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MAR 31 1995

BETHLEHEM STEEL CORPORATION

CROSS EXAMINATION EXHIBIT

NO. 1

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R-943271

PENNSYLVANIA PUBLIC UTILITY COMMISSION

V.

PENNSYLVANIA POWER & LIGHT COMPANY

DOCKET NO. R-00943271

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EXHIBIT

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J. J. Slivka

**Pennsylvania Power & Light Company
Response to Interrogatories of
the PP&L Industrial Customer Alliance, Set I
Dated February 1, 1995
Docket No. R-00943271**

- Q.32. Please provide the monthly peaks for PP&L for each of the years 1985 - 1994 and for the future test year ending September 1995. Include, for the historic data, the day, date and hour of the peak.
- A.32. Attachment 1, page 1, provides actual monthly peaks for the years 1985-1994. Attachment 1, page 2, provides monthly peaks for the future test year ended September 30, 1995.

PENNSYLV. A POWER & LIGHT COMPANY
 HISTORIC MONTHLY PEAKS 1985-1994

YEAR	MONTH	DAY	HOUR	PEAK DEMAND
1985	1	21	900	5519
1985	2	4	900	4845
1985	3	4	1100	4294
1985	4	3	1100	4069
1985	5	13	1400	3568
1985	6	24	1200	3806
1985	7	16	1700	3943
1985	8	15	1400	4272
1985	9	5	1700	4199
1985	10	30	900	3730
1985	11	25	1100	4017
1985	12	20	900	4888
1986	1	15	900	4981
1986	2	13	900	4751
1986	3	7	2000	4730
1986	4	23	1100	4012
1986	5	30	1500	3765
1986	6	11	1700	4040
1986	7	7	1400	4190
1986	8	7	1500	3890
1986	9	30	1700	3820
1986	10	20	900	3808
1986	11	20	900	4538
1986	12	11	1800	4515
1987	1	28	800	5154
1987	2	16	1000	4968
1987	3	10	900	4641
1987	4	6	1100	4063
1987	5	29	1400	3989
1987	6	15	1700	4269
1987	7	22	1700	4694
1987	8	17	1300	4611
1987	9	17	1100	3908
1987	10	30	900	4194
1987	11	11	1900	4648
1987	12	30	1900	4950
1988	1	5	1900	5591
1988	2	9	900	4933
1988	3	22	800	4680
1988	4	19	900	4031
1988	5	31	1700	4115
1988	6	21	1700	4633
1988	7	18	1700	4757
1988	8	11	1700	5004
1988	9	20	1700	4011
1988	10	27	900	4499

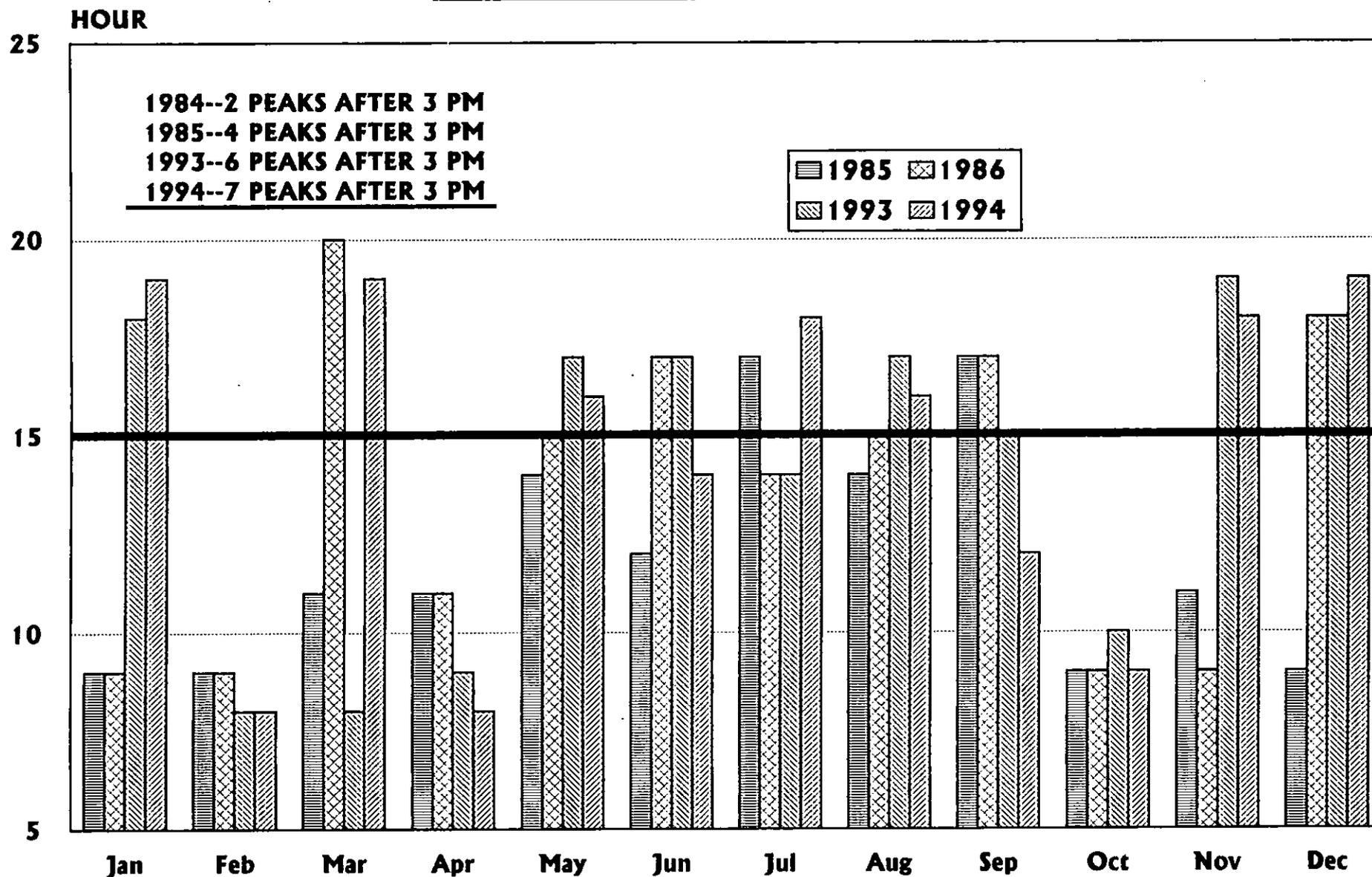
YEAR	MONTH	DAY	HOUR	PEAK DEMAND
1988	11	23	900	4503
1988	12	12	1900	5523
1989	1	5	900	5566
1989	2	9	900	5535
1989	3	8	800	5370
1989	4	11	800	4489
1989	5	8	1000	4245
1989	6	27	1300	4688
1989	7	26	1400	4985
1989	8	4	1500	4811
1989	9	11	1400	4466
1989	10	19	1900	4250
1989	11	21	1900	5061
1989	12	22	900	6000
1990	1	8	1800	4962
1990	2	26	800	5630
1990	3	7	800	5303
1990	4	9	900	4530
1990	5	17	1200	4127
1990	6	29	1400	4593
1990	7	19	1700	4959
1990	8	28	1700	4887
1990	9	7	1400	4446
1990	10	30	800	4363
1990	11	12	1800	4749
1990	12	5	1800	5255
1991	1	22	800	5661
1991	2	12	800	5330
1991	3	12	800	4902
1991	4	3	800	4417
1991	5	30	1500	4847
1991	6	17	1700	4856
1991	7	23	1400	5398
1991	8	29	1700	5152
1991	9	17	1700	4952
1991	10	21	900	4380
1991	11	27	800	4991
1991	12	19	800	5733
1992	1	16	1800	5974
1992	2	10	800	5706
1992	3	16	900	5345
1992	4	2	2000	4795
1992	5	8	1100	4183
1992	6	8	1400	4567
1992	7	14	1500	5104
1992	8	27	1400	5029

YEAR	MONTH	DAY	HOUR	PEAK DEMAND
1992	9	10	1300	4797
1992	10	20	900	4756
1992	11	16	900	4930
1992	12	10	1800	5490
1993	1	11	1800	5507
1993	2	2	800	6130
1993	3	19	800	5826
1993	4	5	900	4685
1993	5	11	1700	4443
1993	6	18	1700	4947
1993	7	8	1400	5409
1993	8	26	1700	5388
1993	9	3	1500	5241
1993	10	14	1000	4639
1993	11	1	1900	5064
1993	12	29	1800	6001
1994	1	18	1900	6403
1994	2	2	800	6193
1994	3	2	1900	5681
1994	4	8	800	4742
1994	5	23	1600	4404
1994	6	15	1400	5521
1994	7	20	1800	5638
1994	8	4	1600	5329
1994	9	14	1200	4477
1994	10	28	900	4661
1994	11	23	1800	5083
1994	12	12	1900	5646

PENNSYLVANIA POWER & LIGHT COMPANY
FUTURE TEST YEAR ENDING SEPTEMBER 1995

YEAR	MONTH	PEAK DEMAND
1994	10	4908
1994	11	5440
1994	12	6127
1995	1	6605
1995	2	6340
1995	3	5965
1995	4	5216
1995	5	4941
1995	6	5287
1995	7	5680
1995	8	5504
1995	9	5246

TIME OF PP&L SYSTEM PEAK



J. F. Sipics SM
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Pennsylvania Power & Light Company
Response to Interrogatories of
the Office of Consumer Advocate, Set III
Dated January 30, 1995
Docket No. R-00943271

- Q. 28. Please provide information on amount and disposition of capacity for the time of the monthly peak demand for the most recent three-year period similar to that information contained in Exhibit JFS-2. Include the peak demand on the Company and any sales and purchases made at the time of the monthly peak demands.
- A. 28. Attachment 1 provides the requested monthly information for the three-year period January 1992 through December 1994.

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YEAR	MONTH	DAY	HOUR	PP&L SYSTEM PEAK (MW)	INSTALLED CAPACITY (MW)	CAPACITY PURCHASES (MW)	CAPACITY* SALES (MW)	SCHEDULED** MAINT. (MW)	FORCED** & MISC. (MW)	AVAILABLE CAPACITY (MW)
1992	1	16	18	5974	8498	499	1200	61	740	6996
1992	2	10	8	5706	8498	499	1200	727	197	6873
1992	3	16	9	5345	8498	499	1200	846	284	6667
1992	4	2	20	4795	8498	499	1200	846	-13	6964
1992	5	8	11	4183	8498	499	1200	1114	443	6240
1992	6	8	14	4567	8498	499	1200	327	1103	6367
1992	7	14	15	5104	8498	504	1200	346	627	6829
1992	8	27	14	5029	8498	504	1200	426	399	6977
1992	9	10	13	4797	8498	504	1200	426	589	6787
1992	10	20	9	4756	8498	504	1200	936	950	5916
1992	11	16	9	4930	8498	504	1200	644	1424	5734
1992	12	10	18	5490	8498	504	1200	644	498	6660
1993	1	11	18	5507	8498	504	1200	77	132	7593
1993	2	2	8	6130	8498	504	1200	77	1167	6558
1993	3	19	8	5826	8498	504	1200	1477	304	6021
1993	4	5	9	4685	8498	504	1200	1477	320	6005
1993	5	11	17	4443	8498	504	1200	706	1623	5473
1993	6	18	17	4947	8498	504	1200	317	1056	6429
1993	7	8	14	5409	8498	504	1200	61	444	7297
1993	8	26	17	5388	8498	504	1200	61	1217	6524
1993	9	3	15	5241	8498	504	1200	61	1315	6426
1993	10	14	10	4639	8498	504	1200	803	1061	5938
1993	11	1	19	5064	8498	504	1200	1072	489	6241
1993	12	29	18	6001	8498	504	1200	787	1588	5427
1994	1	18	19	6403	8498	504	1200	950	575	6277
1994	2	2	8	6193	8498	504	1200	163	1019	6620
1994	3	2	19	5681	8498	504	1200	829	944	6029
1994	4	8	8	4742	8498	504	1200	1849	320	5633
1994	5	23	16	4404	8498	504	1200	1763	642	5397
1994	6	15	14	5521	8543	504	1203	644	1967	5233
1994	7	20	18	5638	8543	504	1203	128	644	7072
1994	8	4	16	5329	8543	504	1203	128	723	6993
1994	9	14	12	4477	8543	504	1203	780	602	6462
1994	10	28	9	4661	8543	504	1203	652	195	6997
1994	11	23	18	5083	8543	504	1203	1364	275	6205
1994	12	12	19	5646	8543	504	1203	728	312	6804

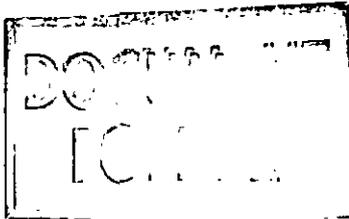
NOTES: * PP&L'S CAPACITY & ENERGY SALES TO ACE,JCP&L,&BG&E(DOES NOT INCLUDE SHORT TERM CAPACITY CREDIT SALES).

** PP&L'S SHARE OF UNAVAILABLE CAPACITY AFTER UNAVAILABLE(MW) APPLICABLE TO CAPACITY SALES ARE REMOVED.

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Pennsylvania Power & Light Company
Response to Interrogatories of
the PP&L Industrial Customer Alliance, Set I
Dated February 1, 1995
Docket No. R-00943271

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PENNSYLVANIA POWER & LIGHT COMPANY
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1987	9	17	1100	4908
1987	10	30	900	4194
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1987	12	30	1900	4950
1988	1	5	1900	5591
1988	2	9	800	4933
1988	3	22	800	4680
1988	4	19	900	4031
1988	5	31	1700	4115
1988	6	21	1700	4633
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1988	9	20	1700	4011
1988	10	27	900	4499

YEAR	MONTH	DAY	HOUR	PEAK DEMAND
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1989	4	11	800	4489
1989	5	8	1000	4245
1989	6	27	1300	4688
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1989	8	4	1500	4811
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1990	2	26	800	5630
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1990	4	9	900	4530
1990	5	17	1200	4127
1990	6	29	1400	4593
1990	7	19	1700	4959
1990	8	28	1700	4887
1990	9	7	1400	4446
1990	10	30	800	4363
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1990	12	5	1800	5255
1991	1	22	800	5661
1991	2	12	800	5330
1991	3	12	800	4902
1991	4	1	800	4417
1991	5	31	1500	4847
1991	6	17	1700	4856
1991	7	23	1400	5398
1991	8	29	1700	5152
1991	9	17	1700	4952
1991	10	21	900	4380
1991	11	27	800	4991
1991	12	19	800	5733
1992	1	16	1800	5974
1992	2	10	800	5706
1992	3	16	900	5345
1992	4	2	2000	4795
1992	5	8	1100	4183
1992	6	8	1400	4567
1992	7	14	1500	5104
1992	8	27	1400	5029

YEAR	MONTH	DAY	HOUR	PEAK DEMAND
1992	9	10	1300	4797
1992	10	20	900	4756
1992	11	16	900	4930
1992	12	10	1800	5490
1993	1	11	1800	5507
1993	2	2	800	6130
1993	3	19	800	5826
1993	4	5	900	4685
1993	5	11	1700	4443
1993	6	18	1700	4947
1993	7	8	1400	5409
1993	8	26	1700	5388
1993	9	3	1500	5241
1993	10	14	1000	4639
1993	11	1	1900	5064
1993	12	29	1800	6001
1994	1	18	1900	6403
1994	2	2	800	6193
1994	3	2	1900	5681
1994	4	8	800	4742
1994	5	23	1600	4404
1994	6	15	1400	5521
1994	7	20	1800	5638
1994	8	4	1600	5329
1994	9	14	1200	4477
1994	10	28	900	4661
1994	11	23	1800	5083
1994	12	12	1900	5646

PENNSYLVANIA POWER & LIGHT COMPANY
FUTURE TEST YEAR ENDING SEPTEMBER 1995

YEAR	MONTH	PEAK DEMAND
1994	10	4908
1994	11	5440
1994	12	6127
1995	1	6605
1995	2	6340
1995	3	5965
1995	4	5216
1995	5	4941
1995	6	5287
1995	7	5680
1995	8	5504
1995	9	5246

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University/College Coalition
Cross-Examination Exhibit No. 3

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PENNSYLVANIA POWER & LIGHT COMPANY

Monthly Peak Demands
(Megawatts)

Line	Month	1990 (1)	1991 (2)	1992 (3)	1993 (4)	1994 (5)
1	January	4,962	5,661	<u>5,974</u>	5,507	<u>6,403</u>
2	February	<u>5,630</u>	5,330	5,706	<u>6,130</u>	6,193
3	March	5,303	4,902	5,345	5,826	5,681
4	April	4,530	4,417	4,795	4,685	4,742
5	May	4,127	4,847	4,183	4,443	4,404
6	June	4,593	4,856	4,567	4,947	5,521
7	July	4,959	5,398	5,104	5,409	5,638
8	August	4,887	5,152	5,029	5,388	5,329
9	September	4,446	4,952	4,797	5,241	4,477
10	October	4,363	4,380	4,756	4,639	4,661
11	November	4,749	4,991	4,930	5,064	5,083
12	December	5,255	<u>5,733</u>	5,490	6,001	5,646
	Average of Peak Demands for the Nine Months March - November	4,662	4,877	4,834	5,071	5,060
14	Line 13 as a Percentage of the Annual System Peak	82.8%	85.1%	80.9%	82.7%	79.0%

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Notes: Annual system peaks appear in bold type and are underlined.
Source: PP&L's Response to Interrogatories of the PP&L Industrial Customer Alliance, Set I, Question 32.

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PENNSYLVANIA POWER & LIGHT COMPANY

Peak Demand Data
(Megawatts)

<u>Line</u>	<u>Year</u>	<u>Annual Systemm Peak (1)</u>	<u>Average of Peaks for January, February, December (2)</u>	<u>Average of Peaks for March through November (3)</u>
1	1990	5,630	5,282	4,662
2	1991	5,733	5,575	4,877
3	1992	5,974	5,723	4,834
4	1993	6,130	5,879	5,071
5	1994	6,403	6,081	5,060
6	1990 - 1994 Compounded Annual Growth Rate	3.3%	3.6%	2.1%
7	1991 - 1994 Compounded Annual Growth Rate	3.8%	2.9%	1.2%

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Source: PP&L's Response to Interrogatories of the PP&L Industrial Customer Alliance, Set I, Question 32.

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MAR 31 1995

University/College Coalition
Cross-Examination Exhibit No. 5

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PENNSYLVANIA POWER & LIGHT COMPANY

Monthly Planned Capacity, System Peaks and
Resulting Reserves for 1994

Line	Month	Planned Capacity (MW) (1)	System Peak (MW) (2)	Reserve	
				Amount (MW) (3)	Percent (4)
1	January	6,852	6,403	449	7.0%
2	February	7,639	6,193	1,446	23.3
3	March	6,973	5,681	1,292	22.7
4	April	5,953	4,742	1,211	25.5
5	May	6,039	4,404	1,635	37.1
6	June	7,200	5,521	1,679	30.4
7	July	7,716	5,638	2,078	36.9
8	August	7,716	5,329	2,387	44.7
9	September	7,064	4,477	2,587	57.8
10	October	7,192	4,661	2,531	54.3
11	November	6,480	5,083	1,397	27.5
12	December	7,116	5,646	1,470	26.0%
13	Average of Eleven Months Excluding January	7,008	5,216	1,792	34.4%

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Notes: 1. The source for the figures in Columns 1 and 2 is PP&L's response to OCA Interrogatory, Set III, Question 28.
2. Planned Capacity figures are equal to PP&L's Installed Capacity plus Capacity Purchases minus the sum of Capacity Sales and Scheduled Maintenance.

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University/College Coalition
Cross-Examination Exhibit No. 6

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PENNSYLVANIA POWER & LIGHT COMPANY

Revenue Subsidy Data for the Five Largest
Cost-of-Service Study Classes
Basis: 12 CP Study for the Future Test Year

<u>Line</u>	<u>Cost-of-Service Study Class</u>	<u>Present Rates (000) (1)</u>	<u>Proposed Rates (000) (2)</u>
1	RS	\$(60,785)	\$(43,034)
2	GS-1	\$ 38,874	\$ 29,930
3	GS-3	\$ 50,584	\$ 29,898
4	LP-4	\$ 15,906	\$ 16,435
5	LP-5	\$(17,073)	\$ (1,447)

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Notes: A negative number denotes that a class is receiving a subsidy.
A positive number denotes that a class is providing a subsidy.

Source: Exhibit JMK-2, pages 113 and 14. Column (1) figures are obtained
by subtracting line 7 from line 2. Column 2 figures are obtained
by subtracting line 17 from line 12.

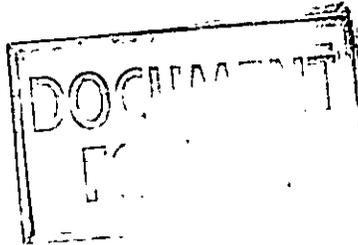
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CROSS-EXAMINATION
EXHIBIT NO. 13

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DATE: MARCH 28, 1995



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PA PUBLIC UTILITY COMMISSION
vs.
PENNSYLVANIA POWER & LIGHT COMPANY
DOCKET NO: R-00943271

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**Pennsylvania Power & Light Company
Response to Interrogatories of
the Office of Trial Staff
Dated February 28, 1995
Docket No. R-00943271**

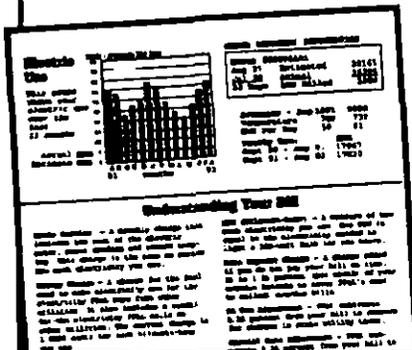
- Q.OTS-RS-45.**
- (a) What is the average annual residential customer usage for lighting and heating?
 - (b) What is the average annual residential customer usage for lighting and water heating only?
 - (c) What is the average annual residential customer usage for lighting only?

A.OTS-RS-45. The requested information is not available. PP&L's residential billing and load research employs only whole house metering. No end-use metering is done.



PP&L

We'd Like to Set the Record Straight: PP&L is not requesting a 20 percent rate increase for all residential customers.



Perhaps you've seen the headlines: "PP&L seeks 20 percent rate increase."

Just for the record, that's not 20 percent across-the-board for all customers. The requested increase varies, depending on customer class and monthly electric use.

The 20 percent figure is true for customers with minimal monthly electric use - the group that the

state Public Utility Commission requires us to mention in all communications about the requested increase. For these customers who use 500 kilowatt-hours of electricity a month, the 20 percent increase would translate into about 30 cents a day or \$9 a month.

Based on actual usage statistics, the average monthly bill for all energy use for an electric heating customer would increase about 12 percent, or \$14 a month. In winter, an electric heating customer who uses 3,000 kwh would see an increase of 7.6 percent, or \$17 a month.

The chart shows how the rate increase would affect bills based on several different levels of use. For specific information on how the requested rate increase would affect your bill, call PP&L toll free, 1-800-342-5775 (1-800-DIAL-PPL).

EFFECT OF PROPOSED RATE INCREASE ON TYPICAL CUSTOMER BILLS

Kilowatt-Hour Use	Old Rates	New Rates	\$\$ Change	% Change
500 KWH	\$44.82	\$54.12	\$9.30	20.7
1,000 KWH	\$81.17	\$94.66	\$13.49	16.6
1,500 KWH	\$117.53	\$131.96	\$14.43	12.3
2,250 KWH	\$172.06	\$187.91	\$15.85	9.2
3,000 KWH	\$226.60	\$243.86	\$17.27	7.6
3,500 KWH	\$262.95	\$281.16	\$18.21	6.9

Find your kilowatt-hour use in the "Meter Reading Information" section on the back of the new bill

PP&L Comfort Home® an Environmental "Success Story"

If you are buying or building a new home, ask your builder or Realtor about PP&L Comfort Homes®. The Comfort Home® program is listed in Renew America's *Environmental Success Index* as a model

way to save energy.

Renew America is a nonprofit environmental organization committed to solving this nation's environmental problems. Their *Index* lists outstanding programs and projects

that government agencies, companies, environmental organizations and civic groups can follow in their communities.

Bob Boyer, manager New Construction
(continued on pg. 4)

PP&L Working Toward a Brighter Tomorrow

**Pennsylvania Power & Light Company
Response to Interrogatories of
the Office of Trial Staff
Dated January 13, 1995
Docket No. R-00943271**

- Q.OTS-RS-31D.** In Statement 6 (Slivka), page 8, line 2, the twelve coincident peak (12 CP) allocation methodology is mentioned. Describe this methodology along with the data and its utilization in determining the demand for each customer class.
- A.OTS-RS-31D.** The 12 CP allocation methodology is as stated in Statement 6 (Slivka), page 8, line 2 "Each rate class contribution to each of the 12 monthly system peaks is averaged to calculate the 12 Coincident Peak (12 CP) demand allocator for that class." The data that is used in this computation is as stated in Statement 6 (Slivka), page 7, line 18 through page 8, line 2. Attachment 1 contains the data by rate class for each month of the 12 month period ended September 30, 1994 and the computed 12 Coincident Peak allocator.

**Pennsylvania Power and Light Company
Contributions to Monthly System Peaks
Generation Level - in KW
Year Ended September 30, 1994**

	<u>12 Month Average</u>	<u>14-Oct-93 1000</u>	<u>1-Nov-93 1900</u>	<u>29-Dec-93 1800</u>	<u>18-Jan-94 1900</u>	<u>2-Feb-94 800</u>	<u>2-Mar-94 1900</u>
RS	2,016,144	1,420,771	2,085,239	2,859,449	3,147,834	2,716,675	2,717,380
RTS	97,047	17,930	145,053	239,246	257,775	54,638	218,542
GS-1	235,744	204,180	168,506	255,558	233,183	239,908	199,901
GS-3	1,120,665	1,133,376	909,008	955,976	944,101	1,143,503	821,069
LP-4	668,849	641,391	588,428	554,184	584,084	688,839	569,289
LP-5	719,084	718,000	702,428	613,217	629,173	693,374	638,957
LPEP	24,063	19,939	27,766	25,692	17,384	29,498	32,551
ISA	58,068	100,443	64,555	12,640	63,107	71,999	55,141
GH	120,614	115,081	91,053	144,933	158,325	216,751	120,337
St./Area Ltg.	9,568	62	26,454	26,429	26,567	8,450	26,479
Standby	<u>2,106</u>	<u>257</u>	<u>1,430</u>	<u>411</u>	<u>14,096</u>	<u>0</u>	<u>0</u>
PPUC	5,069,930	4,371,430	4,807,920	5,687,735	6,075,629	5,863,635	5,399,646
		<u>8-Apr-94 800</u>	<u>23-May-94 1600</u>	<u>14-Jun-94 1400</u>	<u>20-Jul-94 1800</u>	<u>4-Aug-94 1600</u>	<u>14-Sep-94 1200</u>
RS		1,777,868	1,074,054	1,570,602	2,197,204	1,688,711	957,936
RTS		38,030	18,884	35,881	85,719	37,047	15,824
GS-1		168,553	241,876	309,714	273,085	313,749	222,717
GS-3		962,817	1,237,269	1,510,307	1,122,400	1,328,137	1,380,021
LP-4		626,155	681,160	818,433	733,245	764,943	752,033
LP-5		717,157	734,288	824,846	791,650	794,483	771,198
LPEP		33,260	16,431	33,265	24,438	22,559	5,976
ISA		62,439	71,782	24,179	65,152	51,829	53,523
GH		126,838	87,482	120,054	69,267	89,111	108,139
St./Area Ltg.		62	62	62	62	62	62
Standby		<u>0</u>	<u>0</u>	<u>8,655</u>	<u>0</u>	<u>421</u>	<u>0</u>
PPUC		4,513,179	4,163,288	5,255,998	5,362,222	5,071,052	4,267,429

**Pennsylvania Power & Light Company
Response to Interrogatories
of the Office of Trial Staff
Dated January 13, 1995**

Docket No. R-00943271

- Q.OTS-RS-15D.** For Residential Service (RS), the proposed net monthly rate minimum is \$7.20 for an increase of 50% over the current rate of \$4.80. Provide the rationale for a 50% increase in this recurring monthly rate.
- A.OTS-RS-15D.** As stated in the response to Question OTS-RS-4D of Interrogatories of the Office of Trial Staff Dated January 13, 1995, the cost allocation study provided in Exhibit JMK 2 indicates that the customer component revenue requirement for Residential Service (RS) should be \$17.51/customer/month. An increase in the monthly customer charge was balanced with the billing impact that the increase would have on low-use customers to determine the amount of the proposed increase. Raising the net monthly charge only \$2.40/month was judged to be a level that would not be unduly burdensome to residential customers.

Pennsylvania Power & Light Company
Response to Interrogatories of
the Office of Trial Staff
Dated January 13, 1995

Docket No. R-00943271

- Q. OTS-RS-4D.**
- a) Provide a detailed discussion explaining the derivation of each proposed tariffed net monthly minimum charge. Also provide the minimum charge studies performed for each tariff. In addition, provide an itemized breakdown of each element of each minimum charge and explain why each element should be a part of the net monthly charge. Include in the discussion, but not limited to, the following:**
 - i) the supporting work papers,**
 - ii) the references utilized,**
 - iii) the support in the record, and**
 - iv) all technical studies performed.**

 - b) Provide a detailed discussion explaining at what level each proposed tariffed net monthly charge would be set at if PP&L could recover all fixed costs elements in the minimum charge. Include in the discussion, but not limited to, the following:**
 - i) the supporting work papers,**
 - ii) the references utilized,**
 - iii) the support in the record, and**
 - iv) all technical studies performed.**

 - c) Provide a detailed schedule showing the calculation of the proposed net monthly charge for each tariff using only the customer related billing, metering, and service lines.**

A. OTS-RS-4D.

- a) The derivations of minimum charges for Rate Schedules GS-1, GS-3, and LP-4 can be found in the responses to Questions OTS-RS-20D, OTS-RS-23D, and OTS-RS-24D of Interrogatories of the Office of Trial Staff Dated January 13, 1995, respectively.

The Rate Schedule LP-5 minimum charge is derived as follows: At \$6/KW and a minimum 300 BKW, the minimum bill is $\$6/\text{KW} * 300 \text{ KW} = \$1,800$.

The net monthly minimum charge for Rate Schedules RS, RTS, and GH are derived from the following process.

1. The investment in selected distribution plant accounts is split or subfunctionalized based on voltage level. For example, as shown in Exhibit JMK 3, the investment in overhead conductor (Account 365) is subfunctionalized into subtransmission, primary, and secondary voltages.
2. A Minimum Size System Study was performed to classify the distribution plant into its demand and customer components. The methodology used in the study was based on the NARUC Cost Allocation Manual. For example, as shown in Exhibit JMK 3, the minimum size secondary voltage overhead conductor is used to determine the customer component for overhead conductor.
3. The results of the subfunctionalization and classification of distribution plant are inputs to the cost allocation studies. The customer-related costs are allocated to each rate schedule based on the number of customers served under that rate schedule. The cost allocation study determines the revenue requirements and related demand, energy, and customer components.
4. The results of the cost allocation studies (shown in Exhibit JMK 2) provide input to the rate design analysis that sets the monthly minimum charge.

- b) The proposed net monthly charge for each rate schedule if all costs are recovered is shown on Attachment 1.
- c) The proposed net monthly charge for each rate schedule using only the customer-related billing, metering, and service lines is shown on Attachment 2.

PENNSYLVANIA POWER & LIGHT COMPANY
 CUSTOMER RELATED COSTS BY TARIFF
 BASED ON COST ALLOCATION STUDY
 FOR FUTURE TEST YEAR
 (\$1,000)

	RS	RTS	GS-1	GS-3	GR
1 ELECTRIC PLANT IN SERVICE					
2 DISTRIBUTION PLANT SECONDARY CUSTOMER COMPONENT					
3 OVERHEAD LINES	300,113	4,092	38,159	5,331	1,250
4 UNDERGROUND LINES	110,516	1,616	13,490	2,105	497
5 LINE TRANSFORMERS	121,939	1,656	10,688	3,553	934
6 SERVICES	205,271	2,792	25,714	5,231	1,050
7 METERS	39,574	3,057	13,650	16,003	4,029
8 TOTAL DISTRIBUTION	785,413	13,213	105,697	34,223	7,776
9 GENERAL PLANT CUSTOMER COMPONENT	49,222	721	5,923	1,272	293
10 INTANGIBLE PLANT CUSTOMER COMPONENT	3,616	53	435	94	22
11 TOTAL ELECTRIC PLANT IN SERVICE	830,251	13,987	112,055	35,589	8,091
12 DEPRECIATION RESERVE ON ABOVE	300,479	4,859	39,992	12,080	2,695
13 NET PLANT (LINE 11 - LINE 12)	537,772	9,128	72,063	23,509	5,396
14 ADJUSTMENTS TO RATE BASE	(41,706)	(695)	(5,896)	(2,456)	(449)
15 WORKING CAPITAL	6,239	102	827	251	56
16 TOTAL CUSTOMER RELATED RATE BASE	502,305	8,535	66,994	21,304	5,003
17 RETURN AT 10.17% (ROE = 13%)	51,000	860	6,814	2,166	509
18 OPERATION & MAINTENANCE EXPENSE	113,440	1,857	14,192	5,660	1,043
19 DEPRECIATION EXPENSE	26,148	463	3,575	1,250	292
20 TAXES OTHER THAN INCOME AND GROSS RECEIPTS	10,150	165	1,315	384	80
21 DEFERRED INCOME TAXES	4,038	68	540	171	39
22 INVESTMENT TAX CREDIT	(882)	(15)	(118)	(37)	(9)
23 OTHER OPERATING REVENUES-CREDIT	(5,371)	(87)	(703)	(208)	(48)
24 ANNUALIZATION AND LATE PAYMENT REVENUES	(3,314)	(56)	(429)	(155)	(32)
25 STATE AND FEDERAL INCOME TAXES	18,836	322	2,480	813	191
26 GROSS RECEIPTS TAX	10,009	167	1,293	470	97
27 TOTAL REVENUE REQUIREMENTS (LINES 17 TO 26)	224,150	3,752	28,959	10,522	2,170
28 AVERAGE CUSTOMERS	1,066,680	14,544	121,411	10,948	4,473
29 REVENUE REQTS/CUST/MONTH	\$ 17.517	\$ 21.50	\$ 19.88	\$ 46.28	\$ 40.43

PENNSYLVANIA POWER & LIGHT COMPANY
 CUSTOMER RELATED COSTS BY TARIFF
 USING BILLING, METERING, AND SERVICES ONLY
 BASED ON COST ALLOCATION STUDY
 FOR FUTURE TEST YEAR
 (\$1,000)

	RS	RTS	GS-1	GS-3	GH
1 ELECTRIC PLANT IN SERVICE					
2 DISTRIBUTION PLANT SECONDARY CUSTOMER COMPONENT					
3 OVERHEAD LINES	0	0	0	0	0
4 UNDERGROUND LINES	0	0	0	0	0
5 LINE TRANSFORMERS	0	0	0	0	0
6 SERVICES	205,271	2,792	25,714	5,231	1,050
7 METERS	39,574	3,057	13,650	16,003	4,029
8 TOTAL DISTRIBUTION	244,845	5,849	39,364	21,234	5,007
9 GENERAL PLANT CUSTOMER COMPONENT	38,617	577	4,621	1,018	239
10 INTANGIBLE PLANT CUSTOMER COMPONENT	2,837	42	340	74	18
11 TOTAL ELECTRIC PLANT IN SERVICE	286,299	6,468	44,325	22,326	5,344
12 DEPRECIATION RESERVE ON ABOVE	125,915	2,481	18,274	7,675	1,801
13 NET PLANT (LINE 11 - LINE 12)	160,384	3,987	26,051	14,651	3,543
14 ADJUSTMENTS TO RATE BASE	(14,269)	(321)	(2,530)	(1,796)	(313)
15 WORKING CAPITAL	2,087	45	316	151	36
16 TOTAL CUSTOMER RELATED RATE BASE	148,202	3,711	23,837	13,006	3,266
17 RETURN AT 10.17% (ROE = 13%)	15,073	378	2,424	1,323	332
18 OPERATION & MAINTENANCE EXPENSE	92,323	1,569	11,635	5,180	941
19 DEPRECIATION EXPENSE	10,036	242	1,608	880	214
20 TAXES OTHER THAN INCOME AND GROSS RECEIPTS	4,649	90	643	255	61
21 DEFERRED INCOME TAXES	1,380	31	214	107	25
22 INVESTMENT TAX CREDIT	(301)	(7)	(47)	(23)	(6)
23 OTHER OPERATING REVENUES-CREDIT	(2,403)	(47)	(338)	(137)	(32)
24 ANNUALIZATION AND LATE PAYMENT REVENUES	(1,928)	(36)	(259)	(124)	(25)
25 STATE AND FEDERAL INCOME TAXES	5,695	143	898	490	123
26 GROSS RECEIPTS TAX	5,820	110	784	372	76
27 TOTAL REVENUE REQUIREMENTS (LINES 17 TO 26)	130,344	2,473	17,562	8,323	1,709
28 AVERAGE CUSTOMERS	1,066,688	14,544	121,411	18,948	4,473
29 REVENUE REQTS/CUST/MONTH	\$ 10.16	\$ 14.17	\$ 12.05	\$ 38.60	\$ 31.00

**Pennsylvania Power & Light Company
Response to Interrogatories
of the Office of Trial Staff
Dated January 13, 1995**

Docket No. R-00943271

Q.OTS-RS-17D. Refer to Exhibit OJK 1-4, page 20.

- a) Provide detailed schedules and supporting work papers for the derivation of the block rates.
- b) Also provide the derivation of the \$7.80 and the \$15.00 charges.

A.OTS-RS-17D. The first block of proposed Rate Schedule RS remains the first 200 KWH of use. It is priced to help recover the balance of the customer-related charges not recovered by the monthly customer charge. The majority of residential customers have monthly usage above this level.

As stated in the response to Question OTS-RS-4D of Interrogatories of the Office of Trial Staff Dated January 13, 1995, the cost allocation study provided in Exhibit JMK 2 indicates that the customer component, which is based on meters, services, and billing, for time-of-day services should be \$15.00/customer/month. Therefore, the customer charge for the time-of-day rate was set at \$15.00. The difference between the \$15.00 minimum customer charge for the time-of-day RS rate options and the \$7.20 minimum customer charge of the RS rate is \$7.80.

PPLICA CROSS-EXAMINATION

EXHIBIT NO. 5

SM 3-28-95
Hbg
R-943271

DOCKETED
MAR 31 1995

PENNSYLVANIA PUBLIC UTILITY COMMISSION, ET AL. v.

PENNSYLVANIA POWER & LIGHT COMPANY,

DOCKET NO. R-00943271

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Pennsylvania Power & Light Company
Economic Development Initiatives - Phase IV

June 1, 1992

Pennsylvania Power & Light Company
Economic Development Initiatives - Phase IV

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Appendices

- Appendix A - Tariff Pages Implementing
EDI-IV
- Appendix B - First Supplement to the
Bethlehem Steel Company
Interruptible Service
Agreement
- Appendix C - Supporting Data Pursuant
to 52 Pa. Code § 53.52

Pennsylvania Power & Light Company
Economic Development Initiatives - Phase IV
Statement of Reasons

1. Introduction

In this filing, Pennsylvania Power & Light Company (PP&L) proposes to continue and expand the Economic Development Initiatives (EDI) program first instituted in 1983. The overall goal of PP&L's ongoing EDI program is to contribute to an economic environment that attracts and retains businesses in PP&L's service territory.

This filing, the fourth phase of PP&L's EDI program, is referred to as EDI-IV. Appendix "A" contains the tariff pages implementing EDI-IV. In summary, they contain the following features:

- ° Industrial Development Initiatives Rider -- PP&L proposes to establish a new incentive for:
 - (1) existing industrial customers that increase production or expand physical plant at an existing service location; and
 - (2) new industrial customers that establish a manufacturing location in PP&L's service area.
- ° Extension of Existing Economic Development Initiative Rider -- PP&L proposes to continue credits and billing adjustments for customers now receiving those credits under PP&L's current

Economic Development Initiative Rider (EDI Rider).

- ° Interruptible Rate Option for Rate Schedules LP-4 and LP-5 -- PP&L proposes to add two interruptible rate options to provide customers served under these rate schedules with another rate option should they choose to accept the possibility of being interrupted.
- ° Expansion of Demand-Free Days -- PP&L proposes to expand the number of demand-free days and to lower the qualifying demand level.
- ° Changes to Tariff Rule No. 4 -- In light of its proposal to expand its interruptible rates, PP&L proposes to eliminate payments for participation in the Customer Voluntary Load Curtailment (CVLC) program. In addition, PP&L proposes to eliminate the current tariff rule regarding interruptible load by agreement.

In addition, PP&L requests approval of the First Supplement to the Bethlehem Steel Company Interruptible Service Agreement, which conforms that Agreement to the proposed changes in the EDI Rider. Appendix "B" contains a copy of the First Supplement.

PP&L requests that the Commission permit these proposed rate, tariff rule and contract changes to become effective on July 31, 1992 -- sixty days after filing.

Implementation of the rate and tariff rule proposals contained in this filing will improve the ability of participating business enterprises to enhance their competitiveness in the marketplace.

2. Background

PP&L is proposing EDI-IV in response to increasingly competitive economic conditions which have continued since the Commission approved PP&L's EDI-III filing in 1987. Specifically, PP&L, through discussions with its Large Customer Advisory Panel and various surveys with its large customers, has been made aware that regional, national and global economic developments are placing increased competitive demands on businesses located in PP&L's service territory, and that PP&L's large industrial customers want PP&L to assist them in improving and maintaining their competitiveness. PP&L is responding to the competitive economic concerns of its customers through this filing.

PP&L submits that Pennsylvania electric utilities must continue flexible and competitive pricing structures. Such pricing structures will enable businesses located in

Pennsylvania and businesses considering locating in Pennsylvania to maintain and increase their competitiveness in an increasingly global marketplace. These conditions require that PP&L continue a pricing structure that encourages economic development. Without these actions, businesses with significant levels of electricity usage may leave PP&L's service territory or forego locating in PP&L's service territory in favor of other locations.

Another consideration in evaluating this economic development proposal is the effect the proposal will have on other PP&L ratepayers. Because the new Industrial Development Initiatives Rider is available only for incremental load, and only for a stated period of time, PP&L believes this proposal will have an indirect positive rate impact upon non-participating customers. In addition, to the extent that the proposals in this filing attract new industry to central-eastern Pennsylvania, all of PP&L's ratepayers should benefit from an improved economic climate. Finally, existing ratepayers will benefit by enhanced competitiveness of existing industries located in the service territory. In the future, PP&L's ratepayers could be subject to increased cost recovery if these existing businesses were to close down or leave the service territory.

PP&L cannot stand by idly and watch vital segments of PP&L's customer base shut down or relocate production, especially when means are available to address this situation. EDI-IV has two major goals: providing incentives for new industries to locate in central-eastern Pennsylvania, and encouraging existing industries to maintain and expand present production levels in PP&L's service territory. The ongoing monitoring of the EDI Rider combined with the proposed monitoring of the IDI Rider will track and evaluate the entire program's effects and results.

3. Proposed Rate and Tariff Rule Changes

The narrative below describes each of the Company's proposals in more detail.

A. Industrial Development Initiative Rider

PP&L proposes a new Industrial Development Initiatives Rider (IDI Rider) designed to assist new industrial businesses locate in the Company's service territory and to assist existing industrial businesses expand their operations.

Under the proposed IDI Rider, a qualifying existing industrial customer receiving service under Rate Schedule GS-3, LP-4 or LP-5 will receive a 1¢ per KWH credit for all

energy used in excess of amounts consumed in the corresponding billing period during a defined base period. The base period will be either: (1) the 12 months ended December 31, 1991; or the first 12 months of the customer's billing history prior to application of the credit. In addition, for any billing demand established under this provision that is above the maximum demand recorded during the corresponding base period, the customer will receive a \$2 per KW credit. To be eligible for these incentives, an existing industrial customer must sign a contract agreeing either to:

(1) increase production; or (2) expand physical plant at the service location.

In addition, under the proposed IDI Rider, a credit will be available to all new industrial customers at new service locations or previously served locations having a different manufacturing operation. However, new customers would receive the 1¢ per KWH credit only for energy used in excess of 400 hours use of the billing demand. Therefore, this credit will be aimed at new customers who have a high load factor, multi-shift operation.

The proposed IDI rider will have an eligibility provision ending December 31, 1997. The rate will be phased out by the end of 1999.

PP&L will file an annual report on the IDI Rider along with the annual report on the EDI Rider that is currently required.

It should be noted that only industrial customers are eligible for the IDI Rider. PP&L believes that encouraging and supporting industrial businesses provides the best potential for the long-term, stable, economic growth in its service territory. It is the industrial sector which provides the foundation upon which other economic growth of a region can occur, and it is the industrial sector generally which has been impacted during the recent economic recession. Through increased support for the industrial sector, the long-term, sustained economic growth of the service territory and of the Commonwealth can be assured.

PP&L's IDI Rider will be another economic incentive available to industrial businesses seeking to locate or expand in PP&L's service territory. PP&L's IDI Rider has the potential to significantly increase the likelihood of industrial businesses locating or expanding their operations in PP&L's service territory. The likely effect of such relocations or expansions will be additional flow-through economic development in PP&L's service territory. This economic development will benefit all of PP&L's customers.

In sum, the proposal to establish the IDI Rider will:

- ° provide opportunities for economic expansion to additional customers beyond those already qualified under PP&L's Economic Development Initiatives Rider (EDI Rider);
- ° preserve and expand central-eastern Pennsylvania's industrial base; and
- ° assist in attracting new industry and jobs to central-eastern Pennsylvania.

B. Extension of Economic Development Initiatives Rider

In this filing, PP&L also proposes to extend the expiration of PP&L's existing EDI Rider. Since the rider first became effective in 1987, 506 industrial and commercial customers have taken advantage of it. However, eligibility for the EDI Rider closed on December 31, 1989, and PP&L does not propose to reopen that eligibility. Instead, PP&L proposes to extend billing adjustments and rate credits for all customers who began taking service under the EDI Rider prior to its being closed on December 31, 1989.

Specifically, PP&L proposes to extend, to December 31, 1997, additional billing adjustments under this rider, which are currently scheduled to cease December 31,

1993. PP&L also proposes to extend the date on which rate credits would be phased out from January 1, 1996, to January 1, 2000.

This extension is required so that businesses which have taken advantage of PP&L's EDI Rider in the past will continue be able to take advantage of billing adjustments for expansions and continue to receive rate credits in the future. Such steps are necessary in order for existing EDI customers to maintain and enhance their competitiveness in the future.

PP&L's experience with the EDI Rider to date indicates that unless the existing credits are extended, customers will become less competitive in the regional, national and global marketplace as the credits expire. Given the continuing, intense competitive pressures on businesses located in PP&L's service territory, the Company believes that it is simply inappropriate to permit the expiration of the EDI Rider billing adjustments and rate credits under current economic circumstances. No additional customers would become eligible for the EDI Rider, but customers already receiving EDI credits would continue to receive rate credits and billing adjustments for a longer period.

If existing EDI Rider customers remain in the service territory or further expand their operations, in part

because of the continued EDI rate credits and billing adjustments, such results would benefit other PP&L customers. Specifically, to the extent that existing EDI Rider customers remain in the service territory or expand their operations, other customers will benefit from stabilized or reduced costs in any future rate filings, all other things being equal. Correspondingly, to the extent that EDI Rider customers leave the service territory or fail to expand their operations, other customers could potentially be burdened with increased costs in any future rate filings, all other things being equal.

The language in PP&L's existing EDI Rider regarding a phase-out of the rate credits also appears in the Agreement between Bethlehem Steel Corporation (BSC) and PP&L, under which BSC is served pursuant to PP&L's Rate Schedule Interruptible Service by Agreement. Accordingly, PP&L is requesting that the Commission approve the Supplemental Agreement between PP&L and BSC attached as Appendix "B." This supplemental agreement conforms the BSC Agreement with the new EDI Rider phase-out language.

C. New Interruptible Rates for Large Customers

PP&L proposes to add interruptible rate options to Rate Schedules LP-4 and LP-5. These interruptible rates

also are a further extension of PP&L's effort to facilitate economic development in its service territory.

PP&L's large industrial customers have expressed keen interest in ways to reduce their operating costs, improve their competitive position and increase competitiveness in the future. PP&L polled its large customers and held open forum discussions with its Large Customer Advisory Panel concerning PP&L's rates, service policies, and responses to the present economic conditions.

Approximately 280 large general service customers taking service at either 12 kV (Rate Schedule LP-4) or 66 kV (Rate Schedule LP-5) were surveyed to determine their interest, if any, in an interruptible rate option. Nearly 20% of the survey respondents expressed an interest in an interruptible rate option. These customers indicated a willingness to forego firm service and commit to interruptible service. PP&L estimates that these customers could contribute between 165 and 200 MW of interruptible load.

The proposed interruptible rate options for Rate Schedules LP-4 and LP-5 provide a market choice that customers can exercise at their option.

An optional interruptible rate also will provide benefits to non-participating customers because increased interruptible load may enable PP&L to delay the eventual

need for new capacity and/or generating facilities. The result of such delay would be more stable and lower rates for all customers over the long run.

The interruptible rates offered in this filing are optional. No customer will be forced to participate. A minimum interruptible load of 1000 KW is required for participation. This threshold limit is intended to keep the administration of the program within reasonable bounds. The interruptible rates were designed based on the existing LP-4 and LP-5 rates that were approved by the Commission in PP&L's last base rate proceeding.

The proposed Rate Schedule LP-4 and LP-5 interruptible rates were designed to be revenue neutral as compared to the LP-4 and LP-5 firm rates. First, two interruptible energy rate blocks were established by examining other rates and rate schedules offered by PP&L. In establishing the interruptible energy rates, PP&L considered recovery of short run marginal energy costs and coordination with pricing established under Interruptible Service by Agreement contracts. Next, all costs not recovered through the interruptible energy rates were assigned to demand and a demand charge designed to recover these costs. Proof of revenue calculations confirmed that, for total class consumption, the interruptible rates would produce the same revenues as the firm rates.

Although PP&L is requesting the Commission to approve these proposed interruptible rates, PP&L is not, at this time, seeking recovery from other ratepayers of any reduced revenues which may result from implementation of the rates. PP&L will not interpret approval of these interruptible rates by the Commission as approval, either implicit or explicit, demand-side management program cost recovery purposes. Such matters must be considered in the ongoing demand-side management proceedings at Docket No. I-900005.

D. Expanded Demand-Free Days

PP&L also proposes to expand the existing demand-free day provisions of Rate Schedules LP-5 and IS-2. Specifically, PP&L is proposing to:

- ° allow customers with demands of 5,000 KW or greater to take advantage of demand-free days; and
- ° to permit eligible customers, at their option, to designate up to three (3) weekdays per week as demand-free.

Currently, customers must have demands of 10,000 KW or greater to be eligible for the demand-free day provision, and PP&L may designate a maximum of only two (2) weekdays per week as demand-free.

Reducing the demand eligibility requirement to 5,000 KW will make additional customers served under rates LP-5 and IS-2 eligible for demand-free days. Under the current tariff provision, 28 LP-5 and IS-2 customers are eligible for the demand-free day provision. Of these, 13 presently take advantage of that program. PP&L estimates that 35 additional LP-5 and IS-2 customers will become eligible for the program with this proposed change.

Increasing the number of demand-free days that PP&L may designate from two (2) days to three (3) days will permit all eligible customers who elect to take advantage of the demand-free day provision to schedule up to five (5) days of demand-free production per week (three week days plus two weekend days).

PP&L anticipates that this proposal will further increase the productivity of large industrial customers in PP&L's service area, thereby enhancing their competitiveness. It should enable eligible customers served under these rates to increase and expand production without a corresponding increase in demand charges. The change may permit these customers to accept additional orders which otherwise might be lost if the customer had to include incremental demand charges in its production costs.

In addition, the expanded use of demand-free days will act to encourage demand-side load management by PP&L's large customers by a different mechanism than PP&L's proposed interruptible rates. Use of demand-free days will enable PP&L and these customers to levelize peaks of these customers over the week and control demand on Monday, the day on which weekly peaks most often occur. At the same time, the features of the demand-free day provisions which permit PP&L to cancel demand-free days enable PP&L to cancel demand-free days if reserves are tight.

E. Tariff Rule Changes

a. Elimination of Customer
Voluntary Load Curtailment Credits

As part of its EDI-IV filing, PP&L is proposing to modify Tariff Rule 4.G to eliminate credits for customers who participate in the Customer Voluntary Load Curtailment (CVLC) program.

The CVLC program was developed before the Company had any interruptible service customers. Unlike CVLC, the load relief obtained from interruptible customers is large, predictable, quick, and reliable. It should be noted that the CVLC program originally did not have any credits for participating customers, and PP&L proposes to restore CVLC to that status now that PP&L is proposing to expand its interruptible rates.

Currently, participating CVLC customers are asked to curtail their load of 500 KW or more within one hour of being contacted. These customers are not required to interrupt. There are 33 customers that have agreed to participate in the program. PP&L anticipates that there will be fewer customers participating in the voluntary CVLC program as customers take advantage of the proposed interruptible rate option for Rate Schedules LP-4 and LP-5. These new interruptible rates have provisions requiring these customers to provide load relief when needed by PP&L.

The interruptible rate program also will be much easier to administrate than CVLC. In addition, the interruptible rates also give PP&L a more predictable interruptible capacity when interruptions are required.

Finally, it should be noted that PP&L intends to continue the CVLC program, without credits, into the foreseeable future.

b. Elimination of Interruptible Load by Agreement

PP&L proposes to eliminate Rule 4.L of its tariff providing for Interruptible Load by Agreement as no longer necessary in light of existing Rate Schedules Interruptible Service by Agreement, IS-1 -- Interruptible Service - Greenhouses and IS-2 -- Interruptible Service - High Load Factor and the proposed interruptible rate options of Rate

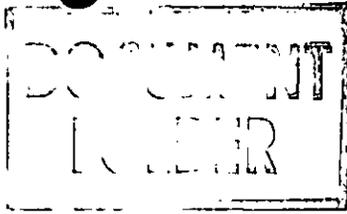
Schedules LP-4 and LP-5. There are no customers currently receiving service under this tariff rule which has been rendered unnecessary by the interruptible rate schedules noted above.

4. Need for Expeditious Action

PP&L respectfully requests that the Commission permit this filing to become effective within 60 days -- without suspension. Approval within sixty days is in the public interest because, as stated previously, this filing will benefit many of PP&L's customers and will stimulate and maintain economic development in PP&L's service area. The existing EDI Rider monitoring program, as expanded to include the IDI Rider, will provide the Commission with ongoing data about the results and effectiveness of the entire EDI program.

5. Conclusion

For the reasons set forth above, PP&L believes its EDI-IV filing constitutes a comprehensive package of economic development incentives that will benefit PP&L's service area and ratepayers. Accordingly, PP&L's proposals are in the public interest and should be approved by the Commission.



OSBA Cross Examination Exhibit No. 2

Date: 3/28/95

SM
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Hbg
R-943271

Pennsylvania Public Utility Commission

v.

Pennsylvania Power and Light Company

Docket No. R-00943271

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ORIGINAL

**Pennsylvania Power & Light Company
Response to Interrogatories of the
Office of Small Business Advocate
Dated February 17, 1995**

Docket No. R-00943271

- Q.2. Please provide annual bill frequency analyses for the GS-1 and RS classes differentiated by KWH consumption for 1994, using the same KWH blocks for the two classes.
- A.2. Attachment 1 provides the requested bill frequency analysis for Rate Schedule GS-1. Attachment 2 provides the requested bill frequency analysis for Rate Schedule RS.

KWH Step Report for GS1 G1D G1T G1V G1C
 press pf15 to continue

08:45 Wednesday, February 22, 1995

KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
0	117,849	117,849	0	0	0
1	1,454	119,303	1,454	1,454	1,300,770
2	1,216	120,519	2,432	3,886	2,600,086
3	11,793	132,312	35,379	39,265	3,898,186
4	8,580	140,892	34,320	73,585	5,184,493
5	7,226	148,118	36,130	109,715	6,462,220
6	6,200	154,318	37,200	146,915	7,732,721
7	5,559	159,877	38,913	185,828	8,997,022
8	5,115	164,992	40,920	226,748	10,255,764
9	4,637	169,629	41,733	268,481	11,509,391
10	4,779	174,408	47,790	316,271	12,758,381
11	4,583	178,991	50,413	366,684	14,002,592
12	3,957	182,948	47,484	414,168	15,242,220
13	3,652	186,600	47,476	461,644	16,477,891
14	3,577	190,177	50,078	511,722	17,709,910
15	3,468	193,645	52,020	563,742	18,938,352
16	3,369	197,014	53,904	617,646	20,163,326
17	3,290	200,304	55,930	673,576	21,384,931
18	3,193	203,497	57,474	731,050	22,603,246
19	3,226	206,723	61,294	792,344	23,818,368
20	3,494	210,217	69,880	862,224	25,030,264
21	3,178	213,395	66,738	928,962	26,238,666
22	3,102	216,497	68,244	997,206	27,443,890
23	3,047	219,544	70,081	1,067,287	28,646,012
24	2,808	222,352	67,392	1,134,679	29,845,087
25	2,736	225,088	68,400	1,203,079	31,041,354
30	13,384	238,472	375,199	1,578,278	36,982,688
35	12,146	250,618	400,814	1,979,092	42,859,127
40	11,964	262,582	455,315	2,434,407	48,675,887
45	12,077	274,659	520,035	2,954,442	54,432,642
50	11,169	285,828	536,484	3,490,926	60,130,476
55	11,328	297,156	600,343	4,091,269	65,771,734
60	12,825	309,981	746,499	4,837,768	71,356,048
65	11,205	321,186	705,588	5,543,356	76,876,501
70	11,010	332,196	748,770	6,292,126	82,341,736
75	10,507	342,703	767,045	7,059,171	87,752,871
80	10,522	353,225	821,289	7,880,460	93,111,980
85	9,857	363,082	818,205	8,698,665	98,419,310
90	9,692	372,774	853,402	9,552,067	103,678,117
95	9,225	381,999	857,883	10,409,950	108,888,850
100	9,259	391,258	907,995	11,317,945	114,054,045
105	8,742	400,000	900,461	12,218,406	119,173,401
110	8,542	408,542	922,537	13,140,943	124,249,413
115	8,478	417,020	957,845	14,098,788	129,282,673
120	8,478	425,498	1,001,733	15,100,521	134,275,041
125	7,371	432,869	906,501	16,007,022	139,225,772
130	7,571	440,440	969,110	16,976,132	144,139,402
135	7,142	447,582	949,847	17,925,979	149,015,974

KWH Step Report for GS1 G1D G1T G1V G1C
 press pf15 to continue

08:45 Wednesday, February 22, 1995

KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
140	7,058	454,640	974,386	18,900,365	153,857,425
145	6,943	461,583	993,014	19,893,379	158,663,599
150	7,253	468,836	1,073,693	20,967,072	163,434,522
155	6,750	475,586	1,032,943	22,000,015	168,170,130
160	7,196	482,782	1,137,882	23,137,897	172,871,817
165	6,722	489,504	1,085,518	24,233,415	177,537,390
170	6,800	496,304	1,142,350	25,375,765	182,169,315
175	6,571	502,875	1,136,718	26,512,483	186,767,683
180	6,594	509,469	1,174,353	27,686,836	191,333,836
185	6,305	515,774	1,153,874	28,840,810	195,867,135
190	6,424	522,198	1,207,672	30,048,482	200,368,472
195	6,145	528,343	1,186,169	31,234,651	204,838,471
200	6,591	534,934	1,305,961	32,540,612	209,277,612
225	29,106	564,040	6,196,129	38,736,741	231,017,016
250	27,643	591,683	6,577,252	45,313,993	252,047,993
275	25,919	617,602	6,813,438	52,127,431	272,407,106
300	24,416	642,018	7,029,471	59,156,902	292,137,202
325	23,087	665,105	7,228,910	66,385,812	311,277,862
350	21,541	686,646	7,280,471	73,666,283	329,856,833
375	20,995	707,641	7,617,489	81,283,772	347,900,522
400	19,816	727,457	7,690,808	88,974,580	365,439,380
425	17,873	745,330	7,380,030	96,354,610	382,502,435
450	16,738	762,068	7,329,045	103,683,655	399,131,605
475	15,302	777,370	7,081,429	110,765,084	415,358,359
500	15,629	792,999	7,621,955	118,387,039	431,197,039
525	14,265	807,264	7,319,085	125,706,124	446,667,499
550	13,646	820,910	7,341,680	133,047,804	461,787,754
575	12,975	833,885	7,302,915	140,350,719	476,572,769
600	12,660	846,545	7,447,655	147,798,374	491,042,774
625	11,629	858,174	7,129,011	154,927,385	505,205,510
650	11,794	869,968	7,525,352	162,452,737	519,075,887
675	10,938	880,906	7,250,555	169,703,292	532,659,567
700	10,828	891,734	7,449,313	177,152,605	545,972,105
725	10,839	902,573	7,731,411	184,884,016	559,017,366
750	10,043	912,616	7,411,864	192,295,880	571,798,130
775	9,758	922,374	7,444,564	199,740,444	584,330,319
800	9,854	932,228	7,770,847	207,511,291	596,624,091
825	8,924	941,152	7,254,601	214,765,892	608,676,167
850	8,945	950,097	7,496,176	222,262,068	620,505,768
875	8,519	958,616	7,351,155	229,613,223	632,115,848
900	8,553	967,169	7,594,404	237,207,627	643,512,627
925	8,176	975,345	7,467,386	244,675,013	654,703,463
950	7,576	982,921	7,105,194	251,780,207	665,693,307
975	8,182	991,103	7,876,887	259,657,094	676,485,194
1,000	7,617	998,720	7,527,551	267,184,645	687,083,645
1,100	27,835	1,026,555	29,218,934	296,403,579	727,673,979
1,200	25,601	1,052,156	29,455,781	325,859,360	765,614,960
1,300	23,164	1,075,320	28,968,873	354,828,233	801,116,933

KWH Step Report for GS1 G1D G1T G1V G1C
 press pf15 to continue

08:45 Wednesday, February 22, 1995

KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
1,400	21,474	1,096,794	29,003,897	383,832,130	834,387,130
1,500	19,734	1,116,528	28,624,860	412,456,990	865,593,490
1,600	18,419	1,134,947	28,565,424	441,022,414	894,897,614
1,700	16,677	1,151,624	27,529,181	468,551,595	922,443,095
1,800	15,769	1,167,393	27,617,183	496,168,778	948,375,578
1,900	14,256	1,181,649	26,378,226	522,547,004	972,790,004
2,000	13,843	1,195,592	27,196,264	549,743,268	995,797,268
2,100	12,591	1,208,183	25,829,432	575,572,700	1,017,488,300
2,200	12,182	1,220,365	26,201,850	601,774,550	1,037,933,350
2,300	11,077	1,231,442	24,932,428	626,706,978	1,057,214,078
2,400	10,921	1,242,363	25,689,029	652,396,007	1,075,410,407
2,500	9,611	1,251,974	23,557,191	675,953,198	1,092,565,698
2,600	9,597	1,261,571	24,481,933	700,435,131	1,108,759,931
2,700	8,885	1,270,456	23,551,773	723,986,904	1,124,027,004
2,800	8,863	1,279,319	24,383,665	748,370,569	1,138,410,569
2,900	8,245	1,287,564	23,519,582	771,890,151	1,151,949,651
3,000	7,770	1,295,334	22,936,063	794,826,214	1,164,681,214
3,100	7,003	1,302,337	21,365,715	816,191,929	1,176,666,129
3,200	7,203	1,309,540	22,704,019	838,895,948	1,187,948,748
3,300	6,298	1,315,838	20,482,625	859,378,573	1,198,555,873
3,400	6,392	1,322,230	21,423,732	880,802,305	1,208,524,905
3,500	5,713	1,327,943	19,716,368	900,518,673	1,217,884,673
3,600	5,976	1,333,919	21,231,973	921,750,646	1,226,670,646
3,700	5,108	1,339,027	18,656,417	940,407,063	1,234,897,463
3,800	4,968	1,343,995	18,638,701	959,045,764	1,242,616,964
3,900	4,687	1,348,682	18,050,643	977,096,407	1,249,850,707
4,000	4,568	1,353,250	18,058,298	995,154,705	1,256,630,705
4,100	3,913	1,357,163	15,854,986	1,011,009,691	1,262,979,291
4,200	3,825	1,360,988	15,883,533	1,026,893,224	1,268,943,424
4,300	3,508	1,364,496	14,913,723	1,041,806,947	1,274,535,847
4,400	3,530	1,368,026	15,361,882	1,057,168,829	1,279,778,029
4,500	3,111	1,371,137	13,857,022	1,071,025,851	1,284,694,851
4,600	2,920	1,374,057	13,293,095	1,084,318,946	1,289,304,146
4,700	2,686	1,376,743	12,493,612	1,096,812,558	1,293,629,758
4,800	2,775	1,379,518	13,194,612	1,110,007,170	1,297,691,970
4,900	2,282	1,381,800	11,075,851	1,121,083,021	1,301,496,121
5,000	2,182	1,383,982	10,806,333	1,131,889,354	1,305,074,354
5,100	1,944	1,385,926	9,818,818	1,141,708,172	1,308,442,472
5,200	2,006	1,387,932	10,334,773	1,152,042,945	1,311,615,345
5,300	1,650	1,389,582	8,670,475	1,160,713,420	1,314,609,520
5,400	1,646	1,391,228	8,810,534	1,169,523,954	1,317,435,354
5,500	1,453	1,392,681	7,921,352	1,177,445,306	1,320,104,306
5,600	1,537	1,394,218	8,537,625	1,185,982,931	1,322,628,531
5,700	1,203	1,395,421	6,800,571	1,192,783,502	1,325,012,102
5,800	1,272	1,396,693	7,319,093	1,200,102,595	1,327,273,395
5,900	1,070	1,397,763	6,259,320	1,206,361,915	1,329,412,315
6,000	1,141	1,398,904	6,793,747	1,213,155,662	1,331,445,662
6,100	931	1,399,835	5,637,486	1,218,793,148	1,333,375,548

KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
6,200	912	1,400,747	5,611,029	1,224,404,177	1,335,210,577
6,300	802	1,401,549	5,013,677	1,229,417,854	1,336,958,854
6,400	870	1,402,419	5,526,837	1,234,944,691	1,338,624,691
6,500	654	1,403,073	4,219,857	1,239,164,548	1,340,213,548
6,600	703	1,403,776	4,609,275	1,243,773,823	1,341,737,623
6,700	621	1,404,397	4,128,736	1,247,903,559	1,343,190,959
6,800	749	1,405,146	5,056,667	1,252,960,226	1,344,576,626
6,900	547	1,405,693	3,751,152	1,256,711,378	1,345,900,778
7,000	480	1,406,173	3,337,764	1,260,049,142	1,347,171,142
7,100	532	1,406,705	3,750,485	1,263,799,627	1,348,389,027
7,200	558	1,407,263	3,994,719	1,267,794,346	1,349,557,546
7,300	403	1,407,666	2,923,554	1,270,717,900	1,350,674,800
7,400	463	1,408,129	3,405,431	1,274,123,331	1,351,749,331
7,500	383	1,408,512	2,853,993	1,276,977,324	1,352,779,824
7,600	467	1,408,979	3,527,085	1,280,504,409	1,353,768,409
7,700	360	1,409,339	2,756,596	1,283,261,005	1,354,717,005
7,800	366	1,409,705	2,839,704	1,286,100,709	1,355,629,909
7,900	297	1,410,002	2,331,667	1,288,432,376	1,356,506,676
8,000	397	1,410,399	3,159,771	1,291,592,147	1,357,352,147
8,100	276	1,410,675	2,224,613	1,293,816,760	1,358,163,160
8,200	282	1,410,957	2,300,272	1,296,117,032	1,358,945,432
8,300	218	1,411,175	1,799,150	1,297,916,182	1,359,701,382
8,400	303	1,411,478	2,530,592	1,300,446,774	1,360,431,174
8,500	207	1,411,685	1,750,954	1,302,197,728	1,361,136,728
8,600	231	1,411,916	1,975,496	1,304,173,224	1,361,819,024
8,700	234	1,412,150	2,024,733	1,306,197,957	1,362,478,257
8,800	252	1,412,402	2,207,297	1,308,405,254	1,363,114,854
8,900	180	1,412,582	1,594,435	1,309,999,689	1,363,728,989
9,000	210	1,412,792	1,881,488	1,311,881,177	1,364,324,177
9,100	128	1,412,920	1,158,714	1,313,039,891	1,364,900,791
9,200	199	1,413,119	1,822,902	1,314,862,793	1,365,462,793
9,300	172	1,413,291	1,593,203	1,316,455,996	1,366,006,396
9,400	121	1,413,412	1,132,411	1,317,588,407	1,366,534,207
9,500	124	1,413,536	1,171,896	1,318,760,303	1,367,048,803
9,600	185	1,413,721	1,770,159	1,320,530,462	1,367,551,262
9,700	109	1,413,830	1,052,436	1,321,582,898	1,368,036,198
9,800	142	1,413,972	1,385,575	1,322,968,473	1,368,509,073
9,900	97	1,414,069	956,228	1,323,924,701	1,368,969,701
10,000	144	1,414,213	1,433,544	1,325,358,245	1,369,418,245
11,000	969	1,415,182	10,154,954	1,335,513,199	1,373,320,199
12,000	710	1,415,892	8,172,518	1,343,685,717	1,376,409,717
13,000	528	1,416,420	6,603,634	1,350,289,351	1,378,876,351
14,000	367	1,416,787	4,940,340	1,355,229,691	1,380,877,691
15,000	274	1,417,061	3,964,049	1,359,193,740	1,382,563,740
16,000	248	1,417,309	3,843,745	1,363,037,485	1,383,997,485
17,000	184	1,417,493	3,042,699	1,366,080,184	1,385,222,184
18,000	154	1,417,647	2,699,725	1,368,779,909	1,386,275,909
19,000	96	1,417,743	1,778,964	1,370,558,873	1,387,202,873

KWH Step Report for GS1 G1D G1T G1V G1C
 press pf15 to continue

08:45 Wednesday, February 22, 1995

KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
20,000	117	1,417,860	2,282,725	1,372,841,598	1,388,021,598
21,000	82	1,417,942	1,682,524	1,374,524,122	1,388,741,122
22,000	69	1,418,011	1,480,657	1,376,004,779	1,389,380,779
23,000	60	1,418,071	1,345,907	1,377,350,686	1,389,954,686
24,000	55	1,418,126	1,293,805	1,378,644,491	1,390,476,491
25,000	48	1,418,174	1,178,683	1,379,823,174	1,390,948,174
26,000	42	1,418,216	1,072,178	1,380,895,352	1,391,373,352
27,000	45	1,418,261	1,194,868	1,382,090,220	1,391,756,220
28,000	30	1,418,291	826,490	1,382,916,710	1,392,100,710
29,000	20	1,418,311	569,975	1,383,486,685	1,392,418,685
30,000	19	1,418,330	561,820	1,384,048,505	1,392,718,505
31,000	20	1,418,350	611,643	1,384,660,148	1,392,999,148
32,000	20	1,418,370	626,736	1,385,286,884	1,393,254,884
33,000	14	1,418,384	455,834	1,385,742,718	1,393,497,718
34,000	24	1,418,408	804,887	1,386,547,605	1,393,721,605
35,000	17	1,418,425	585,390	1,387,132,995	1,393,922,995
36,000	24	1,418,449	856,380	1,387,989,375	1,394,109,375
37,000	5	1,418,454	182,160	1,388,171,535	1,394,276,535
38,000	14	1,418,468	525,660	1,388,697,195	1,394,435,195
39,000	14	1,418,482	539,249	1,389,236,444	1,394,579,444
40,000	15	1,418,497	592,260	1,389,828,704	1,394,708,704
41,000	5	1,418,502	202,960	1,390,031,664	1,394,828,664
42,000	10	1,418,512	414,130	1,390,445,794	1,394,939,794
43,000	3	1,418,515	127,905	1,390,573,699	1,395,045,699
44,000	8	1,418,523	347,300	1,390,920,999	1,395,144,999
45,000	5	1,418,528	222,880	1,391,143,879	1,395,238,879
46,000	8	1,418,536	363,760	1,391,507,639	1,395,325,639
47,000	7	1,418,543	324,594	1,391,832,233	1,395,404,233
48,000	5	1,418,548	238,000	1,392,070,233	1,395,478,233
49,000	4	1,418,552	194,360	1,392,264,593	1,395,547,593
50,000	7	1,418,559	346,980	1,392,611,573	1,395,611,573
53,000	3	1,418,562	157,760	1,392,769,333	1,395,790,333
54,000	2	1,418,564	107,520	1,392,876,853	1,395,846,853
55,000	1	1,418,565	54,240	1,392,931,093	1,395,901,093
56,000	1	1,418,566	55,200	1,392,986,293	1,395,954,293
57,000	4	1,418,570	225,780	1,393,212,073	1,396,005,073
58,000	2	1,418,572	115,200	1,393,327,273	1,396,053,273
59,000	2	1,418,574	117,000	1,393,444,273	1,396,099,273
60,000	1	1,418,575	59,400	1,393,503,673	1,396,143,673
61,000	1	1,418,576	60,600	1,393,564,273	1,396,187,273
63,000	2	1,418,578	124,840	1,393,689,113	1,396,272,113
64,000	2	1,418,580	127,420	1,393,816,533	1,396,312,533
66,000	3	1,418,583	196,420	1,394,012,953	1,396,388,953
67,000	2	1,418,585	133,480	1,394,146,433	1,396,424,433
68,000	1	1,418,586	67,680	1,394,214,113	1,396,458,113
69,000	1	1,418,587	68,320	1,394,282,433	1,396,490,433
72,000	1	1,418,588	71,100	1,394,353,533	1,396,585,533
76,000	1	1,418,589	75,636	1,394,429,169	1,396,709,169

KWH Step Report for GS1 G1D G1T G1V G1C
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KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
77,000	1	1,418,590	76,960	1,394,506,129	1,396,739,129
80,000	2	1,418,592	159,200	1,394,665,329	1,396,825,329
83,000	1	1,418,593	83,000	1,394,748,329	1,396,906,329
87,000	1	1,418,594	86,200	1,394,834,529	1,397,009,529
88,000	1	1,418,595	87,680	1,394,922,209	1,397,034,209
89,000	1	1,418,596	88,320	1,395,010,529	1,397,057,529
91,000	1	1,418,597	90,400	1,395,100,929	1,397,102,929
92,000	1	1,418,598	91,680	1,395,192,609	1,397,124,609
96,000	1	1,418,599	95,200	1,395,287,809	1,397,207,809
97,000	1	1,418,600	96,960	1,395,384,769	1,397,227,769
98,000	1	1,418,601	97,200	1,395,481,969	1,397,245,969
110,000	2	1,418,603	214,216	1,395,696,185	1,397,456,185
120,000	3	1,418,606	339,840	1,396,036,025	1,397,596,025
130,000	2	1,418,608	244,800	1,396,280,825	1,397,710,825
140,000	2	1,418,610	272,160	1,396,552,985	1,397,812,985
160,000	2	1,418,612	310,760	1,396,863,745	1,397,983,745
170,000	2	1,418,614	334,000	1,397,197,745	1,398,047,745
190,000	1	1,418,615	186,000	1,397,383,745	1,398,143,745
200,000	2	1,418,617	390,400	1,397,774,145	1,398,174,145
256,000	2	1,418,619	508,000	1,398,282,145	1,398,282,145

KWH Step Report for RSO RWO RWI
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KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
0	199,064	199,064	0	0	0
1	2,805	201,869	2,805	2,805	12,487,115
2	2,371	204,240	4,742	7,547	24,971,425
3	12,410	216,650	37,230	44,777	37,453,364
4	10,076	226,726	40,304	85,081	49,922,893
5	8,837	235,563	44,185	129,266	62,382,346
6	7,829	243,392	46,974	176,240	74,832,962
7	7,252	250,644	50,764	227,004	87,275,749
8	6,705	257,349	53,640	280,644	99,711,284
9	6,149	263,498	55,341	335,985	112,140,114
10	6,488	269,986	64,880	400,865	124,562,795
11	5,643	275,629	62,073	462,938	136,978,988
12	5,587	281,216	67,044	529,982	149,389,538
13	5,429	286,645	70,577	600,559	161,794,501
14	5,192	291,837	72,688	673,247	174,194,035
15	5,092	296,929	76,380	749,627	186,588,377
16	5,048	301,977	80,768	830,395	198,977,627
17	4,799	306,776	81,583	911,978	211,361,829
18	4,973	311,749	89,514	1,001,492	223,741,232
19	4,815	316,564	91,485	1,092,977	236,115,662
20	4,779	321,343	95,580	1,188,557	248,485,277
21	4,525	325,868	95,025	1,283,582	260,850,113
22	4,452	330,320	97,944	1,381,526	273,210,424
23	4,557	334,877	104,811	1,486,337	285,566,283
24	4,341	339,218	104,184	1,590,521	297,917,585
25	4,395	343,613	109,875	1,700,396	310,264,546
30	21,913	365,526	615,119	2,315,515	371,935,105
35	20,777	386,303	686,386	3,001,901	433,497,561
40	20,631	406,934	784,819	3,786,720	494,956,520
45	20,419	427,353	878,013	4,664,733	556,311,903
50	20,960	448,313	1,006,452	5,671,185	617,564,485
55	21,223	469,536	1,125,149	6,796,334	678,711,699
60	22,400	491,936	1,301,020	8,097,354	739,751,934
65	21,987	513,923	1,385,891	9,483,245	800,679,885
70	23,134	537,057	1,574,568	11,057,813	861,496,353
75	23,565	560,622	1,720,734	12,778,547	922,195,322
80	24,618	585,240	1,920,677	14,699,224	982,774,344
85	25,995	611,235	2,158,233	16,857,457	1,043,227,697
90	27,197	638,432	2,394,835	19,252,292	1,103,549,522
95	28,020	666,452	2,606,479	21,858,771	1,163,732,836
100	29,946	696,398	2,936,450	24,795,221	1,223,773,321
105	29,811	726,209	3,071,699	27,866,920	1,283,663,770
110	32,333	758,542	3,493,578	31,360,498	1,343,400,568
115	32,966	791,508	3,726,055	35,086,553	1,402,973,718
120	34,782	826,290	4,106,196	39,192,749	1,462,379,429
125	35,315	861,605	4,343,978	43,536,727	1,521,608,477
130	37,580	899,185	4,812,566	48,349,293	1,580,658,513
135	37,745	936,930	5,021,050	53,370,343	1,639,518,958

KWH Step Report for RSO RWO RW1
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KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
140	39,652	976,582	5,473,908	58,844,251	1,698,187,831
145	40,263	1,016,845	5,758,718	64,602,969	1,756,656,399
150	42,028	1,058,873	6,221,847	70,824,816	1,814,920,716
155	42,705	1,101,578	6,534,007	77,358,823	1,872,971,978
160	44,265	1,145,843	6,995,872	84,354,695	1,930,808,455
165	44,304	1,190,147	7,222,537	91,577,232	1,988,422,512
170	45,749	1,235,896	7,687,776	99,265,008	2,045,813,118
175	46,450	1,282,346	8,036,872	107,301,880	2,102,972,655
180	47,875	1,330,221	8,523,411	115,825,291	2,159,897,731
185	48,127	1,378,348	8,807,504	124,632,795	2,216,581,530
190	49,202	1,427,550	9,251,313	133,884,108	2,273,023,618
195	49,848	1,477,398	9,620,577	143,504,685	2,329,216,980
200	51,722	1,529,120	10,243,784	153,748,469	2,385,160,269
225	263,600	1,792,720	56,183,539	209,932,008	2,660,960,283
250	278,187	2,070,907	66,235,466	276,167,474	2,929,985,474
275	286,811	2,357,718	75,463,576	351,631,050	3,191,957,825
300	298,146	2,655,864	85,894,917	437,525,967	3,446,620,467
325	302,501	2,958,365	94,698,562	532,224,529	3,693,764,079
350	307,028	3,265,393	103,794,710	636,019,239	3,933,294,339
375	308,573	3,573,966	112,017,774	748,037,013	4,165,116,888
400	310,004	3,883,970	120,288,693	868,325,706	4,389,209,306
425	306,550	4,190,520	126,604,299	994,930,005	4,605,585,080
450	303,943	4,494,463	133,129,763	1,128,059,768	4,814,331,968
475	297,822	4,792,285	137,886,282	1,265,946,050	5,015,545,700
500	293,563	5,085,848	143,253,518	1,409,199,568	5,209,365,068
525	285,470	5,371,318	146,431,314	1,555,630,882	5,395,932,907
550	279,458	5,650,776	150,335,895	1,705,966,777	5,575,438,427
575	270,393	5,921,169	152,221,522	1,858,188,299	5,748,069,049
600	265,353	6,186,522	156,044,582	2,014,232,881	5,914,027,081
625	254,224	6,440,746	155,818,034	2,170,050,915	6,073,446,540
650	245,375	6,686,121	156,536,034	2,326,586,949	6,226,624,649
675	233,494	6,919,615	154,791,263	2,481,378,212	6,373,808,912
700	226,053	7,145,668	155,518,433	2,636,896,645	6,515,254,345
725	215,780	7,361,448	153,840,526	2,790,737,171	6,651,167,146
750	207,779	7,569,227	153,326,549	2,944,063,720	6,781,777,720
775	197,841	7,767,068	150,932,563	3,094,996,283	6,907,307,308
800	189,793	7,956,861	149,548,628	3,244,544,911	7,027,999,311
825	180,321	8,137,182	146,589,709	3,391,134,620	7,144,057,145
850	173,820	8,311,002	145,649,000	3,536,783,620	7,255,684,070
875	164,421	8,475,423	141,880,021	3,678,663,641	7,363,075,141
900	159,479	8,634,902	141,611,074	3,820,274,715	7,466,424,015
925	150,754	8,785,656	137,628,713	3,957,903,428	7,565,887,203
950	144,308	8,929,964	135,352,527	4,093,255,955	7,661,660,205
975	137,564	9,067,528	132,462,823	4,225,718,778	7,753,903,503
1,000	131,593	9,199,121	130,006,343	4,355,725,121	7,842,783,121
1,100	469,385	9,668,506	492,393,033	4,848,118,154	8,167,558,454
1,200	388,644	10,057,150	446,564,184	5,294,682,338	8,449,517,138
1,300	324,168	10,381,318	404,886,340	5,699,568,678	8,695,887,978

KWH Step Report for R50 RWO RW1
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KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
1,400	272,282	10653600	387,365,918	6,066,934,596	8,912,545,196
1,500	229,332	10882932	332,339,089	6,399,273,685	9,104,144,185
1,600	193,893	11076825	300,396,782	6,699,670,467	9,274,636,867
1,700	165,434	11242259	272,839,546	6,972,510,013	9,427,174,013
1,800	141,530	11383789	247,599,187	7,220,109,200	9,564,411,200
1,900	122,098	11505887	225,820,777	7,445,929,977	9,688,484,777
2,000	106,185	11612072	207,004,578	7,652,934,555	9,801,148,555
2,100	93,255	11705327	191,133,363	7,844,067,918	9,903,857,118
2,200	82,630	11787957	177,621,013	8,021,688,931	9,997,777,331
2,300	73,890	11861847	166,237,539	8,187,926,470	10,083,890,070
2,400	66,186	11928033	155,532,667	8,343,459,137	10,163,009,537
2,500	60,094	11988127	147,229,983	8,490,689,120	10,235,819,120
2,600	54,176	12042303	138,139,763	8,628,828,883	10,302,906,483
2,700	49,435	12091738	131,008,183	8,759,837,066	10,364,827,766
2,800	45,174	12136912	124,229,049	8,884,066,115	10,422,013,715
2,900	41,773	12178685	119,052,280	9,003,118,395	10,474,850,995
3,000	38,370	12217055	113,190,572	9,116,308,967	10,523,680,967
3,100	35,282	12252337	107,612,898	9,223,921,865	10,568,832,065
3,200	32,490	12284827	102,340,833	9,326,262,698	10,610,589,098
3,300	30,214	12315041	98,192,063	9,424,454,761	10,649,210,161
3,400	28,276	12343317	94,727,015	9,519,181,776	10,684,912,576
3,500	25,849	12369166	89,181,189	9,608,362,965	10,717,908,465
3,600	24,062	12393228	85,427,510	9,693,790,475	10,748,414,075
3,700	22,188	12415416	80,978,892	9,774,769,367	10,776,592,467
3,800	20,690	12436106	77,587,146	9,852,356,513	10,802,633,913
3,900	19,129	12455235	73,651,922	9,926,008,435	10,826,690,035
4,000	17,798	12473033	70,309,015	9,996,317,450	10,848,901,450
4,100	16,465	12489498	66,687,096	10,063,004,546	10,869,396,646
4,200	15,040	12504538	62,417,094	10,125,421,640	10,888,313,840
4,300	14,164	12518702	60,201,925	10,185,623,565	10,905,774,665
4,400	13,133	12531835	57,132,569	10,242,756,134	10,921,869,734
4,500	12,035	12543870	53,559,097	10,296,315,231	10,936,705,731
4,600	10,946	12554816	49,801,122	10,346,116,353	10,950,386,153
4,700	10,076	12564892	46,850,022	10,392,966,375	10,963,015,275
4,800	9,349	12574241	44,409,606	10,437,375,981	10,974,678,381
4,900	8,568	12582809	41,557,860	10,478,933,841	10,985,446,841
5,000	7,978	12590787	39,488,426	10,518,422,267	10,995,382,267
5,100	7,295	12598082	36,842,050	10,555,264,317	11,004,559,017
5,200	6,650	12604732	34,250,145	10,589,514,462	11,013,038,862
5,300	6,020	12610752	31,608,283	10,621,122,745	11,020,885,845
5,400	5,522	12616274	29,543,828	10,650,666,573	11,028,153,573
5,500	4,999	12621273	27,246,370	10,677,912,943	11,034,895,943
5,600	4,677	12625950	25,959,631	10,703,872,574	11,041,154,974
5,700	4,309	12630259	24,348,712	10,728,221,286	11,046,965,286
5,800	3,849	12634108	22,135,316	10,750,356,602	11,052,368,402
5,900	3,606	12637714	21,096,896	10,771,453,498	11,057,396,998
6,000	3,333	12641047	19,833,062	10,791,286,560	11,062,078,560
6,100	2,976	12644023	18,006,123	10,809,292,683	11,066,444,283

KWH Step Report for RSD RWO RWI
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KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
6.200	2,798	12646821	17,208,977	10,826,501,660	11,070,521,260
6.300	2,494	12649315	15,589,408	10,842,091,068	11,074,334,268
6.400	2,398	12651713	15,229,910	10,857,320,978	11,077,903,378
6.500	2,206	12653919	14,227,628	10,871,548,606	11,081,238,606
6.600	2,062	12655981	13,506,533	10,885,055,139	11,084,361,939
6.700	1,719	12657700	11,432,544	10,896,487,683	11,087,296,983
6.800	1,724	12659424	11,639,045	10,908,126,728	11,090,060,728
6.900	1,501	12660925	10,283,480	10,918,410,208	11,092,662,808
7.000	1,436	12662361	9,881,320	10,928,391,528	11,095,117,528
7.100	1,291	12663652	9,102,249	10,937,493,777	11,097,435,477
7.200	1,280	12664932	9,155,100	10,946,648,877	11,099,627,277
7.300	1,030	12665962	7,469,141	10,954,118,018	11,101,702,118
7.400	1,041	12667003	7,650,916	10,961,768,934	11,103,671,334
7.500	973	12667976	7,249,450	10,969,018,384	11,105,540,884
7.600	970	12668946	7,323,589	10,976,341,973	11,107,312,773
7.700	823	12669769	6,295,446	10,982,637,419	11,108,994,419
7.800	738	12670507	5,721,560	10,988,358,979	11,110,600,579
7.900	727	12671234	5,707,662	10,994,066,641	11,112,132,141
8.000	723	12671957	5,749,066	10,999,815,707	11,113,591,707
8.100	670	12672627	5,394,395	11,005,210,102	11,114,981,302
8.200	601	12673228	4,899,884	11,010,109,986	11,116,308,186
8.300	560	12673788	4,620,742	11,014,730,728	11,117,576,028
8.400	545	12674333	4,552,597	11,019,283,325	11,118,789,725
8.500	465	12674798	3,930,416	11,023,213,741	11,119,952,241
8.600	466	12675264	3,984,042	11,027,197,783	11,121,066,783
8.700	405	12675669	3,505,629	11,030,703,412	11,122,140,412
8.800	432	12676101	3,780,846	11,034,484,258	11,123,170,658
8.900	393	12676494	3,478,008	11,037,962,266	11,124,158,766
9.000	369	12676863	3,302,801	11,041,265,067	11,125,109,067
9.100	306	12677169	2,769,666	11,044,034,733	11,126,025,733
9.200	345	12677514	3,157,722	11,047,192,455	11,126,910,455
9.300	302	12677816	2,794,460	11,049,986,915	11,127,762,815
9.400	286	12678102	2,675,203	11,052,662,118	11,128,585,918
9.500	240	12678342	2,267,781	11,054,929,899	11,129,381,399
9.600	264	12678606	2,522,883	11,057,452,782	11,130,153,582
9.700	210	12678816	2,027,637	11,059,480,419	11,130,901,519
9.800	245	12679061	2,389,297	11,061,869,716	11,131,626,116
9.900	202	12679263	1,989,579	11,063,859,295	11,132,327,695
10.000	197	12679460	1,960,772	11,065,820,067	11,133,010,067
11.000	1,627	12681087	17,021,139	11,082,841,206	11,138,853,206
12.000	1,130	12682217	12,965,548	11,095,806,754	11,143,350,754
13.000	733	12682950	9,150,322	11,104,957,076	11,146,934,076
14.000	567	12683517	7,654,294	11,112,611,370	11,149,879,370
15.000	448	12683965	6,485,977	11,119,097,347	11,152,307,347
16.000	325	12684290	5,035,666	11,124,133,013	11,154,357,013
17.000	254	12684544	4,192,638	11,128,325,651	11,156,120,651
18.000	232	12684776	4,058,613	11,132,384,264	11,157,638,264
19.000	158	12684934	2,917,696	11,135,301,960	11,158,956,960

KWH Step Report for RSD RWO RW1
 press pf15 to continue

08:45 Wednesday, February 22, 1995

KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
20,000	160	12685094	3,118,802	11,138,420,762	11,160,120,762
21,000	129	12685223	2,642,540	11,141,063,302	11,161,139,302
22,000	108	12685331	2,326,973	11,143,390,275	11,162,046,275
23,000	75	12685406	1,692,828	11,145,083,103	11,162,862,103
24,000	87	12685493	2,044,598	11,147,127,701	11,163,591,701
25,000	57	12685550	1,396,221	11,148,523,922	11,164,248,922
26,000	70	12685620	1,783,260	11,150,307,182	11,164,841,182
27,000	65	12685685	1,721,741	11,152,028,923	11,165,366,923
28,000	33	12685718	906,400	11,152,935,323	11,165,843,323
29,000	43	12685761	1,226,286	11,154,161,609	11,166,283,609
30,000	30	12685791	883,426	11,155,045,035	11,166,685,035
31,000	40	12685831	1,220,879	11,156,265,914	11,167,053,914
32,000	28	12685859	882,530	11,157,148,444	11,167,388,444
33,000	18	12685877	584,590	11,157,733,034	11,167,699,034
34,000	46	12685923	1,538,671	11,159,271,705	11,167,975,705
35,000	18	12685941	620,151	11,159,891,856	11,168,221,856
36,000	20	12685961	711,210	11,160,603,066	11,168,451,066
37,000	8	12685969	291,300	11,160,894,366	11,168,664,366
38,000	7	12685976	263,800	11,161,158,166	11,168,872,166
39,000	23	12685999	886,500	11,162,044,666	11,169,064,666
40,000	13	12686012	513,839	11,162,558,505	11,169,238,505
41,000	10	12686022	405,323	11,162,963,828	11,169,400,828
42,000	18	12686040	745,821	11,163,709,649	11,169,547,649
43,000	6	12686046	256,160	11,163,965,809	11,169,684,809
44,000	9	12686055	392,164	11,164,357,973	11,169,813,973
45,000	8	12686063	356,839	11,164,714,812	11,169,934,812
46,000	6	12686069	273,760	11,164,988,572	11,170,048,572
47,000	8	12686077	373,070	11,165,361,642	11,170,155,642
48,000	5	12686082	238,020	11,165,599,662	11,170,255,662
49,000	3	12686085	145,685	11,165,745,347	11,170,351,347
50,000	3	12686088	148,400	11,165,893,747	11,170,443,747
51,000	10	12686098	505,790	11,166,399,537	11,170,530,537
52,000	1	12686099	51,200	11,166,450,737	11,170,610,737
53,000	7	12686106	367,620	11,166,818,357	11,170,687,357
54,000	4	12686110	213,040	11,167,031,397	11,170,757,397
55,000	1	12686111	54,180	11,167,085,577	11,170,825,577
56,000	2	12686113	110,610	11,167,196,187	11,170,892,187
57,000	4	12686117	226,180	11,167,422,367	11,170,956,367
58,000	3	12686120	172,022	11,167,594,389	11,171,016,389
60,000	3	12686123	179,396	11,167,773,785	11,171,133,785
61,000	2	12686125	121,760	11,167,895,545	11,171,189,545
62,000	1	12686126	62,000	11,167,957,545	11,171,243,545
63,000	1	12686127	62,040	11,168,019,585	11,171,295,585
65,000	2	12686129	129,440	11,168,149,025	11,171,399,025
66,000	5	12686134	328,300	11,168,477,325	11,171,447,325
68,000	5	12686139	336,880	11,168,814,205	11,171,534,205
69,000	1	12686140	68,810	11,168,883,015	11,171,574,015
70,000	4	12686144	277,760	11,169,160,775	11,171,610,775

KWH Step Report for RSO RWO RW1
 press pf15 to continue

08:45 Wednesday, February 22, 1995

KWH Step	# Bills	# Bills Cumulative	# KWH	# KWH Cumulative	KWH pass thru Cum
71,000	1	12686145	70,800	11,169,231,575	11,171,645,575
72,000	2	12686147	142,731	11,169,374,306	11,171,678,306
73,000	1	12686148	72,059	11,169,446,365	11,171,709,365
74,000	1	12686149	73,200	11,169,519,565	11,171,739,565
75,000	1	12686150	74,470	11,169,594,035	11,171,769,035
76,000	2	12686152	150,740	11,169,744,775	11,171,796,775
77,000	2	12686154	153,480	11,169,898,255	11,171,823,255
78,000	3	12686157	232,040	11,170,130,295	11,171,846,295
81,000	1	12686158	80,890	11,170,211,185	11,171,912,185
83,000	1	12686159	82,200	11,170,293,385	11,171,953,385
90,000	1	12686160	89,800	11,170,383,185	11,172,093,185
93,000	2	12686162	185,400	11,170,568,585	11,172,149,585
99,000	1	12686163	98,600	11,170,667,185	11,172,251,185
100,000	1	12686164	99,800	11,170,766,985	11,172,266,985
110,000	1	12686165	101,200	11,170,868,185	11,172,408,185
120,000	1	12686166	114,400	11,170,982,585	11,172,542,585
130,000	1	12686167	129,600	11,171,112,185	11,172,672,185
140,000	2	12686169	267,800	11,171,379,985	11,172,779,985
150,000	2	12686171	288,400	11,171,668,385	11,172,868,385
160,000	1	12686172	157,600	11,171,825,985	11,172,945,985
170,000	3	12686175	487,000	11,172,312,985	11,172,992,985
180,000	2	12686177	351,976	11,172,664,961	11,173,024,961
220,000	1	12686178	214,000	11,172,878,961	11,173,098,961
259,704	1	12686179	259,704	11,173,138,665	11,173,138,665

**Pennsylvania Power & Light Company
Response to Interrogatories of the
Office of Small Business Advocate
Dated February 17, 1995**

Docket No. R-00943271

- Q.3. Please provide an annual bill frequency analysis for the GS-1 class differentiated by KW billing demand for 1994.
- A.3. Attachment 1 provides the requested bill frequency analysis.

KW Step Report for G51 G10 G1T G1V G1C
 using demand variables KW KW KWON KW KWON
 applying a minimum demand of 5
 press pf15 to continue

07:13 Wednesday February 22, 1995

KW Step	# Bills	# Bills Cumulative	# KW	# KW Cumulative	KW pass thru Cum
5	915,961	915,961	4,579,805	4,579,805	7,093,095
6	59,277	975,238	340,587	4,920,392	7,580,678
7	53,868	1,029,106	363,284	5,283,675	8,010,266
8	48,020	1,077,126	371,941	5,655,616	8,387,560
9	42,194	1,119,320	368,986	6,024,602	8,718,293
10	37,992	1,157,312	370,545	6,395,147	9,008,217
11	35,429	1,192,741	380,942	6,776,088	9,260,746
12	30,093	1,222,834	353,416	7,129,504	9,478,924
13	26,113	1,248,947	332,884	7,462,388	9,668,124
14	22,768	1,271,715	312,961	7,775,349	9,832,005
15	20,064	1,291,779	295,835	8,071,184	9,973,784
16	17,302	1,309,081	272,494	8,343,678	10,096,286
17	14,854	1,323,935	248,879	8,592,556	10,202,184
18	12,552	1,336,487	222,669	8,815,225	10,293,601
19	10,815	1,347,302	202,786	9,018,011	10,373,034
20	8,949	1,356,251	176,854	9,194,864	10,442,224
21	7,701	1,363,952	159,876	9,354,740	10,502,747
22	5,913	1,369,865	128,588	9,483,328	10,555,916
23	5,182	1,375,047	117,899	9,601,226	10,603,382
24	4,255	1,379,302	101,105	9,702,331	10,645,939
25	3,818	1,383,118	94,528	9,796,859	10,684,384
30	12,167	1,395,285	334,378	10,131,237	10,831,257
35	6,661	1,401,946	217,001	10,348,237	10,931,792
40	4,050	1,405,996	152,445	10,500,682	11,005,602
45	2,664	1,408,660	113,562	10,614,244	11,062,399
50	1,844	1,410,504	87,825	10,702,069	11,107,819
55	1,415	1,411,919	74,400	10,776,468	11,144,968
60	982	1,412,901	56,692	10,833,160	11,176,240
65	817	1,413,718	51,180	10,884,339	11,202,804
70	699	1,414,417	47,253	10,931,592	11,225,732
75	564	1,414,981	40,978	10,972,570	11,245,420
80	447	1,415,428	34,740	11,007,310	11,262,590
85	372	1,415,800	30,769	11,038,078	11,277,693
90	285	1,416,085	25,070	11,063,148	11,291,208
95	241	1,416,326	22,359	11,085,507	11,303,342
100	235	1,416,561	22,966	11,108,473	11,314,273
105	198	1,416,759	20,325	11,128,798	11,324,098
110	184	1,416,943	19,819	11,148,616	11,332,976
115	205	1,417,148	23,132	11,171,748	11,340,913
120	158	1,417,306	18,652	11,190,400	11,347,960
125	124	1,417,430	15,229	11,205,629	11,354,254
130	114	1,417,544	14,544	11,220,173	11,359,923
135	101	1,417,645	13,410	11,233,582	11,365,072
140	71	1,417,716	9,771	11,243,353	11,369,773
145	58	1,417,774	8,271	11,251,624	11,374,149
150	42	1,417,816	6,212	11,257,836	11,378,286

KW Step Report for GSI G10 GIT GIV GIC
 using demand variables KW KWON KW KWON
 applying a minimum demand of 5
 press pf15 to continue

07:13 Wednesday, February 22, 1995

KW Step	# Bills	# Bills Cumulative	# KW	# KW Cumulative	KW pass thru Cum
155	44	1,417,860	6,731	11,264,567	11,382,212
160	54	1,417,914	8,529	11,273,095	11,385,895
165	46	1,417,960	7,481	11,280,576	11,389,311
170	32	1,417,992	5,354	11,285,930	11,392,520
175	34	1,418,026	5,863	11,291,793	11,395,568
180	47	1,418,073	8,357	11,300,150	11,398,430
185	21	1,418,094	3,839	11,303,989	11,401,114
190	38	1,418,132	7,128	11,311,117	11,403,647
195	34	1,418,166	6,545	11,317,662	11,405,997
200	37	1,418,203	7,311	11,324,973	11,408,173
225	116	1,418,319	24,473	11,349,446	11,416,946
250	56	1,418,375	13,224	11,362,670	11,423,670
275	33	1,418,408	8,675	11,371,345	11,429,370
300	33	1,418,441	9,492	11,380,837	11,434,237
325	29	1,418,470	9,051	11,389,888	11,438,313
350	34	1,418,504	11,555	11,401,443	11,441,693
375	26	1,418,530	9,394	11,410,836	11,444,211
400	24	1,418,554	9,326	11,420,162	11,446,162
425	17	1,418,571	7,047	11,427,209	11,447,609
450	14	1,418,585	6,182	11,433,391	11,448,691
475	10	1,418,595	4,608	11,437,999	11,449,399
500	4	1,418,599	1,936	11,439,934	11,449,934
525	6	1,418,605	3,072	11,443,006	11,450,356
550	3	1,418,608	1,613	11,444,619	11,450,669
575	2	1,418,610	1,140	11,445,758	11,450,933
650	2	1,418,612	1,266	11,447,024	11,451,574
725	1	1,418,613	710	11,447,734	11,452,084
750	1	1,418,614	749	11,448,483	11,452,233
825	3	1,418,617	2,417	11,450,900	11,452,550
864	2	1,418,619	1,716	11,452,616	11,452,616