this tariff will apply if the residential customer pays the Company the difference between constructing single-phase service and three-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service tariff will apply to such service.

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**Kingsport, Tennessee**

**Original Sheet Number 6**  
**T.R.A. Tariff Number 2**

**TARIFF R.S.-T.O.D.**  
**(Residential Time-of-Day Electric Service)**

**AVAILABILITY OF SERVICE**

Available for residential electric service through one single-phase multiple-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods to individual residential customers. Availability is limited to the first 250 customers applying for service under this tariff.

**MONTHLY RATE**

Service Charge ..... \$ 13.25 per customer

Energy Charge:

Tariff Code 030 For all KWH used during the on-peak billing period . . . 13.257 cents per KWH

Tariff Code 031 For all KWH used during the off-peak billing period . . . 5.827 cents per KWH

For the purpose of this tariff, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

**MINIMUM CHARGE**

This tariff is subject to a minimum monthly charge equal to the service charge.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**TERM OF CONTRACT**

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is intended for single-phase residential service. Where the residential customer requests three-phase service, this tariff will apply if the residential customer pays to the Company the difference between constructing single-phase service and three-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service tariff will apply to such service.

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**Kingsport, Tennessee**

**Original Sheet Number 7**  
**T.R.A. Tariff Number 2**

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**TARIFF S. G. S.**  
**(Small General Service)**

AVAILABILITY OF SERVICE

Available for general service to customers with normal maximum demands of less than 10 KW.

MONTHLY RATE (Tariff Codes 231-233)

Service Charge . . . . . \$12.60 per customer

Energy Charge:

For the first 600 KWH used per month . . . . . 9.284 cents per KWH  
For all over 600 KWH used per month . . . . . 8.768 cents per KWH

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the service charge.

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

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**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 8-1**  
**T.R.A. Tariff Number 2**

**TARIFF M. G. S.**  
**(Medium General Service)**

AVAILABILITY OF SERVICE

Available for general service customers with normal maximum demands of 10 KW or greater. Service is not available for new customers with normal maximum demands in excess of 100 KW. Customers receiving service under Tariff S.G.S. prior to June 3, 1987 with demands in excess of 100 KW may continue to qualify for service under this tariff until such time as their normal maximum demand exceeds the existing contract capacity.

MONTHLY RATE

<u>Tariff Code</u>	<u>Service Voltage</u>	
	<u>Secondary</u> 235	<u>Primary</u> 237
<u>Service Charge</u>		
Per Customer .....	\$40.00	\$94.00
<u>Energy Charge:</u>		
For all KWH equal to the first 200 times the KW of monthly billing demand .....	9.752 cents	9.458 cents
For all KWH in excess of 200 times the KW of monthly billing demand .....	7.108 cents	6.884 cents
<u>Demand Charge:</u>		
Per KW .....	\$2.08	\$2.02

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand.

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND

Energy supplied hereunder will be delivered through not more than one single-phase and/or one poly-phase meter. The billing demand in KW shall be taken each month as the single highest 15-minute integrated peak in kilowatts as registered during the month by a demand meter or indicator, or at the Company's option, as the highest registration of a thermal type demand meter or indicator. Where energy is delivered through two meters, the monthly billing demand will be taken as the sum of the two demands separately determined. For the purpose of billing, no demand shall be taken as less than 6 KW.

METERED VOLTAGE

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss compensating equipment, the use of formulas and KW to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH and KW values will be adjusted for billing purposes. If the Company elects to adjust KWH and KW based on multipliers, the adjustment shall be in accordance with the following:

- (1) Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
- (2) Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 8-2**  
**T.R.A. Tariff Number 2**

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**TARIFF M. G. S.**  
**(Medium General Service)**

**TERM OF CONTRACT**

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of electric energy supply. Where such conditions exist, the customer shall contract for the maximum amount of demand in KW which the Company might be required to furnish, but not less than 10 KW nor more than 100 KW. The Company shall not be obligated to supply demands in excess of that contracted for. In the event that the customer's actual demand, as determined by demand meter or indicator, in any month exceeds the amount of the customer's then existing contract demand, the contract demand shall then be increased automatically to the maximum demand so created by the customer. Where service is supplied under the provisions of this paragraph, the billing demand defined under paragraph "Measurement of Energy and Determination of Demand" shall not be less than the Contract Demand.

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**Kingsport, Tennessee**

**Original Sheet Number 9**  
**T.R.A. Tariff Number 2**

**TARIFF G.S.-T.O.D.**  
**(General Service - Time-of-Day)**

**AVAILABILITY OF SERVICE**

Available for general service customers with demands greater than 10 KW but less than 100 KW. Current customers with demands in excess of 100 KW will continue to receive service under this tariff. Availability is limited to the first 100 customers applying for service under this tariff.

**MONTHLY RATE** (Tariff Code 229)

Service Charge . . . . . \$40.00 per customer

Energy Charge:

For all KWH used during the on-peak billing period . . . . . 14.015 cents per KWH

For all KWH used during the off-peak billing period. . . . . 5.789 cents per KWH

For the purpose of this tariff, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

**MINIMUM CHARGE**

This tariff is subject to a minimum monthly charge equal to the service charge.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**METERED VOLTAGE**

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH values will be adjusted for billing purposes. If the Company elects to adjust KWH based on multipliers, the adjustment shall be 0.98 when measurements are taken at the high-side of a Company-owned transformer.

**TERM OF CONTRACT**

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

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**TARIFF S.G.S.-D.**  
**(Small General Service – Demand-Metered)**

AVAILABILITY OF SERVICE

Available only to general service customers who receive service under Tariff N.M.S.-2.

MONTHLY RATE (Tariff Code \_\_\_\_)

Service Charge . . . . . \$20.20 per customer

Energy Charge. . . . . 3.791 cents per KWH

Demand Charge. . . . . \$15.10 for each KW of monthly billing demand

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand.

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND

Energy supplied hereunder will be delivered through not more than one single-phase and/or one poly-phase meter. The billing demand in KW will be taken each month as the single highest 15-minute integrated peak in KW as registered during the month by a demand meter or indicator.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 10-1**  
**T.R.A. Tariff Number 2**

**TARIFF L. G. S.**  
**(Large General Service)**

**AVAILABILITY OF SERVICE**

Available for general service customers with normal maximum demands greater than 100 KVA but less than 3,000 KVA.

**MONTHLY RATE**

<u>Tariff Code</u>	<u>Service Voltage</u>	<u>Demand Charge per KVA</u>	<u>Energy Charge per KWH</u>	<u>Service Charge</u>
240-242	Secondary	\$ 8.31	6.278 cents	\$ 78.00
244-246	Primary	\$ 8.07	5.464 cents	\$164.00
248	Subtransmission/Transmission	\$ 7.92	4.140 cents	\$416.00

**MINIMUM CHARGE**

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND**

Energy supplied hereunder will be delivered through not more than one single-phase and/or one poly-phase meter. Billing demand in KVA shall be taken each month as the single highest 15-minute integrated peak in KW as registered during the month by 15-minute integrating demand meter or indicator, or at the Company's option as the highest registration of a thermal type demand meter or indicator, divided by the average monthly power factor established during the month, corrected to the nearest KVA. Where energy is delivered through two meters, the billing demand will be taken as the sum of the two demands separately determined. Monthly billing demand established hereunder shall not be less than 60 percent of the greater of (a) the customer's contract capacity, (b) the customer's highest previously established monthly billing demand during the past 11 months or (c) 100 KVA. If more than 50 percent of the customer's connected load is for electric space heating purposes, the minimum monthly billing demand will be 25 percent of the greater of (a) the customer's contract capacity, (b) the customer's highest previously established monthly billing demand during the past 11 months or (c) 100 KVA for the billing months of April through September.

**METERED VOLTAGE**

The rates set forth in this Tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH and KVA values will be adjusted for billing purposes. If the Company elects to adjust KWH and KVA based on multipliers, the adjustment shall be in accordance with the following:

1. Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
2. Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

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**Original Sheet Number 10-2**  
**T.R.A. Tariff Number 2**

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**TARIFF L. G. S.**  
**(Large General Service)**

**TERM OF CONTRACT**

For customers with annual average demands greater than 500 KVA, contracts will be required for an initial period of not less than 1 year and shall remain in effect thereafter until either party shall give at least 6 months' prior written notice to the other of the intention to discontinue service under the terms of this tariff. For customers with demands less than 500 KVA, a written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

Where new Company facilities are required, the Company reserves the right to require initial contracts for periods greater than 1 year for all customers served under this tariff.

A new initial contract period will not be required for existing customers who increase their contract requirements after the original initial period unless new or additional facilities are required.

The Company shall not be required to supply capacity in excess of that contracted for except by mutual agreement.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of energy who desire to purchase standby or back-up service from the Company. Where such service is required, the customer can either take service under Tariff S.B.S. or under the provisions of this paragraph. The customer shall contract for the maximum amount of demand in KVA which the Company might be required to furnish, but not less than 100 KVA nor more than 3,000 KVA. The Company shall not be obligated to supply demands in excess of that contracted for. Where service is supplied under the provisions of this paragraph, the billing demand each month shall be the highest determined for the current and previous two billing periods, and the minimum monthly charge shall be as set forth under paragraph "Minimum Charge" above.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 10-3**  
**T.R.A. Tariff Number 2**

**TARIFF L. G. S.-T.O.D.**  
**(Large General Service – Time-of-Day)**

AVAILABILITY OF SERVICE

Available for general service customers with normal maximum demands greater than 100 KVA but less than 3,000 KVA.

MONTHLY RATE

<u>Tariff Code</u>	<u>Service Voltage</u>	<u>Demand Charge per KVA</u>	<u>On-peak Energy Charge per KWH</u>	<u>Off-peak Energy Charge per KWH</u>	<u>Service Charge</u>
—	Secondary	\$ 7.94	8.092 cents	4.703 cents	\$ 78.00
—	Primary	\$ 5.81	7.839 cents	4.587 cents	\$164.00
—	Subtransmission/Transmission	\$ 1.42	7.693 cents	4.520 cents	\$416.00

For the purpose of this tariff, the on-peak billing period is defined as 6:00 a.m. to 9:00 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 p.m. to 6:00 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand.

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND

Energy supplied hereunder will be delivered through not more than one single-phase and/or one poly-phase meter. Billing demand in KVA shall be taken each month as the single highest 15-minute integrated peak in KW as registered during the month by 15-minute integrating demand meter or indicator, or at the Company's option as the highest registration of a thermal type demand meter or indicator, divided by the average monthly power factor established during the month, corrected to the nearest KVA. Where energy is delivered through two meters, the billing demand will be taken as the sum of the two demands separately determined. Monthly billing demand established hereunder shall not be less than 60 percent of the greater of (a) the customer's contract capacity, (b) the customer's highest previously established monthly billing demand during the past 11 months or (c) 100 KVA. If more than 50 percent of the customer's connected load is for electric space heating purposes, the minimum monthly billing demand will be 25 percent of the greater of (a) the customer's contract capacity, (b) the customer's highest previously established monthly billing demand during the past 11 months or (c) 100 KVA for the billing months of April through September.

METERED VOLTAGE

The rates set forth in this Tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH and KVA values will be adjusted for billing purposes. If the Company elects to adjust KWH and KVA based on multipliers, the adjustment shall be in accordance with the following:

1. Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
2. Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 10-4**  
**T.R.A. Tariff Number 2**

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**TARIFF L. G. S.-T.O.D.**  
**(Large General Service – Time-of-Day)**

**TERM OF CONTRACT**

For customers with annual average demands greater than 500 KVA, contracts will be required for an initial period of not less than 1 year and shall remain in effect thereafter until either party shall give at least 6 months' prior written notice to the other of the intention to discontinue service under the terms of this tariff. For customers with demands less than 500 KVA, a written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

Where new Company facilities are required, the Company reserves the right to require initial contracts for periods greater than 1 year for all customers served under this tariff.

A new initial contract period will not be required for existing customers who increase their contract requirements after the original initial period unless new or additional facilities are required.

The Company shall not be required to supply capacity in excess of that contracted for except by mutual agreement.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of energy who desire to purchase standby or back-up service from the Company. Where such service is required, the customer can either take service under Tariff S.B.S. or under the provisions of this paragraph. The customer shall contract for the maximum amount of demand in KVA which the Company might be required to furnish, but not less than 100 KVA nor more than 3,000 KVA. The Company shall not be obligated to supply demands in excess of that contracted for. Where service is supplied under the provisions of this paragraph, the billing demand each month shall be the highest determined for the current and previous two billing periods, and the minimum monthly charge shall be as set forth under paragraph "Minimum Charge" above.

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**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 11-1**  
**T.R.A. Tariff Number 2**

**TARIFF LP.**  
**(Industrial Power)**

**AVAILABILITY OF SERVICE**

Available to industrial and large commercial customers. Customers shall contract for a definite amount of electrical capacity in KW which shall be sufficient to meet normal maximum requirements but in no case shall the capacity contracted for be less than 3,000 KW. Contract capacities will be specified in multiples of 100 KW.

**MONTHLY RATE**

Tariff	Service	Demand Charge	Off-Peak Excess Demand Charge	Energy Charge	Service Charge
<u>Code</u>	<u>Voltage</u>	<u>per KW</u>	<u>Charge per KW</u>	<u>per KWH</u>	<u>Charge</u>
327	Secondary	\$21.48	\$7.94	4.370 cents	\$154.00
322	Primary	\$16.95	\$5.81	4.234 cents	\$240.00
323, 324	Subtransmission/Transmission	\$14.01	\$1.42	4.154 cents	\$1,930.00

Reactive Demand Charge for each Kilovar of Lagging Reactive Demand  
in excess of 50 percent of the KW of monthly metered demand . . . . . \$0.75 per KVAR

**MINIMUM CHARGE**

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**DETERMINATION OF DEMAND**

The billing demand in KW shall be taken each month as the single highest 30-minute integrated peak in KW as registered during the on-peak period by a demand meter or indicator. The monthly billing demand so established shall in no event be less than 60% of the greater of (a) the customer's contract capacity or (b) the customer's highest previously established monthly billing demand during the past 11 months nor less than 3,000 KW. The off-peak excess demand shall be the amount by which the demand created during the off-peak period exceeds the monthly billing demand.

The reactive demand in KVARs shall be taken each month as the single highest 30-minute integrated peak in KVARs as registered during the month by a demand meter or indicator, or, at the Company's option, as the highest registration of a thermal type demand meter or indicator.

For the purpose of this provision, the on-peak billing period is defined as 6 a.m. to 9 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9 p.m. to 6 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

**METERED VOLTAGE**

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH and KW values will be adjusted for billing purposes. If the Company elects to adjust KWH and KW based on multipliers, the adjustment shall be in accordance with the following:

1. Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
2. Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 11-2**  
**T.R.A. Tariff Number 2**

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**TARIFF I.P.**  
**(Industrial Power)**

**TERM OF CONTRACT**

Contracts under this tariff will be made for an initial period of not less than 5 years and shall remain in effect thereafter until either party shall give at least 12 months' written notice to the other of the intention to discontinue service under the terms of this tariff. Where new Company facilities are required, the Company reserves the right to require initial contracts for periods of greater than 5 years.

A new initial contract period will not be required for existing customers who increase their contract requirements after the original initial period unless new or additional facilities are required.

The Company shall not be required to supply capacity in excess of that contracted for except by mutual agreement.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to customers having other sources of energy who desire to purchase standby or back-up service from the Company. Where such service is required, the customer can either take service under Tariff S.B.S. or under the provisions of this paragraph. The customer shall contract for the maximum amount of demand in KW which the Company might be required to furnish, but not less than 3,000 KW. The Company shall not be obligated to supply demands in excess of that contracted for. Where service is supplied under the provisions of this paragraph, the billing demand each month shall be the highest determined for the current and previous two billing periods, and the minimum monthly charge shall be as set forth under paragraph "Minimum Charge" above.

A customer's plant is considered as one or more buildings which are served by a single electrical distribution system provided and operated by customer. When the size of the customer's load necessitates the delivery of energy to the customer's plant over more than one circuit, the Company may elect to connect its circuits to different points on the customer's system irrespective of contrary provisions in Terms and Conditions of Service.

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**KINGSPORT POWER COMPANY**  
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**Kingsport, Tennessee**

**Original Sheet Number 12**  
**T.R.A. Tariff Number 2**

**TARIFF E. H. G.**  
**(Electric Heating General)**

**AVAILABILITY OF SERVICE**

Available for the total requirements of general service customers who operate electric heating equipment which supplies the entire space heating requirements of the customer's premises.

**MONTHLY RATE** (Tariff Codes 208-209)

<u>Service Charge</u> .....	\$25.10 per customer
<u>Energy Charge</u> .....	9.229 cents per KWH
<u>Demand Charge</u> .....	\$2.41 for each KW of monthly billing demand in excess of 30 KW

**MINIMUM CHARGE**

This tariff is subject to a minimum monthly charge equal to the sum of the service charge and the product of the demand charge and the monthly billing demand.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**MEASUREMENT OF ENERGY AND DETERMINATION OF DEMAND**

Energy supplied hereunder will be delivered through not more than one single-phase and/or one poly-phase meter. The billing demand will be taken monthly to be the highest registration of a thermal type demand meter. Where energy is delivered through two meters, the monthly billing demand will be taken as the sum of the two demands separately determined.

**TERM OF CONTRACT**

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is available only at premises where at least 50 percent of the electrical load is located inside of buildings which are electrically heated.

When church buildings are electrically heated and are served through a separate meter and billed separately, the above energy rate applies, but there shall be no demand charge.

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**KINGSPORT POWER COMPANY**  
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**Kingsport, Tennessee**

**Original Sheet Number 13**  
**T.R.A. Tariff Number 2**

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**TARIFF C. S.**  
**(Church Service)**

AVAILABILITY OF SERVICE

Available for service to churches. This tariff is available for the supply of service to church buildings, that is, to buildings whose primary purpose is to provide a place of worship; but is not available to other buildings which might be owned or operated by churches, such as residences, dormitories, parochial or other church schools, which generally operate throughout the week.

MONTHLY RATE (Tariff Code 221)

Service Charge . . . . . \$17.00 per customer

Energy Charge. . . . . 10.081 cents per KWH

MINIMUM CHARGE

This tariff is subject to a minimum monthly charge equal to the service charge.

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

TERM OF CONTRACT

A written contract may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

SPECIAL TERMS AND CONDITIONS

This tariff is subject to the Company's Terms and Conditions of Service.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 14**  
**T.R.A. Tariff Number 2**

**TARIFF P. S.**  
**(Public Schools)**

**AVAILABILITY OF SERVICE**

Available to public schools wholly supported by public taxation purchasing their entire requirements for electric service from the Company.

**MONTHLY RATE** (Tariff Code 640)

Service Charge . . . . . \$28.85 per customer

Energy Charge . . . . . 10.087 cents per KWH

**ELECTRIC HEATING**

Where an entire school building or an addition thereto, is heated 100 percent electrically, KWH in excess of 500 KWH per month multiplied by the number of classrooms in the entire school will be billed at the rate of 8.659 cents per KWH subject to a Minimum Charge equal to the monthly service charge. (Tariff Code 641)

Where every energy requirement, including, but not limited to heating, cooling, and water heating, of an individual school building or an addition to an existing school building is supplied by electricity furnished by the Company, all energy for that building or addition shall be billed at 8.659 cents per KWH subject to a Minimum Charge equal to the monthly service charge. (Tariff Code 642)

The term "classroom", for the purpose of determining billing under this provision, shall be defined as any room used regularly for the instruction of pupils, including but not limited to general classrooms, industrial shops, domestic science rooms, music rooms, kindergartens and laboratories. Customer shall furnish Company upon request information necessary to establish the number of classrooms to be used for billing purposes hereunder.

**MINIMUM CHARGE**

This tariff is subject to a minimum monthly charge equal to the service charge.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**MEASUREMENT OF ENERGY**

Energy supplied hereunder will be delivered through not more than 1 single-phase and/or 1 poly-phase meter.

**METERED VOLTAGE ADJUSTMENT**

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH values will be adjusted for billing purposes. If the Company elects to adjust KWH based on multipliers, the adjustment shall be in accordance with the following:

1. Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
2. Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

**TERM OF CONTRACT**

A written contract, may, at the Company's option, be required to fulfill the provisions of the Terms and Conditions of Service.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

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**TARIFF E.O.P.**

**Emergency Operating Plan**

Maintained on file with the T.R.A. is the current Emergency Operating Plan (E.O.P.) which is updated periodically as circumstances dictate.

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 16-1**  
**T.R.A. Tariff Number 2**

**TARIFF O. L.**  
**(Outdoor Lighting)**

AVAILABILITY OF SERVICE

Available for outdoor lighting to individual customers except that no light shall be installed on streets covered by municipal street lighting systems or at a location which might interfere with such system.

MONTHLY RATE

OVERHEAD LIGHTING SERVICE

- A. For each lamp with luminaire and an upsweep arm not over 6 feet in length, controlled by a photo-electric relay, where service is supplied from an existing pole and secondary facilities of the Company:

<b>Tariff Code</b>	<b>Size of Lamp in Lumens</b>	<b>Nominal Lamp Wattage</b>	<b>Lamp Type</b>	<b>Rate Per Lamp Per Month</b>
094	9,500	100	High Pressure Sodium	\$ 7.90
097	22,000	200	High Pressure Sodium	\$11.90
115	9,500	100	High Pressure Sodium Floodlight	\$10.05
107	22,000	200	High Pressure Sodium Floodlight	\$12.55
109	50,000	400	High Pressure Sodium Floodlight	\$17.45
120	50,000	400	High Pressure Sodium Shoebox Fixture	\$20.70
110	17,000	250	Metal Halide Floodlight	\$14.55
116	28,800	400	Metal Halide Floodlight	\$17.65

When service cannot be supplied from an existing pole of the Company carrying a secondary circuit, the Company will install one pole and one span of secondary circuit of not over 150 feet for an additional charge of \$8.85 per month or one span of secondary circuit only of not over 150 feet for an additional charge of \$1.55 per month.

When facilities other than those specified above are to be installed by the Company, the customer will, in addition to the above monthly charge or charges, pay in advance the installation cost for the new overhead facilities extending from the nearest or most suitable pole of the Company to the point designated by the customer for the installation of said lamp.

High pressure sodium and metal halide lamps will be available for new installations only.

- B. After January 1, 1983 Mercury Vapor outdoor lighting service will be available only to customers then being served at the rates set out herein and at the present service location.

<b>Tariff Code</b>	<b>Size of Lamp in Lumens</b>	<b>Nominal Lamp Wattage</b>	<b>Lamp Type</b>	<b>Rate Per Lamp Per Month</b>
093	7,000	175	Mercury Vapor	\$10.40
095	20,000	400	Mercury Vapor	\$17.95

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**Kingsport, Tennessee**

**Original Sheet Number 16-2**  
**T.R.A. Tariff Number 2**

**TARIFF O. L.**  
**(Outdoor Lighting)**

POST-TOP LIGHTING SERVICE

- A. The Company will provide lamp, photo-electric relay control, post-top luminaire, post, and installation, including underground wiring, for a distance of 30 feet from the Company's existing secondary circuits.

<b>Tariff Code</b>	<b>Size of Lamp in Lumens</b>	<b>Nominal Lamp Wattage</b>	<b>Lamp Type</b>	<b>Rate Per Lamp Per Month</b>
111	9,500	100	High Pressure Sodium	\$12.90
122	16,000	150	High Pressure Sodium	\$34.45
103	27,500	250	High Pressure Sodium	\$36.95
123	22,000	200	High Pressure Sodium Floodlight	\$36.55
124	50,000	400	High Pressure Sodium Floodlight	\$44.45
126	36,000	400	Metal Halide Floodlight	\$44.55

- B. When a customer requires an underground circuit longer than 30 feet for post-top lighting service the customer may:
- (1) Pay to the Company in advance a charge of \$5.62 per foot for the length of underground circuit in excess of 30 feet; or
  - (2) Pay a monthly facilities charge of \$1.10 for each 25 feet (or fraction thereof) of underground circuit in excess of 30 feet.

Fixtures and poles will be standard utility grade secured from the Company's normal suppliers. The Company will be the sole judge of the suitability of the types of fixtures and poles used.

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

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**Kingsport, Tennessee**

**Original Sheet Number 16-3**  
**T.R.A. Tariff Number 2**

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**TARIFF O. L.**  
**(Outdoor Lighting)**

**TERM OF CONTRACT**

Contracts under this tariff will be for not less than 1 year for residential or farm customers, not less than 3 years for commercial or industrial customers, or not less than 5 years for other customers. The Company reserves the right to include in the contract such other provisions as it may deem necessary to insure payment of bills throughout the term of the contract.

**HOURS OF LIGHTING**

All lamps shall burn from one-half hour after sunset until one-half hour before sunrise, every night and all night, or approximately 4,000 hours per annum.

**OWNERSHIP OF FACILITIES**

All facilities necessary for service including fixtures, controls, poles, transformers, secondaries, lamps and other appurtenances shall be owned and maintained by the Company. All service and necessary maintenance will be performed only during the regular scheduled working hours of the Company. Burned out lamps will normally be replaced within 48 hours after notification by the customer.

**SPECIAL TERMS AND CONDITIONS**

This tariff is subject to the Company's Terms and Conditions of Service.

In cases where the Company is requested to replace an existing mercury vapor lamp with a high pressure sodium or metal halide lamp, the right is reserved to charge the customer an amount commensurate with the cost involved.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-1**  
**T.R.A. Tariff Number 2**

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**TARIFF N.M.S.**  
**(Net Metering Service Rider)**

**AVAILABILITY OF SERVICE**

Available for new or existing Customers who operate an eligible renewable fuel generator designed to operate in parallel with the Company's system and who request Net Metering Service (NMS) from the Company on or before December 31, 2016. NMS Customers must take service under Tariff R.S., Tariff S.G.S., Tariff M.G.S.-Secondary, or Tariff P.S. NMS is limited to those customers who do not utilize time-of-day energy charge provisions. Tariff N.M.S. is closed to new customers effective January 1, 2017.

The total capacity of all NMS Customers shall be limited to 1% of the Company's Tennessee peak load forecast ("Renewable Generator Limit"), and shall be available to customers with eligible renewable fuel generators on a first come, first serve basis. Customer's may not take service under this tariff and simultaneously take service under any alternative co-generation agreement.

**DEFINITIONS**

The following terms shall solely be used to define the applicability of Schedule N.M.S.

"Billing Period Credit" means the quantity of electricity generated and fed back into the electric grid by the customer's renewable fuel generator in excess of the electricity supplied to the customer over the billing period.

"Excess Generation" means the amount of electricity generated by the renewable fuel generator in excess of the electricity consumed by the customer over the course of the net metering period.

"Net Metering Customer (Customer)" means a customer owning and operating, or contracting with other persons to own or operate, or both, a renewable fuel generator under a net metering service arrangement.

"Net Metering Service" means providing retail electric service to a customer operating a renewable fuel generator and measuring the difference, over the net metering period between electricity supplied to the customer from the electric grid and the electricity generated and fed back to the electric grid.

"Person" means any individual, corporation, partnership, association, company, business, trust, joint venture, or other private legal entity and the State or any municipality.

"RF Generator" is an electrical generating facility which complies with all of the following requirements:

- (a) has an alternating current capacity less than or equal to 10 KW for customers taking service under Schedule R.S.;
- (b) uses solar, wind or hydro energy as its total fuel source;
- (c) the Net Metering Customer's facility is located on the customer's premises and is connected to the customer's wiring on the customer's side of its interconnection with the distributor;
- (d) is designed and installed to operate in parallel with the Company's system without adversely affecting the operation of equipment and service of the Company and its customers and without presenting safety hazards to the Company and Customer personnel; and
- (e) is intended primarily to offset all or part of the customer's own electricity requirements.

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**Kingsport, Tennessee**

**Original Sheet Number 17-2**  
**T.R.A. Tariff Number 2**

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**TARIFF N.M.S.**  
**(Net Metering Service Rider)**

**CONDITIONS OF SERVICE**

**A. Notification**

1. For a renewable fuel generator with an alternating current capacity of 25 KW or less, the customer shall submit the required Company Interconnection Notification Form to the Company at least thirty (30) days prior to the date the customer intends to interconnect the renewable fuel generator to the Company's facilities. For a renewable fuel generator with an alternating current capacity greater than 25 KW, the customer shall submit the required Interconnection Notification Form to the Company at least sixty (60) days prior to the date the customer intends to interconnect the renewable fuel generator to the Company's facilities. The submission may either be directly to the Company or by registered mail with return receipt. All sections, including appropriate signatures, of the Interconnection Notification Form must be completed for the notification to be valid. The customer shall have all equipment necessary to complete the interconnection prior to such notification. For renewable fuel generators with capacities greater than 25 KW, the customer should contact the Company prior to making financial commitments. If mailed, the date of notification shall be the third day following the mailing of the Interconnection Form. The Company shall provide a copy of the Interconnection Notification Form to the customer upon request.
2. The Company shall, within thirty (30) days of the date of notification for RF Generators with a rated capacity of 25 KW or less, and within sixty (60) days of the date of notification for RF Generators with a rated capacity greater than 25 KW, either return to the customer a copy of the valid Interconnection Notification Form or return any incomplete form. If the Company determines that the Interconnection Notification Form is incomplete or that any of the other requirements for interconnection are not satisfied, the customer shall submit another completed Interconnection Notification Form and notify the Company once the customer has completed all work necessary to satisfy the deficiencies prior to interconnection. This notification requirement shall not replace or supersede any other applicable waiting period, or required interconnection authorization when other applicable law, rule, regulation or code would permit authorization to be withheld or delayed.
3. The Net Metering Customer shall immediately notify the electric distribution company of any changes in the ownership of, operational responsibility for, or contact information for the generator. The Net Metering Customer shall not assign this tariff or any part hereof without the prior written consent of the Company, and such authorized assignment may result in the termination of availability of tariff to Customer.

**B. Conditions of Interconnection**

1. RF Generator equipment shall be installed in accordance with the manufacturer's specifications as well as all applicable provisions of the National Electrical Code. Renewable fuel generator equipment and installations shall comply with all applicable safety and performance standards of the National Electrical Code, the Institute of Electrical and Electronic Engineers and accredited testing laboratories in accordance with IEEE Standard 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems, July 2003, and safety and performance standards established by local and national electrical codes including, the institute of Electrical and Electronics Engineers, the National Electrical Safety Code, and Underwriters Laboratories.. Customer's renewable fuel generator equipment and installations shall also comply with the Company's Interconnection Guidelines. The Company shall provide a copy of its Interconnection Guidelines to the customer upon request.
2. The Customer shall obtain any governmental authorizations and permits required for the construction and operation of the RF Generator facility and interconnection facilities.

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Docket Number

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-3**  
**T.R.A. Tariff Number 2**

**TARIFF N.M.S.**  
**(Net Metering Service Rider)**

**CONDITIONS OF SERVICE (Cont'd)**

3. In the case of renewable fuel generators with an alternating current capacity greater than 25 KW, the following requirements shall be met before interconnection may occur:
  - a. Electric Distribution Facilities and Customer Impact Limitations. A renewable fuel generator shall not be permitted to interconnect to the Company's distribution facilities if the interconnection would reasonably lead to damage of any of the Company's facilities or would reasonably lead to voltage regulation or power quality problems at other customer revenue meters due to the incremental effect of the Company's electric distribution system, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.
  - b. Secondary, Service and Service Entrance Limitations. The capacity of the RF Generator shall be less than the capacity of the Company-owned secondary, service, and service entrance cable connected to the point of interconnection, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.
  - c. Transformer Loading Limitations. The RF Generator shall not have the ability to overload the Company's transformer, or any transformer winding, beyond manufacturer or nameplate ratings, unless the customer reimburses the Company for its costs to modify any facilities needed to accommodate the interconnection.
  - d. Integration With Company Facilities Grounding. The grounding scheme of the renewable fuel generator shall comply with IEEE 1547, Standard for Interconnecting Distributed Resources With Electric Power Systems, July 2003, and shall be consistent with the grounding scheme used by the Company. If requested by a prospective net metering customer, the Company shall assist the customer in selecting a grounding scheme the coordinates with the Company's distribution system.
  - e. Balance Limitation. The RF Generator shall not create a voltage imbalance of more than 3.0% at any other customer's revenue meter if the Company's transformer, with the secondary connected to the point of interconnection, is a three-phase transformer, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.
4. The customer shall provide a copy of its insurance policy to the Company. If the customer's renewable fuel generator does not exceed 10 KW, then such coverage shall be an amount of at least \$100,000 for the liability of the insured against loss arising out of the use of a generation facility. If the customer's renewable fuel generator exceeds 10 KW, then such coverage shall be an amount of at least \$300,000 for the liability of the insured against loss arising out of the use of a generation facility. The customer must submit evidence of such insurance to the Company with the Interconnection Notification Form.
 

The Company's receipt of evidence of liability insurance does not imply an endorsement of the terms and conditions of the coverage.

Neither party assumes any responsibility of any kind with respect to the construction, maintenance, or operation of the system or other property owned or used by the other party. The Customer agrees that the Company shall not be liable for any claims, costs, losses, suits or judgments for damages to any Person or property in any way resulting from, growing out of, or arising in or in connection with the use of, or contact with, energy delivered after it is delivered to Customer and while it is flowing through the lines of Customer, or is being distributed by Customer, or is being used by retail load.
5. Following Notification by the Customer, the Company shall have the right to inspect and test the RF Generator equipment and installation prior to interconnection. The nature and extent of these tests shall be determined solely by the Company. The Company reserves the right to conduct additional tests and inspections and to install additional equipment or meters at any time following interconnection of the RF Generator. The Customer shall not commence parallel operation of the RF Generator until the facility has been approved by the Company. Notwithstanding the foregoing, the Company's approval to operate the facility in parallel with the Company's system should not be construed as an endorsement, confirmation, warranty, guarantee, or representation concerning the safety, operating characteristics, durability of reliability of the RF Generator.

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 By: Charles Patton, President

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-4**  
**T.R.A. Tariff Number 2**

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**TARIFF N.M.S.**  
**(Net Metering Service Rider)**

6. The RF Generator installation must have a visibly open, lockable, manual disconnect switch which is accessible by the Company at all hours and clearly labeled. A licensed certified technician must certify via the Interconnection Notification Form that the disconnection switch has been installed properly. The Company reserves the right to install any additional equipment, including controls and meters, at the facility.
7. The Customer shall periodically maintain and test the RF Generator in accordance with the manufacturer's specifications and all applicable safety and performance standards. The Customer shall notify the Company at least fourteen (14) days prior to making any material changes to the renewable fuel generator facility or installation, including, but not necessarily limited to, any modification to the equipment or protective equipment settings or disconnection of the RF Generator from the Company's system, excluding temporary disconnects for routine maintenance. Modifications or changes made to the RF Generator shall be evaluated by the Company prior to being made. The Customer shall provide detailed information describing the modifications or changes to the Company in writing prior to making the modification the RF Generator. The Company shall review the proposed changes to the RF Generator and provide the results of its evaluation to the Customer within sixty (60) days of receipt of the Customer's proposal. Any items that would prevent parallel operation due to violation of applicable safety standards and/or power generation limits shall be explained along with a description of the modifications necessary to remedy violations. Following a notification of disconnection of the renewable fuel generator, the customer must again complete the Notification process specified above prior to any subsequent reconnection.

In addition, the customer shall notify the Company immediately regarding either any damage to the RF Generator facility or safety-related emergency disconnections.
8. The Company may enter the Customer's premises to inspect the Customer's protective devices and read or test the meter. The Company may disconnect the interconnection facilities without notice if the Company reasonably believes a hazardous condition exists and such immediate action is necessary to protect persons, or the Company's facilities, or property of others from damage or interference caused by the Customer's facilities.
9. Interconnection authorization is not transferable or assignable to other persons or service locations.

**C. Other**

1. The Company shall not be obligated to accept energy from the Customer and may require Customer to interrupt or reduce delivery of energy, when necessary, in order to construct, install, repair, replace, remove, investigate, or inspect any of the Company's equipment or part of its system; or if it reasonably determines that curtailment, interruption, or reduction is necessary because of emergencies, forced outage, force majeure, or compliance with prudent electrical practices. Whenever possible, the Company shall give the Customer reasonable notice of the possibility that interruption or reduction of deliveries may be required. Notwithstanding any other provision of this tariff, if at any time the Company reasonably determines that either the Renewable fuel generator facility may endanger the Company's personnel or other persons or property, or the continued operation of the RF Generator may endanger the integrity of safety of the Company's system, the Company shall reserve the right to disconnect and lock out the RF Generator from the Company's system. The RF Generator shall remain disconnected until such time as the Company is reasonably satisfied that the conditions referenced in this section have been satisfied.
2. To the fullest extent permitted by law, neither customer nor company, nor their respective officers, directors, agents, and employees members parents or affiliates, successors or assigns, or their respective officers directors, agents, nor employees successors or assigns shall be liable to the other party or their respective members, parents, subsidiaries, affiliates, officers, directors, agents employees successors or assigns, for claims ,suits, actions or causes of action for incidental, indirect, special, punitive ,multiple, or consequential damages connected with or resulting from performance or non-performance of such agreement , or any actions undertaken in connection with or related to this agreement, including without limitation, any such damages which are based upon causes of action for breach of contract, tort (including negligence and misrepresentation), breach of warranty, strict liability, statute, operation of law under any indemnity provision or any other theory of recovery. The obligor's liability shall be limited to direct damages only, and such direct damages shall be the sole and exclusive measure of damages and all other judicial remedies or damages are waived. The provisions of this section shall apply regardless of fault and shall survive termination, cancellation, suspension, completion or expiration of this agreement. Notwithstanding anything in this section to the contrary, any provisions of this section will not apply to the extent it is finally determined by a court of competent jurisdiction, including appellate review if pursued, to violate the laws of the Constitution of the State of Tennessee.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-5**  
**T.R.A. Tariff Number 2**

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**TARIFF N.M.S.**  
**(Net Metering Service Rider)**

**FACILITIES CHARGES**

The customer is responsible for all equipment and installation costs of the renewable fuel generator facility.

The Company shall inspect the inverter settings of a static inverter-connected renewable fuel generator with capacity in excess of 10 KW prior to interconnection. The customer shall pay \$50 to the Company for each generator that requires inspection.

The Company shall inspect the protective equipment settings of a non-static inverter-connected renewable fuel generator prior to interconnection. The customer shall pay \$50 to the Company for each generator that requires inspection.

The customer shall pay to the Company any additional charges, as determined by the Company, for equipment, labor, metering, testing or inspections requested by the customer.

**METERING**

Net metered energy shall be measured in accordance with standard metering practices by metering equipment capable of measuring (but not necessarily displaying) power flow in both directions.

In instances where a Net Metering Customer has requested, and where the electric distribution company would not have otherwise installed, metering equipment, the Company may charge the Net Metering Customer its actual cost of installing any additional equipment necessary to implement Net Metering Service.

**MONTHLY CHARGES**

All monthly charges shall be in accordance with the Tariff under which the customer takes service. Such charges shall be based on the customer's net energy for the billing period, to the extent that the net energy exceeds zero. To the extent that a customer's net energy is zero or negative during the billing period, the customer shall pay only the non-usage sensitive charges of the Tariff. The customer shall receive no compensation from the Company for Excess Generation during the billing period. The Excess Generation during the billing period shall be carried forward and credited against positive energy usage in subsequent billing periods.

The Net Metering Period shall be defined as each successive 12-month period beginning with the first meter reading date following the date of interconnection of the RF Generator with the Company's facilities. Any Excess Generation at the end of a Net Metering Period shall be carried forward to the next Net Metering Period only to the extent that the Excess Generation does not exceed the customer's billed consumption for the current net metering period, adjusted to exclude accumulated billing credit carried forward and applied from the previous Net Metering Period.

Excess generation is not transferable, and the Customer, shall receive no compensation from the Company for any Excess generation upon termination of service from the Company.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-6**  
**T.R.A. Tariff Number 2**

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**TARIFF N.M.S.-2**  
**(Net Metering Service Rider 2)**

**AVAILABILITY OF SERVICE**

Available for new or existing Customers who operate an eligible renewable fuel generator designed to operate in parallel with the Company's system and who request Net Metering Service (NMS) from the Company. Residential N.M.S. Customers must take service under Tariff R.S.-D to receive N.M.S. Non-residential N.M.S. Customers must be taking service under Tariff S.G.S., Tariff M.G.S.-Secondary, or Tariff P.S. and change to service under Tariff S.G.S.-D. to receive N.M.S.

The total capacity of all NMS Customers shall be limited to 1% of the Company's Tennessee peak load forecast ("Renewable Generator Limit"), and shall be available to customers with eligible renewable fuel generators on a first come, first serve basis. Customer's may not take service under this tariff and simultaneously take service under any alternative co-generation agreement.

**DEFINITIONS**

The following terms shall solely be used to define the applicability of Tariff N.M.S.

"Billing Period Credit" means the quantity of electricity generated and fed back into the electric grid by the customer's renewable fuel generator in excess of the electricity supplied to the customer over the billing period.

"Excess Generation" means the amount of electricity generated by the renewable fuel generator in excess of the electricity consumed by the customer over the course of the net metering period.

"Net Metering Customer (Customer)" means a customer owning and operating, or contracting with other persons to own or operate, or both, a renewable fuel generator under a net metering service arrangement.

"Net Metering Service" means providing retail electric service to a customer operating a renewable fuel generator and measuring the difference, over the net metering period between electricity supplied to the customer from the electric grid and the electricity generated and fed back to the electric grid.

"Person" means any individual, corporation, partnership, association, company, business, trust, joint venture, or other private legal entity and the State or any municipality.

"RF Generator" is an electrical generating facility which complies with all of the following requirements:

- (a) has an alternating current capacity less than or equal to 10 KW for customers taking service under Tariff R.S.-D;
- (b) uses solar, wind or hydro energy as its total fuel source;
- (c) the Net Metering Customer's facility is located on the customer's premises and is connected to the customer's wiring on the customer's side of its interconnection with the distributor;
- (d) is designed and installed to operate in parallel with the Company's system without adversely affecting the operation of equipment and service of the Company and its customers and without presenting safety hazards to the Company and Customer personnel; and
- (e) is intended primarily to offset all or part of the customer's own electricity requirements.

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**Kingsport, Tennessee**

**Original Sheet Number 17-7**  
**T.R.A. Tariff Number 2**

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**TARIFF N.M.S.-2**  
**(Net Metering Service Rider 2)**

**CONDITIONS OF SERVICE**

**A. Notification**

1. For a renewable fuel generator with an alternating current capacity of 25 KW or less, the customer shall submit the required Company Interconnection Notification Form to the Company at least thirty (30) days prior to the date the customer intends to interconnect the renewable fuel generator to the Company's facilities. For a renewable fuel generator with an alternating current capacity greater than 25 KW, the customer shall submit the required Interconnection Notification Form to the Company at least sixty (60) days prior to the date the customer intends to interconnect the renewable fuel generator to the Company's facilities. The submission may either be directly to the Company or by registered mail with return receipt. All sections, including appropriate signatures, of the Interconnection Notification Form must be completed for the notification to be valid. The customer shall have all equipment necessary to complete the interconnection prior to such notification. For renewable fuel generators with capacities greater than 25 KW, the customer should contact the Company prior to making financial commitments. If mailed, the date of notification shall be the third day following the mailing of the Interconnection Form. The Company shall provide a copy of the Interconnection Notification Form to the customer upon request.
2. The Company shall, within thirty (30) days of the date of notification for RF Generators with a rated capacity of 25 KW or less, and within sixty (60) days of the date of notification for RF Generators with a rated capacity greater than 25 KW, either return to the customer a copy of the valid Interconnection Notification Form or return any incomplete form. If the Company determines that the Interconnection Notification Form is incomplete or that any of the other requirements for interconnection are not satisfied, the customer shall submit another completed Interconnection Notification Form and notify the Company once the customer has completed all work necessary to satisfy the deficiencies prior to interconnection. This notification requirement shall not replace or supersede any other applicable waiting period, or required interconnection authorization when other applicable law, rule, regulation or code would permit authorization to be withheld or delayed.
3. The Net Metering Customer shall immediately notify the electric distribution company of any changes in the ownership of, operational responsibility for, or contact information for the generator. The Net Metering Customer shall not assign this tariff or any part hereof without the prior written consent of the Company, and such authorized assignment may result in the termination of availability of tariff to Customer.

**B. Conditions of Interconnection**

1. RF Generator equipment shall be installed in accordance with the manufacturer's specifications as well as all applicable provisions of the National Electrical Code. Renewable fuel generator equipment and installations shall comply with all applicable safety and performance standards of the National Electrical Code, the Institute of Electrical and Electronic Engineers and accredited testing laboratories in accordance with IEEE Standard 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems, July 2003, and safety and performance standards established by local and national electrical codes including, the Institute of Electrical and Electronics Engineers, the National Electrical Safety Code, and Underwriters Laboratories. Customer's renewable fuel generator equipment and installations shall also comply with the Company's Interconnection Guidelines. The Company shall provide a copy of its Interconnection Guidelines to the customer upon request.
2. The Customer shall obtain any governmental authorizations and permits required for the construction and operation of the RF Generator facility and interconnection facilities.

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**Original Sheet Number 17-8**  
**T.R.A. Tariff Number 2**

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**TARIFF N.M.S.-2**  
**(Net Metering Service Rider 2)**

**CONDITIONS OF SERVICE (Cont'd)**

3. In the case of renewable fuel generators with an alternating current capacity greater than 25 KW, the following requirements shall be met before interconnection may occur:
- a. Electric Distribution Facilities and Customer Impact Limitations. A renewable fuel generator shall not be permitted to interconnect to the Company's distribution facilities if the interconnection would reasonably lead to damage of any of the Company's facilities or would reasonably lead to voltage regulation or power quality problems at other customer revenue meters due to the incremental effect of the Company's electric distribution system, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.
  - c. Secondary, Service and Service Entrance Limitations. The capacity of the RF Generator shall be less than the capacity of the Company-owned secondary, service, and service entrance cable connected to the point of interconnection, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.
  - c. Transformer Loading Limitations. The RF Generator shall not have the ability to overload the Company's transformer, or any transformer winding, beyond manufacturer or nameplate ratings, unless the customer reimburses the Company for its costs to modify any facilities needed to accommodate the interconnection.
  - d. Integration With Company Facilities Grounding. The grounding scheme of the renewable fuel generator shall comply with IEEE 1547, Standard for Interconnecting Distributed Resources With Electric Power Systems, July 2003, and shall be consistent with the grounding scheme used by the Company. If requested by a prospective net metering customer, the Company shall assist the customer in selecting a grounding scheme the coordinates with the Company's distribution system.
  - e. Balance Limitation. The RF Generator shall not create a voltage imbalance of more than 3.0% at any other customer's revenue meter if the Company's transformer, with the secondary connected to the point of interconnection, is a three-phase transformer, unless the customer reimburses the Company for its cost to modify any facilities needed to accommodate the interconnection.
4. The customer shall provide a copy of its insurance policy to the Company. If the customer's renewable fuel generator does not exceed 10 KW, then such coverage shall be an amount of at least \$100,000. If the customer's renewable fuel generator exceeds 10 KW, then such coverage shall be an amount of at least \$300,000. The customer must submit evidence of such insurance to the Company with the Interconnection Notification Form.
- The Company's receipt of evidence of liability insurance does not imply an endorsement of the terms and conditions of the coverage.
- Neither party assumes any responsibility of any kind with respect to the construction, maintenance, or operation of the system or other property owned or used by the other party. The Customer agrees that the Company shall not be liable for any claims, costs, losses, suits or judgments for damages to any Person or property in any way resulting from, growing out of, or arising in or in connection with the use of, or contact with, energy delivered after it is delivered to Customer and while it is flowing through the lines of Customer, or is being distributed by Customer, or is being used by retail load.
5. Following Notification by the Customer, the Company shall have the right to inspect and test the RF Generator equipment and installation prior to interconnection. The nature and extent of these tests shall be determined solely by the Company. The Company reserves the right to conduct additional tests and inspections and to install additional equipment or meters at any time following interconnection of the RF Generator. The Customer shall not commence parallel operation of the RF Generator until the facility has been approved by the Company. Notwithstanding the foregoing, the Company's approval to operate the facility in parallel with the Company's system should not be construed as an endorsement, confirmation, warranty, guarantee, or representation concerning the safety, operating characteristics, durability or reliability of the RF Generator.

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**Kingsport, Tennessee**

**Original Sheet Number 17-9**  
**T.R.A. Tariff Number 2**

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**TARIFF N.M.S.-2**  
**(Net Metering Service Rider 2)**

6. The RF Generator installation must have a visibly open, lockable, and manual disconnect switch which is accessible by the Company at all hours and clearly labeled. A licensed certified technician must certify via the Interconnection Notification Form that the disconnection switch has been installed properly. The Company reserves the right to install any additional equipment, including controls and meters, at the facility.
7. The Customer shall periodically maintain and test the RF Generator in accordance with the manufacturer's specifications and all applicable safety and performance standards. The Customer shall notify the Company at least fourteen (14) days prior to making any material changes to the renewable fuel generator facility or installation, including, but not necessarily limited to, any modification to the equipment or protective equipment settings or disconnection of the RF Generator from the Company's system, excluding temporary disconnects for routine maintenance. Modifications or changes made to the RF Generator shall be evaluated by the Company prior to being made. The Customer shall provide detailed information describing the modifications of changes to the Company in writing prior to making the modification the RF Generator. The Company shall review the proposed changes to the RF Generator and provide the results of its evaluation to the Customer within sixty (60) days of receipt of the Customer's proposal. Any items that would prevent parallel operation due to violation of applicable safety standards and/or power generation limits shall be explained along with a description of the modifications necessary to remedy violations. Following a notification of disconnection of the renewable fuel generator, the customer must again complete the Notification process specified above prior to any subsequent reconnection.  
  
In addition, the customer shall notify the Company immediately regarding either any damage to the RF Generator facility or safety-related emergency disconnections.
8. The Company may enter the Customer's premises to inspect the Customer's protective devices and read or test the meter. The Company may disconnect the interconnection facilities without notice if the Company reasonably believes a hazardous condition exists and such immediate action is necessary to protect persons, or the Company's facilities, or property of others from damage or interference caused by the Customer's facilities.
9. Interconnection authorization is not transferable or assignable to other persons or service locations.

**C. Other**

1. The Company shall not be obligated to accept energy from the Customer and may require Customer to interrupt or reduce delivery of energy, when necessary, in order to construct, install, repair, replace, remove, investigate, or inspect any of the Company's equipment or part of its system; or if it reasonably determines that curtailment, interruption, or reduction is necessary because of emergencies, forced outage, force majeure, or compliance with prudent electrical practices. Whenever possible, the Company shall give the Customer reasonable notice of the possibility that interruption or reduction of deliveries may be required. Notwithstanding any other provision of this tariff, if at any time the Company reasonably determines that either the Renewable fuel generator facility may endanger the Company's personnel or other persons or property, or the continued operation of the RF Generator may endanger the integrity of safety of the Company's system, the Company shall reserve the right to disconnect and lock out the RF Generator from the Company's system. The RF Generator shall remain disconnected until such time as the Company is reasonably satisfied that the conditions referenced in this section have been satisfied.

2. To the fullest extent permitted by law, neither customer nor company, nor their respective officers, directors, agents, and employees members parents or affiliates, successors or assigns, or their respective officers directors, agents, nor employees successors or assigns shall be liable to the other party or their respective members, parents, subsidiaries, affiliates, officers, directors, agents employees successors or assigns, for claims ,suits, actions or causes of action for incidental, indirect, special, punitive ,multiple, or consequential damages connected with or resulting from performance or non-performance of such agreement , or any actions undertaken in connection with or related to this agreement, including without limitation, any such damages which are based upon causes of action for breach of contract, tort (including negligence and misrepresentation), breach of warranty, strict liability, statute, operation of law under any indemnity provision or any other theory of recovery. The obligor's liability shall be limited to direct damages only, and such direct damages shall be the sole and exclusive measure of damages and all other judicial remedies or damages are waived. The provisions of this section shall apply regardless of fault and shall survive termination, cancellation, suspension, completion or expiration of this agreement. Notwithstanding anything in this section to the contrary, any provisions of this section will not apply to the extent it is finally determined by a court of competent jurisdiction, including appellate review if pursued, to violate the laws of the Constitution of the State of Tennessee.

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**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 17-10**  
**T.R.A. Tariff Number 2**

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**TARIFF N.M.S.-2**  
**(Net Metering Service Rider 2)**

**FACILITIES CHARGES**

The customer is responsible for all equipment and installation costs of the renewable fuel generator facility.

The Company shall inspect the inverter settings of a static inverter-connected renewable fuel generator with capacity in excess of 10 KW prior to interconnection. The customer shall pay \$50 to the Company for each inspection.

The Company shall inspect the protective equipment settings of a non-static inverter-connected renewable fuel generator prior to interconnection. The customer shall pay \$50 to the Company for each inspection.

The customer shall pay to the Company any additional charges, as determined by the Company, for equipment, labor, metering, testing or inspections requested by the customer.

**METERING**

Net metered energy shall be measured in accordance with standard metering practices by metering equipment capable of measuring (but not necessarily displaying) power flow in both directions.

In instances where a Net Metering Customer has requested, and where the electric distribution company would not have otherwise installed, metering equipment, the Company may charge the Net Metering Customer its actual cost of installing any additional equipment necessary to implement Net Metering Service.

**MONTHLY CHARGES**

All monthly charges shall be in accordance with Tariff R.S.-D. or S.G.S.-D. under which the customer takes service. Such charges shall be based on the customer's net energy for the billing period, to the extent that the net energy exceeds zero. To the extent that a customer's net energy is zero or negative during the billing period, the customer shall pay only the non-usage sensitive charges of the Tariff. The customer shall receive no compensation from the Company for Excess Generation during the billing period. The Excess Generation during the billing period shall be carried forward and credited against positive energy usage in subsequent billing periods.

The Net Metering Period shall be defined as each successive 12-month period beginning with the first meter reading date following the date of interconnection of the RF Generator with the Company's facilities. Any Excess Generation at the end of a Net Metering Period shall be carried forward to the next Net Metering Period only to the extent that the Excess Generation does not exceed the customer's billed consumption for the current net metering period, adjusted to exclude accumulated billing period credits carried forward and applied from the previous Net Metering Period.

Excess generation is not transferable, and the Customer, shall receive no compensation from the Company for any Excess generation upon termination of service from the Company.

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 18-1**  
**T.R.A. Tariff Number 2**

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**TARIFF RTODR**  
**(Regional Transmission Organization Demand Response Rider)**

**AVAILABILITY OF SERVICE**

Non-residential customers may participate in any regional transmission organization (RTO) demand response programs directly or through a third party Curtailment Service Provider (CSP), including all emergency, economic and ancillary programs, except as specifically provided herein. PJM Interconnection, LLC (PJM) is the Company's RTO. Consistent with current RTO rules, customers may qualify to act as their own CSP.

This Tariff shall apply to customers and CSPs that qualify for the RTO emergency (capacity) demand response program, and any successors to that program. This Tariff shall only apply during RTO delivery years for which the Fixed Resource Requirement (FRR) Alternative of the RTO Reliability Pricing Model (RPM) is applicable to the Company. RTO delivery years begin on June 1 and end on May 31. The Company shall notify all registered CSPs within 5 business days of any change in the Company's status as part of the FRR Alternative.

This Tariff is available for at least 35 MWs of emergency demand response from customers in the Company's Tennessee service territory that qualify for the RTO emergency demand response program, on a first-nominated by March 1 of each year, first-served basis. The Company reserves the right, but is not required, to purchase MWs of emergency demand response in excess of 35 MW. There is no limitation on the amount of demand response that can participate in economic, ancillary or other RTO demand response programs.

**CONDITIONS OF SERVICE**

- (1) The Terms and Conditions of RTO demand response programs are subject to change, from time to time, as approved by the Federal Energy Regulatory Commission.
- (2) The customer is ultimately responsible for compliance with the terms and conditions of the RTO demand response program and the terms of any contract(s) between the customer and a CSP.
- (3) All notifications to customer regarding the demand response program will be directly from the RTO or CSP.
- (4) All charges, credits and payments to customer under the demand response program will be directly from the CSP.
- (5) The customer or CSP shall provide advance notice to the Company of any test scheduled for purposes of compliance with the RTO demand response program of which it has received advance notice.
- (6) The customer must provide written authorization to the Company before any customer specific information will be released to a CSP.
- (7) Upon request of the customer or CSP, the Company will provide interval and/or pulse metering. The Company will work with customers and CSPs to install interval and/or pulse metering in a timely fashion. The incremental cost of any such metering shall be borne by the customer or CSP, and will be based upon the Company's costs of such metering.
- (8) CSP's must comply with all requirements of the RTO and have on file with the Tennessee Regulatory Authority a current CSP registration form.
- (9) **NO RESPONSIBILITY OR LIABILITY OF ANY KIND SHALL ATTACH TO OR BE INCURRED BY THE COMPANY OR THE AEP SYSTEM FOR, OR ON ACCOUNT OF, ANY LOSS, COST, EXPENSE, OR DAMAGE CAUSED BY OR RESULTING FROM, EITHER DIRECTLY OR INDIRECTLY, ANY DEMAND RESPONSE UNDER THE PROVISIONS OF THIS TARIFF.**

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**TARIFF RTODR**  
**(Regional Transmission Organization Demand Response Rider)**

**CSP CONTRACT FOR EMERGENCY DEMAND RESPONSE CAPACITY (Contract)**

CSPs and customers acting as their own CSP that participate in an RTO emergency demand response program shall enter into a Contract with the Company. A CSP will have a single Contract with the Company for the aggregate emergency demand response capacity associated with customers of the Company. Such Contract will provide for the transfer/assignment of the nominated amount of RTO emergency demand response capacity to the Company so that the Company may use such capacity to meet its RTO FRR obligations. For purposes of this Tariff, an RTO emergency demand response program shall be any RTO demand response program that meets the RTO's requirements to be considered a capacity resource under the RTO Reliability Pricing Model.

By January 15 of each year, such CSPs and customers acting as their own CSP shall provide a non binding forecast of the amount of emergency demand response capacity expected to be provided for each of the following four (4) RTO delivery years. Such forecast shall be prepared on a good faith basis to be as accurate as reasonably possible to allow the Company to rely upon the projected resources to meet its FRR commitment and incorporate such capacity in its FRR capacity plan.

By March 1 of each year, such CSPs and customers acting as their own CSP shall nominate to the Company the amount of emergency demand response capacity to be provided for the upcoming June 1 through May 31 RTO delivery year.

**COMPANY PAYMENT FOR EMERGENCY DEMAND RESPONSE CAPACITY**

The Company will pay the CSPs and customers acting as their own CSP that participate in an RTO emergency demand response program for the amount of RTO emergency demand response capacity nominated to the Company as of March 1 for each upcoming delivery year. CSPs and customers acting as their own CSP shall, prior to the applicable RTO deadline, transfer/assign capacity to the Company's FRR obligation according to the RTO's requirements in an amount not less than the amount nominated as of March 1. Payments will be made monthly and shall be calculated as the product of the MWs of capacity transferred/assigned, the Company's Weighted Daily Revenue Rate, and the number of days in the month.

The Weighted Daily Revenue Rate shall be the average rate in \$/MW-day for all cleared MW, weighted by the megawatts cleared at each clearing price. Cleared MW shall include all cleared sell offers in the applicable Locational Delivery Area from each RPM auction (Base Residual Auction, First Incremental Auction, Second Incremental Auction and Third Incremental Auction) for the relevant PJM delivery year.

Any non-compliance charges, deficiency charges (should the amount of capacity registered with the RTO by the CSP or customers acting as their own CSP, be less than the amount nominated as of March 1), test failure charges or other charges assessed to the Company by the RTO related to the capacity transferred/assigned by a CSP to the Company shall be the responsibility of that particular CSP or customer acting as its own CSP. For billing and payment purposes, the Company may net any such charges against payments due to such CSP or customer under this Tariff.

**KINGSPORT POWER COMPANY**  
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**Kingsport, Tennessee**

**Original Sheet Number 18-3**  
**T.R.A. Tariff Number 2**

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**TARIFF RTODR**  
**(Regional Transmission Organization Demand Response Rider)**

**SPECIAL TERMS AND CONDITIONS**

Participation in the RTO Emergency Demand Response Program in order to satisfy any commitments by customers or CSPs on behalf of customers in existence as of November 21, 2012 that provided for the sale of emergency demand response capacity in the RTO RPM auction for delivery years ending no later than May 31, 2016 shall be allowed, in lieu of use of the emergency demand response capacity to meet the Company's FRR obligations.

Customer specific information shall remain confidential unless specified in writing by the customer. Customers and CSPs agree to work with the Company to provide any information related to service under this Tariff necessary to satisfy any RTO or regulatory requirements.

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**RESERVED FOR FUTURE USE**

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 20**  
**T.R.A. Tariff Number 2**

### **STORM DAMAGE RIDER**

1. Surcharge

Pursuant to the provisions of this Rider, a Storm Damage Rider surcharge will be applied to each kilowatt-hour, kilowatt or lamp as billed under the Company's filed tariffs.

The Storm Damage Rider surcharge applicable to each tariff is set below:

<b><u>Tariff</u></b>	<b><u>Energy Rate</u> (\$) / KWH</b>	<b><u>Demand Rate</u> (\$) / KW</b>	<b><u>Lamp Rate</u> (\$) / Lamp</b>
RS	--	--	--
SGS	---	--	--
MGS	--	--	--
EHG	--	--	--
CS	--	--	--
PS	--	--	--
LGS	--	--	--
IP-PRI	--	--	--
IP-TRANS	--	--	--
OL	--	--	--

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**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 21-1**  
**T.R.A. Number 2**

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**OPTIONAL RIDER R.P.R.P.**  
**(Residential Peak Reduction Program)**

**AVAILABILITY OF SERVICE**

Available on a voluntary basis to customers receiving residential electric service. Participation is limited to the first three hundred (300) residential customers who register for the program in any particular calendar year and any customers who registered for the program in any prior calendar year.

For non-owner occupied dwellings, the Company may require permission from the owner to install load control equipment and, if necessary, auxiliary communicating devices. Customers will not be eligible for this Rider if the owner does not allow installation of such equipment.

**CONDITIONS OF SERVICE**

- (1) To participate, customers must allow the Company, or its authorized agents, to install load control equipment and, if necessary, auxiliary communicating devices to control the customer's central electric cooling unit(s). All such devices shall be installed at a time that is consistent with the orderly and efficient deployment of this program. The Company will utilize the installed control devices to reduce customer's energy use during load management events. Load management events consist of Company planned load management events and PJM load management events. The Company plans to control devices for up to 150 hours per year, or up to twenty-five (25) load management events, with no single event lasting more than six (6) consecutive hours. The Company plans to initially utilize a 50% cycling strategy of the central electric cooling unit(s) during summer months. However, the Company may employ other cycling strategies to optimize load reduction. Before implementing other cycling strategies, the Company shall consider any reasonably expected material effects on customer comfort.
- (2) Company planned load management events shall not exceed six (6) hours per day. Such non-emergency load management events shall not exceed 15 events per year and shall occur only during the months of May through September between Noon and 8 pm. The customer may opt out of a single Company planned load management event per year. PJM load management events (for emergency and pre-emergency purposes) shall not exceed 10 events per PJM planning year (June 1 – May 31) and not last longer than six (6) hours duration. Emergencies and pre-emergencies shall be determined by PJM as defined in PJM Manual 13 – Emergency Operations. PJM load management events can only occur between Noon and 8 pm on weekdays during June through September.
- (3) The Company or its authorized agents will furnish and install, with the customer's permission, load control equipment, and, if necessary, an auxiliary communicating device at the customer's residence. All equipment will be owned and maintained by the Company. If the Residential Peak Reduction Program is discontinued or the customer requests to be removed from the program after completing the initial mandatory period of one (1) year, the load control equipment and any auxiliary communicating devices will be removed by the Company or its authorized agents. The customer is not required to pay a deposit for any load control or auxiliary communicating equipment; however, failure to relinquish the load control equipment and/or auxiliary communicating device in good working order may result in additional charges to repair or replace the equipment and device. If the equipment and/or device malfunctions through no fault of the customer, the Company will replace or repair at its expense.
- (4) The Company and its authorized agents shall be permitted access to the customer's premises during normal business hours to install, inspect, test, or maintain the load control device(s). The Company may also be allowed access to the customer's premise to repair or remove faulty load control device(s). In the event the Company requires access to load control device(s), and the customer does not provide such access within 30 days of the request, then the Company may discontinue the Rate Credit until such time as the Company is able to gain the required access. The Company shall not be responsible for the repair, maintenance or replacement of any customer-owned equipment. The Company may collect data during the course of this load control program. Customer-specific information will be held as confidential and data presented in any analysis will protect the identity of the individual customer.



**KINGSPORT POWER COMPANY**  
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**Kingsport, Tennessee**

**Original Sheet Number 21-2**  
**T.R.A. Number 2**

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**OPTIONAL RIDER R.P.R.P.**  
**(Residential Peak Reduction Program)**

CUSTOMER CREDIT

Customers shall receive an \$8.00 monthly billing credit for each central electric cooling unit controlled during the billing months of May to September for a maximum of \$40.00 annual billing credit for each central electric cooling unit. Such credit shall not reduce the customer's bill below the minimum charge as specified in the tariff under which the customer takes service.

TERM

Participating customers must agree to participate for an initial period of one (1) year and thereafter may discontinue participation by providing three business days' notice by telephone. This Rider will be closed after a period of three (3) years from the original Rider effective date unless otherwise ordered by the Authority.

SPECIAL TERMS AND CONDITIONS

This Rider is subject to the Company's Terms and Conditions of Service and all provisions of the tariff under which the Customer takes service, including all payment provisions, as they may be amended from time to time. The customer will not qualify for the program and the Company shall not be required to install load control equipment if the installation cannot be justified for reasons such as: technological limitations, safety concerns, or inadequate usage of electric service resulting from limited occupancy of a residence.

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**Original Sheet Number 22-1**  
**T.R.A. Number 2**

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**TARIFF S.B.S.**  
**(Standby Service)**

**AVAILABILITY OF SERVICE**

Standby Service is available to customers who take service from the Company and are requesting standby electric service for power production facilities, including renewable energy cogeneration facilities, designed to supply some or all of their electricity requirements, which operate in parallel with the Company's system without adversely affecting the operation of equipment and service of the Company and its customers, and without presenting safety hazards to the Company and customer personnel. The customer shall contract for one or more of the following services:

**Supplemental Service**

Service provided to the customer to supplement the customer's power production facilities which will enable either or both sources of supply to be utilized for all or any part of the customer's total requirement.

**Backup Service**

Service provided to the customer when the customer's power production facilities are unavailable due to unscheduled maintenance.

**Maintenance Service**

Service provided to the customer when the customer's power production facilities are unavailable due to scheduled maintenance which has been approved in advance by the Company.

The Company reserves the right to limit total backup and maintenance contract capacity for all customers served under this tariff.

**CONDITIONS AND LIMITATIONS OF STANDBY SERVICE AVAILABILITY**

The conditions and limitations include, but are not limited to, the available capacity of the Company's facilities, the possibility of causing any undue interference with the Company's obligations to provide service to any of its other customers and the extent to which such backup and/or maintenance service will impose a burden on the Company's system or any system interconnected with the Company.

The provision for the Company providing backup and/or maintenance service to the customer is conditionally provided on the assumption that the customer installs, operates and maintains suitable and sufficient equipment, as reasonably specified by the Company, to protect the customer's facilities and the Company's system from damages resulting from such parallel operation, and upon the further condition that the Company shall not be liable to the customer for any loss, cost, damage, or expense which the customer may suffer by reason of damage to or destruction of any property, including the loss of use thereof, arising out of or in any manner connected with such parallel operation, unless such loss, cost, damage, or expense is caused by the negligence of the Company, its agents, or employees, and upon further condition that the customer shall not be liable to the Company for any loss, cost, damage or expense which the Company may suffer by reason of damage to or destruction of any property, including the loss of use thereof, arising out of, or in any manner connected with such parallel operation, unless such loss, cost, damage, or expense is caused by the negligence of the customer, its agents, or employees.

If the customer has not signed a supplemental service contract, the customer will be billed for all supplemental demand in excess of either backup and/or maintenance contract capacities on the appropriate supplemental service schedule and shall thereafter be subject to the terms and conditions of said supplemental service schedule.

Detents shall be used on the necessary metering to prevent reverse rotation.

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Kingsport, Tennessee

Original Sheet Number 22-2  
T.R.A. Number 2

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**TARIFF S.B.S.  
(Standby Service)**

**MONTHLY CHARGES FOR STANDBY SERVICE**

**Supplemental Service**

The customer shall contract for a specific amount of supplemental contract capacity according to the provisions of the applicable firm service Standard Tariff (hereinafter referred to as supplemental tariff). Any demand or energy not identified as backup or maintenance service shall be considered supplemental service and billed according to the applicable Standard Schedule.

**Backup Service**

1. **Determination of Backup Contract Capacity**

The backup contract capacity in kilowatts (kW) shall be initially established by mutual agreement between the customer and the Company for electrical capacity sufficient to meet the maximum backup requirements which the Company is expected to supply.

The customer shall specify the desired backup contract capacity to the nearest 50 kW as well as the desired service reliability as specified under the Monthly Backup Charge. Changes in the backup contract capacity are subject to the provisions set forth in the Term of Contract.

2. **Backup Service Notification Requirement**

Whenever backup service is needed, the customer shall verbally notify the Company within one (1) hour. Such notification shall be confirmed in writing within five (5) working days and shall specify the time and date such use commenced and termination date. If such notification is not received, the customer shall be subject to an increase in contract capacity in accordance with the provisions of the Standard Schedule under which the customer receives supplemental service and such backup demand shall be considered supplemental demand and billed accordingly.

3. **Backup Demand Determination**

Whenever backup service is supplied to the customer for use during forced outages, the customer's integrated kW demand shall be adjusted by subtracting the amount of backup contract capacity supplied by the Company. In no event shall the adjusted demand be less than zero (0). The monthly billing demand under the supplemental service schedule shall be the maximum adjusted integrated demand. If both backup and maintenance service are utilized during the same billing period, the customer's integrated demands will be adjusted for both in the appropriate period. Whenever the customer's maximum integrated demand at any time during the billing period exceeds the total of the supplemental service contract capacity and the specific request for backup and/or maintenance service, the excess demand shall be considered as supplemental demand in the determination of the billing demands under the appropriate supplemental service schedule.

4. **Backup Service Energy Determination**

Whenever backup service is utilized, backup energy shall be billed under the appropriate supplemental tariff.

**TARIFF S.B.S.  
(Standby Service)**

MONTHLY CHARGES FOR STANDBY SERVICE (Cont'd)

5. Monthly Back-up Charge

Each kilowatt of demand billed is subject to all applicable riders.

Service Voltage	% Forced Outage Rate	Maximum Outage Hours	Demand Charge \$/KW
<b>Service Reliability Level A</b>			
Secondary	5	438	7.21
Primary	5	438	5.09
Subtransmission/Transmission	5	438	0.72
<b>Service Reliability Level B</b>			
Secondary	10	876	7.96
Primary	10	876	5.83
Subtransmission/Transmission	10	876	1.44

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**TARIFF S.B.S.  
(Standby Service)**

MONTHLY CHARGES FOR STANDBY SERVICE (Cont'd)

Service Voltage	% Forced Outage Rate	Maximum Outage Hours	Demand Charge \$/kW
<b>Service Reliability Level C</b>			
Secondary	15	1,314	8.72
Primary	15	1,314	6.56
Subtransmission/Transmission	15	1,314	2.16
<b>Service Reliability Level D</b>			
Secondary	20	1,752	9.47
Primary	20	1,752	7.30
Subtransmission/Transmission	20	1,752	2.88
<b>Service Reliability Level E</b>			
Secondary	25	2,190	10.23
Primary	25	2,190	8.03
Subtransmission/Transmission	25	2,190	3.60
<b>Service Reliability Level F</b>			
Secondary	30	2,628	10.98
Primary	30	2,628	8.77
Subtransmission/Transmission	30	2,628	4.32

The total monthly backup charge is equal to the selected monthly backup demand charge times the backup contract capacity. Whenever the allowed outage hours for the respective reliability level selected by the customer are exceeded during the contract year, the customer's unadjusted integrated demands shall be used for billing purposes under the appropriate supplemental tariff for the remainder of the contract year.

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**TARIFF S.B.S.**  
**(Standby Service)**

MONTHLY CHARGES FOR STANDBY SERVICE (Cont'd)

Maintenance Service

1. Determination of Maintenance Contract Capacity

The customer may contract for maintenance service by giving at least six (6) months' advance written request as specified in the Term of Contract. Such notice shall specify the amount to the nearest fifty (50) kW not to exceed the customer's maximum maintenance service requirements during planned maintenance outages, and the effective date for the amount of contracted maintenance service.

2. Maintenance Service Notification Requirement

A major maintenance outage shall be considered as any maintenance service request greater than 5,000 kW and may be scheduled at a time consented to by the Company. Written notice shall be provided by the customer at least 180 days in advance of such scheduled outages or a lesser period by mutual agreement and shall specify the kW amount of maintenance service required, as well as the dates and times such use will commence and terminate. A major maintenance service request shall not exceed the kW capacity of the customer's power production facilities as listed in the customer's service contract.

A minor maintenance outage shall be considered as any maintenance service request of 5,000 kW or less and may be scheduled at a time consented to by the Company. Written notice shall be provided by the customer at least thirty (30) days in advance of such outage or a lesser period by mutual agreement.

If such notification is not received, the customer shall be subject to an increase in supplemental service contract capacity according to the provisions of the supplemental service schedule under which the customer is served and such maintenance service demand shall be considered as supplemental load in the determination of the billing demands.

3. Major Maintenance Service Limitation

The customer shall be limited to one major maintenance outage of 30-days duration for each generator listed in the customer's service contract in each contract year. Additional major maintenance outages or outages exceeding 30-days duration may be requested by the customer and shall be subject to approval by the Company. At the time in which any such additional or prolonged maintenance occurs, the customer shall provide to the Company notarized verification that energy provided under this provision is for maintenance use only.

4. Maintenance Service Demand Determination

Whenever a specific request for maintenance service is made by the customer, the customer's integrated demands will be adjusted by subtracting the maintenance service requested in the hours specified by the customer. The monthly billing demands under the supplemental service schedule shall be the maximum adjusted integrated demands.

If both backup and maintenance service are utilized during the same billing period, the customer's integrated demands will be adjusted for both in the appropriate hours. In no event shall the adjusted demand be less than zero (0).

Whenever the maximum integrated demand at any time during the billing period exceeds the total of the supplemental contract capacity and the specific request for maintenance and/or back-up service, the excess demand shall be considered as supplemental load in the determination of the billing demands.

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**Kingsport, Tennessee**

**Original Sheet Number 22-6**  
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**TARIFF S.B.S.**  
**(Standby Service)**

MONTHLY CHARGES FOR STANDBY SERVICE (Cont'd)

5. Maintenance Service Energy Determination

Whenever maintenance service is used, maintenance energy shall be calculated as the lesser of a) the kW of maintenance service requested multiplied by the number of hours of maintenance use or b) total metered energy. Metered energy for purposes of billing under the appropriate supplemental service schedule shall be derived by subtracting the maintenance energy from the total metered energy for the billing period.

6. Monthly Maintenance Service Charge

In addition to the monthly charges established under the supplemental service schedule, the customer shall pay the Company for maintenance energy as follows:

For each kWh of maintenance energy taken:

Service Voltage	Energy Charge ¢/kWh
Secondary	5.775
Primary	5.290
Subtransmission/Transmission	4.502

Each kilowatt-hour of energy consumed is subject to all applicable riders.

Local Facilities Charge

Charges to cover interconnection costs (including but not limited to suitable meters, relays and protective apparatus) incurred by the Company shall be determined by the Company and shall be collected from the customer. Such charges shall include the total installed cost of all local facilities. In addition, the customer shall reimburse the Company for all state and federal income taxes associated with such charges. The customer shall make a one-time payment for the Local Facilities Charge at the time of the installation of the required additional facilities, or, at his option, up to thirty-six (36) consecutive equal monthly payments reflecting an annual interest charge as determined by the Company, but not to exceed the cost of the Company's most recent issue of long-term debt. If the customer elects the installment payment option, the Company may require a reasonable security deposit. This provision applies also to customers with Standby Contract capacities less than 100kW.

PROMPT PAYMENT DISCOUNT

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

**KINGSPORT POWER COMPANY**  
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**Kingsport, Tennessee**

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**TARIFF S.B.S.**  
**(Standby Service)**

**SPECIAL PROVISION FOR CUSTOMERS WITH STANDBY CONTRACT CAPACITIES OF LESS THAN 100 kW**

Customers requesting standby service (backup and/or maintenance) with contract capacities of less than 100 kW shall execute a special contract form for a minimum of one (1) year. Contract standby capacity in kilowatts shall be set equal to the capacity of the customer's largest power production facility.

**TERM**

Contracts under this Schedule will be made for an initial period of not less than one (1) year and shall continue thereafter until either party has given six (6) months' written notice to the other of the intention to terminate the contract. The Company will have the right to make contracts for initial periods longer than one (1) year.

A 6-months' advance written request is required for any change in supplemental, backup, or maintenance service requirements, except for the initial standby service contract. All changes in the standby service contract shall be effective on the contract anniversary date. The Company shall either concur in writing or inform the customer of any conditions or limitations associated with the customer's request within sixty (60) days.

**SPECIAL TERMS AND CONDITIONS**

At its discretion, the Company may require that Company-owned metering be installed to monitor the customer's generation.

The Company reserves the right to inspect the customer's relays and protective equipment at all reasonable times.

Customers taking service under this Standard Schedule who desire to transfer to firm full requirements will be required to give the Company written notice of at least thirty-six (36) months. The Company reserves the right to reduce the notice period requirement dependent upon individual circumstances.



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**Kingsport, Tennessee**

**Original Sheet Number 23-1**  
**T.R.A. Number 2**

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**RIDER A.F.S.**  
**(Alternate Feed Service)**

**AVAILABILITY OF SERVICE**

Standard Alternate Feed Service (AFS) is a premium service providing a redundant distribution service provided through a redundant distribution line and distribution station transformer, with automatic or manual switch-over and recovery, which provides increased reliability for distribution service. Rider AFS applies to those customers requesting new or upgraded AFS after December 31, 2016 or existing AFS customers that desire to maintain redundant service when the Company must make expenditures after December 31, 2016 in order to continue providing such service.

Rider AFS is available to customers who request a primary voltage alternate feed and who normally take service under Tariffs M.G.S., L.G.S., L.G.S.-TOD, and I.P. for their basic service requirements, provided that the Company has adequate capacity in existing distribution facilities, as determined by the Company, or if changes can be made to make capacity available. AFS provided under this rider may not be available at all times, including emergency situations.

**SYSTEM IMPACT STUDY CHARGE**

The Company shall charge the customer for the actual cost incurred by the Company to conduct a system impact study for each site reviewed. The study will consist of, but is not limited to, the following: (1) identification of customer load requirements, (2) identification of the potential facilities needed to provide the AFS, (3) determination of the impact of AFS loading on all electrical facilities under review, (4) evaluation of the impact of the AFS on system protection and coordination issues including the review of the transfer switch, (5) evaluation of the impact of the AFS request on system reliability indices and power quality, (6) development of cost estimates for any required system improvements or enhancements required by the AFS, and (7) documentation of the results of the study. The Company will provide to the customer an estimate of charges for this study.

**EQUIPMENT AND INSTALLATION CHARGE**

The customer shall pay, in advance of construction, a nonrefundable amount for all equipment and installation costs for all dedicated and/or local facilities provided by the Company required to furnish either a new or upgraded AFS. The payment shall be grossed-up for federal and state income taxes, assessment fees and utility receipts taxes. The customer will not acquire any title in said facilities by reason of such payment. The equipment and installation charge shall be determined by the Company and shall include, but not be limited to, the following: (1) all costs associated with the AFS dedicated and/or local facilities provided by the Company and (2) any costs or modifications to the customer's basic service facilities.

The customer is responsible for all costs associated with providing and maintaining phone service for use with metering to notify the Company of a transfer of service to the AFS or return to basic service.

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**RIDER A.F.S.**  
**(Alternate Feed Service)**

**TRANSFER SWITCH PROVISIONS**

In the event the customer receives basic service at primary voltage, the customer shall install, own, maintain, test, inspect, operate and replace the transfer switch. Customer-owned switches are required to be at primary voltage and must meet the Company's engineering, operational and maintenance specifications. The Company reserves the right to inspect the customer-owned switches periodically and to disconnect the AFS for adverse impacts on reliability or safety.

Existing AFS customers, who receive basic service at primary voltage and are served via a Company-owned transfer switch and control module, may elect for the Company to continue ownership of the transfer switch. When the Company-owned transfer switch and/or control module requires replacement, and the customer desires to continue the AFS, the customer shall pay the Company the total cost to replace such equipment which shall be grossed up for federal and state income taxes, assessment fees and utility receipts taxes. In addition, the customer shall pay a monthly rate of \$14.69 for the Company to annually test the transfer switch / control module and the customer shall reimburse the Company for the actual costs involved in maintaining the Company-owned transfer switch and control module.

In the event a customer receives basic service at secondary voltage and requests AFS, the Company will provide the AFS at primary voltage. The Company will install, own, maintain, test, inspect and operate the transfer switch and control module. The customer shall pay the Company a nonrefundable amount for all costs associated with the transfer switch installation. The payment shall be grossed-up for federal and state income taxes, assessment fees and utility receipts taxes. In addition, the customer is required to pay the monthly rate for testing and ongoing maintenance costs defined above. When the Company-owned transfer switch and/or control module requires replacement, and the customer desires to continue the AFS, customer shall pay the Company the total cost to replace such equipment which shall be grossed up for federal and state income taxes, assessment fees and utility receipts taxes.

After a transfer of service to the AFS, a customer utilizing a manual or semi-automatic transfer switch shall return to the basic service within one (1) week or as mutually agreed to by the Company and customer. In the event system constraints require a transfer to be expedited, the Company will endeavor to provide as much advance notice as possible to the customer. However, the customer shall accomplish the transfer back to the basic service within ten minutes if notified by the Company of system constraints. In the event the customer fails to return to basic service within 12 hours, or as mutually agreed to by the Company and customer, or within ten minutes of notification of system constraints, the Company reserves the right to immediately disconnect the customer's load from the AFS source. If the customer does not return to the basic service as agreed to, or as requested by the Company, the Company may also provide 30 days' notice to terminate the AFS agreement with the customer.

The customer shall make a request to the Company for approval three days in advance for any planned switching.

**MONTHLY AFS CAPACITY RESERVATION DEMAND CHARGE**

Monthly AFS charges will be in addition to all monthly basic service charges paid by the customer under the applicable tariff.

The Monthly AFS Capacity Reservation Demand Charge for the reservation of distribution station and primary lines is \$4.36 per kW/kVA.

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**RIDER A.F.S.**  
**(Alternate Feed Service)**

**AFS CAPACITY RESERVATION**

The customer shall reserve a specific amount of AFS capacity equal to, or less than, the customer's normal maximum requirements, but in no event shall the customer's AFS capacity reservation under this rider exceed the capacity reservation for the customer's basic service under the appropriate tariff. The Company shall not be required to supply AFS capacity in excess of that reserved except by mutual agreement.

If the customer plans to increase the AFS demand at anytime in the future, the customer shall promptly notify the Company of such additional demand requirements. The customer's AFS capacity reservation and billing will be adjusted accordingly. The customer will pay the Company the actual costs of any and all additional dedicated and/or local facilities required to provide AFS in advance of construction and pursuant to an AFS construction agreement. If customer exceeds the agreed upon AFS capacity reservation, the Company reserves the right to disconnect the AFS. If the customer's AFS metered demand exceeds the agreed upon AFS capacity reservation, which jeopardizes company facilities or the electrical service to other customers, the Company reserves the right to disconnect the AFS immediately. If the Company agrees to allow the customer to continue AFS, the customer will be required to sign a new AFS agreement reflecting the new AFS capacity reservation. In addition, the customer will promptly notify the Company regarding any reduction in the AFS capacity reservation.

The customer may reserve partial-load AFS capacity, which shall be less than the customer's full requirements for basic service subject to the conditions in this provision. Prior to the customer receiving partial-load AFS capacity, the customer shall be required to demonstrate or provide evidence to the Company that they have installed demand-controlling equipment that is capable of curtailing load when a switch has been made from the basic service to the AFS. The Company reserves the right to test and verify the customer's ability to curtail load to meet the agreed upon partial-load AFS capacity reservation.

**DETERMINATION OF BILLING DEMAND**

**Full-Load Requirement:**

For customers requesting AFS equal to their load requirement for basic service, the AFS billing demand shall be taken each month as the single-highest 15-minute or 30-minute integrated peak as registered during the month by a demand meter or indicator, but the monthly AFS billing demand so established shall in no event be less than the greater of (a) the customer's AFS capacity reservation, or (b) the customer's highest previously established monthly billing demand on the AFS during the past 11 months, or (c) the customer's basic service capacity reservation, or (d) the customer's highest previously established monthly billing demand on the basic service during the past 11 months

**Partial-Load Requirement:**

For customers requesting partial-load AFS capacity reservation that is less than the customer's full requirements for basic service, the AFS billing demand shall be taken each month as the single-highest 15-minute integrated peak on the AFS as registered during the month by a demand meter or indicator, but the monthly AFS billing demand so established shall in no event be less than the greater of (a) the customer's AFS capacity reservation, or (b) the customer's highest previously established monthly metered demand on the partial-load AFS during the past 11 months.

**PROMPT PAYMENT DISCOUNT**

A discount of 1.5 percent will be allowed if account is paid in full within 15 days of date of bill.

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Issued:  
By: Charles Patton, President

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Effective:  
Pursuant to an Order in  
Docket Number

**KINGSPORT POWER COMPANY**  
**d/b/a AEP Appalachian Power**  
**Kingsport, Tennessee**

**Original Sheet Number 23-4**  
**T.R.A. Number 2**

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**RIDER A.F.S.**  
**(Alternate Feed Service)**

**TERM OF CONTRACT**

The AFS agreement under this rider will be made for a period of not less than one year and shall remain in effect thereafter until either party shall give at least six months' written notice to the other of the intention to discontinue service under the terms of this rider.

Disconnection of AFS under this rider due to reliability or safety concerns associated with customer-owned transfer switches will not relieve the customer of payments required hereunder for the duration of the agreement term.

**SPECIAL TERMS AND CONDITIONS**

This rider is subject to the Company's Terms and Conditions of Service.

Upon receipt of a request from the customer for non-standard AFS (AFS which includes unique service characteristics different from standard AFS), the Company will provide the customer with a written estimate of all costs, including system impact study costs, and any applicable unique terms and conditions of service related to the provision of the non-standard AFS. An AFS agreement will be filed with the Commission under the 30-day filing procedures. The AFS agreement shall provide full disclosure of all rates, terms and conditions of service under this rider, and any and all agreements related thereto.

The Company will have sole responsibility for determining the basic service circuit and the AFS circuit.

The Company assumes no liability should the AFS circuit, transfer switch, or other equipment required to provide AFS fail to operate as designed, is unsatisfactory, or is not available for any reason.

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Issued:  
By: Charles Patton, President

Effective:  
Pursuant to an Order in  
Docket Number

KINGSPORT POWER COMPANY  
TYPICAL ELECTRIC BILL COMPARISON  
GOING LEVEL VS PROPOSED RATES

KgPCo Exhibit No.5 (TAC)  
Page 1 of 2

Line No.	Current Tariff (1)	Proposed Tariff (2)	Billing Demand Peak (kW) (3)	Metered Energy (kWh) (4)	Current Bill (5)	Current Bill w Prompt Pay (6)	Proposed Bill (7)	Proposed Bill w Prompt Pay (8)	Bill Increase w Prompt Pay (9)=(8)-(6)	% Change (10)=(9)/(6)
1	RS	RS	--	250	28.14	27.72	34.12	33.61	5.89	21.2%
2			--	500	48.97	48.24	57.24	56.38	8.14	16.9%
3			--	1,000	90.60	89.24	103.48	101.93	12.69	14.2%
4			--	1,500	132.24	130.26	149.72	147.47	17.21	13.2%
5			--	2,000	173.88	171.27	195.96	193.02	21.75	12.7%
6			--	4,000	340.43	335.32	380.92	375.21	39.89	11.9%
7	RS EMP	RS EMP	--	250	26.32	25.93	32.29	31.81	5.88	22.7%
8			--	500	45.31	44.63	53.59	52.79	8.16	18.3%
9			--	1,000	83.30	82.05	96.17	94.73	12.68	15.5%
10			--	1,500	121.29	119.47	138.76	136.68	17.21	14.4%
11			--	2,000	159.28	156.89	181.34	178.62	21.73	13.9%
12			--	4,000	311.23	306.56	351.68	346.40	39.84	13.0%
13	RS-TOD	RS-TOD	--	500	53.07	52.27	56.13	55.29	3.02	5.8%
14	On-Peak %	37%	--	1,000	92.76	91.37	99.01	97.52	6.15	6.7%
15	Off-Peak %	63%	--	2,000	172.12	169.54	184.77	182.00	12.46	7.3%
16			--	3,000	251.48	247.71	270.53	266.47	18.76	7.6%
17			--	4,000	330.84	325.88	356.29	350.95	25.07	7.7%
18			--	5,000	410.21	404.06	442.06	435.43	31.37	7.8%
19	SGS	SGS	--	250	33.46	32.96	35.81	35.27	2.31	7.0%
20			--	350	43.31	42.66	45.09	44.41	1.75	4.1%
21			--	400	48.24	47.52	49.74	48.99	1.47	3.1%
22			--	500	58.09	57.22	59.02	58.13	0.91	1.6%
23			--	1,000	102.75	101.21	103.38	101.83	0.62	0.6%
24			--	2,500	233.28	229.78	234.90	231.38	1.60	0.7%
25			--	4,000	363.80	358.34	366.42	360.92	2.58	0.7%
26	MGS-SEC	MGS-SEC	10	2,190	250.34	246.58	269.35	265.31	18.73	7.6%
27	Load Factor	30%	25	5,475	593.51	584.61	613.36	604.16	19.55	3.3%
28			50	10,950	1,165.46	1,147.98	1,186.73	1,168.93	20.95	1.8%
29			100	21,900	2,309.34	2,274.70	2,333.45	2,298.45	23.75	1.0%
30	MGS-SEC	MGS-SEC	10	2,920	301.96	297.43	321.23	316.41	18.98	6.4%
31	Load Factor	40%	25	7,300	722.56	711.72	743.08	731.93	20.21	2.8%
32			50	14,600	1,423.54	1,402.19	1,446.17	1,424.48	22.29	1.6%
33			100	29,200	2,825.52	2,783.14	2,852.34	2,809.55	26.41	0.9%
34	MGS-PRI	MGS-PRI	10	2,190	311.65	306.98	316.44	311.69	4.71	1.5%
35	Load Factor	30%	25	5,475	637.95	628.38	650.10	640.35	11.97	1.9%
36			50	10,950	1,181.75	1,164.02	1,206.20	1,188.11	24.09	2.1%
37			100	21,900	2,269.39	2,235.35	2,318.40	2,283.62	48.27	2.2%
38	MGS-PRI	MGS-PRI	10	2,920	360.21	354.81	366.69	361.19	6.38	1.8%
39	Load Factor	40%	25	7,300	759.30	747.91	775.73	764.09	16.18	2.2%
40			50	14,600	1,424.47	1,403.10	1,457.46	1,435.60	32.50	2.3%
41			100	29,200	2,754.82	2,713.50	2,820.93	2,778.62	65.12	2.4%
42	MGS-TOD	GS-TOD	--	5,000	472.61	465.52	522.76	514.92	49.40	10.6%
43	On-Peak %	47%	--	7,500	697.16	686.70	764.14	752.68	65.98	9.6%
44	Off-Peak %	53%	--	10,000	921.70	907.87	1,005.52	990.44	82.57	9.1%
45			--	15,000	1,370.80	1,350.24	1,488.28	1,465.96	115.72	8.6%
46	LGS-SEC	LGS-SEC	100	29,200	2,694.14	2,653.73	2,742.18	2,701.05	47.32	1.8%
47	Load Factor	40%	250	73,000	6,616.32	6,517.07	6,738.44	6,637.36	120.29	1.8%
48			500	146,000	13,150.75	12,953.48	13,398.88	13,197.90	244.42	1.9%
49			750	219,000	19,688.98	19,393.65	20,059.32	19,758.43	364.78	1.9%
50			1,000	292,000	26,227.22	25,833.81	26,719.76	26,318.96	485.15	1.9%
51	LGS-SEC	LGS-SEC	100	36,500	3,139.50	3,092.41	3,200.47	3,152.46	60.05	1.9%
52	Load Factor	50%	250	91,250	7,729.72	7,613.77	7,884.18	7,765.92	152.15	2.0%
53			500	182,500	15,377.56	15,146.90	15,690.35	15,454.99	308.09	2.0%
54			750	273,750	23,029.20	22,683.76	23,496.53	23,144.08	460.32	2.0%
55			1,000	365,000	30,680.84	30,220.63	31,302.70	30,833.16	612.53	2.0%
56	LGS-SEC	LGS-SEC	100	43,800	3,584.86	3,531.08	3,658.76	3,603.88	72.80	2.1%
57	Load Factor	60%	250	109,500	8,843.13	8,710.49	9,029.91	8,894.46	183.97	2.1%
58			500	219,000	17,604.37	17,340.31	17,981.82	17,712.09	371.78	2.1%
59			750	328,500	26,369.42	25,973.87	26,933.73	26,529.72	555.85	2.1%
60			1,000	438,000	35,134.46	34,607.44	35,885.64	35,347.36	739.92	2.1%
61	LGS-SEC	LGS-SEC	100	51,100	4,030.22	3,969.77	4,117.06	4,055.30	85.53	2.2%
62	Load Factor	70%	250	127,750	9,956.53	9,807.19	10,175.65	10,023.02	215.83	2.2%
63			500	255,500	19,831.19	19,533.72	20,273.29	19,969.19	435.47	2.2%
64			750	383,250	29,709.62	29,263.98	30,370.94	29,915.38	651.40	2.2%
65			1,000	511,000	39,588.08	38,994.25	40,468.58	39,861.55	867.30	2.2%
66	LGS-PRI	LGS-PRI	100	29,200	2,620.63	2,581.32	2,566.49	2,527.99	-53.33	-2.1%
67	Load Factor	40%	250	73,000	6,303.58	6,209.03	6,170.22	6,077.67	-131.36	-2.1%
68			500	146,000	12,439.39	12,252.80	12,176.44	11,993.79	-259.01	-2.1%
69			750	219,000	18,578.88	18,300.20	18,182.66	17,909.92	-390.28	-2.1%
70			1,000	292,000	24,718.37	24,347.59	24,188.88	23,826.05	-521.54	-2.1%

KINGSPORT POWER COMPANY  
TYPICAL ELECTRIC BILL COMPARISON  
GOING LEVEL VS PROPOSED RATES

KgPCo Exhibit No.5 (TAC)  
Page 2 of 2

Line No.	Current Tariff (1)	Proposed Tariff (2)	Billing Demand Peak (kW) (3)	Metered Energy (kWh) (4)	Current Bill (5)	Current Bill w Prompt Pay (6)	Proposed Bill (7)	Proposed Bill w Prompt Pay (8)	Bill Increase w Prompt Pay (9)=(8)-(6)	% Change (10)=(9)/(6)
71	<b>LGS-PRI</b>	<b>LGS-PRI</b>	100	36,500	3,029.12	2,983.68	2,965.36	2,920.88	-62.80	-2.1%
72	Load Factor	50%	250	91,250	7,324.81	7,214.93	7,167.40	7,059.89	-155.04	-2.1%
73			500	182,500	14,481.84	14,264.61	14,170.80	13,958.24	-306.37	-2.1%
74			750	273,750	21,642.55	21,317.91	21,174.20	20,856.59	-461.32	-2.2%
75			1,000	365,000	28,803.26	28,371.21	28,177.60	27,754.94	-616.27	-2.2%
76	<b>LGS-PRI</b>	<b>LGS-PRI</b>	100	43,800	3,437.60	3,386.04	3,364.23	3,313.77	-72.27	-2.1%
77	Load Factor	60%	250	109,500	8,346.03	8,220.84	8,164.58	8,042.11	-178.73	-2.2%
78			500	219,000	16,524.27	16,276.41	16,165.16	15,922.68	-353.73	-2.2%
79			750	328,500	24,706.22	24,335.63	24,165.74	23,803.25	-532.38	-2.2%
80			1,000	438,000	32,888.15	32,394.83	32,166.32	31,683.83	-711.00	-2.2%
81	<b>LGS-PRI</b>	<b>LGS-PRI</b>	100	51,100	3,846.09	3,788.40	3,763.10	3,706.65	-81.75	-2.2%
82	Load Factor	70%	250	127,750	9,367.26	9,226.75	9,161.76	9,024.33	-202.42	-2.2%
83			500	255,500	18,566.72	18,288.22	18,159.52	17,887.13	-401.09	-2.2%
84			750	383,250	27,769.88	27,353.33	27,157.28	26,749.92	-603.41	-2.2%
85			1,000	511,000	36,973.04	36,418.44	36,155.04	35,612.71	-805.73	-2.2%
86	<b>IP-PRI</b>	<b>IP-PRI</b>	1,000	547,500	36,745.97	36,194.78	40,371.15	39,765.58	3,570.80	9.9%
87	Load Factor	75%	5,000	2,737,500	182,766.95	180,025.44	200,895.75	197,882.31	17,856.87	9.9%
88			10,000	5,475,000	365,293.18	359,813.78	401,551.50	395,528.23	35,714.45	9.9%
89			15,000	8,212,500	547,819.40	539,602.11	602,207.25	593,174.14	53,572.03	9.9%
90			20,000	10,950,000	730,345.63	719,390.45	802,863.00	790,820.06	71,429.61	9.9%
91	<b>IP-PRI</b>	<b>IP-PRI</b>	1,000	620,500	39,917.59	39,318.82	43,461.97	42,810.04	3,491.22	8.9%
92	Load Factor	85%	5,000	3,102,500	198,625.08	195,645.71	216,349.85	213,104.60	17,458.89	8.9%
93			10,000	6,205,000	397,009.46	391,054.31	432,459.70	425,972.80	34,918.49	8.9%
94			15,000	9,307,500	595,393.82	586,462.91	648,569.55	638,841.01	52,378.10	8.9%
95			20,000	12,410,000	793,778.18	781,871.51	864,679.40	851,709.21	69,837.70	8.9%
96	<b>IP-TRAN</b>	<b>IP-SUB/TRAN</b>	1,000	547,500	37,122.47	36,565.64	38,683.15	38,102.90	1,537.26	4.2%
97	Load Factor	75%	5,000	2,737,500	177,869.20	175,201.16	185,695.75	182,910.31	7,709.15	4.4%
98			10,000	5,475,000	353,802.61	348,495.57	369,461.50	363,919.58	15,424.01	4.4%
99			15,000	8,212,500	529,736.02	521,789.98	553,227.25	544,928.84	23,138.86	4.4%
100			20,000	10,950,000	705,669.43	695,084.39	736,993.00	725,938.11	30,853.72	4.4%
101	<b>IP-TRAN</b>	<b>IP-SUB/TRAN</b>	1,000	620,500	40,265.40	39,661.42	41,715.57	41,089.84	1,428.42	3.6%
102	Load Factor	85%	5,000	3,102,500	193,583.83	190,680.07	200,857.85	197,844.98	7,164.91	3.8%
103			10,000	6,205,000	385,231.87	379,453.39	399,785.70	393,788.91	14,335.52	3.8%
104			15,000	9,307,500	576,879.90	568,226.70	598,713.55	589,732.85	21,506.15	3.8%
105			20,000	12,410,000	768,527.94	757,000.02	797,641.40	785,676.78	28,676.76	3.8%
106	<b>IP-TRAN</b>	<b>IP-SUB/TRAN</b>	5,000	3,467,500	209,298.46	206,158.99	216,019.95	212,779.65	6,620.66	3.2%
107	Load Factor	95%	10,000	6,935,000	416,661.12	410,411.20	430,109.90	423,658.25	13,247.05	3.2%
108			15,000	10,402,500	624,023.79	614,663.43	644,199.85	634,536.85	19,873.42	3.2%
109			20,000	13,870,000	831,386.45	818,915.65	858,289.80	845,415.45	26,499.80	3.2%
110	<b>EHG</b>	<b>EHG</b>	10	2,500	246.00	242.31	255.83	251.99	9.68	4.0%
111			20	5,000	466.82	459.81	486.55	479.25	19.44	4.2%
112			30	8,000	731.79	720.82	763.42	751.97	31.15	4.3%
113			50	13,000	1,219.77	1,201.47	1,273.07	1,253.97	52.50	4.4%
114	<b>CS</b>	<b>CS</b>	--	500	65.38	64.40	67.41	66.40	2.00	3.1%
115			--	1,000	113.70	111.99	117.81	116.04	4.05	3.6%
116			--	2,000	210.34	207.18	218.62	215.34	8.16	3.9%
117			--	3,000	306.98	302.38	319.43	314.64	12.26	4.1%
118			--	4,000	403.63	397.58	420.24	413.94	16.36	4.1%
119			--	5,000	500.27	492.77	521.05	513.23	20.46	4.2%
120	<b>PS</b>	<b>PS</b>	--	5,000	489.68	482.33	533.20	525.20	42.87	8.9%
121			--	10,000	950.43	936.17	1,037.55	1,021.99	85.82	9.2%
122			--	20,000	1,871.93	1,843.85	2,046.25	2,015.56	171.71	9.3%
123			--	30,000	2,793.43	2,751.53	3,054.95	3,009.13	257.60	9.4%
124			--	40,000	3,714.92	3,659.20	4,063.65	4,002.70	343.50	9.4%
125	<b>PS (All Electric)</b>	<b>PS</b>	--	50,000	3,920.18	3,861.38	4,358.35	4,292.97	431.59	11.2%
126			--	75,000	5,865.79	5,777.80	6,523.10	6,425.25	647.45	11.2%
127			--	100,000	7,811.41	7,694.24	8,687.85	8,557.53	863.29	11.2%
128			--	125,000	9,757.03	9,610.67	10,852.60	10,689.81	1,079.14	11.2%