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SPECIAL STUDIES

DEMAND TABLES



RURAL ELECTRIFICATION ADMINISTRATION • U.S. DEPARTMENT OF AGRICULTURE

PREFACE

* 1963
The tables in this bulletin have been prepared for determining demand data to be used in connection with engineering studies on rural distribution systems. They are based on 1954-1955 load data obtained from systems throughout the country. A check of current data has shown that the tables are still applicable. This has been confirmed by operating experience. A short discussion is included to acquaint those using the bulletin with the basic data and methods used in its preparation in order to provide a better understanding when applying the information to specific problems. An attempt has been made to anticipate and answer questions which may be in the minds of those using the "Demand Tables."

Four methods are provided for the calculation of demand, all of which will give essentially the same results. They are:

1. The use of Consumer Factor "A" and KWH Factor "B" from the tables.
2. The use of nomograms which are based on Factors "A" and "B".
3. The use of Factors "A" and "B" as obtained from the equations:

$$\text{Factor "A"} = C [1 - .4C + .4(C^2 + 40)^{\frac{1}{2}}]$$

Where C = number of consumers

$$\text{Factor "B"} = .005925(\text{KWH/mo/consumer})^{.885}$$

This method is useful for computers.

4. The use of the demand tables from which demand may be read directly.

In the methods for determining demand data, which make use of Consumer Factor (Factor "A") and KWH Factor (Factor "B"), Factor "A" reflects the improved diversity resulting from an increase in the number of consumers, and Factor "B" reflects the improvement in load factor with increased usage. KW demand is equal to the product of Factor "A" and Factor "B". It will be noted that above 1400 consumers, Factor "A" is, for all practical purposes, equal to the number of consumers. Factor "B" may be plotted as a straight line on log-log paper.

The demand obtained by any of the four methods is based on the average system, and some systems will deviate from the average because of a difference in load factor. These methods may be adapted to a particular system by selecting the appropriate table or calculating a multiplying factor as shown in Section IV.

The kw demands in this bulletin are those which may be expected for any particular monthly usage. Therefore, to obtain the maximum yearly demand, the maximum monthly usage, rather than the average usage, should be used.

DEMAND TABLES

I. BASIC INFORMATION

The information for this bulletin, except for the smaller numbers of consumers (less than 50), was taken from operating reports and power bills furnished by REA borrowers. A 25% sample was taken from each area, also representing so far as possible 25 percent of those in each state. One substation was selected from each system avoiding those with unusual loads, such as army installations, large industrial plants, and seasonal cottages. These were not used because the effect of such loads is included separately in engineering studies. In several cases it was necessary to discard a sample because of unusual conditions which were not representative of a rural system, resulting in a reduction of the sample to approximately 23 percent.

To avoid irregularities in meter reading times, the four-month peak demand period (four consecutive months) was selected for determining monthly usage and demand. The values used in preparing the tables were the average monthly usage and the average monthly demand over this four-month peak period of maximum demand. Therefore, the kw demand data in the bulletin are those which may be expected for any particular monthly usage. To obtain the maximum yearly demand, the maximum monthly usage, rather than the average usage, should be applied in reading the tables. The kwh values used are based on kwh sold at the consumer's meter, making it unnecessary to correct for losses.

Information available in REA for small numbers of consumers could not be used, since it was found that substations with only a few consumers were those with unusual loads and not representative of a typical rural area. The data in this range were obtained from a study made on 42 farms by the Agricultural Experiment Station, Iowa State College, and the Farm Electrification Section, Agricultural Research Service, U. S. Department of Agriculture. The information is contained in Iowa State College Research Bulletin 420, January 1955, "Load Characteristics of Southeastern Iowa Farms Using Electric Ranges."

II. METHOD OF PLOTTING DATA

The data were plotted as KWH/Mo/KW vs. Consumers, the ordinate being a measure of diversity. A notation was made by each point indicating the area from which it was taken. The peak month and density were also noted on a separate sheet. An examination of the points showed no noticeable difference because of area or density. However, a spot check indicated that about three-fourths of the summer peaking systems will have a lower demand than the average and one-fourth higher than average.

*This revision combines REA Bulletin 45-2, dated August 1956, and the supplement, dated June 1957, under one cover.

From past experience and by inspection it could be seen that the plot of KWH/Mo/KW vs. Consumers would be a family of curves, each curve representing a particular value of kwh/mo/consumer. Knowing this to be true, one curve would have been sufficient, but in order to prove the point three curves were plotted. Because of the lack of sufficient points to plot specific values of usage, curves were plotted for three ranges: 101-200, 201-400, and 401-600 kwh/mo/consumer.

Figure 1 shows the spread of points for 401-600 kwh/mo/consumer. A curve was drawn through these points by the method of moving averages. The original curve was carried to 10,000 consumers but as a matter of convenience Figure 1 has not been reproduced beyond 2,000 consumers since the curve continues in a straight line.

In Figure 2 this same curve has been reproduced with the other two curves mentioned above for comparative purposes. It will be noted that the three curves have the same shape and level off at approximately 1400 consumers. Any point on either curve may now be identified as a given percentage of the maximum kwh/mo/kw for that curve. For example, using a given number of consumers, a point which is 50 percent below the maximum on one curve will be 50 percent below the maximum for any curve in the family.

To find the maximum for any curve in the family, it was necessary to find some relationship between the maximum values for the three curves plotted. The three points appeared to form a straight line on log-log paper, but more points were needed to verify this assumption. This was accomplished by making a plot of all points above 1400 consumers (Fig. 3), since the effect of the third variable, consumers, is constant in that range as shown by the curves in Figure 2. A curve drawn through these points by the method of moving averages verified the previous assumption that the plot would form a straight line on log-log paper. This straight line curve was also in agreement with a straight line drawn through the three points of maximum value found in Figure 2.

III. CALCULATION OF KW DEMAND

The following equation was derived for calculating demand from the information available from the curves:

$$KW = \frac{KWH \times KW}{KWH} \quad (\text{An identity})$$

Dividing numerator and denominator by KW:

$$\begin{aligned} KW &= \frac{KWH}{KWH/KW} \quad (\text{where } KWH = KWH/Mo/Consumer \times \text{Consumers}) \\ &= \frac{KWH/Mo/Consumer \times \text{Consumers}}{\text{Max. } KWH/Mo/KW \times \% \text{ Max.}} \\ &= \frac{KWH/Mo/Consumer}{\text{Max. } KWH/Mo/KW} \times \frac{\text{Consumers}}{\% \text{ Max.}} \end{aligned}$$

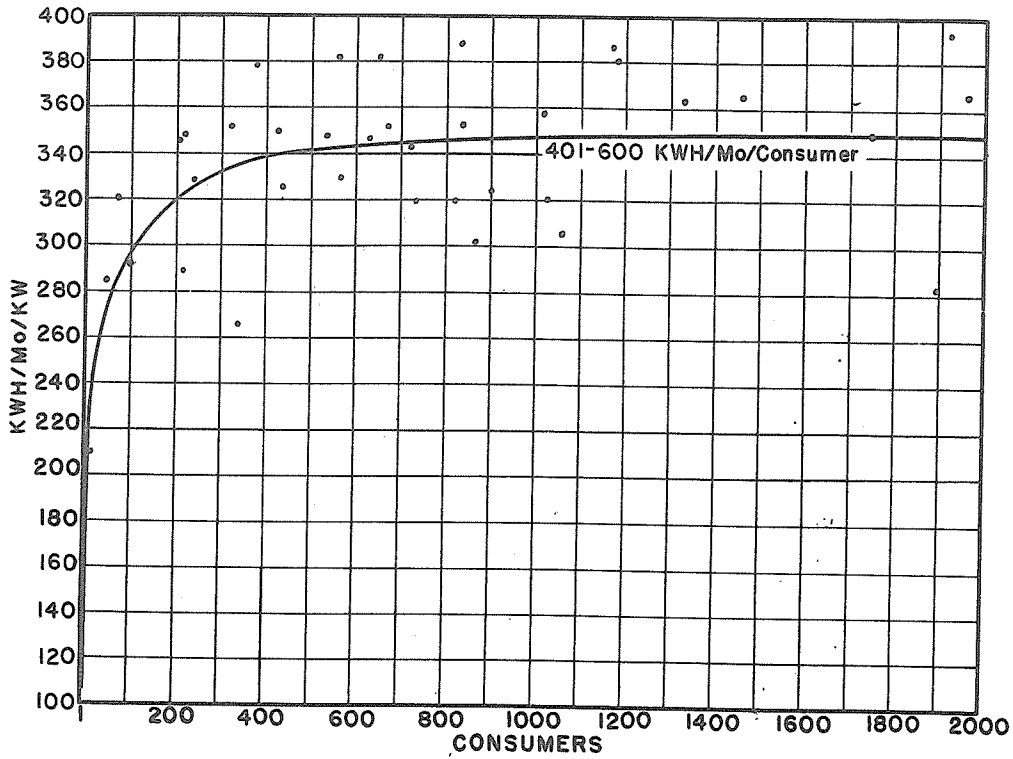


FIG. 1 KWH/MO/KW VS. CONSUMERS

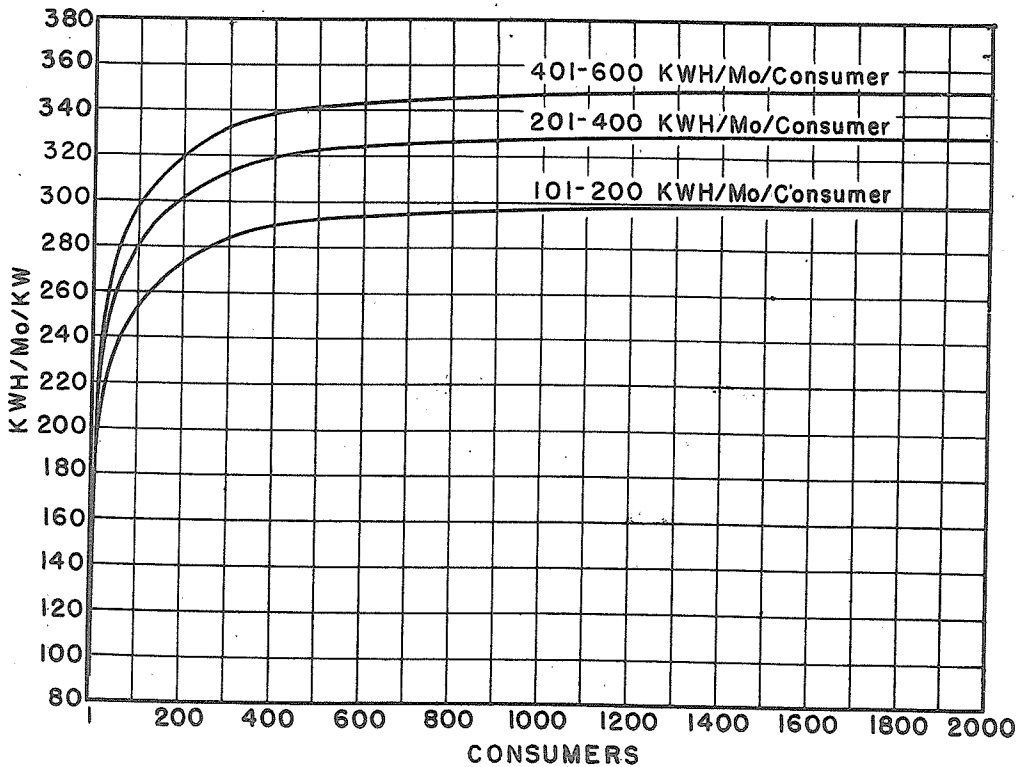


FIG. 2. KWH/MO/KW VS. CONSUMERS

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The first term has been designated as kwh factor or Factor "B" and the second term as consumer factor or Factor "A". After determining Factor "A" for all numbers of consumers and Factor "B" for all values of kwh, the kw demand for any consumer density and usage may then be calculated by multiplying the two corresponding factors. Factor "A" reflects the improved diversity resulting from an increase in the number of consumers. Factor "B" reflects the improvement in load factor with increased usage, and is the kw demand per consumer to be expected on an average substation having maximum diversity (more than 1400 consumers).

KW demands may be calculated for usages higher than the 2000 kwh/mo/consumer shown in the tables by extending the curve for Factor "B" which is a straight line on log-log paper as shown in Figure 4.

Four methods of calculating demand have been prepared. These are all based upon the curves for Factors "A" and "B" and give approximately the same results.

Method 1: The use of Consumer Factor "A" and KWH Factor "B" from the tables - multiplying the factors gives the demand.

$$\text{Demand} = (\text{Factor "A"}) (\text{Factor "B"})$$

Method 2: A nomogram has been included in this bulletin for convenience. The divisions on the left-hand scale of the nomogram represent the log of Factor "A" corresponding to the number of consumers; the divisions on the right-hand scale represent the log of Factor "B" corresponding to kwh/mo/consumer; and the center scale represents log Factor "A" + log Factor "B" found by placing a straightedge from "A" to "B". In this way Factor "A" and Factor "B" are multiplied by adding their logarithms.

Method 3: For use with computers it is necessary to provide equations for Factors "A" and "B" to conserve memory space. The following equations may be used for this purpose:

$$\text{Factor "A"} = C(1 - .4C + .4(C^2 + 40)^{\frac{1}{2}})$$

Where C = number of consumers

(This equation is not exact but closely approximates the curve of Factor "A".)

$$\text{Factor "B"} = .005925(\text{KWH/Mo/Consumer})^{.885}$$

(This is the equation of the line in Figure 4)

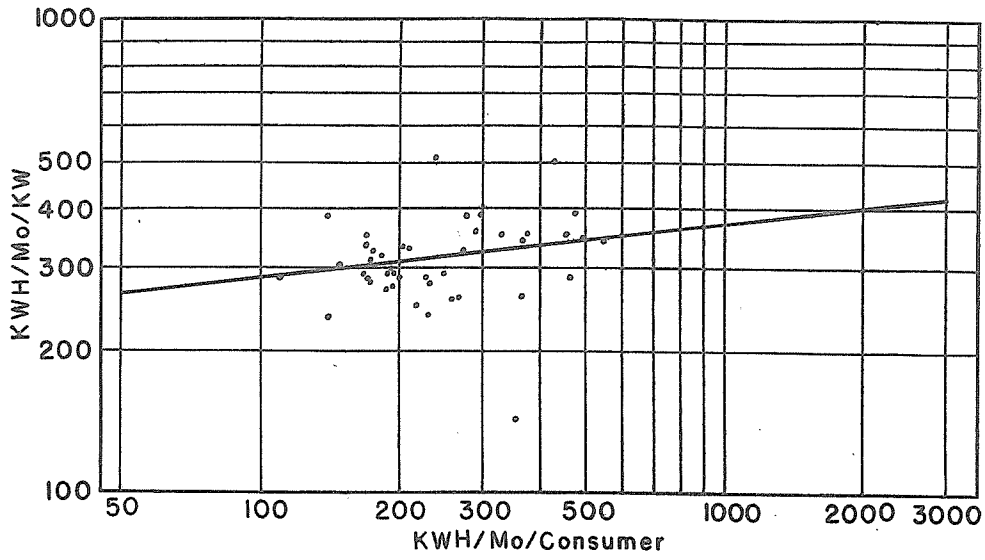


FIG. 3. KWH/MO/KW VS. KWH/MO/CONSUMER
(For 1400 consumers or more.)

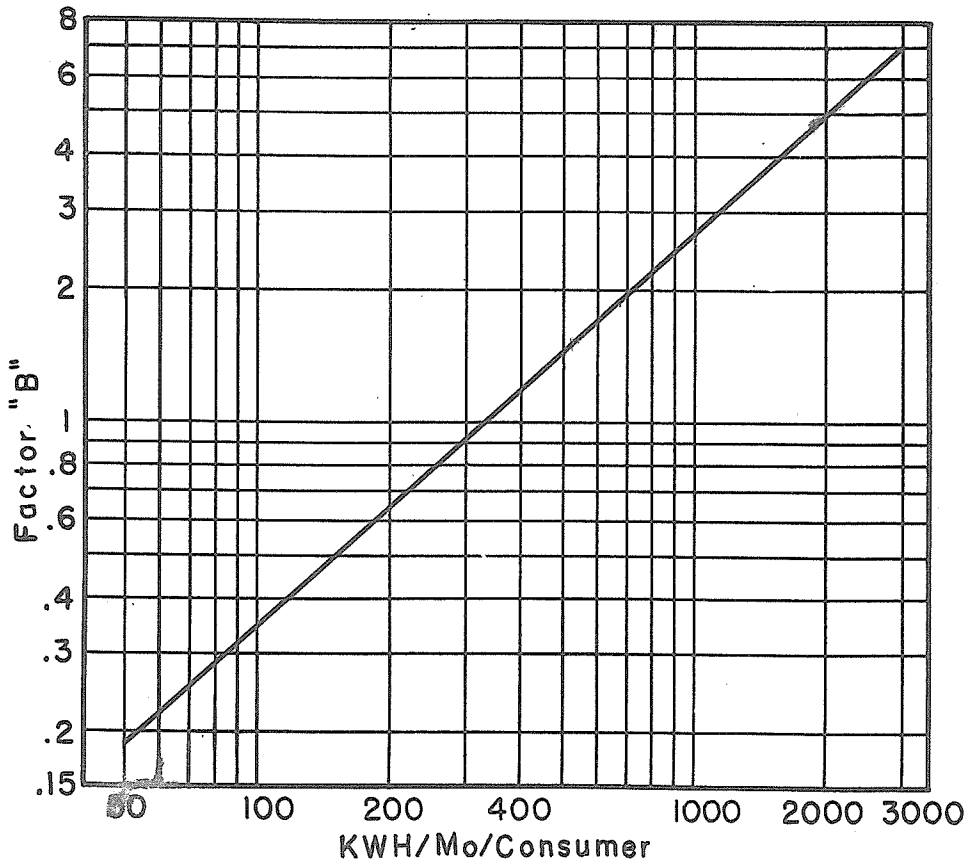


FIG. 4. KWH FACTOR (Factor "B")

Method 4: Average demand may be obtained directly from the demand tables. To use these tables, locate the table marked with the proper KWH monthly usage, find the number of consumers in the column marked NO. CONSUMERS, and read the demand in the column marked DEMAND IN KW.

IV. ADJUSTMENT FOR DIFFERENCE IN LOAD FACTOR

As stated in the preface, the demand tables are based on the average system, and some systems will deviate from the average because of load factor. If the load factor and diversity are expected to continue to bear the same relationship to the average, the tables may be easily adapted to the particular system. Three approaches to load factor adjustment are compared as follows:

Given: Present values = 254 kw
500 consumers
200 kwh/mo/consumer

To find: Table, multiplying factor, or shift in Factor "B" curve required for the same area with a usage of 600 kwh/mo/consumer.

Example 1

A demand of 254 kw for 500 consumers is found in the table for 150 kwh/mo/consumer rather than the table for 200 kwh/mo/consumer which indicates that the system has a better load factor than the average system. When the usage reaches 600 kwh/mo/consumer the table to use is found by the ratio:

$$\frac{200}{150} = \frac{600}{x}$$

Solving for x, the proper table to use is the one for 450 kwh/mo/consumer.

Example 2

For 500 consumers and 200 kwh/mo/consumer, the load factor from the tables on page 16:

$$\frac{\text{Consumers} \times \text{KWH/Mo/Consumer}}{\text{KW} \times \text{Hours}} = \frac{500(200)}{328(730)} = 41.8\%$$

The actual load factor equals:

$$\frac{\text{Consumers} \times \text{KWH/Mo/Consumer}}{\text{KW} \times \text{Hours}} = \frac{500(200)}{254(730)} = 54.0\%$$

$$\text{Multiplying factor} = \frac{41.8}{54.0} = 0.775$$

$$\text{or} = \frac{254}{328} = 0.775$$

Example 3

Consumer factor (Factor "A") does not change but kwh usage factor (Factor "B") changes with load factor. Therefore, adjustment may be made by drawing a Factor "B" curve for the particular system parallel to the average curve.

For 500 consumers, Factor "A" = 512 (p. 46)

$$\text{Factor "B"} = \frac{\text{KW}}{\text{Factor "A"}} = \frac{254}{512} = .496$$

A straight line through the point for KWH/Mo/Consumer = 200 and Factor "B" = .496 drawn parallel to the average curve is the Factor "B" curve for this system.

Comparison of kw demand found in each example for 5000 consumers:

Example 1

Using the table for 450 kwh/mo/consumer, the demand for 5000 consumers = 6600 kw.

Example 2

The table for 600 kwh/mo/consumer shows a demand of 8500 kw. Applying the multiplying factor, the corrected demand equals:

$$8500 \text{ kw} \times 0.775 = 6600 \text{ kw}$$

Example 3

The new Factor "B" curve drawn as mentioned above shows this factor to be 1.32 for 600 kwh/mo/consumer.

For 5000 consumers, Factor "A" = 5000
Factor "A" × Factor "B" = 5000 × 1.32 = 6600 kw

V. COMPARISON OF DEMAND CURVES 1939-1955

The curves prepared in 1939 and 1949 plotting KWH/Mo/KW vs. Consumers are compared in Figure 5 with the 1955 curve for the same usage value. Fifty kwh/mo/consumer has been used as a basis for comparison since the 1939 curve was based on this usage. From 1949 to 1955 the maximum kwh/mo/kw shows very little change. This indicates that the addition of new uses for electricity should not appreciably affect estimates made on the basis of present information.

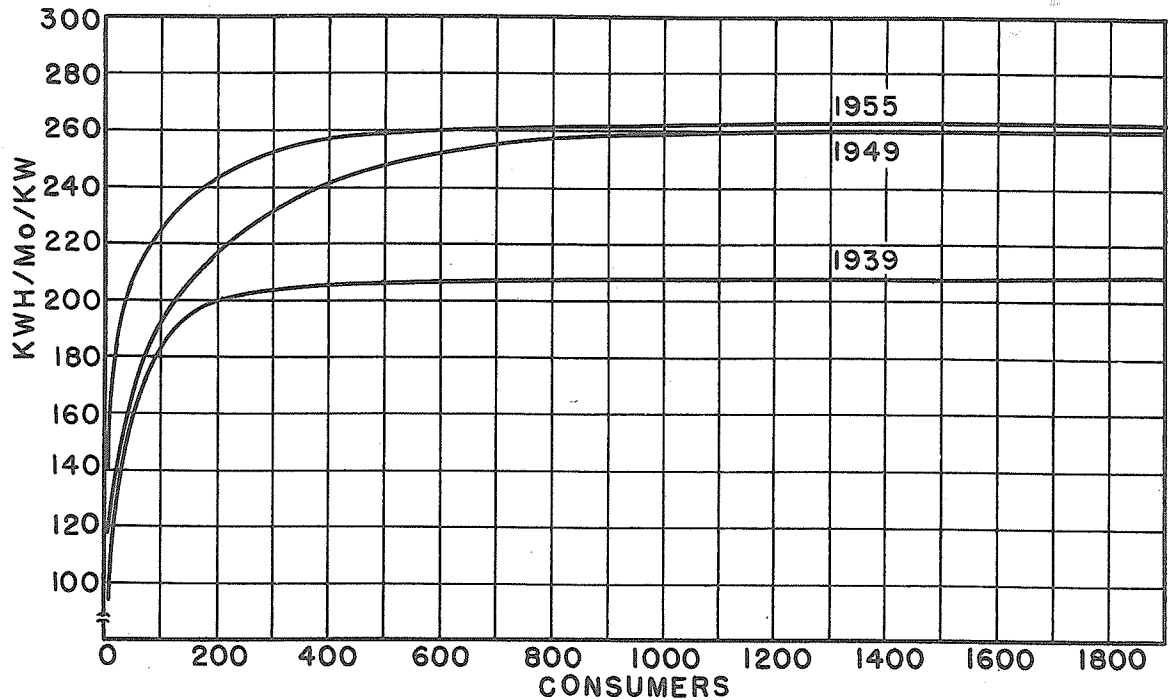


FIG. 5 KWH/MO/KW VS. CONSUMERS
(For 50 KWH/Mo/Consumer)

VI. CONVERSION EQUATIONS

Those who may wish to relate the information in the "Demand Tables" to coincidence factor, diversity factor, and average undiversified individual consumer demand may do so by use of the following equations:

$$\text{Coincidence factor} = \frac{\text{Factor "A"}}{3.29 \times \text{Consumers}}$$

$$\text{Diversity factor} = \frac{3.29 \times \text{Consumers}}{\text{Factor "A"}}$$

$$\text{Avg. KW/Consumer} = 3.29 \times \text{Factor "B"} \\ \text{(Undiversified)}$$

Where 3.29 = Factor "A" for one consumer

DEMAND TABLES
 50 KWH/MO/CONSUMER
 FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	1.79								
6	2.04								
7	2.29								
8	2.55								
9	2.80								
10	3.04								
11	3.29	62	14.5	255	51.4	820	157	3100	586
12	3.53	64	14.9	260	52.2	840	161	3200	605
13	3.80	66	15.3	265	53.3	860	165	3300	624
14	4.04	68	15.7	270	54.2	880	168	3400	643
15	4.29	70	16.1	275	55.0	900	172	3500	662
16	4.53	72	16.6	280	55.9	920	176	3600	680
17	4.78	74	17.0	285	56.9	940	180	3700	699
18	5.03	76	17.4	290	57.8	960	184	3800	718
19	5.25	78	17.7	295	58.6	980	187	3900	737
20	5.52	80	18.1	300	59.5	1000	191	4000	756
21	5.75	82	18.6	310	61.4	1050	200	4100	775
22	5.99	84	18.9	320	63.3	1100	209	4200	794
23	6.20	86	19.3	330	65.0	1150	219	4300	813
24	6.41	88	19.7	340	66.9	1200	228	4400	832
25	6.60	90	20.2	350	68.8	1250	237	4500	851
26	6.80	92	20.6	360	70.5	1300	246	4600	869
27	7.03	94	21.0	370	72.4	1350	256	4700	888
28	7.35	96	21.4	380	74.3	1400	265	4800	907
29	7.47	98	21.7	390	76.2	1450	274	4900	926
30	7.69	100	22.1	400	77.9	1500	284	5000	945
31	7.92	105	23.1	410	79.8	1550	293	5100	964
32	8.15	110	24.2	420	81.6	1600	302	5200	983
33	8.37	115	25.1	430	83.5	1650	312	5300	1002
34	8.58	120	26.1	440	85.4	1700	321	5400	1021
35	8.81	125	27.0	450	87.3	1750	331	5500	1040
36	9.02	130	28.0	460	89.2	1800	340	5600	1058
37	9.24	135	28.9	470	90.9	1850	350	5700	1077
38	9.45	140	30.1	480	92.8	1900	359	5800	1096
39	9.68	145	30.8	490	94.7	1950	369	5900	1115
40	9.88	150	31.8	500	96.8	2000	378	6000	1134
41	10.1	155	32.7	510	98.7	2050	387	6200	1172
42	10.3	160	33.6	520	101	2100	397	6400	1210
43	10.5	165	34.6	530	102	2150	406	6600	1247
44	10.7	170	35.5	540	104	2200	416	6800	1285
45	10.9	175	36.5	550	106	2250	425	7000	1323
46	11.2	180	37.4	560	108	2300	435	7200	1361
47	11.4	185	38.4	570	110	2350	444	7400	1399
48	11.6	190	39.3	580	112	2400	454	7600	1436
49	11.8	195	40.3	590	114	2450	463	7800	1474
50	12.0	200	41.2	600	116	2500	473	8000	1512
51	12.2	205	42.1	620	119	2550	482	8200	1550
52	12.4	210	43.1	640	123	2600	491	8400	1588
53	12.6	215	44.0	660	127	2650	501	8600	1625
54	12.9	220	45.0	680	131	2700	510	8800	1663
55	13.0	225	45.9	700	135	2750	520	9000	1701
56	13.3	230	46.7	720	139	2800	529	9200	1739
57	13.5	235	47.6	740	142	2850	539	9400	1777
58	13.7	240	48.6	760	146	2900	548	9600	1814
59	13.9	245	49.5	780	150	2950	558	9800	1852
60	14.1	250	50.5	800	153	3000	567	10000	1890

DEMAND TABLES

75 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	2.56								
6	2.92								
7	3.27								
8	3.65								
9	4.00								
10	4.35								
11	4.70	62	20.7	255	73.4	820	224	3100	837
12	5.05	64	21.3	260	74.5	840	230	3200	864
13	5.43	66	21.9	265	76.1	860	236	3300	891
14	5.78	68	22.5	270	77.5	880	241	3400	918
15	6.13	70	23.1	275	78.6	900	246	3500	945
16	6.48	72	23.7	280	79.9	920	251	3600	972
17	6.83	74	24.2	285	81.3	940	257	3700	999
18	7.18	76	24.8	290	82.6	960	262	3800	1026
19	7.51	78	25.4	295	83.7	980	268	3900	1053
20	7.88	80	25.9	300	85.1	1000	273	4000	1080
21	8.21	82	26.5	310	87.8	1050	286	4100	1107
22	8.56	84	27.0	320	90.5	1100	299	4200	1134
23	8.86	86	27.5	330	92.9	1150	312	4300	1161
24	9.15	88	28.1	340	95.6	1200	326	4400	1188
25	9.42	90	28.9	350	98.3	1250	339	4500	1215
26	9.72	92	29.4	360	101	1300	352	4600	1242
27	10.0	94	30.0	370	103	1350	365	4700	1269
28	10.5	96	30.5	380	106	1400	378	4800	1296
29	10.7	98	31.1	390	109	1450	392	4900	1323
30	11.0	100	31.6	400	111	1500	405	5000	1350
31	11.3	105	32.9	410	114	1550	419	5100	1377
32	11.6	110	34.6	420	117	1600	432	5200	1404
33	12.0	115	35.9	430	119	1650	446	5300	1431
34	12.3	120	37.3	440	122	1700	459	5400	1458
35	12.6	125	38.6	450	125	1750	473	5500	1485
36	12.9	130	40.0	460	127	1800	486	5600	1512
37	13.2	135	41.3	470	130	1850	500	5700	1539
38	13.5	140	42.9	480	133	1900	513	5800	1566
39	13.8	145	44.0	490	135	1950	527	5900	1593
40	14.1	150	45.4	500	138	2000	540	6000	1620
41	14.4	155	46.7	510	141	2050	554	6200	1674
42	14.7	160	48.1	520	144	2100	567	6400	1728
43	15.0	165	49.4	530	146	2150	581	6600	1782
44	15.3	170	50.8	540	149	2200	594	6800	1836
45	15.6	175	52.1	550	151	2250	608	7000	1890
46	15.9	180	53.5	560	154	2300	621	7200	1944
47	16.3	185	54.8	570	157	2350	635	7400	1998
48	16.6	190	56.2	580	160	2400	648	7600	2052
49	16.8	195	57.5	590	162	2450	662	7800	2106
50	17.1	200	58.9	600	165	2500	675	8000	2160
51	17.5	205	60.2	620	170	2550	689	8200	2214
52	17.7	210	61.6	640	176	2600	702	8400	2268
53	18.0	215	62.9	660	181	2650	716	8600	2322
54	18.4	220	64.3	680	187	2700	729	8800	2376
55	18.6	225	65.6	700	193	2750	743	9000	2430
56	19.0	230	66.7	720	198	2800	756	9200	2484
57	19.2	235	68.0	740	203	2850	770	9400	2538
58	19.5	240	69.4	760	208	2900	783	9600	2592
59	19.9	245	70.7	780	214	2950	797	9800	2646
60	20.1	250	72.1	800	219	3000	810	10000	2700

DEMAND TABLES
 100 KWH/MO/CONSUMER
 FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	3.30								
6	3.76								
7	4.21								
8	4.70								
9	5.15								
10	5.60								
11	6.06	62	26.7	255	94.7	820	290	3100	1079
12	6.51	64	27.5	260	96.0	840	297	3200	1114
13	6.99	66	28.2	265	98.1	860	304	3300	1148
14	7.45	68	29.0	270	99.9	880	310	3400	1183
15	7.90	70	29.7	275	101	900	317	3500	1218
16	8.35	72	30.5	280	103	920	324	3600	1253
17	8.80	74	31.2	285	105	940	331	3700	1288
18	9.26	76	31.9	290	106	960	338	3800	1322
19	9.67	78	32.7	295	108	980	345	3900	1357
20	10.2	80	33.4	300	110	1000	351	4000	1392
21	10.6	82	34.2	310	113	1050	369	4100	1427
22	11.0	84	34.8	320	117	1100	386	4200	1462
23	11.4	86	35.5	330	120	1150	403	4300	1496
24	11.8	88	36.2	340	123	1200	420	4400	1531
25	12.1	90	37.2	350	127	1250	437	4500	1566
26	12.5	92	37.9	360	130	1300	454	4600	1601
27	12.9	94	38.6	370	133	1350	471	4700	1636
28	13.5	96	39.3	380	137	1400	487	4800	1670
29	13.7	98	40.0	390	140	1450	505	4900	1705
30	14.2	100	40.7	400	143	1500	522	5000	1740
31	14.6	105	42.5	410	147	1550	539	5100	1775
32	15.0	110	44.5	420	150	1600	557	5200	1810
33	15.4	115	46.3	430	154	1650	574	5300	1844
34	15.8	120	48.0	440	157	1700	592	5400	1879
35	16.2	125	49.8	450	161	1750	609	5500	1914
36	16.6	130	51.5	460	164	1800	626	5600	1949
37	17.0	135	53.2	470	167	1850	644	5700	1984
38	17.4	140	55.3	480	171	1900	661	5800	2018
39	17.8	145	56.7	490	174	1950	679	5900	2053
40	18.2	150	58.5	500	178	2000	696	6000	2088
41	18.6	155	60.2	510	182	2050	713	6200	2158
42	19.0	160	61.9	520	185	2100	731	6400	2227
43	19.3	165	63.7	530	189	2150	748	6600	2297
44	19.7	170	65.4	540	192	2200	766	6800	2366
45	20.1	175	67.2	550	195	2250	783	7000	2436
46	20.5	180	68.9	560	199	2300	800	7200	2506
47	20.9	185	70.6	570	203	2350	818	7400	2575
48	21.4	190	72.4	580	206	2400	835	7600	2645
49	21.7	195	74.1	590	209	2450	853	7800	2714
50	22.1	200	75.9	600	213	2500	870	8000	2784
51	22.5	205	77.6	620	220	2550	887	8200	2854
52	22.9	210	79.3	640	227	2600	905	8400	2923
53	23.2	215	81.1	660	234	2650	922	8600	2993
54	23.7	220	82.8	680	241	2700	940	8800	3062
55	24.0	225	84.6	700	248	2750	957	9000	3132
56	24.4	230	86.0	720	255	2800	974	9200	3202
57	24.8	235	87.7	740	262	2850	992	9400	3271
58	25.2	240	89.4	760	269	2900	1009	9600	3341
59	25.6	245	91.2	780	276	2950	1027	9800	3410
60	25.9	250	92.9	800	283	3000	1044	10000	3480

DEMAND TABLES

125 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	4.02								
6	4.58								
7	5.13								
8	5.72								
9	6.28								
10	6.83								
11	7.37	62	32.5	255	115	820	353	3100	1314
12	7.93	64	33.5	260	117	840	362	3200	1357
13	8.52	66	34.4	265	120	860	370	3300	1399
14	9.07	68	35.3	270	122	880	378	3400	1442
15	9.62	70	36.2	275	123	900	386	3500	1484
16	10.2	72	37.1	280	126	920	395	3600	1526
17	10.7	74	38.0	285	128	940	403	3700	1569
18	11.3	76	38.9	290	130	960	412	3800	1611
19	11.8	78	39.8	295	131	980	421	3900	1654
20	12.4	80	40.7	300	134	1000	428	4000	1696
21	12.9	82	41.7	310	138	1050	449	4100	1738
22	13.4	84	42.4	320	142	1100	470	4200	1780
23	13.9	86	43.2	330	146	1150	491	4300	1823
24	14.4	88	44.1	340	150	1200	512	4400	1866
25	14.8	90	45.4	350	154	1250	532	4500	1908
26	15.3	92	46.2	360	158	1300	553	4600	1950
27	15.8	94	47.1	370	162	1350	574	4700	1993
28	16.3	96	47.9	380	167	1400	594	4800	2035
29	16.7	98	48.8	390	171	1450	615	4900	2078
30	17.3	100	49.6	400	175	1500	636	5000	2120
31	17.8	105	51.7	410	179	1550	657	5100	2162
32	18.3	110	54.3	420	183	1600	678	5200	2205
33	18.8	115	56.4	430	187	1650	700	5300	2247
34	19.2	120	58.5	440	192	1700	721	5400	2290
35	19.8	125	60.6	450	196	1750	742	5500	2332
36	20.2	130	62.8	460	200	1800	763	5600	2374
37	20.7	135	64.9	470	204	1850	784	5700	2417
38	21.2	140	67.4	480	208	1900	806	5800	2459
39	21.7	145	69.1	490	212	1950	827	5900	2502
40	22.2	150	71.2	500	217	2000	848	6000	2544
41	22.6	155	73.4	510	221	2050	869	6200	2629
42	23.1	160	75.5	520	226	2100	890	6400	2714
43	23.5	165	77.6	530	230	2150	912	6600	2798
44	24.0	170	79.7	540	234	2200	933	6800	2883
45	24.5	175	81.8	550	238	2250	954	7000	2968
46	25.0	180	84.0	560	242	2300	975	7200	3053
47	25.5	185	86.0	570	247	2350	996	7400	3138
48	26.0	190	88.2	580	251	2400	1018	7600	3222
49	26.5	195	90.3	590	255	2450	1039	7800	3307
50	26.9	200	92.4	600	259	2500	1060	8000	3392
51	27.4	205	94.6	620	268	2550	1081	8200	3477
52	27.9	210	96.7	640	276	2600	1102	8400	3562
53	28.3	215	98.8	660	285	2650	1124	8600	3646
54	28.8	220	101	680	293	2700	1145	8800	3731
55	29.3	225	103	700	302	2750	1166	9000	3816
56	29.8	230	105	720	311	2800	1187	9200	3901
57	30.2	235	107	740	319	2850	1208	9400	3986
58	30.7	240	109	760	327	2900	1230	9600	4070
59	31.2	245	111	780	336	2950	1251	9800	4155
60	31.6	250	113	800	344	3000	1272	10000	4240

DEMAND TABLES

150 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	4.72								
6	5.37								
7	6.01								
8	6.71								
9	7.36								
10	8.00								
11	8.65	62	38.1	255	135	820	414	3100	1541
12	9.29	64	39.2	260	137	840	424	3200	1590
13	9.99	66	40.3	265	140	860	434	3300	1640
14	10.6	68	41.4	270	143	880	443	3400	1690
15	11.3	70	42.4	275	145	900	453	3500	1740
16	11.9	72	43.5	280	147	920	463	3600	1789
17	12.6	74	44.6	285	150	940	473	3700	1839
18	13.2	76	45.6	290	152	960	483	3800	1889
19	13.8	78	46.7	295	154	980	493	3900	1938
20	14.5	80	47.7	300	157	1000	502	4000	1988
21	15.1	82	48.9	310	162	1050	526	4100	2038
22	15.8	84	49.7	320	166	1100	551	4200	2087
23	16.3	86	50.7	330	171	1150	575	4300	2137
24	16.8	88	51.7	340	176	1200	600	4400	2187
25	17.3	90	53.2	350	181	1250	624	4500	2237
26	17.9	92	54.2	360	185	1300	648	4600	2286
27	18.5	94	55.2	370	190	1350	672	4700	2336
28	19.3	96	56.2	380	195	1400	696	4800	2386
29	19.6	98	57.2	390	200	1450	721	4900	2435
30	20.2	100	58.1	400	205	1500	746	5000	2485
31	20.8	105	60.6	410	210	1550	770	5100	2535
32	21.4	110	63.6	420	215	1600	795	5200	2584
33	22.0	115	66.1	430	220	1650	820	5300	2634
34	22.6	120	68.6	440	225	1700	845	5400	2684
35	23.2	125	71.1	450	230	1750	870	5500	2734
36	23.7	130	73.6	460	235	1800	895	5600	2783
37	24.3	135	76.0	470	239	1850	919	5700	2833
38	24.9	140	79.0	480	244	1900	944	5800	2883
39	25.4	145	81.0	490	249	1950	969	5900	2932
40	26.0	150	83.5	500	254	2000	994	6000	2982
41	26.5	155	86.0	510	259	2050	1019	6200	3081
42	27.1	160	88.5	520	264	2100	1044	6400	3181
43	27.6	165	91.0	530	269	2150	1069	6600	3280
44	28.2	170	93.4	540	274	2200	1093	6800	3380
45	28.8	175	95.9	550	279	2250	1118	7000	3479
46	29.3	180	98.4	560	284	2300	1140	7200	3578
47	29.9	185	101	570	289	2350	1168	7400	3678
48	30.5	190	103	580	294	2400	1193	7600	3777
49	31.0	195	106	590	299	2450	1218	7800	3877
50	31.5	200	108	600	304	2500	1243	8000	3976
51	32.2	205	111	620	314	2550	1267	8200	4075
52	32.7	210	113	640	324	2600	1292	8400	4175
53	33.1	215	116	660	334	2650	1317	8600	4274
54	33.8	220	118	680	344	2700	1342	8800	4374
55	34.3	225	121	700	354	2750	1367	9000	4473
56	34.9	230	123	720	364	2800	1392	9200	4572
57	35.4	235	125	740	374	2850	1416	9400	4672
58	35.9	240	128	760	384	2900	1441	9600	4771
59	36.6	245	130	780	394	2950	1466	9800	4871
60	37.0	250	133	800	404	3000	1491	10000	4970

DEMAND TABLES

175 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	5.41								
6	6.16								
7	6.90								
8	7.70								
9	8.44								
10	9.18								
11	9.92								
12	10.7	62	43.7	255	155	820	474	3100	1767
13	11.5	64	45.0	260	157	840	486	3200	1824
14	12.2	66	46.2	265	161	860	498	3300	1881
15	12.9	68	47.4	270	164	880	508	3400	1938
16	13.7	70	48.7	275	166	900	519	3500	1995
17	14.4	72	49.9	280	169	920	531	3600	2052
18	15.2	74	51.1	285	172	940	542	3700	2109
19	15.8	76	52.3	290	174	960	554	3800	2166
20	16.6	78	53.5	295	177	980	565	3900	2223
		80	54.7	300	180	1000	576	4000	2280
21	17.3	82	56.0	310	185	1050	604	4100	2337
22	18.1	84	57.0	320	191	1100	632	4200	2394
23	18.7	86	58.1	330	196	1150	659	4300	2451
24	19.3	88	59.3	340	202	1200	688	4400	2508
25	19.9	90	61.0	350	207	1250	715	4500	2565
26	20.5	92	62.1	360	213	1300	743	4600	2622
27	21.2	94	63.3	370	218	1350	771	4700	2679
28	22.2	96	64.4	380	224	1400	798	4800	2736
29	22.5	98	65.6	390	230	1450	827	4900	2793
30	23.2	100	66.7	400	235	1500	855	5000	2850
31	23.9	105	69.5	410	241	1550	884	5100	2907
32	24.6	110	73.0	420	246	1600	912	5200	2964
33	25.3	115	75.8	430	252	1650	941	5300	3021
34	25.9	120	78.7	440	258	1700	969	5400	3078
35	26.6	125	81.5	450	263	1750	996	5500	3135
36	27.2	130	84.4	460	269	1800	1026	5600	3192
37	27.9	135	87.2	470	274	1850	1055	5700	3249
38	28.5	140	90.6	480	280	1900	1083	5800	3306
39	29.2	145	92.9	490	286	1950	1112	5900	3363
40	29.8	150	95.8	500	292	2000	1140	6000	3420
41	30.4	155	98.6	510	298	2050	1169	6200	3534
42	31.1	160	101	520	303	2100	1197	6400	3648
43	31.6	165	104	530	309	2150	1226	6600	3762
44	32.3	170	107	540	314	2200	1254	6800	3876
45	33.0	175	110	550	320	2250	1283	7000	3990
46	33.6	180	113	560	325	2300	1311	7200	4104
47	34.3	185	116	570	332	2350	1340	7400	4218
48	35.0	190	119	580	337	2400	1368	7600	4332
49	35.6	195	121	590	343	2450	1397	7800	4446
50	36.2	200	124	600	349	2500	1425	8000	4560
51	36.9	205	127	620	360	2550	1454	8200	4674
52	37.4	210	130	640	372	2600	1482	8400	4788
53	38.0	215	133	660	383	2650	1511	8600	4902
54	38.8	220	136	680	394	2700	1539	8800	5016
55	39.3	225	139	700	406	2750	1568	9000	5130
56	40.0	230	141	720	418	2800	1596	9200	5244
57	40.6	235	144	740	429	2850	1625	9400	5358
58	41.2	240	146	760	440	2900	1653	9600	5472
59	42.0	245	149	780	452	2950	1682	9800	5586
60	42.5	250	152	800	463	3000	1710	10000	5700

DEMAND TABLES

200 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	6.08								
6	6.92								
7	7.76								
8	8.65								
9	9.49								
10	10.3								
11	11.2	62	49.2	255	174	820	533	3100	1987
12	12.0	64	50.6	260	177	840	547	3200	2051
13	12.9	66	52.0	265	181	860	560	3300	2115
14	13.7	68	53.3	270	184	880	571	3400	2179
15	14.6	70	54.7	275	187	900	584	3500	2243
16	15.4	72	56.2	280	190	920	597	3600	2308
17	16.2	74	57.5	285	193	940	610	3700	2372
18	17.1	76	58.8	290	196	960	623	3800	2436
19	17.8	78	60.2	295	199	980	636	3900	2500
20	18.7	80	61.5	300	202	1000	647	4000	2564
21	19.5	82	63.0	310	208	1050	679	4100	2628
22	20.3	84	64.1	320	215	1100	710	4200	2692
23	21.0	86	65.4	330	221	1150	742	4300	2756
24	21.7	88	66.7	340	227	1200	774	4400	2820
25	22.4	90	68.6	350	236	1250	804	4500	2885
26	23.1	92	69.9	360	239	1300	836	4600	2949
27	23.8	94	71.2	370	246	1350	867	4700	3013
28	24.9	96	72.4	380	252	1400	897	4800	3077
29	25.3	98	73.7	390	258	1450	929	4900	3141
30	26.1	100	75.0	400	264	1500	962	5000	3205
31	26.9	105	78.2	410	271	1550	994	5100	3269
32	27.6	110	82.0	420	277	1600	1026	5200	3333
33	28.4	115	85.3	430	283	1650	1058	5300	3397
34	29.1	120	88.5	440	290	1700	1090	5400	3461
35	29.9	125	91.7	450	296	1750	1122	5500	3526
36	30.6	130	94.9	460	303	1800	1154	5600	3590
37	31.3	135	98.1	470	308	1850	1186	5700	3654
38	32.1	140	102	480	315	1900	1218	5800	3718
39	32.8	145	104	490	321	1950	1250	5900	3782
40	33.5	150	108	500	328	2000	1282	6000	3846
41	34.2	155	111	510	335	2050	1314	6200	3974
42	34.9	160	114	520	341	2100	1346	6400	4102
43	35.6	165	117	530	347	2150	1378	6600	4231
44	36.3	170	121	540	353	2200	1410	6800	4359
45	37.1	175	124	550	360	2250	1442	7000	4487
46	37.8	180	127	560	366	2300	1474	7200	4615
47	38.6	185	130	570	373	2350	1506	7400	4743
48	39.4	190	133	580	379	2400	1538	7600	4872
49	40.0	195	137	590	385	2450	1570	7800	5000
50	40.7	200	140	600	392	2500	1603	8000	5128
51	41.5	205	143	620	404	2550	1635	8200	5256
52	42.1	210	146	640	418	2600	1667	8400	5384
53	42.8	215	149	660	431	2650	1699	8600	5513
54	43.6	220	153	680	444	2700	1731	8800	5641
55	44.2	225	156	700	457	2750	1763	9000	5769
56	45.0	230	158	720	470	2800	1795	9200	5897
57	45.6	235	162	740	483	2850	1827	9400	6025
58	46.3	240	165	760	495	2900	1859	9600	6154
59	47.2	245	168	780	508	2950	1891	9800	6282
60	47.8	250	171	800	520	3000	1923	10000	6410

DEMAND TABLES

225 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	6.76								
6	7.69								
7	8.62								
8	9.61								
9	10.5								
10	11.5								
11	12.4								
12	13.3	62	54.6	255	194	820	592	3100	2207
13	14.3	64	56.2	260	197	840	607	3200	2278
14	15.2	66	57.7	265	201	860	622	3300	2350
15	16.2	68	59.2	270	204	880	634	3400	2421
16	17.1	70	60.8	275	207	900	649	3500	2492
17	18.0	72	62.4	280	211	920	663	3600	2563
18	18.9	74	63.9	285	214	940	677	3700	2634
19	19.8	76	65.4	290	218	960	692	3800	2706
20	20.8	78	66.9	295	221	980	706	3900	2777
		80	68.4	300	224	1000	719	4000	2848
21	21.6	82	70.0	310	231	1050	754	4100	2919
22	22.6	84	71.2	320	239	1100	789	4200	2990
23	23.4	86	72.6	330	245	1150	824	4300	3062
24	24.1	88	74.0	340	252	1200	859	4400	3133
25	24.8	90	76.2	350	259	1250	894	4500	3204
26	25.6	92	77.6	360	266	1300	928	4600	3275
27	26.5	94	79.0	370	273	1350	963	4700	3346
28	27.7	96	80.5	380	280	1400	997	4800	3418
29	28.1	98	81.9	390	287	1450	1032	4900	3489
30	29.0	100	83.3	400	293	1500	1068	5000	3560
31	29.8	105	86.9	410	300	1550	1104	5100	3631
32	30.7	110	91.1	420	308	1600	1139	5200	3702
33	31.5	115	94.7	430	315	1650	1175	5300	3774
34	32.3	120	98.3	440	322	1700	1210	5400	3845
35	33.2	125	102	450	329	1750	1246	5500	3916
36	34.0	130	105	460	336	1800	1282	5600	3987
37	34.8	135	109	470	342	1850	1317	5700	4058
38	35.6	140	113	480	350	1900	1353	5800	4130
39	36.5	145	116	490	357	1950	1388	5900	4201
40	37.2	150	120	500	365	2000	1424	6000	4272
41	38.0	155	123	510	372	2050	1460	6200	4414
42	38.8	160	127	520	379	2100	1495	6400	4557
43	39.5	165	130	530	386	2150	1531	6600	4699
44	40.4	170	134	540	392	2200	1566	6800	4842
45	41.2	175	137	550	399	2250	1602	7000	4984
46	42.0	180	141	560	407	2300	1638	7200	5126
47	42.9	185	145	570	414	2350	1673	7400	5269
48	43.7	190	148	580	422	2400	1709	7600	5411
49	44.4	195	152	590	428	2450	1744	7800	5554
50	45.2	200	155	600	436	2500	1780	8000	5696
51	46.1	205	159	620	449	2550	1816	8200	5838
52	46.8	210	162	640	464	2600	1851	8400	5981
53	47.5	215	166	660	478	2650	1887	8600	6123
54	48.4	220	169	680	493	2700	1922	8800	6266
55	49.1	225	173	700	508	2750	1958	9000	6408
56	50.0	230	176	720	522	2800	1994	9200	6550
57	50.7	235	179	740	536	2850	2029	9400	6693
58	51.5	240	183	760	550	2900	2065	9600	6835
59	52.4	245	187	780	565	2950	2100	9800	6978
60	53.0	250	190	800	578	3000	2136	10000	7120

DEMAND TABLES

250 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	7.44								
6	8.47								
7	9.49								
8	10.6								
9	11.6								
10	12.6								
11	13.6	62	60.1	255	213	820	652	3100	2430
12	14.7	64	61.9	260	216	840	669	3200	2509
13	15.8	66	63.6	265	221	860	684	3300	2587
14	16.8	68	65.2	270	225	880	699	3400	2666
15	17.8	70	67.0	275	228	900	714	3500	2744
16	18.8	72	68.7	280	232	920	730	3600	2822
17	19.8	74	70.3	285	236	940	746	3700	2901
18	20.9	76	72.0	290	240	960	762	3800	2979
19	21.8	78	73.6	295	243	980	778	3900	3058
20	22.9	80	75.3	300	247	1000	792	4000	3136
21	23.8	82	77.1	310	255	1050	830	4100	3214
22	24.9	84	78.4	320	263	1100	869	4200	3293
23	25.7	86	80.0	330	270	1150	907	4300	3371
24	26.6	88	81.5	340	278	1200	946	4400	3450
25	27.4	90	83.9	350	285	1250	984	4500	3528
26	28.2	92	85.5	360	292	1300	1022	4600	3606
27	29.2	94	87.0	370	300	1350	1061	4700	3685
28	30.5	96	88.6	380	308	1400	1098	4800	3763
29	31.0	98	90.2	390	316	1450	1137	4900	3842
30	31.9	100	91.7	400	323	1500	1176	5000	3920
31	32.8	105	95.6	410	331	1550	1215	5100	3998
32	33.8	110	100	420	339	1600	1254	5200	4077
33	34.7	115	104	430	347	1650	1294	5300	4155
34	35.6	120	108	440	354	1700	1333	5400	4234
35	36.5	125	112	450	362	1750	1372	5500	4312
36	37.4	130	116	460	370	1800	1411	5600	4390
37	38.3	135	120	470	377	1850	1450	5700	4469
38	39.2	140	125	480	385	1900	1490	5800	4547
39	40.1	145	128	490	393	1950	1529	5900	4626
40	41.0	150	132	500	401	2000	1568	6000	4704
41	41.9	155	136	510	409	2050	1607	6200	4861
42	42.7	160	140	520	417	2100	1646	6400	5018
43	43.5	165	143	530	425	2150	1686	6600	5174
44	44.5	170	147	540	432	2200	1725	6800	5331
45	45.4	175	151	550	440	2250	1764	7000	5488
46	46.3	180	155	560	448	2300	1803	7200	5645
47	47.2	185	159	570	456	2350	1842	7400	5802
48	48.1	190	163	580	464	2400	1882	7600	5958
49	48.9	195	167	590	471	2450	1921	7800	6115
50	49.8	200	171	600	480	2500	1960	8000	6272
51	50.7	205	175	620	495	2550	1999	8200	6429
52	51.5	210	179	640	511	2600	2038	8400	6586
53	52.3	215	183	660	527	2650	2078	8600	6742
54	53.3	220	187	680	543	2700	2117	8800	6899
55	54.1	225	191	700	559	2750	2156	9000	7056
56	55.0	230	194	720	575	2800	2195	9200	7213
57	55.8	235	198	740	590	2850	2234	9400	7370
58	56.7	240	201	760	605	2900	2274	9600	7526
59	57.7	245	205	780	622	2950	2313	9800	7683
60	58.4	250	209	800	637	3000	2352	10000	7840

DEMAND TABLES

275 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	8.10								
6	9.22								
7	10.3								
8	11.5								
9	12.6								
10	13.7								
11	14.9	62	65.5	255	232	820	711	3100	2647
12	16.0	64	67.4	260	236	840	728	3200	2733
13	17.2	66	69.3	265	241	860	746	3300	2818
14	18.3	68	71.1	270	245	880	761	3400	2904
15	19.4	70	72.9	275	249	900	778	3500	2989
16	20.5	72	74.8	280	253	920	795	3600	3074
17	21.6	74	76.6	285	257	940	812	3700	3160
18	22.7	76	78.4	290	261	960	830	3800	3245
19	23.7	78	80.2	295	265	980	847	3900	3331
20	24.9	80	82.0	300	269	1000	863	4000	3416
21	26.0	82	83.9	310	278	1050	904	4100	3501
22	27.1	84	85.4	320	286	1100	946	4200	3587
23	28.0	86	87.1	330	294	1150	988	4300	3672
24	29.0	88	88.8	340	302	1200	1031	4400	3758
25	29.8	90	91.4	350	311	1250	1072	4500	3843
26	30.7	92	93.1	360	319	1300	1114	4600	3928
27	31.8	94	94.8	370	327	1350	1155	4700	4014
28	33.2	96	96.5	380	336	1400	1196	4800	4099
29	33.7	98	98.2	390	344	1450	1238	4900	4185
30	34.8	100	99.9	400	352	1500	1281	5000	4270
31	35.8	105	104	410	360	1550	1324	5100	4355
32	36.8	110	109	420	369	1600	1366	5200	4441
33	37.8	115	114	430	377	1650	1409	5300	4526
34	38.8	120	118	440	386	1700	1452	5400	4612
35	39.8	125	122	450	395	1750	1495	5500	4697
36	40.7	130	126	460	403	1800	1537	5600	4782
37	41.8	135	131	470	411	1850	1580	5700	4868
38	42.7	140	136	480	419	1900	1623	5800	4953
39	43.7	145	139	490	428	1950	1665	5900	5039
40	44.7	150	143	500	437	2000	1708	6000	5124
41	45.6	155	148	510	446	2050	1751	6200	5295
42	46.5	160	152	520	454	2100	1793	6400	5466
43	47.4	165	156	530	463	2150	1836	6600	5636
44	48.4	170	161	540	471	2200	1879	6800	5807
45	49.4	175	165	550	479	2250	1922	7000	5978
46	50.4	180	169	560	488	2300	1964	7200	6149
47	51.4	185	174	570	497	2350	2007	7400	6320
48	52.4	190	178	580	506	2400	2050	7600	6490
49	53.3	195	182	590	513	2450	2092	7800	6661
50	54.2	200	186	600	523	2500	2135	8000	6832
51	55.3	205	190	620	539	2550	2178	8200	7003
52	56.1	210	195	640	557	2600	2220	8400	7174
53	57.0	215	199	660	574	2650	2263	8600	7344
54	58.1	220	203	680	591	2700	2306	8800	7515
55	58.9	225	208	700	609	2750	2349	9000	7686
56	60.0	230	211	720	626	2800	2391	9200	7857
57	60.8	235	215	740	643	2850	2434	9400	8028
58	61.7	240	219	760	659	2900	2477	9600	8198
59	62.9	245	224	780	677	2950	2519	9800	8369
60	63.6	250	228	800	693	3000	2562	10000	8540

DEMAND TABLES

300 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	8.76								
6	9.97								
7	11.1								
8	12.5								
9	13.7								
10	14.9								
11	16.1	62	70.8	255	251	820	768	3100	2861
12	17.3	64	72.8	260	255	840	787	3200	2954
13	18.6	66	74.9	265	260	860	806	3300	3046
14	19.8	68	76.8	270	265	880	822	3400	3138
15	21.0	70	78.8	275	269	900	841	3500	3231
16	22.2	72	80.9	280	273	920	859	3600	3323
17	23.4	74	82.8	285	278	940	878	3700	3415
18	24.6	76	84.7	290	282	960	897	3800	3507
19	25.7	78	86.7	295	286	980	916	3900	3600
20	27.0	80	88.6	300	291	1000	932	4000	3692
21	28.1	82	90.7	310	300	1050	977	4100	3784
22	29.3	84	92.3	320	309	1100	1023	4200	3877
23	30.3	86	94.1	330	318	1150	1068	4300	3969
24	31.3	88	96.0	340	327	1200	1114	4400	4061
25	32.2	90	98.8	350	336	1250	1158	4500	4154
26	33.2	92	101	360	344	1300	1204	4600	4246
27	34.3	94	102	370	354	1350	1249	4700	4338
28	35.9	96	104	380	363	1400	1292	4800	4430
29	36.5	98	106	390	372	1450	1338	4900	4523
30	37.6	100	108	400	380	1500	1385	5000	4615
31	38.7	105	113	410	390	1550	1431	5100	4707
32	39.8	110	118	420	399	1600	1477	5200	4800
33	40.9	115	123	430	408	1650	1523	5300	4892
34	41.9	120	127	440	417	1700	1569	5400	4984
35	43.0	125	132	450	426	1750	1615	5500	5077
36	44.0	130	137	460	436	1800	1661	5600	5169
37	45.1	135	141	470	444	1850	1708	5700	5261
38	46.2	140	147	480	453	1900	1754	5800	5353
39	47.3	145	150	490	462	1950	1800	5900	5446
40	48.3	150	155	500	473	2000	1846	6000	5538
41	49.3	155	160	510	482	2050	1892	6200	5723
42	50.3	160	164	520	491	2100	1938	6400	5907
43	51.2	165	169	530	500	2150	1984	6600	6092
44	52.3	170	174	540	509	2200	2031	6800	6276
45	53.4	175	178	550	518	2250	2077	7000	6461
46	54.5	180	183	560	527	2300	2123	7200	6646
47	55.6	185	187	570	537	2350	2169	7400	6830
48	56.7	190	192	580	546	2400	2215	7600	7015
49	57.6	195	197	590	555	2450	2261	7800	7199
50	58.6	200	201	600	565	2500	2308	8000	7384
51	59.7	205	206	620	582	2550	2354	8200	7569
52	60.6	210	210	640	602	2600	2400	8400	7753
53	61.6	215	215	660	620	2650	2446	8600	7938
54	62.8	220	220	680	639	2700	2492	8800	8122
55	63.7	225	224	700	658	2750	2538	9000	8307
56	64.8	230	228	720	677	2800	2584	9200	8492
57	65.7	235	233	740	695	2850	2631	9400	8676
58	66.7	240	237	760	713	2900	2677	9600	8861
59	67.9	245	242	780	732	2950	2723	9800	9045
60	68.8	250	246	800	749	3000	2769	10000	9230

DEMAND TABLES

325 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	9.38								
6	10.7								
7	12.1								
8	13.3								
9	14.6								
10	16.0								
11	17.2	62	75.8	255	269	820	822	3100	3063
12	18.5	64	78.1	260	273	840	843	3200	3126
13	19.9	66	80.1	265	279	860	863	3300	3260
14	21.1	68	82.2	270	284	880	880	3400	3359
15	22.4	70	84.4	275	288	900	900	3500	3458
16	23.7	72	86.5	280	292	920	920	3600	3557
17	25.1	74	88.6	285	297	940	940	3700	3656
18	26.2	76	90.7	290	302	960	960	3800	3754
19	27.4	78	92.8	295	306	980	980	3900	3853
20	28.8	80	94.8	300	311	1000	997	4000	3952
21	30.0	82	97.1	310	321	1050	1046	4100	4051
22	31.3	84	98.8	320	331	1100	1095	4200	4150
23	32.4	86	100	330	340	1150	1143	4300	4248
24	33.4	88	103	340	350	1200	1193	4400	4347
25	34.4	90	106	350	360	1250	1240	4500	4446
26	36.0	92	108	360	369	1300	1288	4600	4545
27	37.0	94	110	370	378	1350	1337	4700	4644
28	38.4	96	112	380	388	1400	1383	4800	4742
29	39.0	98	114	390	398	1450	1433	4900	4841
30	40.2	100	116	400	407	1500	1482	5000	4940
31	41.4	105	121	410	417	1550	1531	5100	5039
32	42.6	110	126	420	427	1600	1581	5200	5138
33	43.8	115	131	430	437	1650	1630	5300	5236
34	44.9	120	136	440	447	1700	1680	5400	5335
35	46.0	125	141	450	456	1750	1729	5500	5434
36	47.1	130	146	460	466	1800	1778	5600	5533
37	48.3	135	151	470	475	1850	1828	5700	5632
38	49.4	140	157	480	485	1900	1877	5800	5730
39	50.6	145	161	490	495	1950	1927	5900	5829
40	51.7	150	166	500	506	2000	1976	6000	5928
41	52.8	155	171	510	516	2050	2025	6200	6126
42	53.8	160	176	520	526	2100	2075	6400	6323
43	54.8	165	181	530	535	2150	2124	6600	6521
44	56.0	170	186	540	544	2200	2174	6800	6718
45	57.2	175	191	550	554	2250	2223	7000	6916
46	58.3	180	196	560	564	2300	2272	7200	7114
47	59.5	185	201	570	575	2350	2322	7400	7311
48	60.7	190	206	580	585	2400	2371	7600	7509
49	61.7	195	210	590	594	2450	2421	7800	7706
50	62.7	200	215	600	605	2500	2470	8000	7904
51	63.9	205	220	620	623	2550	2519	8200	8102
52	64.9	210	225	640	644	2600	2569	8400	8299
53	65.9	215	230	660	664	2650	2618	8600	8497
54	67.2	220	235	680	684	2700	2668	8800	8694
55	68.2	225	240	700	704	2750	2717	9000	8892
56	69.4	230	244	720	724	2800	2766	9200	9090
57	70.3	235	249	740	744	2850	2816	9400	9287
58	71.4	240	254	760	763	2900	2865	9600	9485
59	72.7	245	259	780	783	2950	2915	9800	9682
60	73.6	250	264	800	802	3000	2964	10000	9880

DEMAND TABLES

350 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	9.96								
6	11.3								
7	12.7								
8	14.2								
9	15.5								
10	16.9								
11	18.3	62	80.5	255	286	820	874	3100	3255
12	19.6	64	82.8	260	290	840	896	3200	3360
13	21.1	66	85.2	265	296	860	917	3300	3465
14	22.5	68	87.4	270	301	880	936	3400	3570
15	23.8	70	89.7	275	306	900	957	3500	3675
16	25.2	72	92.1	280	311	920	978	3600	3780
17	26.6	74	94.2	285	316	940	999	3700	3885
18	27.9	76	96.4	290	321	960	1020	3800	3990
19	29.2	78	98.6	295	326	980	1042	3900	4095
20	30.7	80	101	300	331	1000	1061	4000	4200
21	32.0	82	103	310	341	1050	1112	4100	4305
22	33.3	84	105	320	352	1100	1163	4200	4410
23	34.4	86	107	330	361	1150	1215	4300	4515
24	35.6	88	109	340	372	1200	1267	4400	4620
25	36.7	90	112	350	382	1250	1318	4500	4725
26	37.8	92	114	360	392	1300	1369	4600	4830
27	39.1	94	117	370	402	1350	1421	4700	4935
28	40.8	96	119	380	413	1400	1470	4800	5040
29	41.5	98	121	390	423	1450	1523	4900	5145
30	42.7	100	123	400	433	1500	1575	5000	5250
31	44.1	105	128	410	443	1550	1628	5100	5355
32	45.3	110	134	420	454	1600	1680	5200	5460
33	46.5	115	140	430	464	1650	1733	5300	5565
34	47.7	120	145	440	475	1700	1785	5400	5670
35	48.9	125	150	450	485	1750	1838	5500	5775
36	50.0	130	155	460	496	1800	1890	5600	5880
37	51.3	135	161	470	505	1850	1943	5700	5985
38	52.5	140	167	480	516	1900	1995	5800	6090
39	53.8	145	171	490	526	1950	2048	5900	6195
40	54.9	150	176	500	538	2000	2100	6000	6300
41	56.1	155	182	510	548	2050	2153	6200	6510
42	57.2	160	187	520	559	2100	2205	6400	6720
43	58.3	165	192	530	569	2150	2258	6600	6930
44	59.5	170	197	540	578	2200	2310	6800	7140
45	60.8	175	203	550	589	2250	2363	7000	7350
46	62.1	180	208	560	600	2300	2415	7200	7560
47	63.2	185	213	570	611	2350	2468	7400	7770
48	64.5	190	218	580	622	2400	2520	7600	7980
49	65.5	195	224	590	631	2450	2573	7800	8190
50	66.7	200	229	600	643	2500	2625	8000	8400
51	67.9	205	234	620	663	2550	2678	8200	8610
52	69.1	210	239	640	685	2600	2730	8400	8820
53	70.0	215	245	660	706	2650	2783	8600	9030
54	71.4	220	250	680	727	2700	2835	8800	9240
55	72.5	225	255	700	749	2750	2888	9000	9450
56	73.7	230	259	720	770	2800	2940	9200	9660
57	74.8	235	265	740	791	2850	2993	9400	9870
58	75.9	240	270	760	811	2900	3045	9600	10080
59	77.3	245	275	780	833	2950	3098	9800	10290
60	78.2	250	280	800	853	3000	3150	10000	10500

DEMAND TABLES

375 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	10.6								
6	12.1								
7	13.5								
8	15.1								
9	16.6								
10	18.0								
11	19.5	62	85.9	255	305	820	932	3100	3472
12	20.9	64	88.4	260	309	840	955	3200	3584
13	22.5	66	90.8	265	316	860	978	3300	3696
14	24.1	68	93.2	270	321	880	998	3400	3808
15	25.4	70	95.6	275	326	900	1020	3500	3920
16	26.8	72	98.1	280	332	920	1043	3600	4032
17	28.3	74	100	285	337	940	1065	3700	4144
18	29.8	76	103	290	343	960	1089	3800	4256
19	31.1	78	105	295	347	980	1111	3900	4368
20	32.7	80	108	300	353	1000	1131	4000	4480
21	34.0	82	110	310	364	1050	1186	4100	4592
22	35.5	84	112	320	375	1100	1241	4200	4704
23	36.7	86	114	330	385	1150	1296	4300	4816
24	38.1	88	116	340	396	1200	1352	4400	4928
25	39.0	90	120	350	408	1250	1406	4500	5040
26	40.3	92	122	360	418	1300	1460	4600	5152
27	41.7	94	124	370	429	1350	1515	4700	5264
28	43.6	96	127	380	440	1400	1568	4800	5376
29	44.2	98	129	390	451	1450	1624	4900	5488
30	35.6	100	131	400	461	1500	1680	5000	5600
31	46.9	105	137	410	473	1550	1736	5100	5712
32	48.3	110	143	420	484	1600	1792	5200	5824
33	49.6	115	149	430	495	1650	1848	5300	5936
34	50.8	120	155	440	506	1700	1904	5400	6048
35	52.1	125	160	450	517	1750	1960	5500	6160
36	53.4	130	166	460	529	1800	2016	5600	6272
37	54.8	135	171	470	539	1850	2072	5700	6384
38	56.0	140	178	480	550	1900	2128	5800	6496
39	57.3	145	183	490	561	1950	2184	5900	6608
40	58.6	150	188	500	573	2000	2240	6000	6720
41	59.8	155	194	510	585	2050	2296	6200	6944
42	61.0	160	199	520	596	2100	2352	6400	7168
43	62.2	165	205	530	607	2150	2408	6600	7392
44	63.5	170	211	540	617	2200	2464	6800	7616
45	64.8	175	216	550	628	2250	2520	7000	7840
46	66.1	180	222	560	640	2300	2576	7200	8064
47	67.4	185	227	570	652	2350	2632	7400	8288
48	68.8	190	233	580	663	2400	2688	7600	8512
49	69.9	195	239	590	673	2450	2744	7800	8736
50	71.1	200	244	600	685	2500	2800	8000	8960
51	72.5	205	250	620	707	2550	2856	8200	9184
52	73.6	210	255	640	730	2600	2912	8400	9408
53	74.7	215	261	660	753	2650	2968	8600	9632
54	76.2	220	267	680	775	2700	3024	8800	9856
55	77.2	225	272	700	799	2750	3080	9000	10080
56	78.6	230	277	720	821	2800	3136	9200	10304
57	79.7	235	282	740	843	2850	3192	9400	10528
58	81.1	240	288	760	865	2900	3248	9600	10752
59	82.4	245	293	780	888	2950	3304	9800	10976
60	83.4	250	299	800	909	3000	3360	10000	11200

DEMAND TABLES

400 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	11.3								
6	12.9								
7	14.4								
8	16.1								
9	17.6								
10	19.2								
11	20.7	62	91.3	255	324	820	990	3100	3689
12	22.3	64	93.9	260	328	840	1015	3200	3808
13	23.9	66	96.5	265	336	860	1039	3300	3927
14	25.5	68	99.0	270	342	880	1060	3400	4046
15	27.0	70	102	275	346	900	1084	3500	4165
16	28.6	72	104	280	352	920	1108	3600	4284
17	30.1	74	107	285	358	940	1132	3700	4403
18	31.7	76	109	290	364	960	1157	3800	4522
19	33.1	78	112	295	369	980	1180	3900	4641
20	34.7	80	114	300	375	1000	1202	4000	4760
21	36.2	82	117	310	387	1050	1260	4100	4879
22	37.7	84	119	320	399	1100	1319	4200	4998
23	39.0	86	121	330	409	1150	1377	4300	5117
24	40.3	88	124	340	421	1200	1436	4400	5236
25	41.5	90	127	350	433	1250	1493	4500	5355
26	42.8	92	130	360	444	1300	1552	4600	5474
27	44.3	94	132	370	456	1350	1610	4700	5593
28	46.3	96	134	380	468	1400	1666	4800	5712
29	47.0	98	137	390	480	1450	1726	4900	5831
30	48.4	100	139	400	490	1500	1785	5000	5950
31	49.9	105	145	410	502	1550	1845	5100	6069
32	51.3	110	152	420	514	1600	1904	5200	6188
33	52.7	115	158	430	526	1650	1964	5300	6307
34	54.0	120	164	440	538	1700	2023	5400	6426
35	55.5	125	170	450	550	1750	2083	5500	6545
36	56.8	130	176	460	562	1800	2142	5600	6664
37	58.2	135	182	470	572	1850	2202	5700	6783
38	59.5	140	189	480	584	1900	2261	5800	6902
39	60.9	145	194	490	596	1950	2321	5900	7021
40	62.2	150	200	500	609	2000	2380	6000	7140
41	63.5	155	206	510	621	2050	2440	6200	7378
42	64.9	160	212	520	633	2100	2499	6400	7616
43	66.0	165	218	530	645	2150	2559	6600	7854
44	67.5	170	224	540	656	2200	2618	6800	8092
45	68.9	175	230	550	668	2250	2678	7000	8330
46	70.2	180	236	560	679	2300	2737	7200	8568
47	71.6	185	242	570	693	2350	2797	7400	8806
48	73.1	190	248	580	704	2400	2856	7600	9044
49	74.3	195	253	590	715	2450	2916	7800	9282
50	75.6	200	259	600	728	2500	2975	8000	9520
51	77.0	205	265	620	751	2550	3035	8200	9758
52	78.2	210	271	640	776	2600	3094	8400	9996
53	79.4	215	277	660	800	2650	3154	8600	10234
54	80.9	220	283	680	823	2700	3213	8800	10472
55	82.1	225	289	700	848	2750	3273	9000	10710
56	83.5	230	294	720	872	2800	3332	9200	10948
57	84.7	235	300	740	896	2850	3392	9400	11186
58	86.0	240	306	760	919	2900	3451	9600	11424
59	87.6	245	312	780	944	2950	3511	9800	11662
60	88.7	250	318	800	966	3000	3570	10000	11900

DEMAND TABLES
 425 KWH/MO/CONSUMER
 FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	11.9								
6	13.5								
7	15.1								
8	16.9								
9	18.5								
10	20.1								
11	21.8								
12	23.4	62	95.9	255	340	820	1040		
13	25.1	64	98.6	260	345	840	1066	3100	3875
14	26.8	66	101	265	353	860	1091	3200	4000
15	28.4	68	104	270	359	880	1114	3300	4125
16	30.0	70	107	275	364	900	1139	3400	4250
17	31.6	72	110	280	370	920	1164	3500	4375
18	33.3	74	112	285	376	940	1189	3600	4500
19	34.8	76	115	290	383	960	1215	3700	4625
20	36.5	78	117	295	388	980	1240	3800	4750
		80	120	300	394	1000	1263	3900	4875
								4000	5000
21	38.0	82	123	310	406				
22	39.6	84	125	320	419	1050	1324	4100	5125
23	41.0	86	128	330	430	1100	1385	4200	5250
24	42.4	88	130	340	443	1150	1446	4300	5375
25	43.6	90	134	350	455	1200	1509	4400	5500
26	45.0	92	136	360	466	1250	1569	4500	5625
27	46.5	94	139	370	479	1300	1630	4600	5750
28	48.6	96	141	380	491	1350	1691	4700	5875
29	49.4	98	144	390	504	1400	1750	4800	6000
30	50.9	100	146	400	515	1450	1813	4900	6125
						1500	1875	5000	6250
31	52.4	105	153	410	528				
32	53.9	110	160	420	540	1550	1938	5100	6375
33	55.4	115	166	430	553	1600	2000	5200	6500
34	56.8	120	173	440	565	1650	2063	5300	6625
35	58.3	125	179	450	578	1700	2125	5400	6750
36	59.6	130	185	460	590	1750	2188	5500	6875
37	61.1	135	191	470	601	1800	2250	5600	7000
38	62.5	140	199	480	614	1850	2313	5700	7125
39	64.0	145	204	490	626	1900	2375	5800	7250
40	65.4	150	210	500	640	1950	2438	5900	7375
						2000	2500	6000	7500
41	66.8	155	216	510	653				
42	68.1	160	223	520	665	2050	2563	6200	7750
43	69.4	165	229	530	678	2100	2625	6400	8000
44	70.9	170	235	540	689	2150	2688	6600	8250
45	72.4	175	241	550	701	2200	2750	6800	8500
46	73.8	180	248	560	714	2250	2813	7000	8750
47	75.3	185	254	570	728	2300	2875	7200	9000
48	76.8	190	260	580	740	2350	2938	7400	9250
49	78.0	195	266	590	751	2400	3000	7600	9500
50	79.4	200	273	600	765	2450	3063	7800	9750
						2500	3125	8000	10000
51	80.9	205	279	620	789				
52	82.1	210	285	640	815	2550	3188	8200	10250
53	83.4	215	291	660	840	2600	3250	8400	10500
54	85.0	220	298	680	865	2650	3313	8600	10750
55	86.3	225	304	700	891	2700	3375	8800	11000
56	87.8	230	309	720	916	2750	3438	9000	11250
57	89.0	235	315	740	941	2800	3500	9200	11500
58	90.4	240	321	760	965	2850	3563	9400	11750
59	92.0	245	328	780	991	2900	3625	9600	12000
60	93.1	250	334	800	1015	2950	3688	9800	12250
						3000	3750	10000	12500

DEMAND TABLES

450 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	12.5								
6	14.3								
7	16.1								
8	17.8								
9	19.5								
10	21.3								
11	22.1	62	101	255	359	820	1098	3100	4092
12	24.7	64	104	260	364	840	1126	3200	4224
13	26.5	66	107	265	372	860	1152	3300	4356
14	28.2	68	110	270	379	880	1176	3400	4488
15	30.1	70	113	275	384	900	1203	3500	4620
16	31.7	72	116	280	391	920	1229	3600	4752
17	33.4	74	118	285	397	940	1255	3700	4884
18	35.1	76	121	290	404	960	1283	3800	5016
19	36.7	78	124	295	409	980	1309	3900	5148
20	38.5	80	127	300	416	1000	1333	4000	5280
21	40.1	82	130	310	429	1050	1398	4100	5412
22	41.8	84	132	320	442	1100	1463	4200	5544
23	43.3	86	135	330	454	1150	1527	4300	5676
24	44.7	88	137	340	467	1200	1593	4400	5808
25	46.1	90	141	350	480	1250	1657	4500	5940
26	47.5	92	144	360	492	1300	1721	4600	6072
27	49.1	94	147	370	506	1350	1786	4700	6204
28	51.3	96	149	380	519	1400	1848	4800	6336
29	52.1	98	152	390	532	1450	1914	4900	6468
30	53.7	100	154	400	544	1500	1980	5000	6600
31	55.3	105	161	410	557	1550	2046	5100	6732
32	56.9	110	169	420	570	1600	2112	5200	6864
33	58.5	115	176	430	583	1650	2178	5300	6996
34	60.0	120	182	440	597	1700	2244	5400	7128
35	61.5	125	189	450	610	1750	2310	5500	7260
36	63.1	130	195	460	623	1800	2376	5600	7392
37	64.5	135	202	470	635	1850	2442	5700	7524
38	66.0	140	210	480	648	1900	2508	5800	7656
39	67.6	145	215	490	661	1950	2574	5900	7788
40	69.0	150	222	500	676	2000	2640	6000	7920
41	70.5	155	228	510	689	2050	2706	6200	8184
42	72.0	160	235	520	702	2100	2772	6400	8448
43	73.3	165	242	530	715	2150	2838	6600	8712
44	74.8	170	248	540	727	2200	2904	6800	8976
45	76.4	175	255	550	741	2250	2970	7000	9240
46	77.8	180	261	560	754	2300	3036	7200	9504
47	79.5	185	268	570	768	2350	3102	7400	9768
48	81.0	190	275	580	781	2400	3168	7600	10032
49	82.3	195	281	590	793	2450	3234	7800	10296
50	83.8	200	288	600	808	2500	3300	8000	10560
51	85.4	205	294	620	833	2550	3366	8200	10824
52	86.7	210	301	640	861	2600	3432	8400	11088
53	88.0	215	308	660	887	2650	3498	8600	11352
54	89.7	220	314	680	913	2700	3564	8800	11616
55	91.1	225	321	700	941	2750	3630	9000	11880
56	92.6	230	326	720	968	2800	3696	9200	12144
57	94.1	235	333	740	994	2850	3762	9400	12408
58	95.4	240	339	760	1019	2900	3828	9600	12672
59	97.2	245	346	780	1047	2950	3894	9800	12936
60	98.3	250	352	800	1072	3000	3960	10000	13200

DEMAND TABLES
 475 KWH/MO/CONSUMER
 FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	13.1								
6	14.9								
7	16.7								
8	18.6								
9	20.4								
10	22.2								
11	24.0								
12	25.8	62	106	255	375	820	1148	3100	4278
13	27.7	64	109	260	381	840	1177	3200	4416
14	29.5	66	112	265	389	860	1205	3300	4554
15	31.3	68	115	270	396	880	1230	3400	4692
16	33.1	70	118	275	402	900	1257	3500	4830
17	34.9	72	121	280	408	920	1285	3600	4968
18	36.7	74	124	285	415	940	1312	3700	5106
19	38.3	76	127	290	422	960	1341	3800	5244
20	40.2	78	130	295	428	980	1369	3900	5382
		80	132	300	435	1000	1394	4000	5520
21	41.9	82	136						
22	43.7	84	138	310	449	1050	1461	4100	5658
23	45.2	86	141	320	462	1100	1529	4200	5796
24	46.7	88	144	330	475	1150	1597	4300	5934
25	48.1	90	148	340	489	1200	1666	4400	6072
26	49.6	92	150	350	502	1250	1732	4500	6210
27	51.3	94	153	360	515	1300	1800	4600	6348
28	53.6	96	156	370	529	1350	1867	4700	6486
29	54.5	98	159	380	542	1400	1932	4800	6624
30	56.1	100	161	390	556	1450	2001	4900	6762
				400	569	1500	2070	5000	6900
31	57.8	105	168	410	582				
32	59.4	110	177	420	596	1550	2139	5100	7038
33	61.1	115	184	430	610	1600	2208	5200	7176
34	62.6	120	190	440	624	1650	2277	5300	7314
35	64.3	125	197	450	638	1700	2346	5400	7452
36	65.8	130	204	460	651	1750	2415	5500	7590
37	67.4	135	211	470	664	1800	2484	5600	7728
38	69.0	140	219	480	678	1850	2553	5700	7866
39	70.6	145	225	490	691	1900	2622	5800	8004
40	72.1	150	232	500	707	1950	2691	5900	8142
						2000	2760	6000	8280
41	73.6	155	239	510	720				
42	75.2	160	246	520	734	2050	2829	6200	8556
43	76.5	165	253	530	748	2100	2898	6400	8832
44	78.2	170	259	540	760	2150	2967	6600	9108
45	79.9	175	266	550	774	2200	3036	6800	9384
46	81.4	180	273	560	788	2250	3105	7000	9660
47	83.0	185	280	570	803	2300	3174	7200	9936
48	84.7	190	287	580	817	2350	3243	7400	10212
49	86.1	195	294	590	829	2400	3312	7600	10488
50	87.6	200	301	600	845	2450	3381	7800	10764
						2500	3450	8000	11040
51	89.2	205	308	620	871				
52	90.6	210	315	640	900	2550	3519	8200	11316
53	92.0	215	322	660	927	2600	3588	8400	11592
54	93.8	220	328	680	955	2650	3657	8600	11868
55	95.2	225	335	700	984	2700	3726	8800	12144
56	96.8	230	341	720	1012	2750	3795	9000	12420
57	98.2	235	348	740	1039	2800	3864	9200	12696
58	99.7	240	355	760	1065	2850	3933	9400	12972
59	102	245	362	780	1094	2900	4002	9600	13248
60	103	250	368	800	1121	2950	4071	9800	13524
						3000	4140	10000	13800

DEMAND TABLES
 500 KWH/MO/CONSUMER
 FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	13.8								
6	15.7								
7	17.5								
8	19.6								
9	21.5								
10	23.3								
11	25.2	62	111	255	394	820	1206	3100	4495
12	27.1	64	114	260	400	840	1237	3200	4640
13	29.2	66	118	265	409	860	1266	3300	4785
14	31.0	68	121	270	416	880	1292	3400	4930
15	32.9	70	124	275	422	900	1321	3500	5075
16	34.8	72	127	280	429	920	1350	3600	5220
17	36.7	74	130	285	436	940	1379	3700	5365
18	38.6	76	133	290	444	960	1409	3800	5510
19	40.3	78	136	295	450	980	1438	3900	5655
20	42.3	80	139	300	457	1000	1465	4000	5800
21	44.1	82	143	310	471	1050	1536	4100	5945
22	46.0	84	145	320	486	1100	1607	4200	6090
23	47.6	86	148	330	499	1150	1678	4300	6235
24	49.2	88	151	340	513	1200	1750	4400	6380
25	50.6	90	155	350	528	1250	1820	4500	6525
26	52.2	92	158	360	541	1300	1891	4600	6670
27	53.9	94	161	370	555	1350	1962	4700	6815
28	56.4	96	164	380	570	1400	2030	4800	6960
29	57.3	98	167	390	584	1450	2103	4900	7105
30	59.0	100	170	400	597	1500	2175	5000	7250
31	60.8	105	177	410	612	1550	2248	5100	7395
32	62.5	110	186	420	626	1600	2320	5200	7540
33	64.2	115	193	430	641	1650	2393	5300	7685
34	65.8	120	200	440	655	1700	2465	5400	7830
35	67.6	125	207	450	670	1750	2538	5500	7975
36	69.2	130	215	460	684	1800	2610	5600	8120
37	70.9	135	222	470	697	1850	2683	5700	8265
38	72.5	140	231	480	712	1900	2755	5800	8410
39	74.2	145	236	490	726	1950	2828	5900	8555
40	75.8	150	244	500	742	2000	2900	6000	8700
41	77.4	155	251	510	760	2050	2973	6200	8990
42	79.0	160	258	520	771	2100	3045	6400	9280
43	80.5	165	265	530	786	2150	3118	6600	9570
44	82.2	170	273	540	799	2200	3190	6800	9860
45	84.0	175	280	550	813	2250	3263	7000	10150
46	85.6	180	287	560	828	2300	3335	7200	10440
47	87.3	185	294	570	844	2350	3408	7400	10730
48	89.0	190	302	580	858	2400	3480	7600	11020
49	90.5	195	309	590	871	2450	3553	7800	11310
50	92.1	200	316	600	887	2500	3625	8000	11600
51	93.8	205	323	620	915	2550	3698	8200	11890
52	95.3	210	331	640	945	2600	3770	8400	12180
53	96.7	215	338	660	974	2650	3843	8600	12470
54	98.6	220	345	680	1003	2700	3915	8800	12760
55	100	225	352	700	1034	2750	3988	9000	13050
56	102	230	358	720	1063	2800	4060	9200	13340
57	103	235	365	740	1092	2850	4133	9400	13630
58	105	240	373	760	1119	2900	4205	9600	13920
59	107	245	380	780	1150	2950	4278	9800	14210
60	108	250	387	800	1177	3000	4350	10000	14500

DEMAND TABLES

550 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	15.0								
6	17.1								
7	19.1								
8	21.3								
9	23.3								
10	25.4								
11	27.5	62	121	255	430	820	1315	3100	4898
12	29.5	64	125	260	436	840	1348	3200	5056
13	31.8	66	128	265	446	860	1379	3300	5214
14	33.8	68	131	270	453	880	1408	3400	5372
15	35.9	70	135	275	460	900	1439	3500	5530
16	37.9	72	138	280	468	920	1471	3600	5688
17	40.1	74	142	285	476	940	1503	3700	5846
18	42.0	76	145	290	483	960	1536	3800	6004
19	43.9	78	148	295	490	980	1567	3900	6162
20	46.1	80	152	300	498	1000	1596	4000	6320
21	48.0	82	155	310	514	1050	1673	4100	6478
22	50.1	84	158	320	529	1100	1751	4200	6636
23	51.8	86	161	330	544	1150	1828	4300	6794
24	53.6	88	164	340	559	1200	1907	4400	6952
25	55.1	90	169	350	575	1250	1983	4500	7110
26	56.9	92	172	360	589	1300	2060	4600	7268
27	58.8	94	175	370	605	1350	2138	4700	7426
28	61.5	96	179	380	621	1400	2212	4800	7584
29	62.4	98	182	390	637	1450	2291	4900	7742
30	64.3	100	185	400	651	1500	2370	5000	7900
31	66.2	105	193	410	667	1550	2449	5100	8058
32	68.1	110	202	420	683	1600	2528	5200	8216
33	70.1	115	210	430	698	1650	2607	5300	8374
34	71.7	120	218	440	714	1700	2686	5400	8532
35	73.6	125	226	450	730	1750	2765	5500	8690
36	75.4	130	234	460	746	1800	2844	5600	8848
37	77.3	135	242	470	760	1850	2923	5700	9006
38	79.0	140	251	480	776	1900	3002	5800	9164
39	80.9	145	258	490	792	1950	3081	5900	9322
40	82.6	150	265	500	809	2000	3160	6000	9480
41	84.4	155	273	510	825	2050	3239	6200	9796
42	86.1	160	281	520	841	2100	3318	6400	10112
43	87.7	165	289	530	856	2150	3397	6600	10428
44	89.6	170	297	540	871	2200	3476	6800	10744
45	91.5	175	305	550	886	2250	3555	7000	11060
46	93.2	180	313	560	902	2300	3634	7200	11376
47	95.1	185	321	570	920	2350	3713	7400	11692
48	97.0	190	329	580	935	2400	3792	7600	12008
49	98.6	195	337	590	950	2450	3871	7800	12324
50	100	200	344	600	967	2500	3950	8000	12640
51	102	205	352	620	997	2550	4029	8200	12956
52	104	210	360	640	1030	2600	4108	8400	13272
53	105	215	368	660	1062	2650	4187	8600	13588
54	107	220	376	680	1093	2700	4266	8800	13904
55	109	225	384	700	1127	2750	4345	9000	14220
56	111	230	390	720	1158	2800	4424	9200	14536
57	112	235	398	740	1190	2850	4503	9400	14852
58	114	240	406	760	1220	2900	4582	9600	15168
59	116	245	414	780	1253	2950	4661	9800	15484
60	118	250	422	800	1283	3000	4740	10000	15800

DEMAND TABLES
 600 KWH/MO/CONSUMER
 FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	16.1								
6	18.4								
7	20.6								
8	23.1								
9	25.2								
10	27.3								
11	29.6	62	130	255	462	820	1414	3100	5270
12	31.8	64	134	260	469	840	1450	3200	5440
13	34.2	66	138	265	479	860	1484	3300	5610
14	36.4	68	141	270	488	880	1515	3400	5780
15	38.6	70	145	275	495	900	1549	3500	5950
16	40.8	72	149	280	503	920	1583	3600	6120
17	43.0	74	152	285	512	940	1617	3700	6290
18	45.2	76	156	290	520	960	1652	3800	6460
19	47.3	78	160	295	527	980	1686	3900	6630
20	49.6	80	163	300	536	1000	1717	4000	6800
21	51.7	82	167	310	553	1050	1800	4100	6970
22	53.9	84	170	320	570	1100	1884	4200	7140
23	55.8	86	173	330	585	1150	1967	4300	7310
24	57.6	88	177	340	602	1200	2052	4400	7480
25	59.3	90	182	350	619	1250	2134	4500	7650
26	61.2	92	185	360	634	1300	2217	4600	7820
27	63.2	94	189	370	651	1350	2300	4700	7990
28	66.1	96	192	380	668	1400	2380	4800	8160
29	67.2	98	196	390	685	1450	2465	4900	8330
30	69.2	100	199	400	700	1500	2550	5000	8500
31	71.2	105	207	410	717	1550	2635	5100	8670
32	73.3	110	218	420	734	1600	2720	5200	8840
33	75.3	115	226	430	751	1650	2805	5300	9010
34	77.2	120	235	440	768	1700	2890	5400	9180
35	79.2	125	243	450	785	1750	2975	5500	9350
36	81.1	130	252	460	802	1800	3060	5600	9520
37	83.1	135	260	470	818	1850	3145	5700	9690
38	85.0	140	270	480	835	1900	3230	5800	9860
39	87.0	145	277	490	852	1950	3315	5900	10030
40	88.9	150	286	500	870	2000	3400	6000	10200
41	90.8	155	294	510	887	2050	3485	6200	10540
42	92.7	160	303	520	904	2100	3570	6400	10880
43	94.4	165	311	530	921	2150	3655	6600	11220
44	96.4	170	320	540	937	2200	3740	6800	11560
45	98.4	175	328	550	954	2250	3825	7000	11900
46	100	180	337	560	971	2300	3910	7200	12240
47	102	185	345	570	989	2350	3995	7400	12580
48	104	190	354	580	1006	2400	4080	7600	12920
49	106	195	362	590	1022	2450	4165	7800	13260
50	108	200	371	600	1040	2500	4250	8000	13600
51	110	205	379	620	1073	2550	4335	8200	13940
52	112	210	388	640	1108	2600	4420	8400	14280
53	113	215	396	660	1142	2650	4505	8600	14620
54	116	220	405	680	1176	2700	4590	8800	14960
55	117	225	413	700	1212	2750	4675	9000	15300
56	119	230	420	720	1246	2800	4760	9200	15640
57	121	235	428	740	1280	2850	4845	9400	15980
58	123	240	437	760	1312	2900	4930	9600	16320
59	125	245	445	780	1348	2950	5015	9800	16660
60	127	250	454	800	1380	3000	5100	10000	17000

DEMAND TABLES

650 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	17.4								
6	19.8								
7	22.1								
8	24.7								
9	27.1								
10	29.4								
11	31.8	62	140	255	498	820	1523	3100	5673
12	34.2	64	144	260	505	840	1561	3200	5856
13	36.8	66	148	265	516	860	1598	3300	6039
14	39.2	68	152	270	525	880	1631	3400	6222
15	41.5	70	156	275	533	900	1667	3500	6405
16	43.9	72	160	280	542	920	1704	3600	6588
17	46.3	74	164	285	551	940	1740	3700	6771
18	48.7	76	168	290	560	960	1778	3800	6954
19	50.9	78	172	295	567	980	1815	3900	7137
20	53.4	80	176	300	576	1000	1848	4000	7320
21	55.6	82	180	310	595	1050	1938	4100	7503
22	58.0	84	183	320	613	1100	2028	4200	7686
23	60.0	86	186	330	630	1150	2117	4300	7869
24	62.0	88	190	340	648	1200	2209	4400	8052
25	63.9	90	196	350	666	1250	2297	4500	8235
26	65.9	92	199	360	683	1300	2386	4600	8418
27	68.1	94	203	370	701	1350	2476	4700	8601
28	71.2	96	206	380	719	1400	2562	4800	8784
29	72.3	98	210	390	737	1450	2654	4900	8967
30	74.5	100	214	400	754	1500	2745	5000	9150
31	76.7	105	223	410	772	1550	2837	5100	9333
32	78.9	110	234	420	791	1600	2928	5200	9516
33	81.1	115	243	430	809	1650	3020	5300	9699
34	83.1	120	252	440	827	1700	3111	5400	9882
35	85.3	125	262	450	845	1750	3203	5500	10065
36	87.3	130	271	460	864	1800	3294	5600	10248
37	89.5	135	280	470	880	1850	3386	5700	10431
38	91.5	140	291	480	899	1900	3477	5800	10614
39	93.7	145	298	490	917	1950	3569	5900	10797
40	95.7	150	307	500	937	2000	3660	6000	10980
41	97.7	155	317	510	955	2050	3752	6200	11346
42	99.7	160	326	520	974	2100	3843	6400	11712
43	102	165	335	530	992	2150	3935	6600	12078
44	104	170	344	540	1008	2200	4026	6800	12444
45	106	175	353	550	1027	2250	4118	7000	12810
46	108	180	362	560	1045	2300	4209	7200	13176
47	110	185	371	570	1065	2350	4301	7400	13542
48	112	190	381	580	1083	2400	4392	7600	13908
49	114	195	389	590	1100	2450	4484	7800	14274
50	116	200	399	600	1120	2500	4575	8000	14640
51	118	205	408	620	1155	2550	4667	8200	15006
52	120	210	417	640	1193	2600	4758	8400	15372
53	122	215	426	660	1230	2650	4850	8600	15738
54	124	220	436	680	1266	2700	4941	8800	16104
55	126	225	445	700	1305	2750	5033	9000	16470
56	128	230	452	720	1341	2800	5124	9200	16836
57	130	235	461	740	1378	2850	5216	9400	17202
58	132	240	470	760	1413	2900	5307	9600	17568
59	135	245	479	780	1451	2950	5399	9800	17934
60	136	250	489	800	1486	3000	5490	10000	18300

DEMAND TABLES

700 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	18.6								
6	21.2								
7	23.7								
8	26.5								
9	29.0								
10	31.6								
11	34.1	62	150	255	533	820	1631	3100	6076
12	36.7	64	155	260	541	840	1672	3200	6272
13	39.4	66	159	265	553	860	1711	3300	6468
14	41.9	68	163	270	563	880	1746	3400	6664
15	44.5	70	167	275	570	900	1786	3500	6860
16	47.0	72	172	280	580	920	1825	3600	7056
17	49.6	74	176	285	590	940	1864	3700	7252
18	52.1	76	180	290	600	960	1905	3800	7448
19	54.5	78	184	295	608	980	1944	3900	7644
20	57.2	80	188	300	617	1000	1980	4000	7840
21	59.6	82	193	310	637	1050	2076	4100	8036
22	62.1	84	196	320	657	1100	2172	4200	8232
23	64.3	86	200	330	674	1150	2268	4300	8428
24	66.4	88	204	340	694	1200	2366	4400	8624
25	68.4	90	210	350	713	1250	2460	4500	8820
26	70.6	92	214	360	731	1300	2556	4600	9016
27	72.9	94	218	370	751	1350	2652	4700	9212
28	76.2	96	221	380	770	1400	2744	4800	9408
29	77.4	98	225	390	790	1450	2842	4900	9604
30	79.8	100	229	400	808	1500	2940	5000	9800
31	82.1	105	239	410	827	1550	3038	5100	9996
32	84.5	110	251	420	847	1600	3136	5200	10192
33	86.8	115	261	430	866	1650	3234	5300	10388
34	89.0	120	270	440	886	1700	3332	5400	10584
35	91.3	125	280	450	906	1750	3430	5500	10780
36	93.5	130	290	460	925	1800	3528	5600	10976
37	95.8	135	300	470	943	1850	3626	5700	11172
38	98.0	140	312	480	962	1900	3724	5800	11368
39	100	145	319	490	982	1950	3822	5900	11564
40	103	150	329	500	1004	2000	3920	6000	11760
41	105	155	339	510	1023	2050	4018	6200	12152
42	107	160	349	520	1043	2100	4116	6400	12544
43	109	165	359	530	1062	2150	4214	6600	12936
44	111	170	368	540	1080	2200	4312	6800	13328
45	113	175	378	550	1100	2250	4410	7000	13720
46	116	180	388	560	1119	2300	4508	7200	14112
47	118	185	398	570	1141	2350	4606	7400	14504
48	120	190	408	580	1160	2400	4704	7600	14896
49	122	195	417	590	1178	2450	4802	7800	15288
50	125	200	427	600	1200	2500	4900	8000	15680
51	127	205	437	620	1237	2550	4998	8200	16072
52	129	210	447	640	1278	2600	5096	8400	16464
53	131	215	457	660	1317	2650	5194	8600	16856
54	133	220	466	680	1356	2700	5292	8800	17248
55	135	225	476	700	1397	2750	5390	9000	17640
56	138	230	484	720	1437	2800	5488	9200	18032
57	140	235	494	740	1476	2850	5586	9400	18424
58	142	240	504	760	1513	2900	5684	9600	18816
59	144	245	514	780	1554	2950	5782	9800	19208
60	146	250	523	800	1592	3000	5880	10000	19600

DEMAND TABLES

750 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	19.7								
6	22.5								
7	25.2								
8	28.1								
9	30.8								
10	33.5								
11	36.2	62	160	255	566	820	1731	3100	6448
12	38.9	64	164	260	574	840	1774	3200	6656
13	41.8	66	169	265	587	860	1816	3300	6864
14	44.5	68	173	270	597	880	1853	3400	7072
15	47.2	70	178	275	605	900	1895	3500	7280
16	49.9	72	182	280	616	920	1936	3600	7488
17	52.6	74	187	285	626	940	1978	3700	7696
18	55.3	76	191	290	636	960	2022	3800	7904
19	57.8	78	195	295	645	980	2063	3900	8112
20	60.7	80	200	300	655	1000	2101	4000	8320
21	63.2	82	204	310	676	1050	2203	4100	8528
22	65.9	84	208	320	697	1100	2305	4200	8736
23	68.2	86	212	330	716	1150	2407	4300	8944
24	70.5	88	216	340	736	1200	2511	4400	9152
25	72.6	90	223	350	757	1250	2610	4500	9360
26	74.9	92	227	360	776	1300	2712	4600	9568
27	77.4	94	231	370	797	1350	2814	4700	9776
28	80.9	96	235	380	817	1400	2912	4800	9984
29	82.2	98	239	390	838	1450	3016	4900	10192
30	84.7	100	243	400	857	1500	3120	5000	10400
31	87.2	105	254	410	878	1550	3224	5100	10608
32	89.6	110	266	420	899	1600	3328	5200	10816
33	92.1	115	277	430	919	1650	3432	5300	11024
34	94.4	120	287	440	940	1700	3536	5400	11232
35	96.9	125	297	450	961	1750	3640	5500	11440
36	99.2	130	308	460	982	1800	3744	5600	11648
37	102	135	318	470	1000	1850	3848	5700	11856
38	104	140	331	480	1021	1900	3952	5800	12064
39	106	145	339	490	1042	1950	4056	5900	12272
40	109	150	349	500	1065	2000	4160	6000	12480
41	111	155	360	510	1086	2050	4264	6200	12896
42	113	160	370	520	1107	2100	4368	6400	13312
43	115	165	381	530	1127	2150	4472	6600	13728
44	118	170	391	540	1146	2200	4576	6800	14144
45	120	175	401	550	1167	2250	4680	7000	14560
46	123	180	412	560	1188	2300	4784	7200	14976
47	125	185	422	570	1211	2350	4888	7400	15392
48	128	190	433	580	1231	2400	4992	7600	15808
49	130	195	443	590	1250	2450	5096	7800	16224
50	132	200	453	600	1273	2500	5200	8000	16640
51	135	205	464	620	1312	2550	5304	8200	17056
52	137	210	474	640	1356	2600	5408	8400	17472
53	139	215	485	660	1398	2650	5512	8600	17888
54	141	220	495	680	1439	2700	5616	8800	18304
55	144	225	505	700	1483	2750	5720	9000	18720
56	146	230	514	720	1525	2800	5824	9200	19136
57	148	235	524	740	1566	2850	5928	9400	19552
58	150	240	535	760	1606	2900	6032	9600	19968
59	153	245	545	780	1649	2950	6136	9800	20384
60	155	250	555	800	1689	3000	6240	10000	20800

DEMAND TABLES
 800 KWH/MO/CONSUMER
 FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	20.9								
6	23.8								
7	26.6								
8	29.7								
9	32.6								
10	35.4								
11	38.3	62	169	255	598	820	1830	3100	6820
12	41.1	64	174	260	607	840	1877	3200	7040
13	44.2	66	178	265	620	860	1921	3300	7260
14	47.1	68	183	270	631	880	1960	3400	7480
15	49.9	70	188	275	640	900	2004	3500	7700
16	52.8	72	193	280	651	920	2048	3600	7920
17	55.7	74	197	285	662	940	2092	3700	8140
18	58.5	76	202	290	673	960	2138	3800	8360
19	61.2	78	207	295	682	980	2182	3900	8580
20	64.2	80	211	300	693	1000	2222	4000	8800
21	66.9	82	216	310	715	1050	2330	4100	9020
22	69.7	84	220	320	737	1100	2438	4200	9240
23	72.2	86	224	330	757	1150	2545	4300	9460
24	74.6	88	229	340	779	1200	2655	4400	9680
25	76.8	90	235	350	801	1250	2761	4500	9900
26	79.2	92	240	360	821	1300	2869	4600	10120
27	81.8	94	244	370	843	1350	2977	4700	10340
28	85.6	96	249	380	865	1400	3080	4800	10560
29	86.9	98	253	390	887	1450	3190	4900	10780
30	89.5	100	257	400	906	1500	3300	5000	11000
31	92.2	105	268	410	928	1550	3410	5100	11220
32	94.2	110	282	420	950	1600	3520	5200	11440
33	97.5	115	293	430	972	1650	3630	5300	11660
34	99.9	120	304	440	994	1700	3740	5400	11880
35	103	125	315	450	1016	1750	3850	5500	12100
36	105	130	326	460	1038	1800	3960	5600	12320
37	108	135	337	470	1058	1850	4070	5700	12540
38	110	140	350	480	1080	1900	4180	5800	12760
39	113	145	359	490	1102	1950	4290	5900	12980
40	115	150	370	500	1126	2000	4400	6000	13200
41	117	155	381	510	1148	2050	4510	6200	13640
42	120	160	392	520	1170	2100	4620	6400	14080
43	122	165	403	530	1192	2150	4730	6600	14520
44	125	170	414	540	1212	2200	4840	6800	14960
45	127	175	425	550	1234	2250	4950	7000	15400
46	130	180	436	560	1256	2300	5060	7200	15840
47	132	185	447	570	1280	2350	5170	7400	16280
48	135	190	458	580	1302	2400	5280	7600	16720
49	137	195	469	590	1322	2450	5390	7800	17160
50	140	200	480	600	1346	2500	5500	8000	17600
51	142	205	491	620	1388	2550	5610	8200	18040
52	145	210	502	640	1434	2600	5720	8400	18480
53	147	215	513	660	1478	2650	5830	8600	18920
54	150	220	524	680	1522	2700	5940	8800	19360
55	152	225	535	700	1569	2750	6050	9000	19800
56	154	230	543	720	1613	2800	6160	9200	20240
57	157	235	554	740	1657	2850	6270	9400	20680
58	159	240	565	760	1698	2900	6380	9600	21120
59	162	245	576	780	1745	2950	6490	9800	21560
60	164	250	587	800	1786	3000	6600	10000	22000

DEMAND TABLES

850 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	22.0								
6	25.1								
7	28.1								
8	31.3								
9	34.3								
10	37.4								
11	40.4	62	178	255	631	820	1930	3100	7192
12	43.4	64	183	260	640	840	1979	3200	7424
13	46.6	66	188	265	654	860	2025	3300	7656
14	49.6	68	193	270	666	880	2067	3400	7888
15	52.7	70	198	275	675	900	2114	3500	8120
16	55.7	72	203	280	687	920	2160	3600	8352
17	58.7	74	208	285	698	940	2206	3700	8584
18	61.7	76	213	290	710	960	2255	3800	8816
19	64.5	78	218	295	719	980	2301	3900	9048
20	67.7	80	223	300	731	1000	2343	4000	9280
21	70.5	82	228	310	754	1050	2457	4100	9512
22	73.5	84	232	320	777	1100	2571	4200	9744
23	76.1	86	237	330	798	1150	2684	4300	9976
24	78.6	88	241	340	821	1200	2800	4400	10208
25	81.0	90	248	350	844	1250	2912	4500	10440
26	83.5	92	253	360	865	1300	3025	4600	10672
27	86.3	94	258	370	889	1350	3139	4700	10904
28	90.2	96	262	380	912	1400	3248	4800	11136
29	91.6	98	267	390	935	1450	3364	4900	11368
30	94.4	100	271	400	956	1500	3480	5000	11600
31	97.2	105	283	410	979	1550	3596	5100	11832
32	100	110	297	420	1002	1600	3712	5200	12064
33	103	115	309	430	1025	1650	3828	5300	12296
34	105	120	320	440	1049	1700	3944	5400	12528
35	108	125	332	450	1072	1750	4060	5500	12760
36	111	130	343	460	1095	1800	4176	5600	12992
37	113	135	355	470	1116	1850	4292	5700	13224
38	116	140	369	480	1139	1900	4408	5800	13456
39	119	145	378	490	1162	1950	4524	5900	13688
40	121	150	390	500	1188	2000	4640	6000	13920
41	124	155	401	510	1211	2050	4756	6200	14384
42	126	160	413	520	1234	2100	4872	6400	14848
43	129	165	425	530	1257	2150	4988	6600	15312
44	132	170	436	540	1278	2200	5104	6800	15776
45	134	175	448	550	1302	2250	5220	7000	16240
46	137	180	459	560	1325	2300	5336	7200	16704
47	140	185	471	570	1350	2350	5452	7400	17168
48	142	190	483	580	1373	2400	5568	7600	17632
49	145	195	494	590	1394	2450	5684	7800	18096
50	147	200	506	600	1420	2500	5800	8000	18560
51	150	205	517	620	1464	2550	5916	8200	19024
52	152	210	529	640	1513	2600	6032	8400	19488
53	155	215	541	660	1559	2650	6148	8600	19952
54	158	220	552	680	1605	2700	6264	8800	20416
55	160	225	564	700	1654	2750	6380	9000	20880
56	163	230	573	720	1701	2800	6496	9200	21344
57	165	235	585	740	1747	2850	6612	9400	21808
58	168	240	596	760	1791	2900	6728	9600	22272
59	171	245	608	780	1840	2950	6844	9800	22736
60	173	250	619	800	1884	3000	6960	10000	23200

DEMAND TABLES

900 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	23.2								
6	26.4								
7	29.5								
8	32.9								
9	36.1								
10	39.3								
11	42.5	62	187	255	664	820	2030	3100	7564
12	45.6	64	193	260	673	840	2081	3200	7808
13	49.0	66	198	265	688	860	2130	3300	8052
14	52.2	68	203	270	700	880	2174	3400	8296
15	55.4	70	208	275	710	900	2223	3500	8540
16	58.6	72	214	280	722	920	2272	3600	8784
17	61.7	74	219	285	734	940	2320	3700	9028
18	64.9	76	224	290	747	960	2372	3800	9272
19	67.8	78	229	295	756	980	2420	3900	9516
20	71.2	80	234	300	769	1000	2464	4000	9760
21	74.2	82	240	310	793	1050	2584	4100	10004
22	77.3	84	244	320	817	1100	2704	4200	10248
23	80.0	86	249	330	839	1150	2823	4300	10492
24	82.7	88	254	340	864	1200	2945	4400	10736
25	85.2	90	261	350	888	1250	3062	4500	10980
26	87.8	92	266	360	910	1300	3182	4600	11224
27	90.8	94	271	370	935	1350	3301	4700	11468
28	94.9	96	276	380	959	1400	3416	4800	11712
29	96.4	98	281	390	983	1450	3538	4900	11956
30	99.3	100	285	400	1005	1500	3660	5000	12200
31	102	105	298	410	1030	1550	3782	5100	12444
32	105	110	312	420	1054	1600	3904	5200	12688
33	108	115	325	430	1078	1650	4026	5300	12932
34	111	120	337	440	1103	1700	4148	5400	13176
35	114	125	349	450	1127	1750	4270	5500	13420
36	116	130	361	460	1152	1800	4392	5600	13664
37	119	135	373	470	1174	1850	4514	5700	13908
38	122	140	388	480	1198	1900	4636	5800	14152
39	125	145	398	490	1222	1950	4758	5900	14396
40	128	150	410	500	1249	2000	4880	6000	14640
41	130	155	422	510	1274	2050	5002	6200	15128
42	133	160	434	520	1298	2100	5124	6400	15616
43	135	165	447	530	1322	2150	5246	6600	16104
44	138	170	459	540	1344	2200	5368	6800	16592
45	141	175	471	550	1369	2250	5490	7000	17080
46	144	180	483	560	1393	2300	5612	7200	17568
47	147	185	495	570	1420	2350	5734	7400	18056
48	150	190	508	580	1444	2400	5856	7600	18544
49	152	195	520	590	1466	2450	5978	7800	19032
50	155	200	532	600	1493	2500	6100	8000	19520
51	158	205	544	620	1540	2550	6222	8200	20008
52	160	210	556	640	1591	2600	6344	8400	20496
53	163	215	569	660	1640	2650	6466	8600	20984
54	166	220	581	680	1688	2700	6588	8800	21472
55	168	225	593	700	1740	2750	6710	9000	21960
56	171	230	603	720	1789	2800	6832	9200	22448
57	174	235	615	740	1837	2850	6954	9400	22936
58	176	240	627	760	1884	2900	7076	9600	23424
59	180	245	639	780	1935	2950	7198	9800	23912
60	182	250	651	800	1981	3000	7320	10000	24400

DEMAND TABLES

950 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	24.3								
6	27.6								
7	31.0								
8	34.6								
9	37.9								
10	41.2								
11	44.5	62	196	255	696	820	2130	3100	7936
12	47.9	64	202	260	707	840	2184	3200	8192
13	51.5	66	208	265	722	860	2235	3300	8448
14	54.8	68	213	270	735	880	2281	3400	8704
15	58.1	70	219	275	745	900	2332	3500	8960
16	61.4	72	224	280	758	920	2383	3600	9216
17	64.8	74	230	285	771	940	2435	3700	9472
18	68.1	76	235	290	783	960	2488	3800	9728
19	71.2	78	240	295	794	980	2540	3900	9984
20	74.8	80	246	300	806	1000	2586	4000	10240
21	77.8	82	252	310	832	1050	2711	4100	10496
22	81.2	84	256	320	858	1100	2836	4200	10752
23	84.0	86	261	330	881	1150	2962	4300	11008
24	86.8	88	266	340	906	1200	3090	4400	11264
25	89.3	90	274	350	932	1250	3213	4500	11520
26	92.2	92	279	360	955	1300	3338	4600	11776
27	95.2	94	284	370	980	1350	3464	4700	12032
28	99.6	96	289	380	1006	1400	3584	4800	12288
29	101	98	294	390	1032	1450	3712	4900	12544
30	104	100	300	400	1055	1500	3840	5000	12800
31	107	105	312	410	1080	1550	3968	5100	13056
32	110	110	328	420	1106	1600	4096	5200	13312
33	113	115	340	430	1132	1650	4224	5300	13568
34	116	120	353	440	1157	1700	4352	5400	13824
35	119	125	366	450	1183	1750	4480	5500	14080
36	122	130	379	460	1208	1800	4608	5600	14336
37	125	135	392	470	1231	1850	4736	5700	14592
38	128	140	407	480	1257	1900	4864	5800	14848
39	131	145	417	490	1283	1950	4992	5900	15104
40	134	150	430	500	1311	2000	5120	6000	15360
41	137	155	443	510	1336	2050	5248	6200	15872
42	140	160	456	520	1362	2100	5376	6400	16384
43	142	165	468	530	1388	2150	5504	6600	16896
44	145	170	481	540	1411	2200	5632	6800	17408
45	148	175	494	550	1436	2250	5760	7000	17920
46	151	180	507	560	1462	2300	5888	7200	18432
47	154	185	520	570	1490	2350	6016	7400	18944
48	157	190	532	580	1516	2400	6144	7600	19456
49	160	195	545	590	1539	2450	6272	7800	19968
50	163	200	558	600	1567	2500	6400	8000	20480
51	166	205	571	620	1615	2550	6528	8200	20992
52	168	210	584	640	1669	2600	6656	8400	21504
53	171	215	596	660	1720	2650	6784	8600	22016
54	174	220	609	680	1770	2700	6912	8800	22528
55	177	225	622	700	1825	2750	7040	9000	23040
56	180	230	632	720	1876	2800	7168	9200	23552
57	182	235	645	740	1928	2850	7296	9400	24064
58	185	240	658	760	1976	2900	7424	9600	24576
59	188	245	671	780	2030	2950	7552	9800	25088
60	191	250	684	800	2079	3000	7680	10000	25600

DEMAND TABLES

1000 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	25.4								
6	28.9								
7	32.4								
8	36.2								
9	39.7								
10	43.1								
11	46.6	62	206	255	729	820	2230	3100	8308
12	50.1	64	211	260	740	840	2286	3200	8576
13	53.9	66	217	265	756	860	2340	3300	8844
14	57.4	68	223	270	769	880	2388	3400	9112
15	60.8	70	229	275	780	900	2441	3500	9380
16	64.3	72	235	280	793	920	2495	3600	9648
17	67.8	74	240	285	807	940	2549	3700	9916
18	71.3	76	246	290	820	960	2605	3800	10184
19	74.5	78	252	295	831	980	2659	3900	10452
20	78.3	80	257	300	844	1000	2707	4000	10720
21	81.5	82	263	310	871	1050	2838	4100	10988
22	85.0	84	268	320	898	1100	2965	4200	11256
23	87.9	86	273	330	922	1150	3101	4300	11524
24	90.9	88	279	340	949	1200	3235	4400	11792
25	93.5	90	287	350	976	1250	3363	4500	12060
26	96.5	92	292	360	1000	1300	3495	4600	12328
27	99.7	94	297	370	1026	1350	3626	4700	12596
28	104	96	303	380	1053	1400	3752	4800	12864
29	106	98	308	390	1080	1450	3886	4900	13132
30	109	100	314	400	1104	1500	4020	5000	13400
31	112	105	327	410	1131	1550	4154	5100	13668
32	116	110	343	420	1158	1600	4288	5200	13936
33	119	115	356	430	1185	1650	4422	5300	14204
34	122	120	370	440	1211	1700	4556	5400	14472
35	125	125	383	450	1238	1750	4690	5500	14740
36	128	130	397	460	1265	1800	4824	5600	15008
37	131	135	410	470	1289	1850	4958	5700	15276
38	134	140	426	480	1316	1900	5092	5800	15544
39	137	145	437	490	1343	1950	5226	5900	15812
40	140	150	450	500	1372	2000	5360	6000	16080
41	143	155	464	510	1399	2050	5494	6200	16616
42	146	160	477	520	1426	2100	5628	6400	17152
43	149	165	490	530	1453	2150	5762	6600	17688
44	152	170	504	540	1477	2200	5896	6800	18224
45	155	175	517	550	1503	2250	6030	7000	18760
46	158	180	531	560	1530	2300	6164	7200	19296
47	161	185	544	570	1560	2350	6298	7400	19832
48	165	190	557	580	1587	2400	6432	7600	20368
49	167	195	571	590	1611	2450	6566	7800	20904
50	170	200	584	600	1640	2500	6700	8000	21440
51	174	205	598	620	1691	2550	6834	8200	21976
52	176	210	611	640	1747	2600	6968	8400	22512
53	179	215	624	660	1801	2650	7102	8600	23048
54	182	220	638	680	1855	2700	7236	8800	23584
55	185	225	651	700	1911	2750	7370	9000	24120
56	188	230	662	720	1964	2800	7504	9200	24656
57	191	235	675	740	2018	2850	7638	9400	25192
58	194	240	689	760	2069	2900	7772	9600	25728
59	197	245	702	780	2125	2950	7906	9800	26264
60	200	250	716	800	2176	3000	8040	10000	26800

DEMAND TABLES

1200 KWH/MO/CONSUMER

FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	29.9								
6	34.0								
7	38.1								
8	42.5								
9	46.6								
10	50.7								
11	54.8	62	242	255	857	820	2621	3100	9765
12	58.9	64	249	260	869	840	2687	3200	10080
13	63.3	66	255	265	888	860	2750	3300	10395
14	67.4	68	262	270	904	880	2807	3400	10710
15	71.5	70	269	275	926	900	2870	3500	11025
16	75.6	72	276	280	932	920	2933	3600	11340
17	79.7	74	283	285	948	940	2996	3700	11655
18	83.8	76	289	290	964	960	3062	3800	11970
19	87.6	78	296	295	977	980	3125	3900	12285
20	92.0	80	302	300	992	1000	3182	4000	12600
21	95.8	82	310	310	1024	1050	3336	4100	12915
22	99.9	84	315	320	1055	1100	3490	4200	13230
23	103	86	321	330	1084	1150	3645	4300	13545
24	107	88	328	340	1115	1200	3802	4400	13860
25	110	90	337	350	1147	1250	3953	4500	14175
26	113	92	343	360	1175	1300	4108	4600	14490
27	117	94	350	370	1206	1350	4262	4700	14805
28	122	96	356	380	1238	1400	4410	4800	15120
29	124	98	362	390	1269	1450	4568	4900	15435
30	128	100	369	400	1298	1500	4725	5000	15750
31	132	105	384	410	1329	1550	4883	5100	16065
32	136	110	403	420	1361	1600	5040	5200	16380
33	140	115	419	430	1392	1650	5198	5300	16695
34	143	120	435	440	1424	1700	5355	5400	17010
35	147	125	450	450	1455	1750	5513	5500	17325
36	150	130	466	460	1487	1800	5670	5600	17640
37	154	135	482	470	1515	1850	5828	5700	17955
38	158	140	501	480	1547	1900	5985	5800	18270
39	161	145	513	490	1578	1950	6143	5900	18585
40	165	150	529	500	1613	2000	6300	6000	18900
41	168	155	545	510	1644	2050	6458	6200	19530
42	172	160	561	520	1676	2100	6615	6400	20160
43	175	165	576	530	1707	2150	6773	6600	20790
44	179	170	592	540	1736	2200	6930	6800	21420
45	182	175	608	550	1767	2250	7088	7000	22050
46	186	180	624	560	1799	2300	7245	7200	22680
47	190	185	639	570	1833	2350	7403	7400	23310
48	193	190	655	580	1865	2400	7560	7600	23940
49	197	195	671	590	1893	2450	7718	7800	24570
50	200	200	687	600	1928	2500	7875	8000	25200
51	204	205	702	620	1988	2550	8033	8200	25830
52	207	210	718	640	2054	2600	8190	8400	26460
53	210	215	734	660	2117	2650	8348	8600	27090
54	214	220	750	680	2180	2700	8505	8800	27720
55	217	225	765	700	2246	2750	8663	9000	28350
56	221	230	778	720	2309	2800	8820	9200	28980
57	224	235	794	740	2372	2850	8978	9400	29610
58	228	240	810	760	2432	2900	9135	9600	30240
59	232	245	825	780	2498	2950	9293	9800	30870
60	235	250	841	800	2558	3000	9450	10000	31500

DEMAND TABLES
 1400 KWH/MO/CONSUMER
 FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	34.4								
6	39.1								
7	43.8								
8	48.9								
9	53.6								
10	58.3								
11	63.0	62	278	255	985	820	3012	3100	11222
12	67.7	64	286	260	999	840	3088	3200	11584
13	72.8	66	294	265	1021	860	3160	3300	11946
14	77.5	68	301	270	1039	880	3225	3400	12308
15	82.2	70	309	275	1053	900	3298	3500	12670
16	86.9	72	317	280	1072	920	3370	3600	13032
17	91.6	74	325	285	1090	940	3443	3700	13394
18	96.3	76	332	290	1108	960	3519	3800	13756
19	101	78	340	295	1122	980	3591	3900	14118
20	106	80	348	300	1140	1000	3656	4000	14480
21	110	82	356	310	1177	1050	3834	4100	14842
22	115	84	362	320	1213	1100	4011	4200	15204
23	119	86	369	330	1245	1150	4188	4300	15566
24	123	88	376	340	1281	1200	4369	4400	15928
25	126	90	387	350	1318	1250	4543	4500	16290
26	130	92	395	360	1350	1300	4720	4600	16652
27	135	94	402	370	1386	1350	4898	4700	17014
28	141	96	409	380	1423	1400	5068	4800	17376
29	143	98	416	390	1459	1450	5249	4900	17738
30	147	100	424	400	1491	1500	5430	5000	18100
31	152	105	442	410	1528	1550	5611	5100	18462
32	156	110	463	420	1564	1600	5792	5200	18824
33	160	115	481	430	1600	1650	5973	5300	19186
34	164	120	500	440	1636	1700	6154	5400	19548
35	169	125	518	450	1672	1750	6335	5500	19910
36	173	130	536	460	1709	1800	6516	5600	20272
37	177	135	554	470	1741	1850	6697	5700	20634
38	181	140	576	480	1777	1900	6878	5800	20996
39	185	145	590	490	1814	1950	7059	5900	21358
40	189	150	608	500	1853	2000	7240	6000	21720
41	193	155	626	510	1890	2050	7421	6200	22444
42	197	160	644	520	1926	2100	7602	6400	23168
43	201	165	662	530	1962	2150	7783	6600	23892
44	205	170	681	540	1995	2200	7964	6800	24616
45	210	175	699	550	2031	2250	8145	7000	25340
46	214	180	717	560	2067	2300	8326	7200	26064
47	218	185	735	570	2107	2350	8507	7400	26788
48	222	190	753	580	2143	2400	8688	7600	27512
49	226	195	771	590	2176	2450	8869	7800	28236
50	230	200	789	600	2215	2500	9050	8000	28960
51	234	205	807	620	2284	2550	9231	8200	29684
52	238	210	825	640	2360	2600	9412	8400	30408
53	241	215	843	660	2433	2650	9593	8600	31132
54	246	220	862	680	2505	2700	9774	8800	31856
55	250	225	880	700	2581	2750	9955	9000	32580
56	254	230	894	720	2653	2800	10136	9200	33304
57	258	235	912	740	2726	2850	10317	9400	34028
58	262	240	930	760	2795	2900	10498	9600	34752
59	266	245	948	780	2871	2950	10679	9800	35476
60	270	250	967	800	2939	3000	10860	10000	36200

DEMAND TABLES
 1600 KWH/MO/CONSUMER
 FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	38.6								
6	44.0								
7	49.2								
8	54.9								
9	60.2								
10	65.5								
11	70.8	62	312	255	1107	820	3386	3100	12617
12	76.1	64	321	260	1123	840	3472	3200	13024
13	81.8	66	330	265	1148	860	3553	3300	13431
14	87.1	68	339	270	1168	880	3626	3400	13838
15	92.4	70	348	275	1184	900	3708	3500	14245
16	97.7	72	357	280	1205	920	3789	3600	14652
17	103	74	365	285	1225	940	3871	3700	15059
18	108	76	374	290	1245	960	3956	3800	15466
19	113	78	382	295	1262	980	4037	3900	15873
20	119	80	391	300	1282	1000	4111	4000	16280
21	124	82	400	310	1323	1050	4310	4100	16687
22	129	84	407	320	1363	1100	4510	4200	17094
23	133	86	415	330	1400	1150	4709	4300	17501
24	138	88	423	340	1441	1200	4912	4400	17908
25	142	90	435	350	1481	1250	5108	4500	18315
26	147	92	444	360	1518	1300	5307	4600	18722
27	151	94	452	370	1559	1350	5507	4700	19129
28	158	96	460	380	1600	1400	5698	4800	19536
29	161	98	468	390	1640	1450	5902	4900	19943
30	166	100	476	400	1677	1500	6105	5000	20350
31	171	105	497	440	1718	1550	6309	5100	20757
32	175	110	521	420	1758	1600	6512	5200	21164
33	180	115	541	430	1799	1650	6716	5300	21571
34	185	120	562	440	1840	1700	6919	5400	21978
35	190	125	582	450	1880	1750	7123	5500	22385
36	194	130	602	460	1921	1800	7326	5600	22792
37	199	135	623	470	1958	1850	7530	5700	23199
38	204	140	647	480	1998	1900	7733	5800	23606
39	208	145	663	490	2039	1950	7937	5900	24013
40	213	150	684	500	2084	2000	8140	6000	24420
41	217	155	704	510	2125	2050	8344	6200	25234
42	222	160	724	520	2165	2100	8547	6400	26048
43	226	165	745	530	2206	2150	8751	6600	26862
44	231	170	765	540	2243	2200	8954	6800	27676
45	236	175	786	550	2283	2250	9158	7000	28490
46	240	180	806	560	2324	2300	9361	7200	29304
47	245	185	826	570	2369	2350	9565	7400	30118
48	250	190	847	580	2409	2400	9768	7600	30932
49	254	195	867	590	2446	2450	9972	7800	31746
50	258	200	887	600	2491	2500	10175	8000	32560
51	263	205	908	620	2568	2550	10379	8200	33374
52	267	210	928	640	2654	2600	10582	8400	34188
53	271	215	948	660	2735	2650	10786	8600	35002
54	277	220	969	680	2816	2700	10989	8800	35816
55	281	225	989	700	2902	2750	11193	9000	36630
56	286	230	1005	720	2983	2800	11396	9200	37444
57	290	235	1026	740	3065	2850	11600	9400	38258
58	294	240	1046	760	3142	2900	11803	9600	39072
59	300	245	1066	780	3228	2950	12007	9800	39886
60	303	250	1087	800	3305	3000	12210	10000	40700

DEMAND TABLES
 1800 KWH/MO/CONSUMER
 FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	42.8								
6	48.7								
7	54.6								
8	60.9								
9	66.7								
10	72.6								
11	78.5	62	346	255	1227	820	3752	3100	13981
12	84.3	64	356	260	1245	840	3847	3200	14432
13	90.7	66	366	265	1272	860	3937	3300	14883
14	96.5	68	375	270	1294	880	4018	3400	15334
15	102	70	385	275	1312	900	4109	3500	15785
16	108	72	395	280	1335	920	4199	3600	16236
17	114	74	405	285	1358	940	4289	3700	16687
18	120	76	414	290	1380	960	4384	3800	17138
19	125	78	423	295	1398	980	4474	3900	17589
20	132	80	433	300	1421	1000	4555	4000	18040
21	137	82	443	310	1466	1050	4776	4100	18491
22	143	84	451	320	1511	1100	4997	4200	18942
23	148	86	460	330	1551	1150	5218	4300	19393
24	153	88	469	340	1597	1200	5444	4400	19844
25	157	90	483	350	1642	1250	5660	4500	20295
26	162	92	492	360	1682	1300	5881	4600	20746
27	168	94	501	370	1727	1350	6102	4700	21197
28	175	96	510	380	1772	1400	6314	4800	21648
29	178	98	519	390	1818	1450	6540	4900	22099
30	184	100	528	400	1858	1500	6765	5000	22550
31	189	105	550	410	1903	1550	6991	5100	23001
32	194	110	577	420	1948	1600	7216	5200	23452
33	200	115	600	430	1993	1650	7442	5300	23903
34	205	120	622	440	2039	1700	7667	5400	24354
35	210	125	645	450	2084	1750	7893	5500	24805
36	215	130	667	460	2129	1800	8118	5600	25256
37	221	135	690	470	2169	1850	8344	5700	25707
38	226	140	717	480	2214	1900	8569	5800	26158
39	231	145	735	490	2260	1950	8795	5900	26609
40	236	150	758	500	2309	2000	9020	6000	27060
41	241	155	780	510	2354	2050	9246	6200	27962
42	246	160	803	520	2399	2100	9471	6400	28864
43	250	165	825	530	2444	2150	9697	6600	29766
44	256	170	848	540	2485	2200	9922	6800	30668
45	261	175	870	550	2530	2250	10148	7000	31570
46	266	180	893	560	2575	2300	10373	7200	32472
47	272	185	916	570	2625	2350	10599	7400	33374
48	277	190	938	580	2670	2400	10824	7600	34276
49	281	195	961	590	2711	2450	11050	7800	35178
50	286	200	983	600	2760	2500	11275	8000	36080
51	292	205	1006	620	2846	2550	11501	8200	36982
52	296	210	1028	640	2941	2600	11726	8400	37884
53	301	215	1051	660	3031	2650	11952	8600	38786
54	307	220	1073	680	3121	2700	12177	8800	39688
55	311	225	1096	700	3216	2750	12403	9000	40590
56	317	230	1114	720	3306	2800	12628	9200	41492
57	321	235	1137	740	3396	2850	12854	9400	42394
58	326	240	1159	760	3482	2900	13079	9600	43296
59	332	245	1182	780	3576	2950	13305	9800	44198
60	336	250	1204	800	3662	3000	13530	10000	45100

DEMAND TABLES
 2000 KWH/MO/CONSUMER
 FOR USE WITH VOLTAGE DROP STUDY

NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW	NO. CONSUMERS	DEMAND IN KW
5	47.0								
6	53.5								
7	59.9								
8	66.8								
9	73.3								
10	79.7								
11	86.1								
12	92.6	62	380	255	1346	820	4118	3100	15345
13	99.5	64	391	260	1366	840	4222	3200	15840
14	106	66	401	265	1396	860	4321	3300	16335
15	112	68	412	270	1421	880	4410	3400	16830
16	119	70	423	275	1440	900	4509	3500	17325
17	125	72	434	280	1465	920	4608	3600	17820
18	132	74	444	285	1490	940	4707	3700	18315
19	138	76	454	290	1515	960	4811	3800	18810
20	145	78	465	295	1535	980	4910	3900	19305
		80	475	300	1559	1000	5000	4000	19800
21	150	82	487	310	1609	1050	5242	4100	20295
22	157	84	495	320	1658	1100	5485	4200	20790
23	162	86	505	330	1703	1150	5727	4300	21285
24	168	88	515	340	1752	1200	5975	4400	21780
25	173	90	530	350	1802	1250	6212	4500	22275
26	178	92	540	360	1846	1300	6455	4600	22770
27	184	94	549	370	1896	1350	6697	4700	23265
28	193	96	559	380	1945	1400	6930	4800	23760
29	196	98	569	390	1995	1450	7178	4900	24255
30	201	100	579	400	2039	1500	7425	5000	24750
31	207	105	604	410	2089	1550	7673	5100	25245
32	213	110	634	420	2138	1600	7920	5200	25740
33	219	115	658	430	2188	1650	8168	5300	26235
34	225	120	683	440	2237	1700	8415	5400	26730
35	231	125	708	450	2287	1750	8663	5500	27225
36	236	130	733	460	2336	1800	8910	5600	27720
37	242	135	757	470	2381	1850	9158	5700	28215
38	248	140	787	480	2430	1900	9405	5800	28710
39	253	145	807	490	2480	1950	9653	5900	29205
40	259	150	832	500	2534	2000	9900	6000	29700
41	264	155	856	510	2584	2050	10148	6200	30690
42	270	160	881	520	2633	2100	10395	6400	31680
43	275	165	906	530	2683	2150	10643	6600	32670
44	281	170	931	540	2727	2200	10890	6800	33660
45	287	175	955	550	2777	2250	11138	7000	34650
46	292	180	980	560	2826	2300	11385	7200	35640
47	298	185	1005	570	2881	2350	11633	7400	36630
48	304	190	1030	580	2930	2400	11880	7600	37620
49	309	195	1054	590	2975	2450	12128	7800	38610
50	314	200	1079	600	3029	2500	12375	8000	39600
51	320	205	1104	620	3123	2550	12623	8200	40590
52	325	210	1129	640	3227	2600	12870	8400	41580
53	330	215	1153	660	3326	2650	13118	8600	42570
54	337	220	1178	680	3425	2700	13365	8800	43560
55	342	225	1203	700	3529	2750	13613	9000	44550
56	347	230	1223	720	3628	2800	13860	9200	45540
57	352	235	1247	740	3727	2850	14108	9400	46530
58	358	240	1272	760	3821	2900	14355	9600	47520
59	364	245	1297	780	3925	2950	14603	9800	48510
60	369	250	1322	800	4019	3000	14850	10000	49500

NOMOGRAM FOR KW DEMAND

(Place straightedge from number of consumer in left-hand column to KWH/Mo./Consumer in right-hand column, and read demand in center column.)

NO. CONSUMERS

140
120
100
90
80
70
60
50
40
30
25
20
16
14
12
10
8
7
6
5

DEMAND IN KW

1200
1000
700
500
400
300
200
150
100
70
50
40
30
20
15
10
7
5
4
3
2
1.5

KWH/MO./CONSUMER

5000
4000
3000
2400
2000
1600
1400
1200
1000
900
800
700
600
500
400
350
300
250
200
175
150
125
100
75
50

*Division Rep.
 Log. Factor "A"
 corresponding
 to number of customers*

*Division Representative
 Study of Factor "B"
 corresponding to KWH/Mo./Consumer*

NÖ. CONSUMERS

10,000
 8000
 7000
 6000
 5000
 4000
 3200
 2800
 2400
 2000
 1800
 1600
 1400
 1200
 1000
 900
 800
 700
 600
 550
 500
 450
 400
 360
 320
 280
 240
 200
 180
 160
 140

DEMAND IN KW

100,000
 60,000
 40,000
 30,000
 20,000
 15,000
 10,000
 7000
 5000
 4000
 3000
 2000
 1400
 1000
 700
 500
 400
 300
 200
 150
 100
 80
 60
 50
 40
 32
 26

KWH/MO./CONSUMER

4000
 3000
 2400
 2000
 1600
 1400
 1200
 1000
 900
 800
 700
 600
 500
 400
 350
 300
 250
 200
 175
 150
 125
 100
 75
 50

45

DEMAND TABLES

CONSUMER FACTOR
 (FACTOR "A")

NO. CONSUMERS	FACTOR "A"	NO. CONSUMERS	FACTOR "A"	NO. CONSUMERS	FACTOR "A"	NO. CONSUMERS	FACTOR "A"	NO. CONSUMERS	FACTOR "A"
5	9.49								
6	10.8								
7	12.1								
8	13.5								
9	14.8								
10	16.1								
11	17.4	62	76.7	255	272	820	832	3100	
12	18.7	64	78.9	260	276	840	853	3200	
13	20.1	66	81.1	265	282	860	873	3300	
14	21.4	68	83.2	270	287	880	891	3400	
15	22.7	70	85.4	275	291	900	911	3500	
16	24.0	72	87.6	280	296	920	931	3600	
17	25.3	74	89.7	285	301	940	951	3700	
18	26.6	76	91.8	290	306	960	972	3800	
19	27.8	78	93.9	295	310	980	992	3900	
20	29.2	80	96.0	300	315	1000	1010	4000	
21	30.4	82	98.3	310	325	1050	1059	4100	
22	31.7	84	100	320	335	1100	1108	4200	
23	32.8	86	102	330	344	1150	1157	4300	
24	33.9	88	104	340	354	1200	1207	4400	
25	34.9	90	107	350	364	1250	1255	4500	
26	36.0	92	109	360	373	1300	1304	4600	
27	37.2	94	111	370	383	1350	1353	4700	
28	38.9	96	113	380	393	1400	1400	4800	
29	39.5	98	115	390	403	1450	1450	4900	
30	40.7	100	117	400	412	1500	1500	5000	
31	41.9	105	122	410	422	1550		5100	
32	43.1	110	128	420	432	1600		5200	
33	44.3	115	133	430	442	1650		5300	
34	45.4	120	138	440	452	1700		5400	
35	46.6	125	143	450	462	1750		5500	
36	47.7	130	148	460	472	1800		5600	
37	48.9	135	153	470	481	1850		5700	
38	50.0	140	159	480	491	1900		5800	
39	51.2	145	163	490	501	1950		5900	
40	52.3	150	168	500	512	2000		6000	
41	53.4	155	173	510	522	2050		6200	
42	54.5	160	178	520	532	2100		6400	
43	55.5	165	183	530	542	2150		6600	
44	56.7	170	188	540	551	2200		6800	
45	57.9	175	193	550	561	2250		7000	
46	59.0	180	198	560	571	2300		7200	
47	60.2	185	203	570	582	2350		7400	
48	61.4	190	208	580	592	2400		7600	
49	62.4	195	213	590	601	2450		7800	
50	63.5	200	218	600	612	2500		8000	
51	64.7	205	223	620	631	2550		8200	
52	65.7	210	228	640	652	2600		8400	
53	66.7	215	233	660	672	2650		8600	
54	68.0	220	238	680	692	2700		8800	
55	69.0	225	243	700	713	2750		9000	
56	70.2	230	247	720	733	2800		9200	
57	71.2	235	252	740	753	2850		9400	
58	72.3	240	257	760	772	2900		9600	
59	73.6	245	262	780	793	2950		9800	
60	74.5	250	267	800	812	3000		10000	

SAME AS NUMBER OF CONSUMERS

SAME AS NUMBER OF CONSUMERS

DEMAND TABLES

KWH FACTOR
 (FACTOR "B")

KWH/MO/CONSUMER	FACTOR "B"	KWH/MO/CONSUMER	FACTOR "B"
50	.189	420	1.24
55	.203	440	1.29
60	.220	460	1.34
65	.237	480	1.40
70	.254	500	1.45
75	.270	525	1.51
80	.286	550	1.58
85	.301	575	1.64
90	.317	600	1.70
95	.333	625	1.77
100	.348	650	1.83
110	.379	675	1.90
120	.409	700	1.96
130	.439	725	2.02
140	.468	750	2.08
150	.497	775	2.14
160	.525	800	2.20
170	.554	825	2.26
180	.583	850	2.32
190	.612	875	2.38
200	.641	900	2.44
210	.669	925	2.50
220	.697	950	2.56
230	.726	975	2.62
240	.755	1000	2.68
250	.784	1100	2.92
260	.810	1200	3.15
270	.836	1300	3.39
280	.864	1400	3.62
290	.893	1500	3.84
300	.923	1600	4.07
320	.972	1700	4.29
340	1.03	1800	4.51
360	1.08	1900	4.73
380	1.14	2000	4.95
400	1.19		

NOTE: The above table may be plotted as a straight line on log-log paper.