

**Southwestern Public Service Company**  
**Hourly Load Profiles**

Appendix E  
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This section contains typical day load patterns on a system-wide basis for each customer class provided for peak day, average day and representative off-peak days for each calendar month.

The following monthly class load shapes are developed from company load research data for the year 2017. The following statistics were used for each requirement:

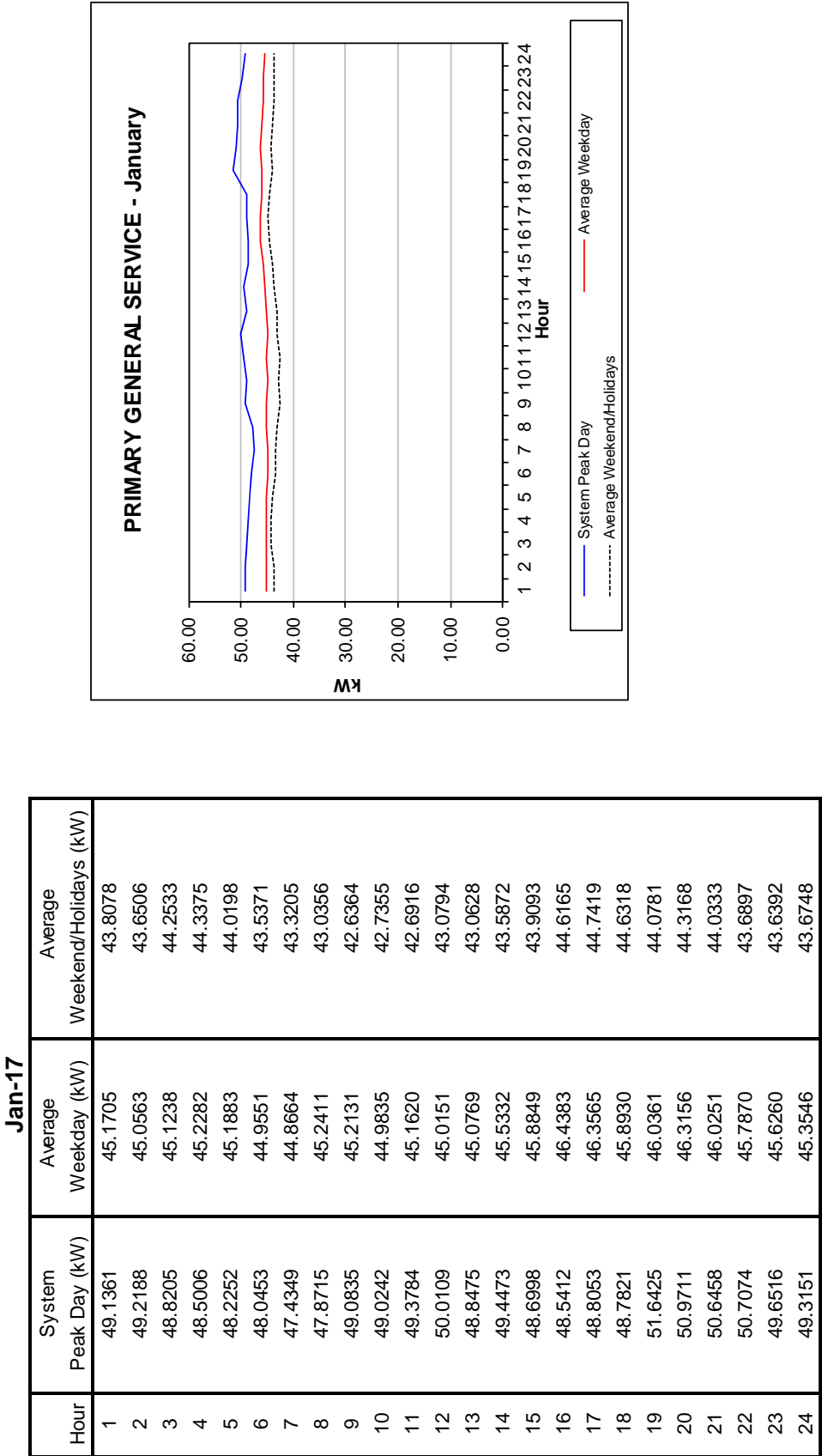
<b>REQUIREMENT</b>	<b>STATISTIC</b>
Peak Day	System Peak Day
Average Day	Average Weekday Excluding Holidays
Representative Off-Peak Day	Average Weekends and Holidays

The following pages contain tables and graphs for each of the load patterns described above.

Primary General Service	Tables E-1.1 – E-1.12
Large Municipal and School	Tables E-2.1 – E-2.12
Small Municipal and School	Tables E-3.1 – E-3.12
Secondary General Service	Tables E-4.1 – E-4.12
Large General 69 kV	Tables E-5.1 – E-5.12
Large General Transmission Customers	Tables E-6.1 – E-6.12
Residential Regular	Tables E-7.1 – E-7.12
Residential Heat	Tables E-8.1 – E-8.12
Small General Service	Tables E-9.1 – E-9.12
Irrigation Power Service	Tables E-10.1 – E-10.12

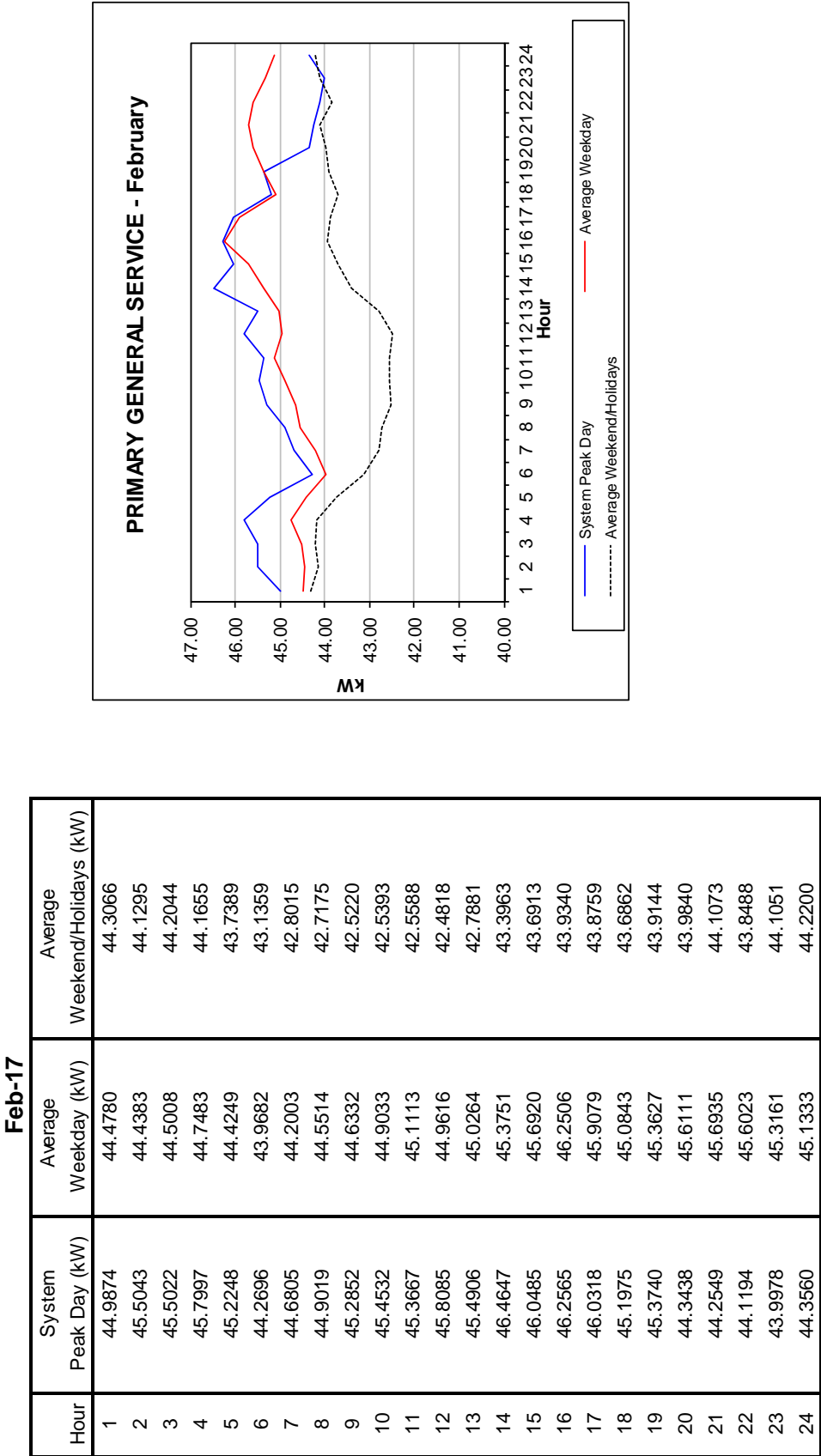
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-1.1



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Hourly Load Profiles

TABLE E-1.2



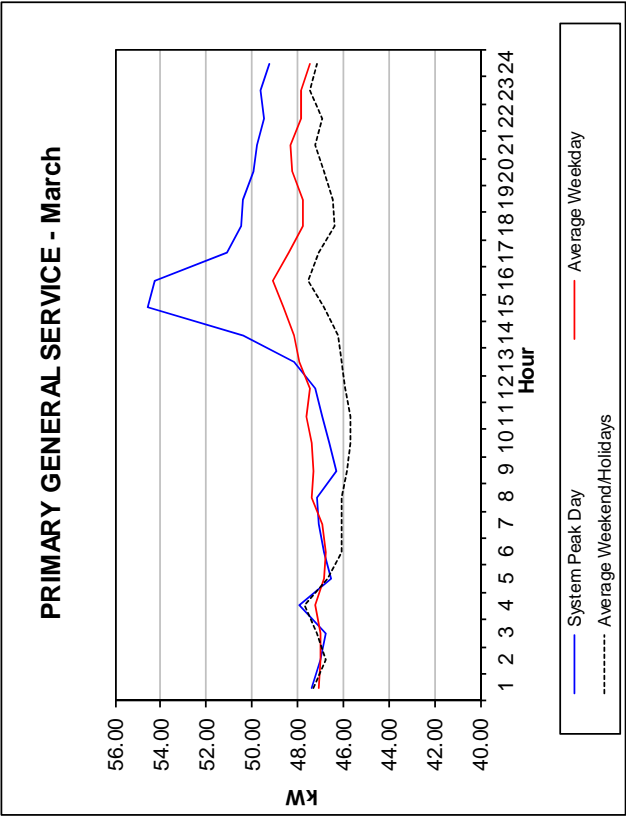
Southwestern Public Service Company

Hourly Load Profiles

TABLE E-1.3

Mar-17

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	47.3923	47.0633	47.2760
2	47.0101	46.9709	46.7726
3	46.7553	47.0142	47.1557
4	47.8921	47.2088	47.6944
5	46.5038	46.8641	46.6967
6	46.8129	46.7577	46.0356
7	47.1073	46.9197	46.0879
8	47.1668	47.3980	46.0618
9	46.2685	47.3080	45.8266
10	46.6302	47.4171	45.6437
11	46.8810	47.6339	45.6521
12	47.2302	47.4649	45.8815
13	48.1789	47.9074	46.0507
14	50.3840	48.1777	46.2040
15	54.6021	48.5820	46.8790
16	54.2791	49.0792	47.5086
17	51.0860	48.3983	47.1109
18	50.4816	47.7733	46.3497
19	50.4097	47.7802	46.4264
20	49.9206	48.1964	46.8406
21	49.7954	48.2993	47.2219
22	49.4635	47.8433	46.9475
23	49.5874	47.8187	47.4858
24	49.2033	47.4482	47.1649

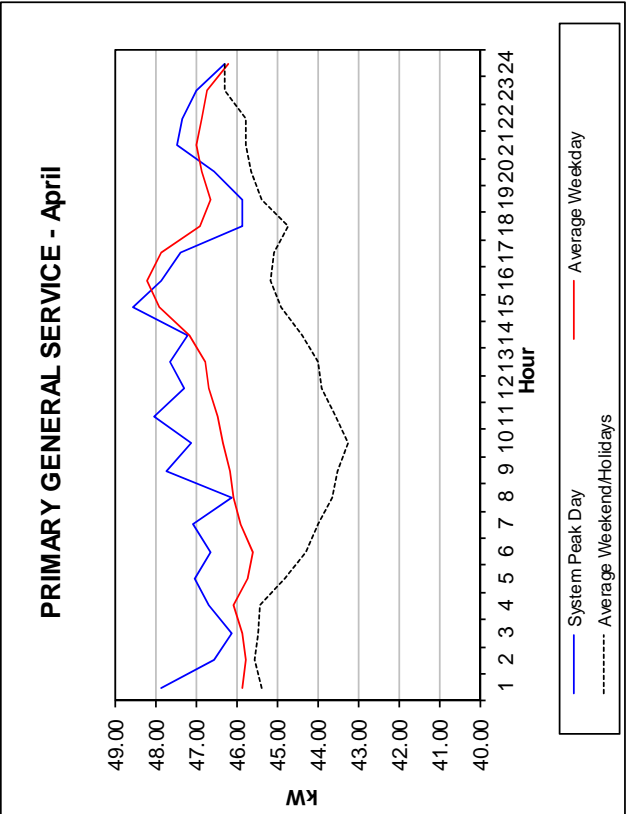


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TABLE E-1.4

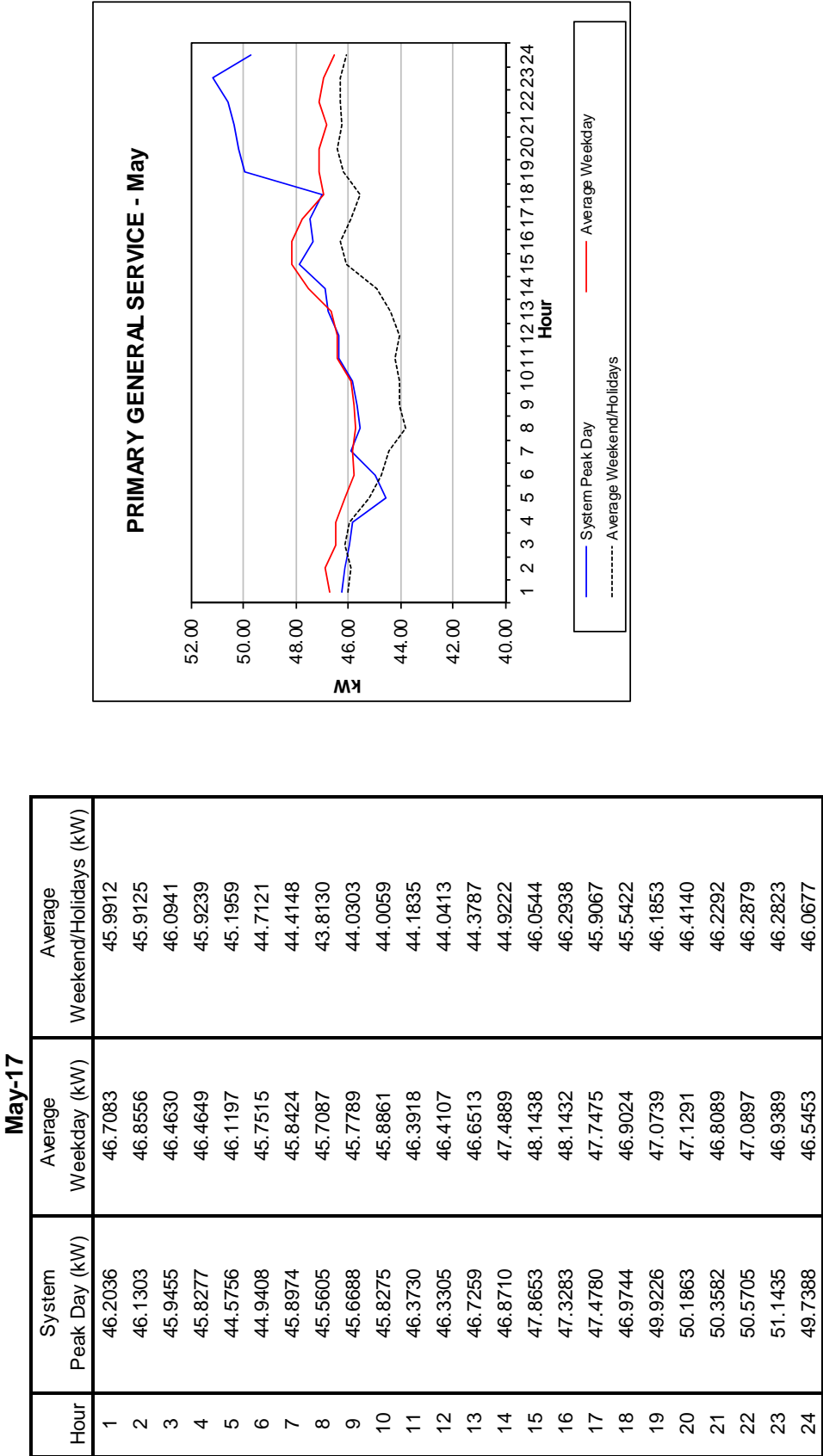
Apr-17

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	47.8513	45.8616	45.3585
2	46.5495	45.7742	45.5572
3	46.0953	45.8451	45.4736
4	46.6855	46.0577	45.3971
5	47.0313	45.7324	44.8181
6	46.6090	45.6050	44.2784
7	47.0517	45.8946	43.9888
8	46.1286	46.0628	43.6149
9	47.6965	46.1451	43.4985
10	47.1228	46.3114	43.2483
11	48.0370	46.4704	43.5615
12	47.2873	46.6587	43.8791
13	47.6232	46.7671	43.9936
14	47.1968	47.1637	44.3744
15	48.5285	47.8936	44.9130
16	47.8551	48.2027	45.1414
17	47.3793	47.8685	45.0827
18	45.8593	46.8947	44.7353
19	45.8430	46.6453	45.3733
20	46.5605	46.8506	45.6218
21	47.4427	46.9795	45.7724
22	47.3278	46.8274	45.7736
23	46.9809	46.7011	46.2682
24	46.2876	46.1784	46.2922



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TABLE E-1.5

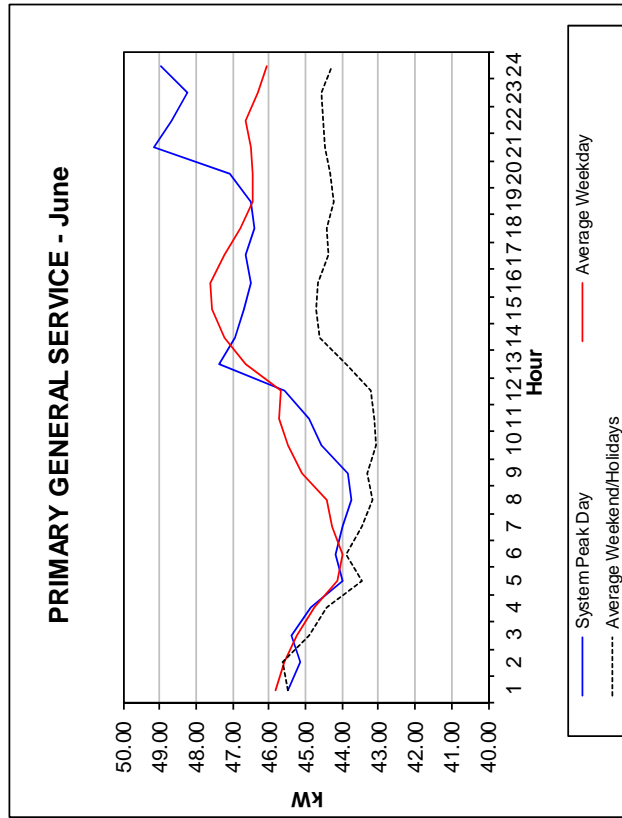


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Hourly Load Profiles

TABLE E-1.6

Jun-17

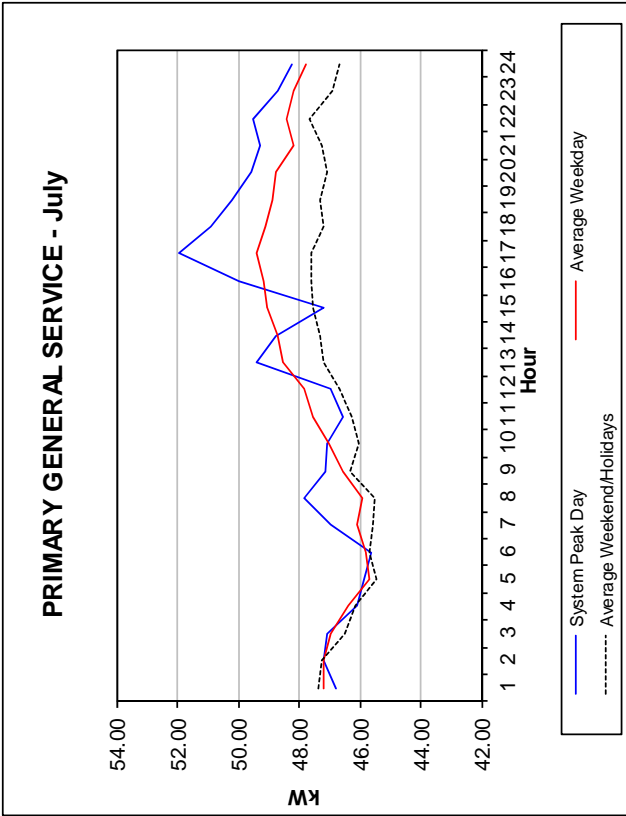
Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	45.4829	45.8166	45.4729
2	45.1254	45.5952	45.6223
3	45.3743	45.2366	44.9129
4	44.8511	44.7548	44.4167
5	43.9871	44.1214	43.4684
6	44.1947	44.0071	43.8739
7	43.9733	44.2605	43.4479
8	43.7593	44.4384	43.1474
9	43.8564	45.0842	43.2981
10	44.5817	45.4755	43.0535
11	44.9199	45.7460	43.1378
12	45.5887	45.6602	43.2158
13	47.3859	46.6266	43.9029
14	46.9216	47.2065	44.6093
15	46.6897	47.5620	44.7176
16	46.4994	47.5988	44.6537
17	46.6301	47.2085	44.3516
18	46.4107	46.7837	44.4124
19	46.4894	46.4501	44.2335
20	47.0817	46.4706	44.3340
21	49.1381	46.5009	44.4555
22	48.6593	46.6334	44.5323
23	48.2158	46.3064	44.5557
24	48.9767	46.0616	44.2806



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TABLE E-1.7

Jul-17			
Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	46.7658	47.2154	47.3511
2	47.1852	47.2006	47.2441
3	47.0530	46.9473	46.4958
4	46.1078	46.3800	46.1490
5	45.8424	45.6547	45.4292
6	45.6170	45.7918	45.7001
7	46.9472	46.0704	45.5427
8	47.8506	45.9235	45.5093
9	47.1283	46.5734	46.2949
10	47.0898	46.9912	46.0142
11	46.5643	47.5456	46.2354
12	46.9391	47.7988	46.6747
13	49.4044	48.4945	47.1905
14	48.7372	48.6753	47.2855
15	47.1942	49.0450	47.5215
16	49.9705	49.1400	47.6022
17	51.9345	49.3647	47.5715
18	50.8951	49.0809	47.1887
19	50.2113	48.8865	47.2772
20	49.5666	48.7475	47.0455
21	49.2691	48.1516	47.2402
22	49.5321	48.3883	47.6731
23	48.7158	48.1702	46.8719
24	48.2486	47.7616	46.6639



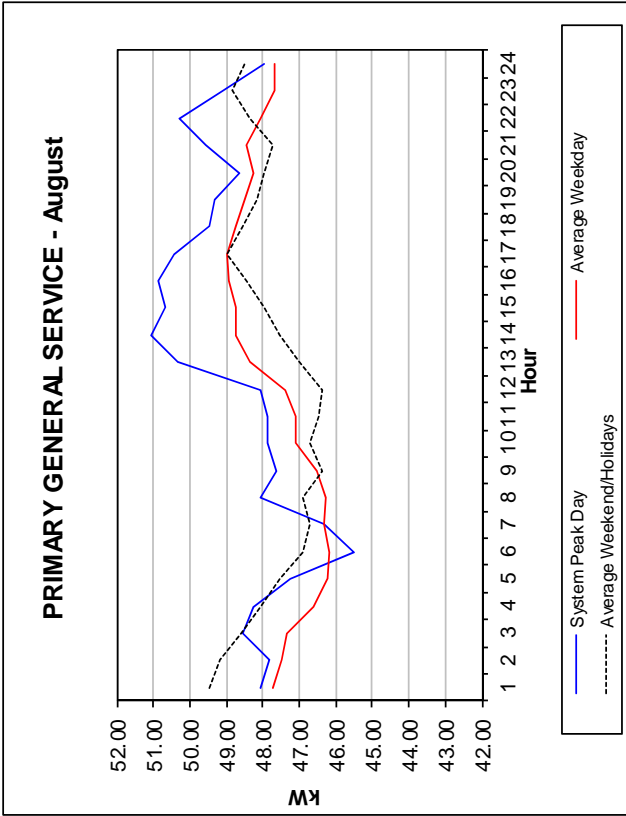


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TABLE E-1.8

Aug-17

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	48.0531	47.7281	49.4644
2	47.8453	47.4740	49.1614
3	48.5565	47.3322	48.6081
4	48.2402	46.6107	48.0684
5	47.2197	46.2352	47.5554
6	45.4941	46.1685	46.9027
7	46.3069	46.3273	46.7184
8	48.0572	46.2778	46.9051
9	47.6139	46.5161	46.3768
10	47.8822	47.0830	46.7091
11	47.8651	47.0937	46.4833
12	48.0852	47.3810	46.3616
13	50.3374	48.3386	47.0049
14	51.0427	48.7419	47.5314
15	50.6617	48.7162	47.9450
16	50.8416	48.9505	48.4357
17	50.4465	48.9746	48.9705
18	49.4868	48.7228	48.5427
19	49.3406	48.5120	48.1775
20	48.6408	48.2503	47.9518
21	49.5570	48.4418	47.7426
22	50.2611	48.0739	48.3472
23	49.0791	47.6928	48.8402
24	47.9515	47.6937	48.5144



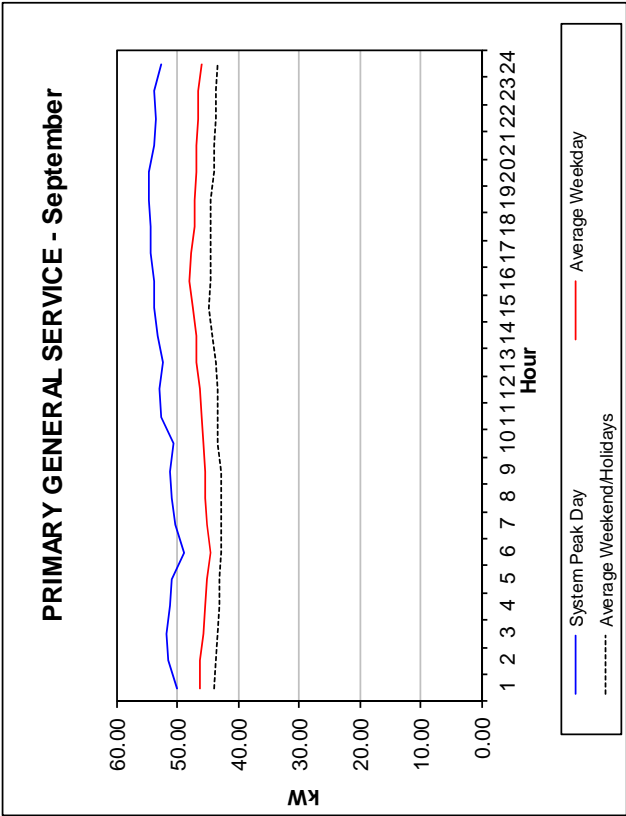
Southwestern Public Service Company

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TABLE E-1.9

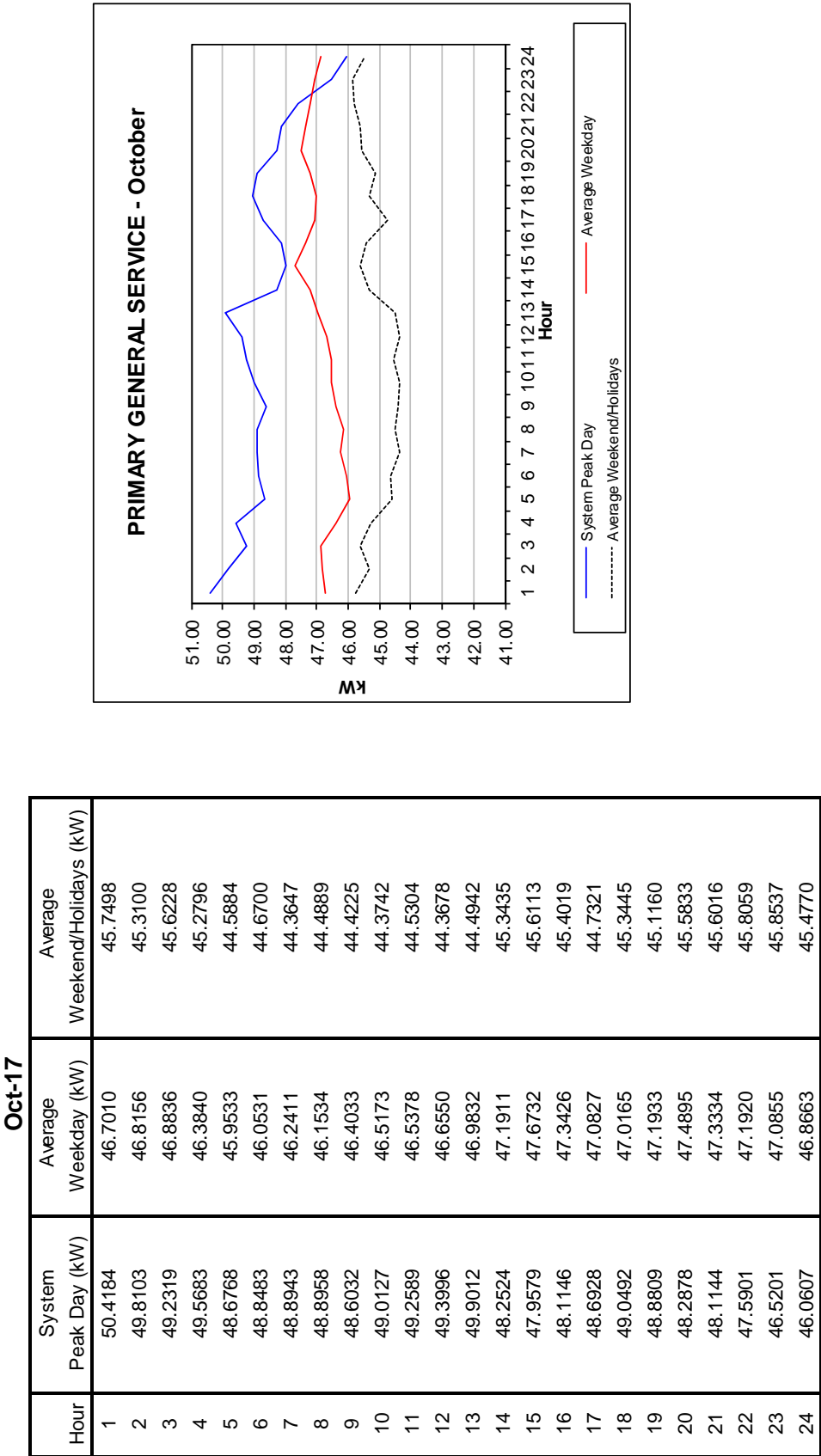
Sep-17

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	49.8998	46.1653	43.7966
2	51.4798	46.1260	43.6000
3	51.6293	45.7700	43.3941
4	51.2079	45.2584	43.1488
5	50.7714	44.9313	42.9806
6	48.9203	44.6169	42.8683
7	50.1782	44.9712	42.7927
8	50.9310	45.4956	42.8790
9	51.0867	45.4145	42.6969
10	50.4577	45.6586	43.2149
11	52.6826	46.0807	43.3194
12	52.8860	46.1818	43.2433
13	52.4315	46.8209	43.6631
14	53.1515	46.9402	44.3478
15	53.8042	47.4092	44.8312
16	53.7338	47.8687	44.5521
17	54.4579	47.5671	44.5019
18	54.2554	47.2387	44.3980
19	54.5801	47.1537	44.4325
20	54.7496	46.7724	43.8344
21	53.7436	46.6886	44.0135
22	53.5597	46.4671	43.6647
23	53.7337	46.4858	43.5149
24	52.5085	45.9701	43.3231



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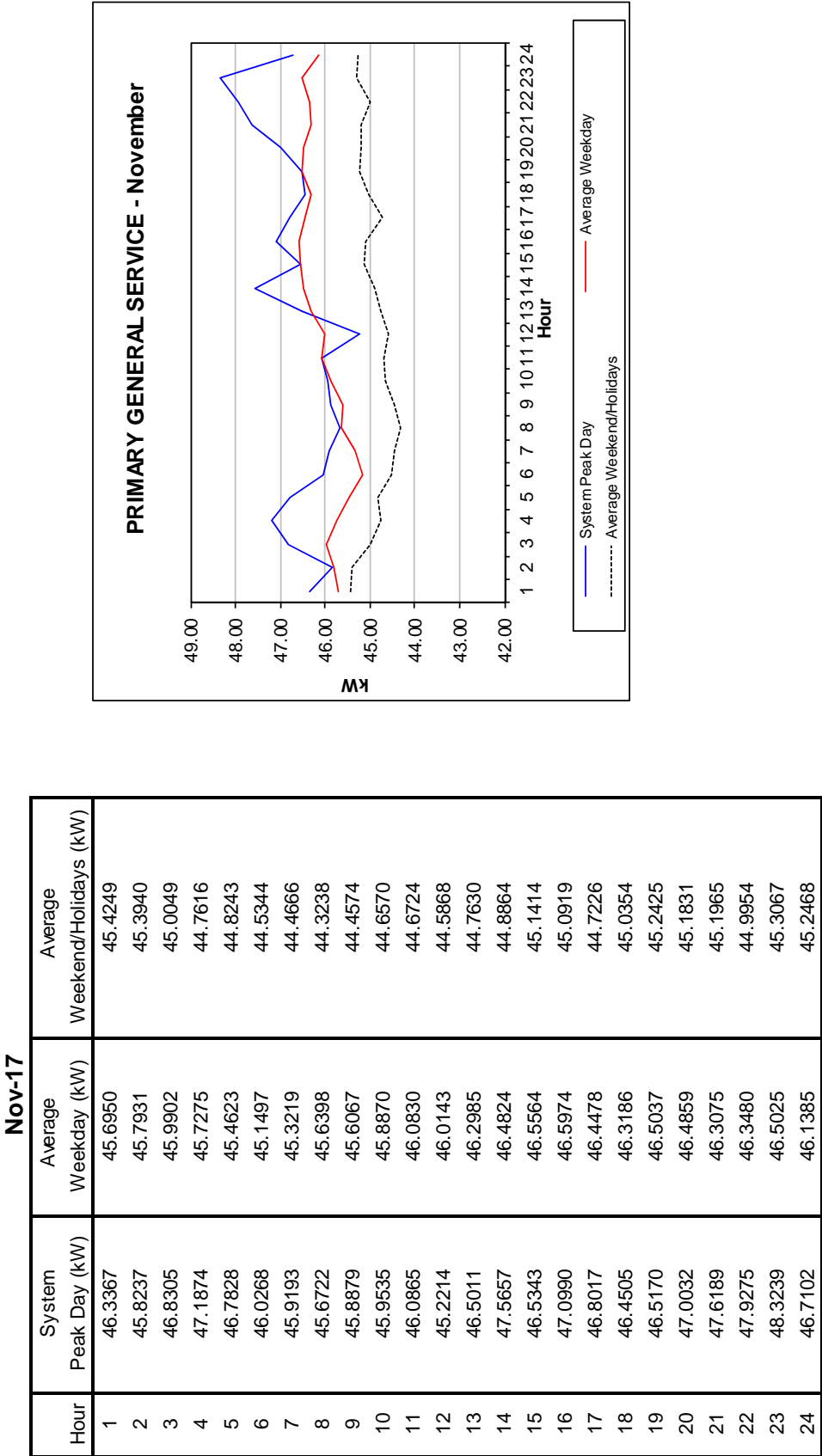
TABLE E-1.10



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Hourly Load Profiles

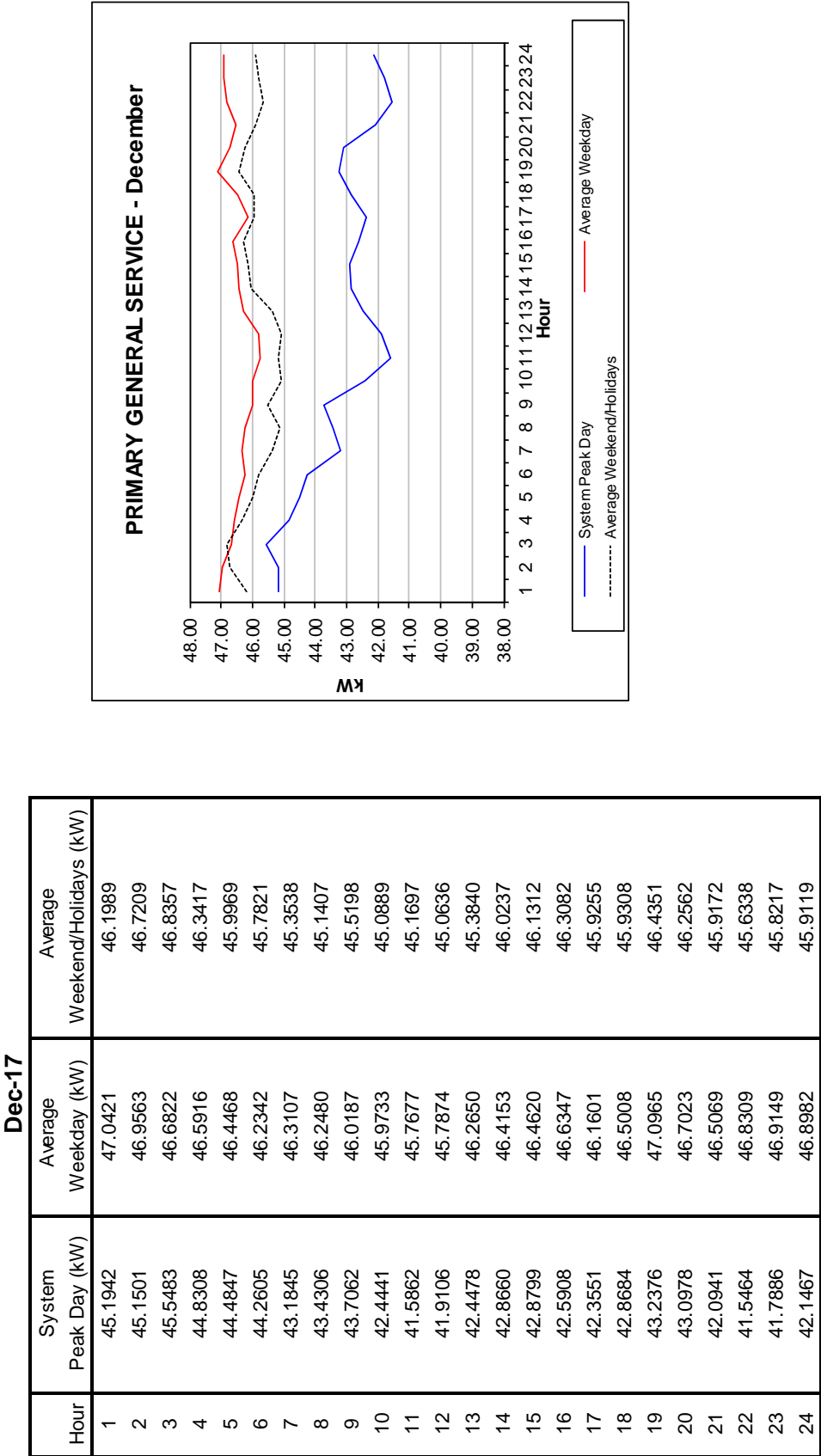
TABLE E-1.11



Southwestern Public Service Company

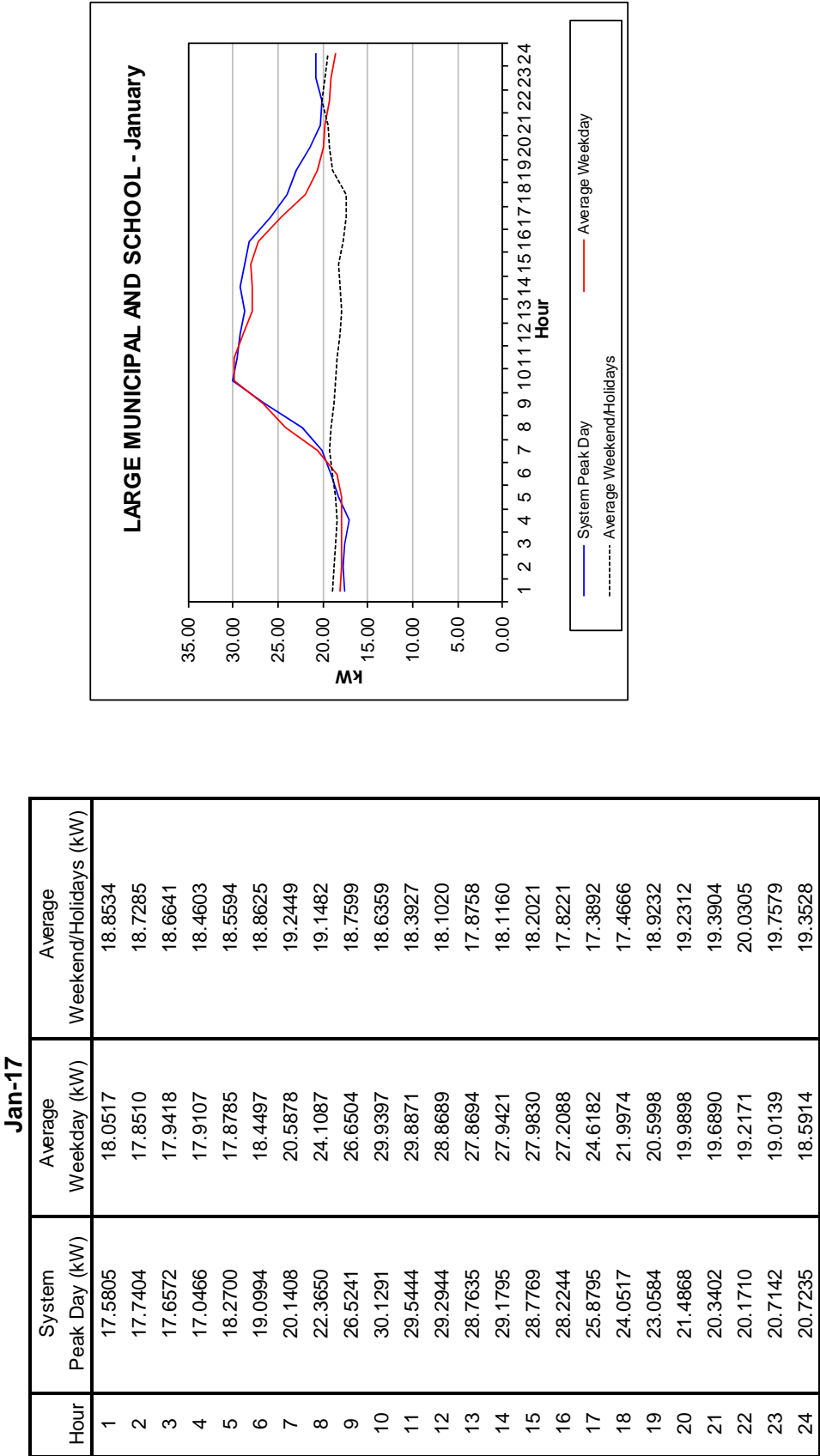
Hourly Load Profiles

TABLE E-1.12



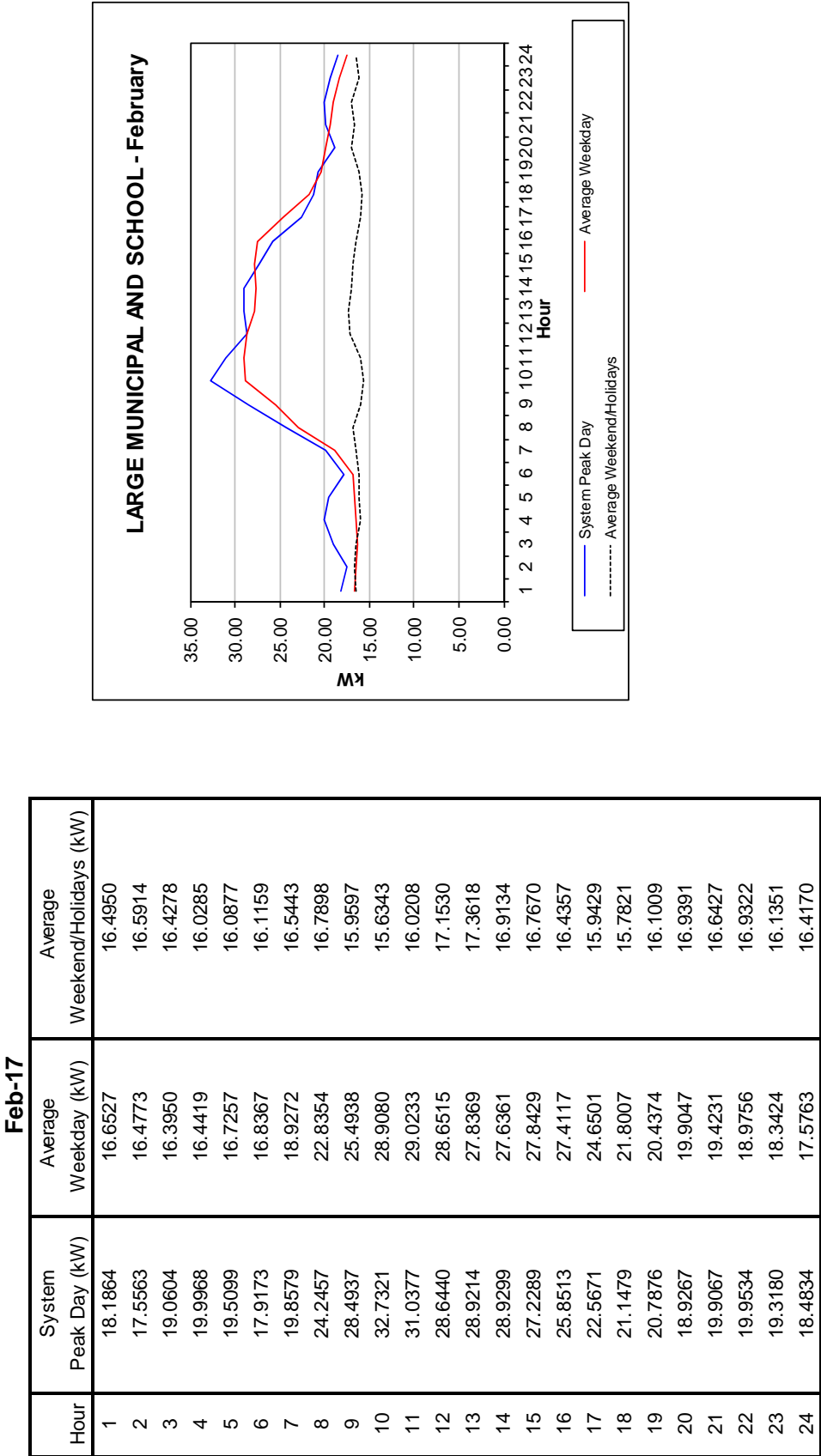
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-2.1



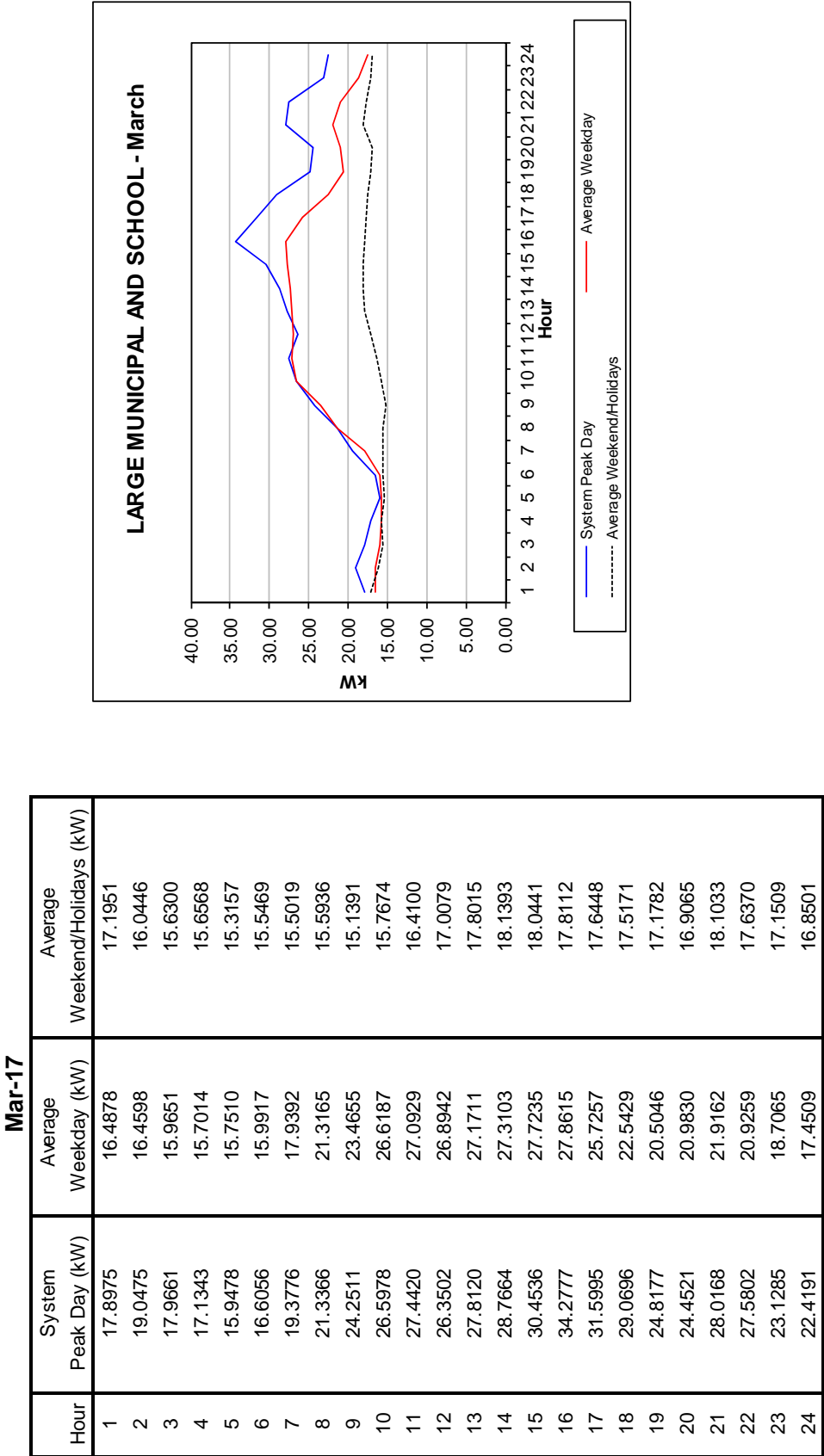
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Hourly Load Profiles

TABLE E-2.2



Southwestern Public Service Company  
Hourly Load Profiles

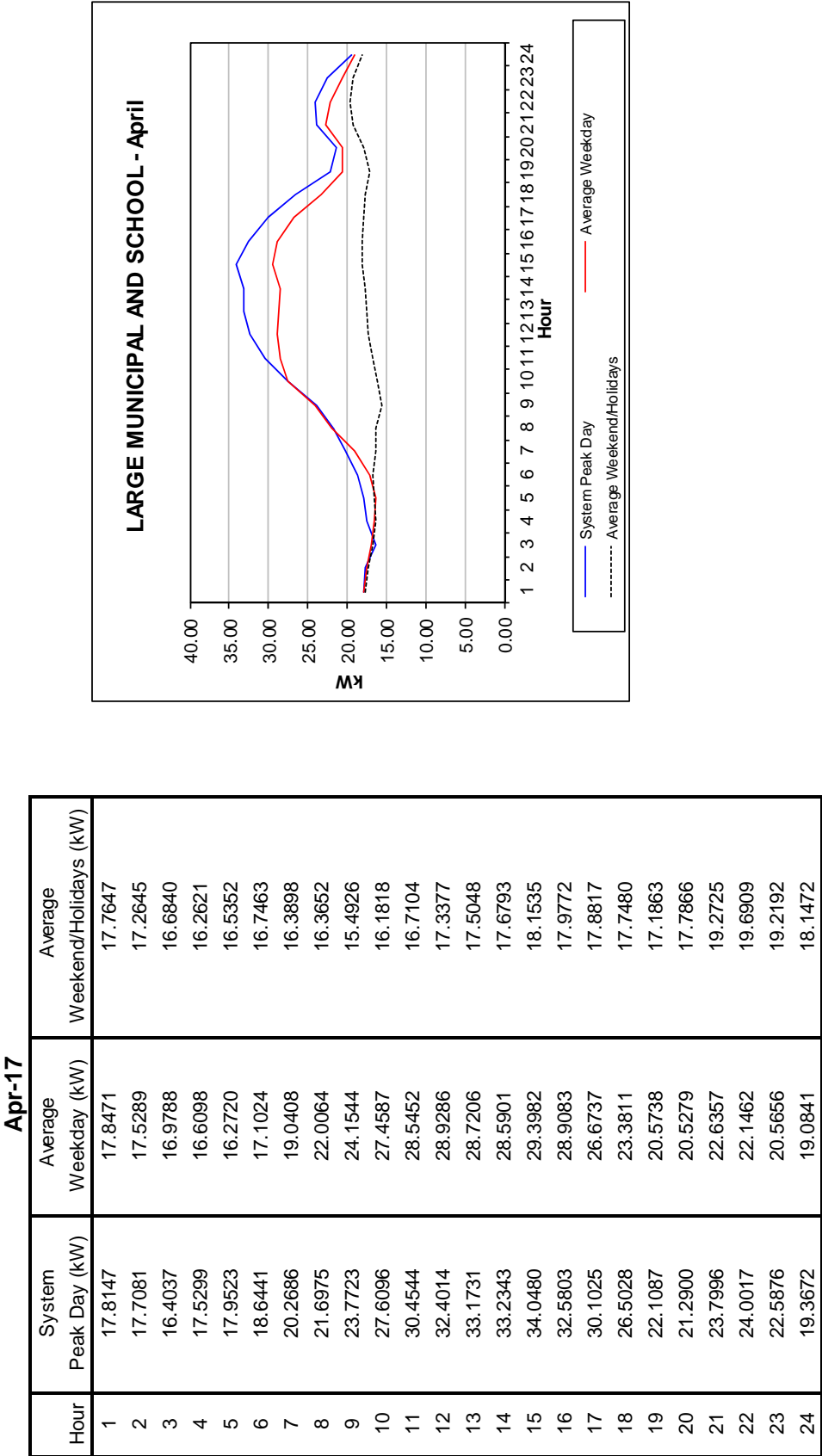
TABLE E-2.3





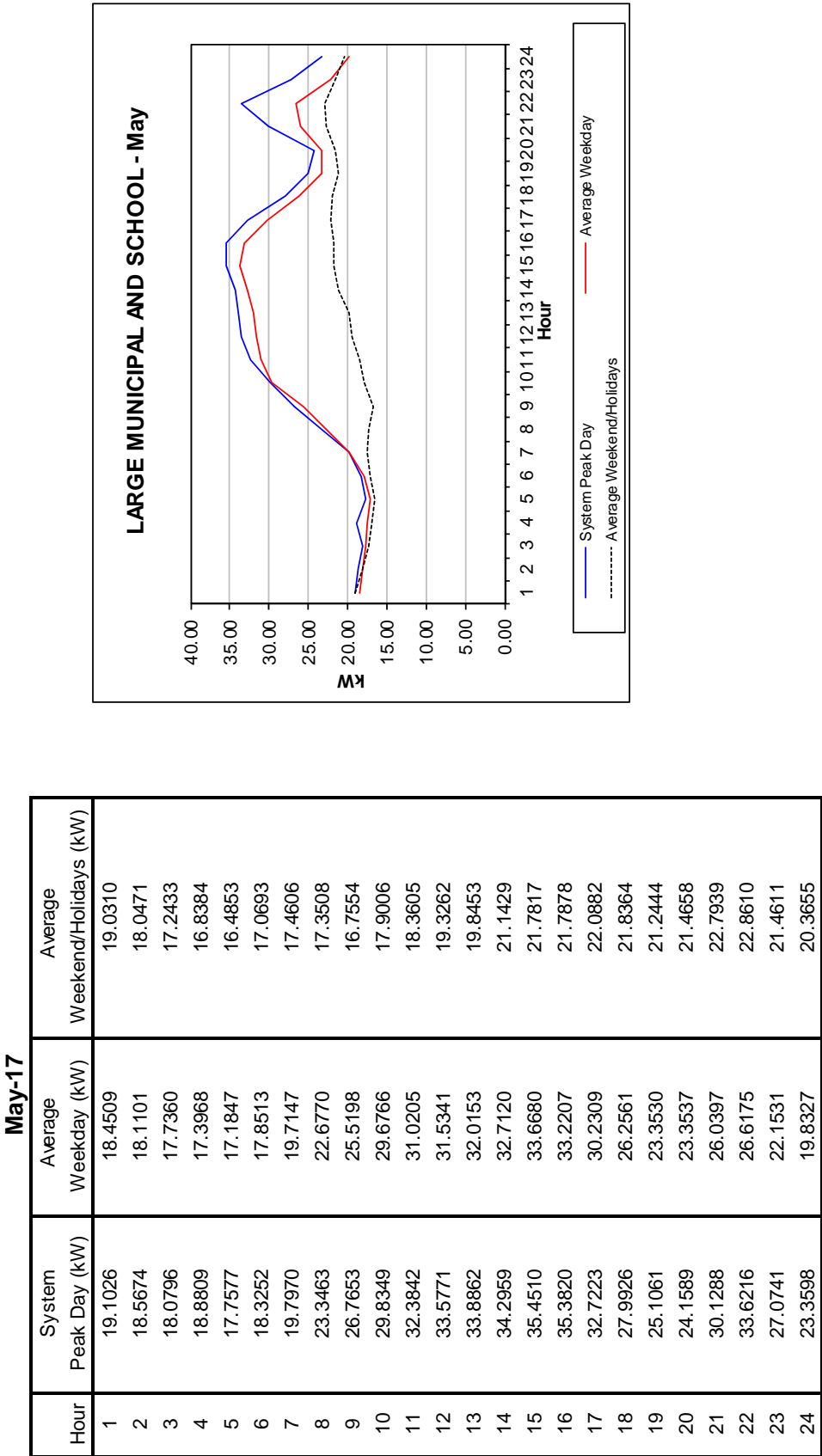
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-2.4



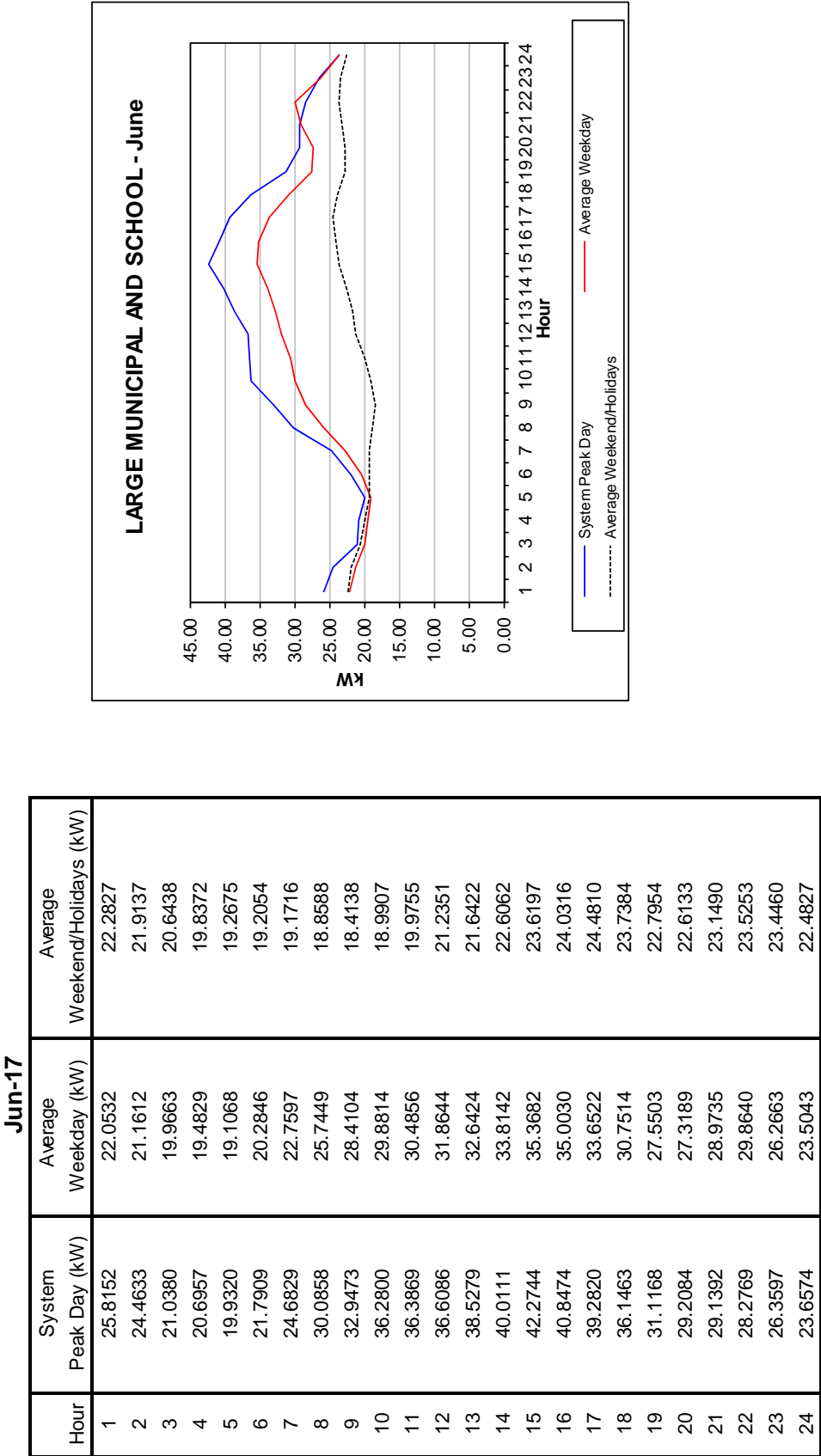
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-2.5



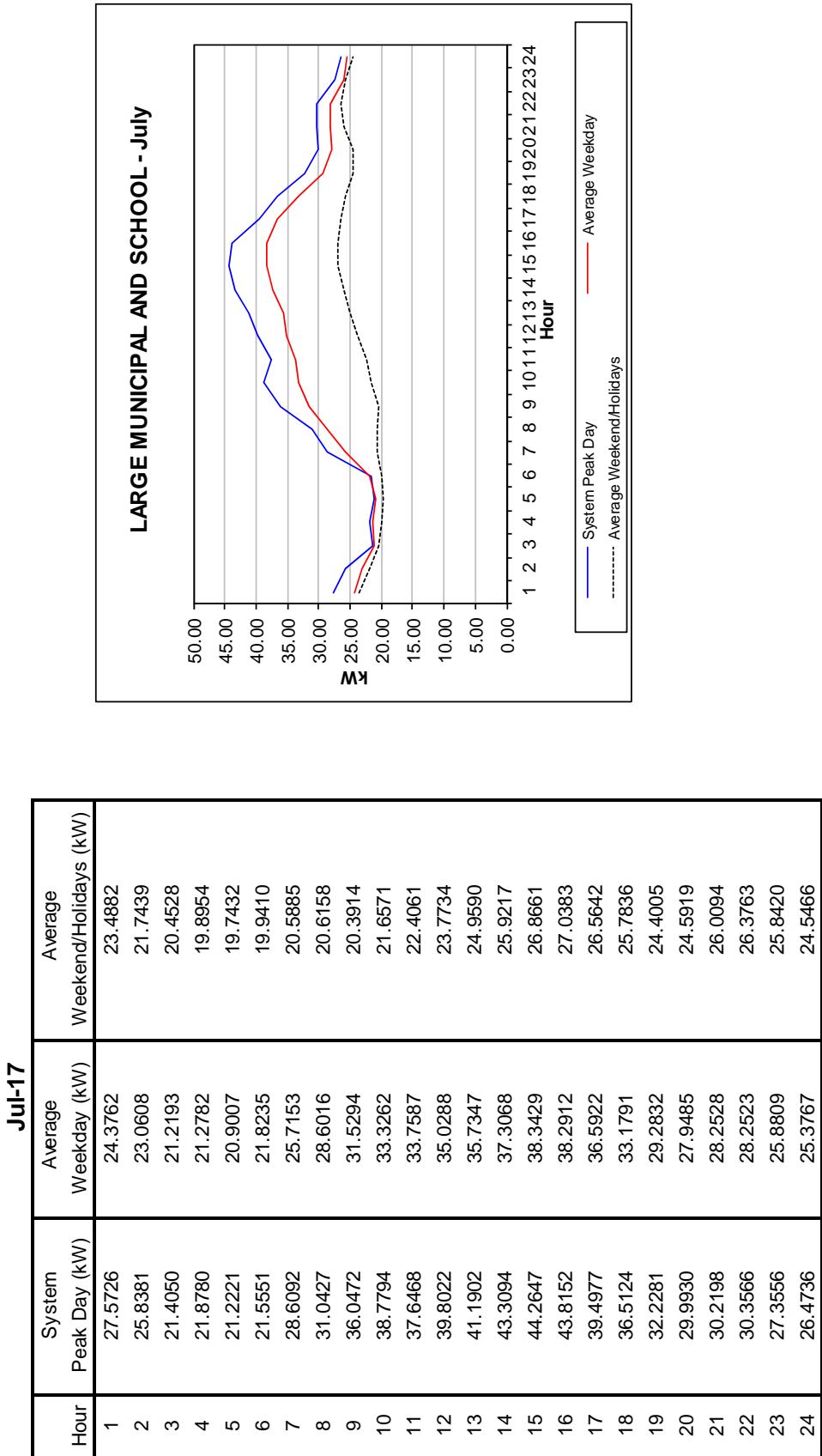
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-2.6



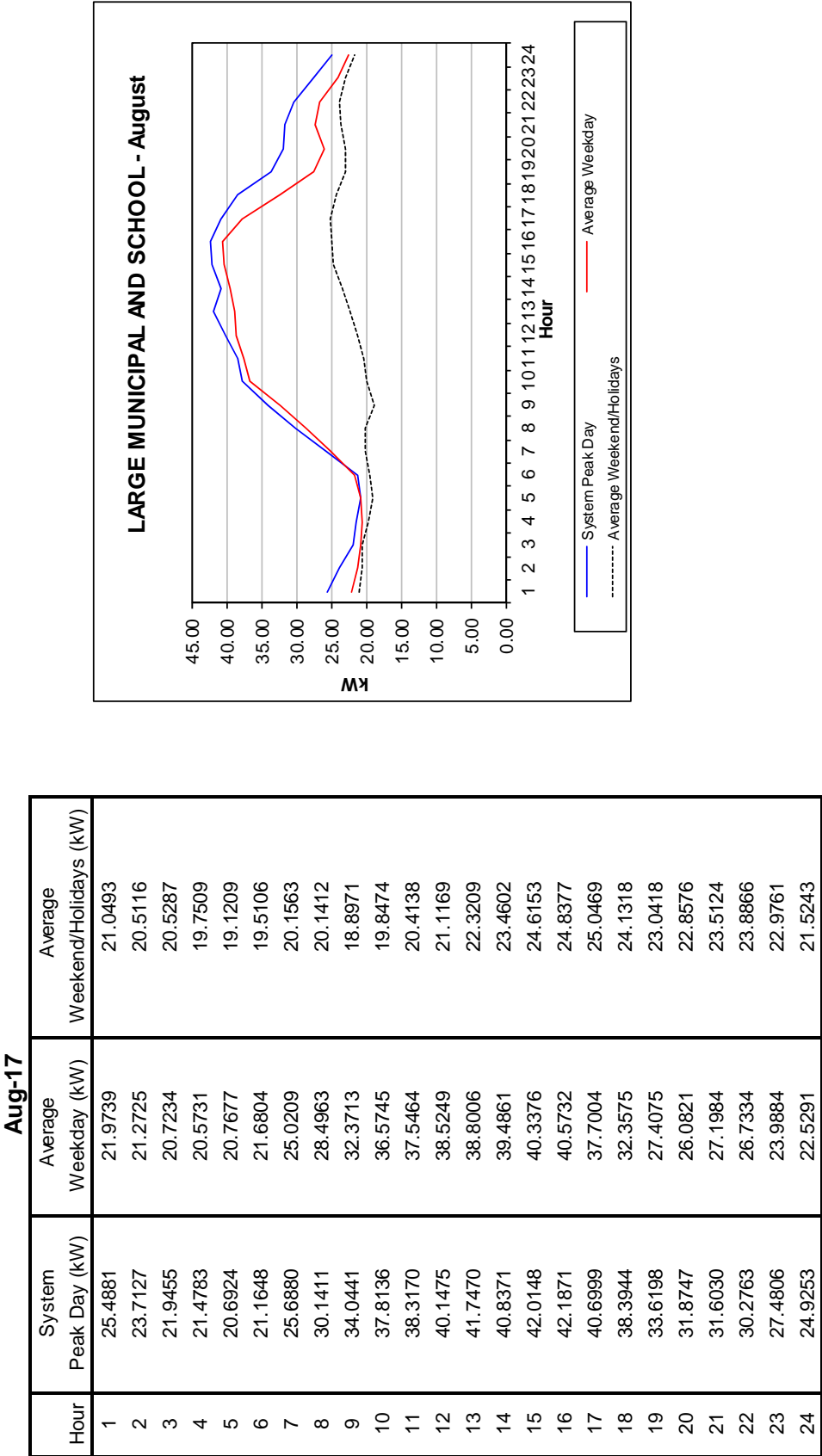
## Southwestern Public Service Company Hourly Load Profiles

**TABLE E-2.7**



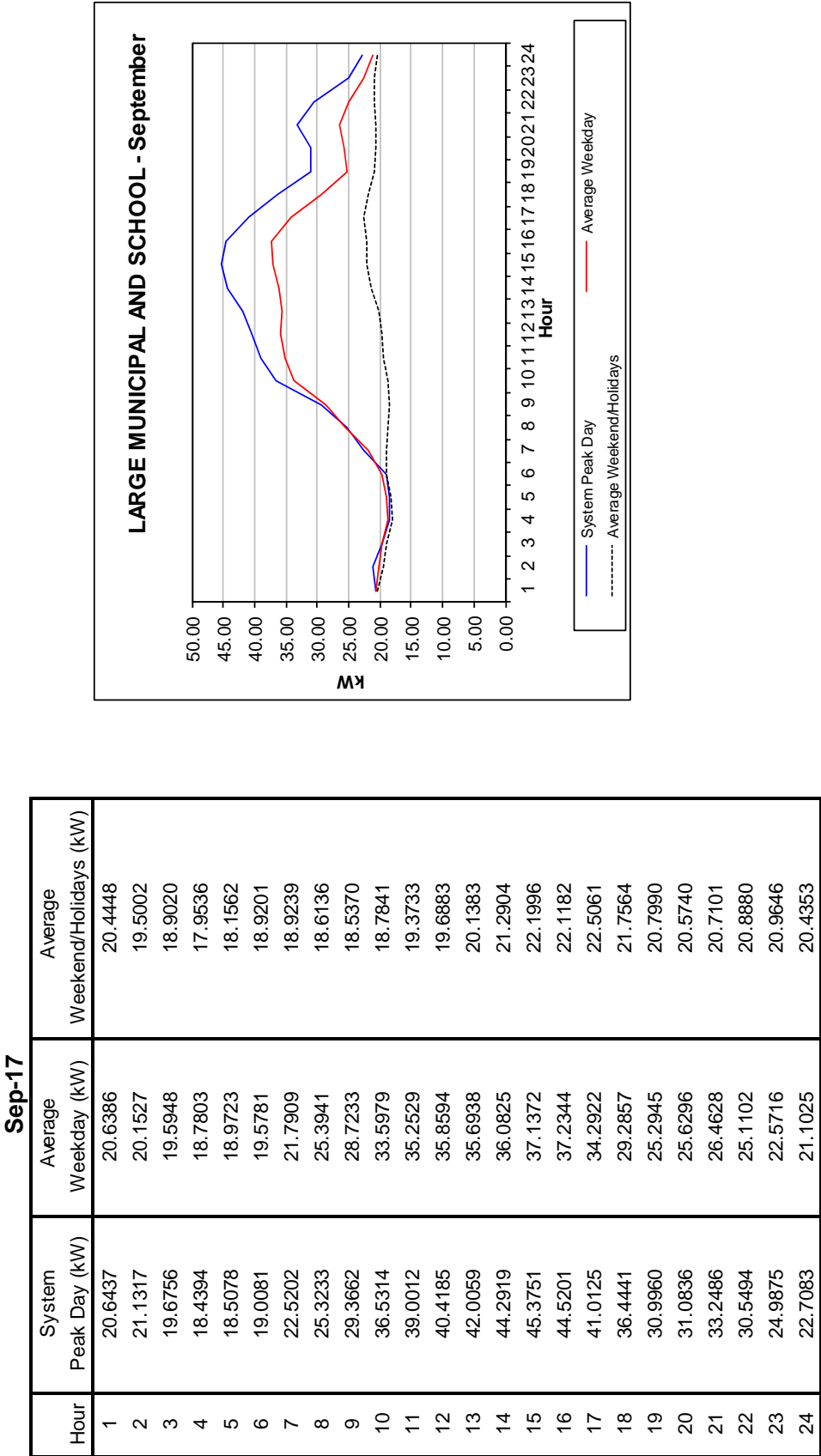
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-2.8



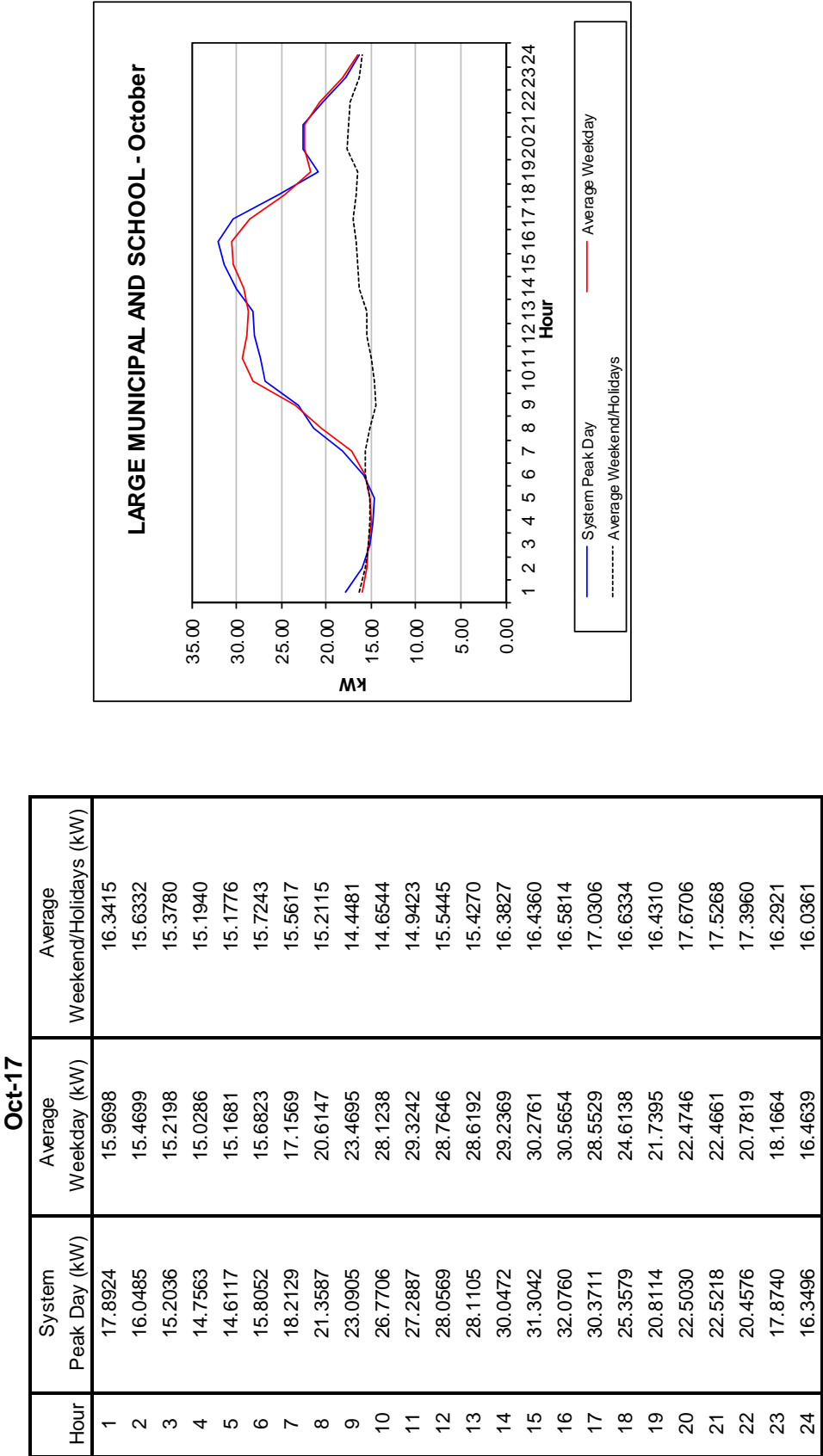
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Hourly Load Profiles

TABLE E-2.9



Southwestern Public Service Company  
Hourly Load Profiles

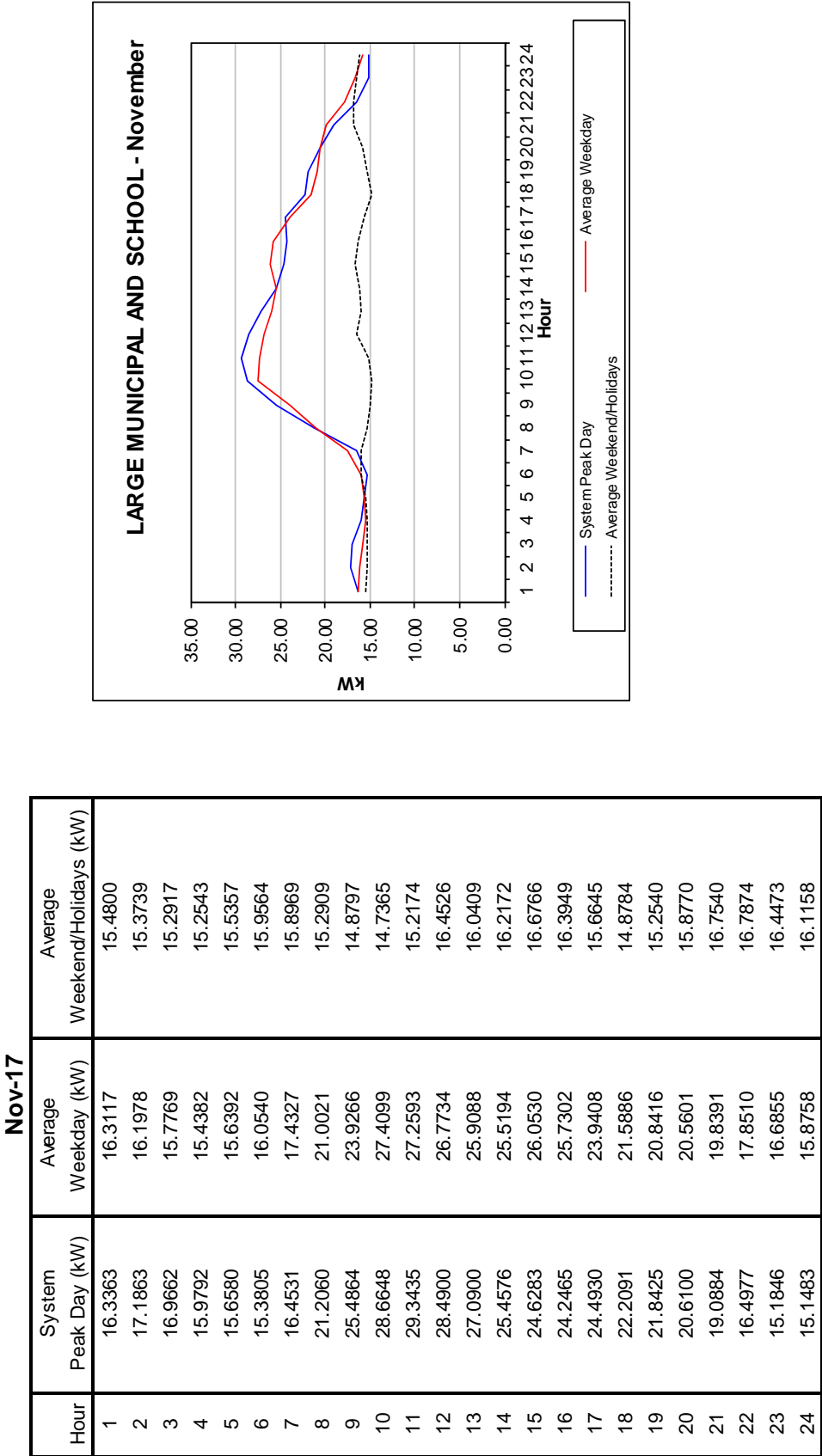
TABLE E-2.10



Southwestern Public Service Company

Hourly Load Profiles

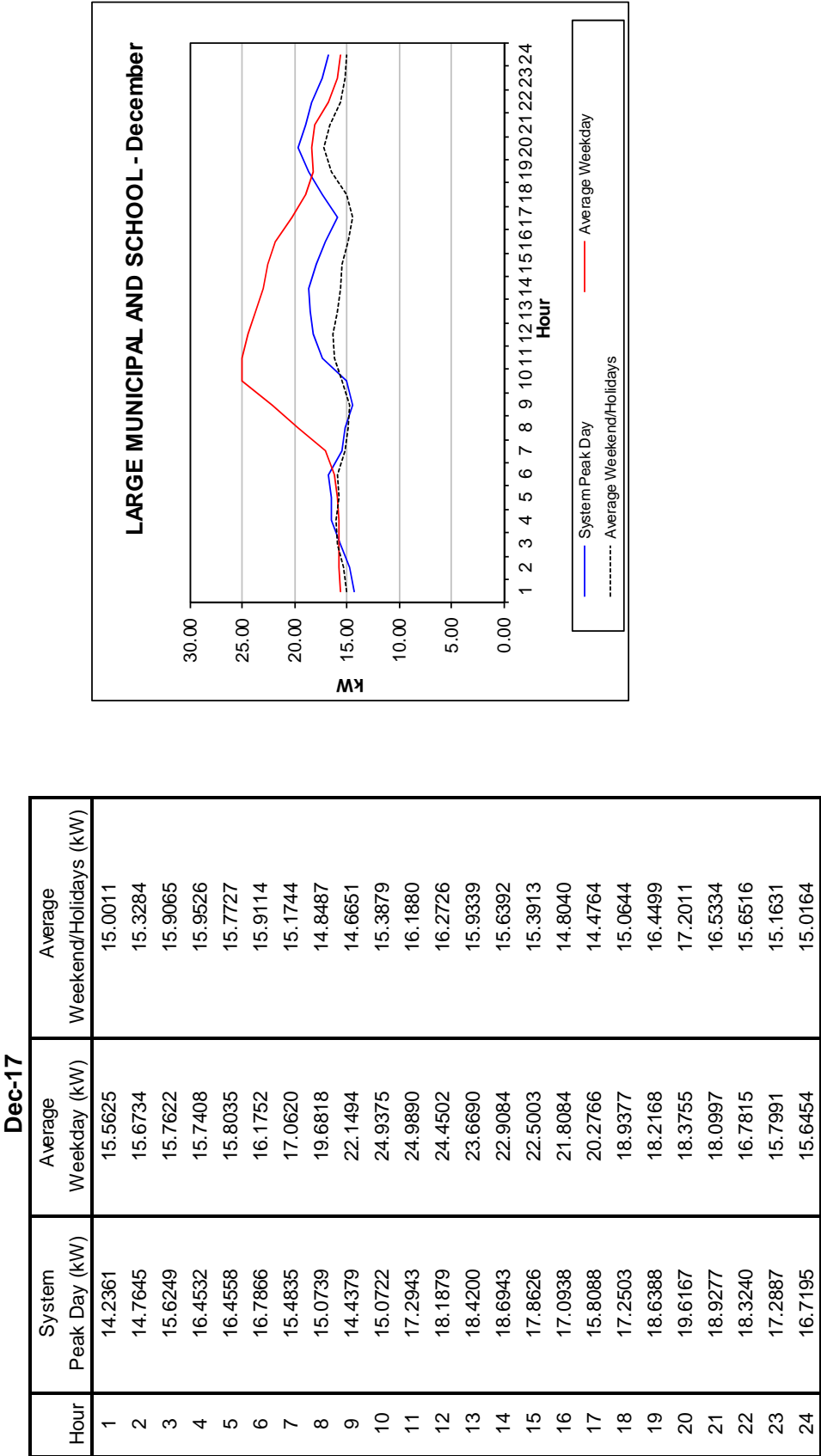
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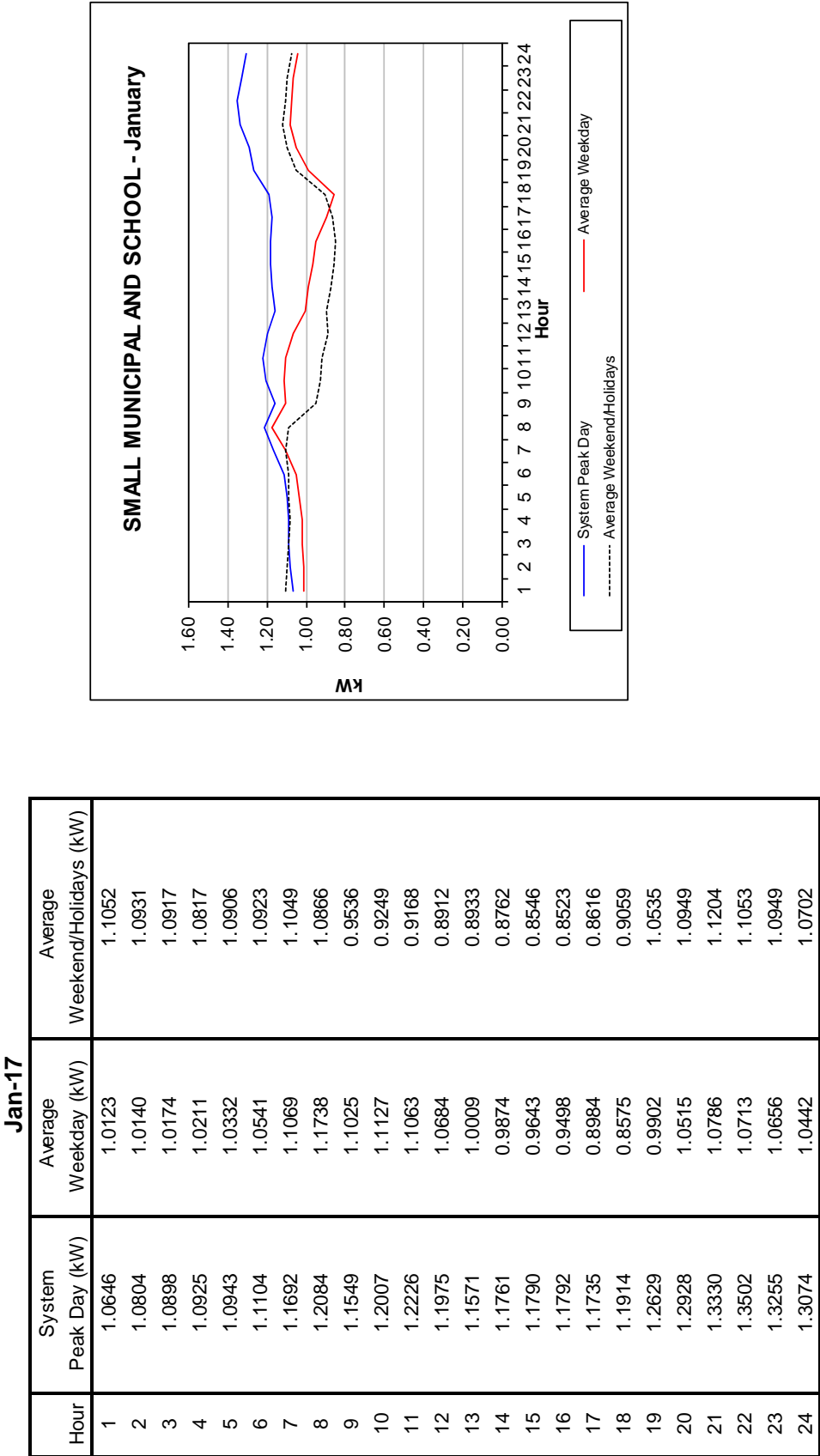
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-2.12



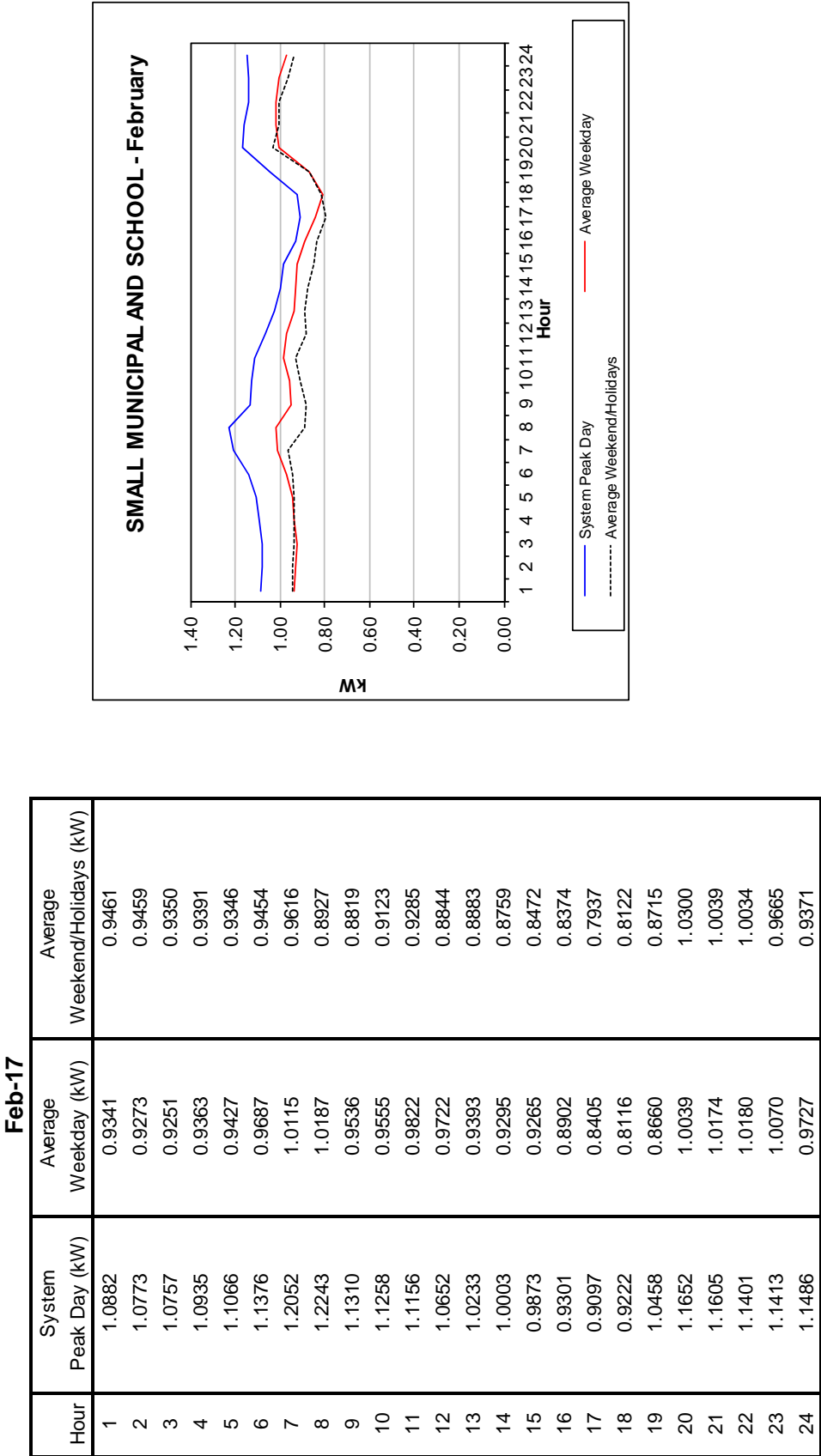
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-3.1



Southwestern Public Service Company  
Hourly Load Profiles

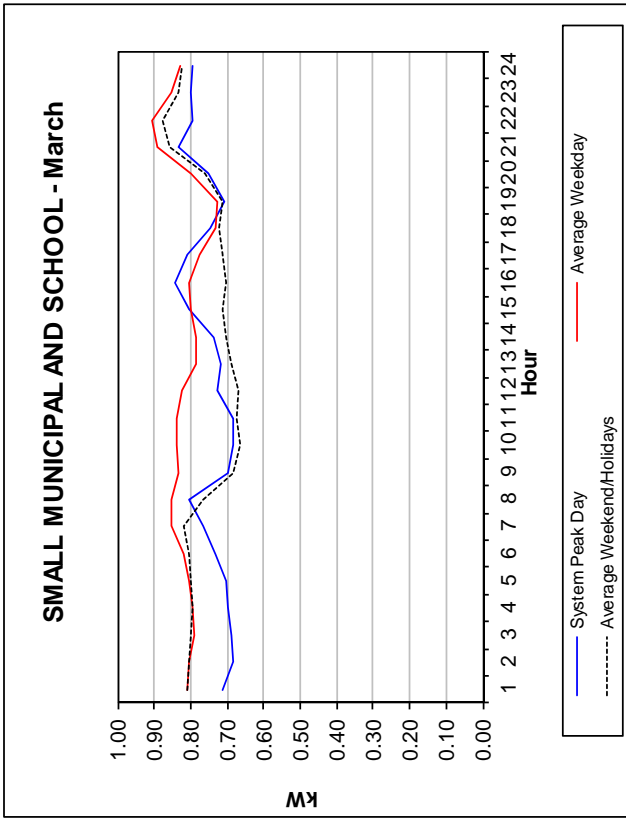
TABLE E-3.2



## Southwestern Public Service Company Hourly Load Profiles

### TABLE E-3.3

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	0.7128	0.8071	0.8116
2	0.6833	0.8068	0.8049
3	0.6893	0.7896	0.7975
4	0.6986	0.7951	0.7952
5	0.7013	0.8035	0.7989
6	0.7340	0.8212	0.8042
7	0.7637	0.8536	0.8205
8	0.8063	0.8540	0.7645
9	0.6962	0.8330	0.6844
10	0.6817	0.8378	0.6645
11	0.6812	0.8373	0.6749
12	0.7286	0.8233	0.6708
13	0.7170	0.7869	0.6883
14	0.7366	0.7866	0.7041
15	0.8031	0.8005	0.7112
16	0.8444	0.8059	0.7031
17	0.8086	0.7736	0.7138
18	0.7463	0.7306	0.7229
19	0.7087	0.7257	0.7102
20	0.7512	0.7975	0.7629
21	0.8336	0.8892	0.8587
22	0.7932	0.9056	0.8751
23	0.7988	0.8523	0.8323
24	0.7928	0.8281	0.8215

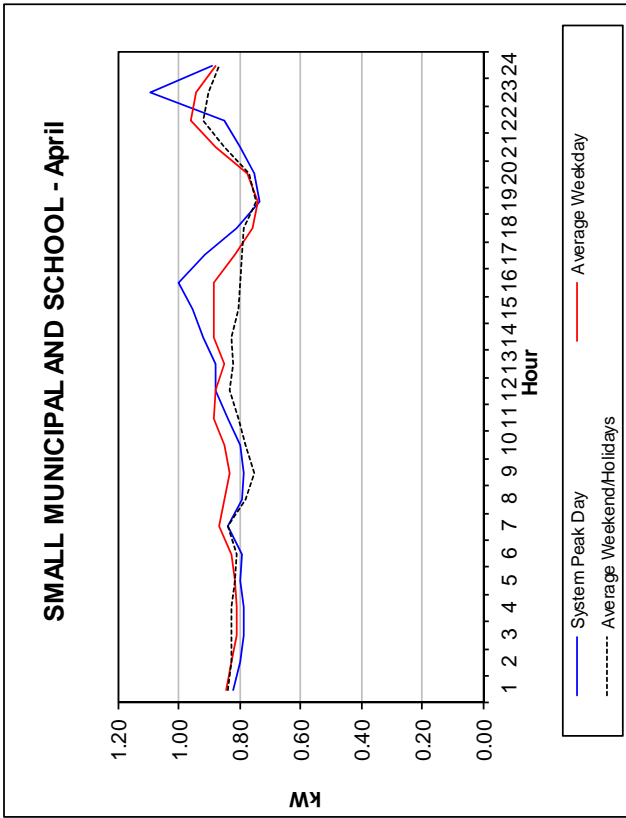


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## Hourly Load Profiles

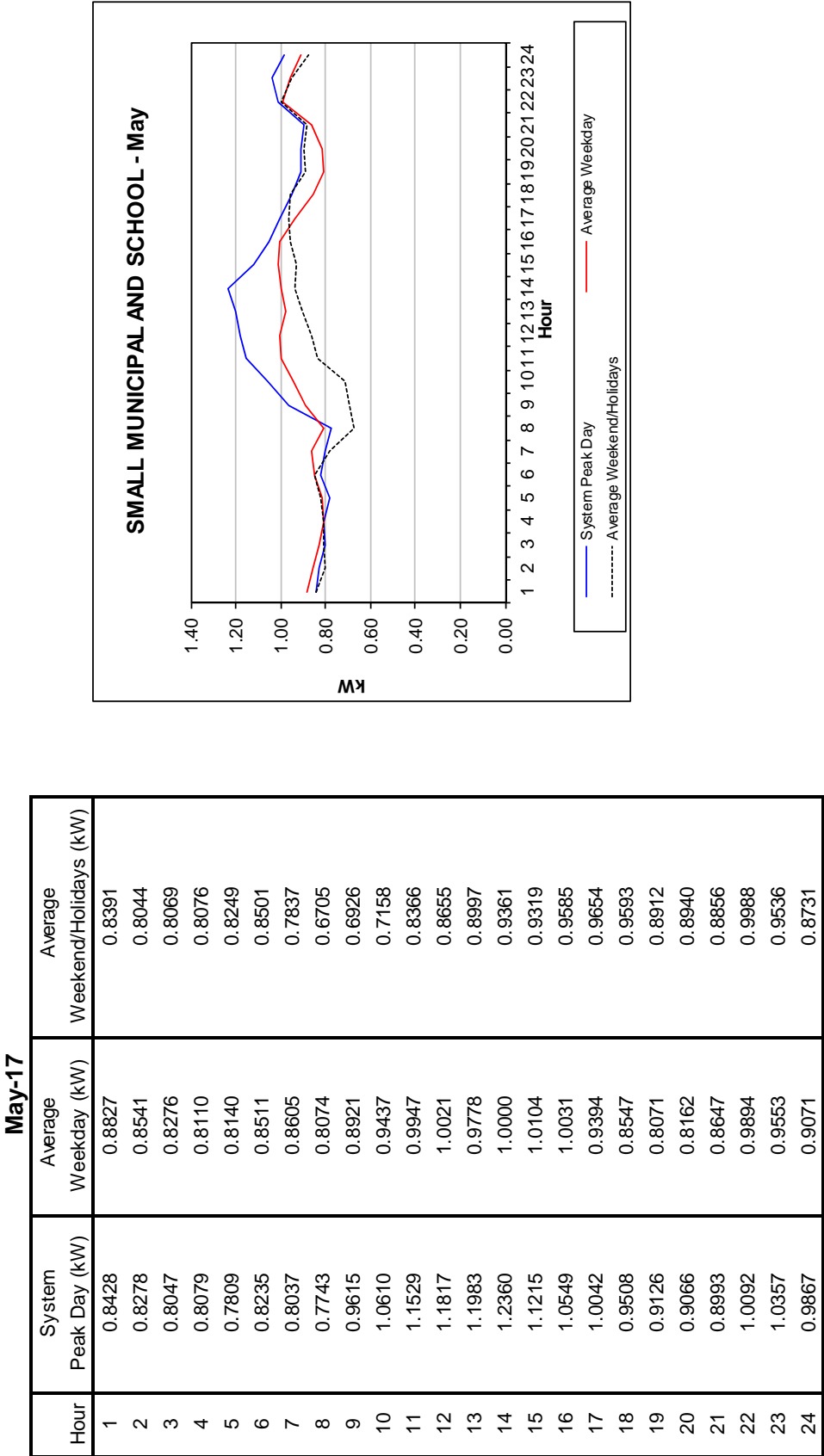
### TABLE E-3.4

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	0.8178	0.8430	0.8356
2	0.7973	0.8243	0.8284
3	0.7872	0.8080	0.8248
4	0.7879	0.8109	0.8253
5	0.7959	0.8140	0.8130
6	0.7909	0.8265	0.8089
7	0.8384	0.8672	0.8361
8	0.7929	0.8473	0.7769
9	0.7840	0.8311	0.7525
10	0.7981	0.8508	0.7823
11	0.8369	0.8828	0.8028
12	0.8800	0.8761	0.8329
13	0.8810	0.8485	0.8221
14	0.9170	0.8866	0.8240
15	0.9516	0.8847	0.8048
16	0.9999	0.8814	0.7944
17	0.9128	0.8141	0.7927
18	0.8068	0.7543	0.7884
19	0.7318	0.7385	0.7445
20	0.7491	0.7720	0.7683
21	0.7960	0.8764	0.8506
22	0.8510	0.9578	0.9166
23	1.0939	0.9415	0.9000
24	0.8897	0.8811	0.8642



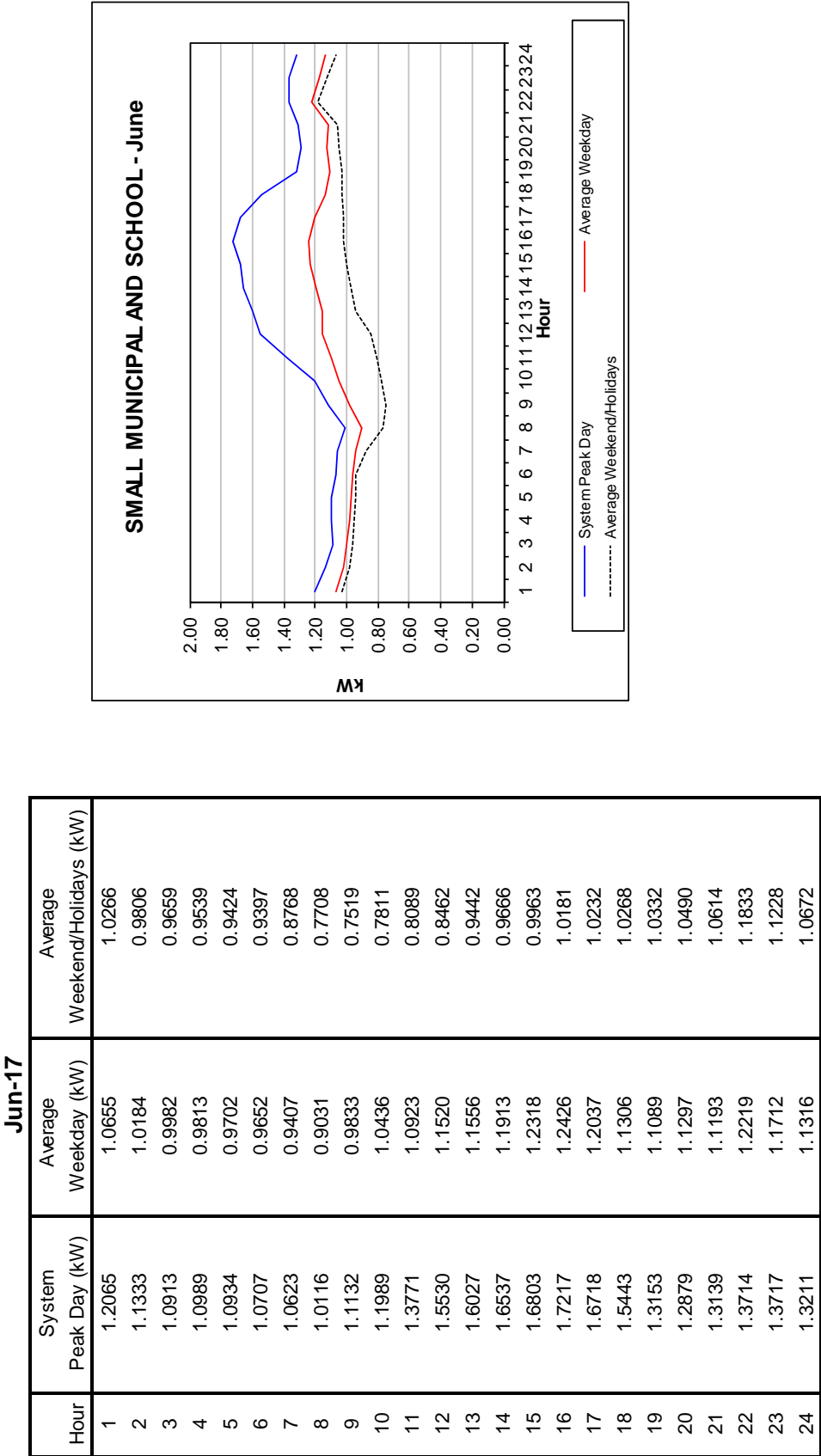
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-3.5



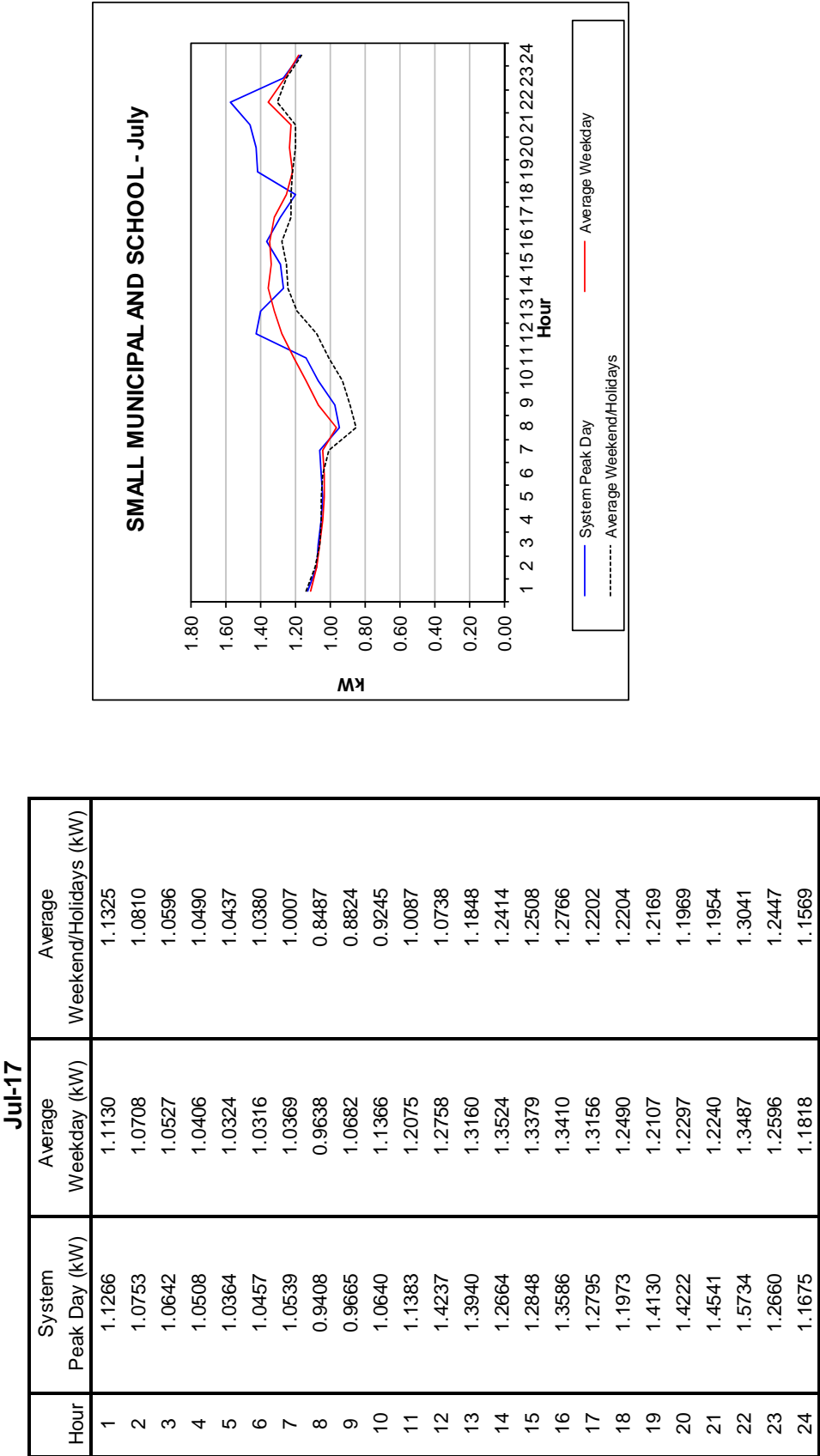
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-3.6



Southwestern Public Service Company  
Hourly Load Profiles

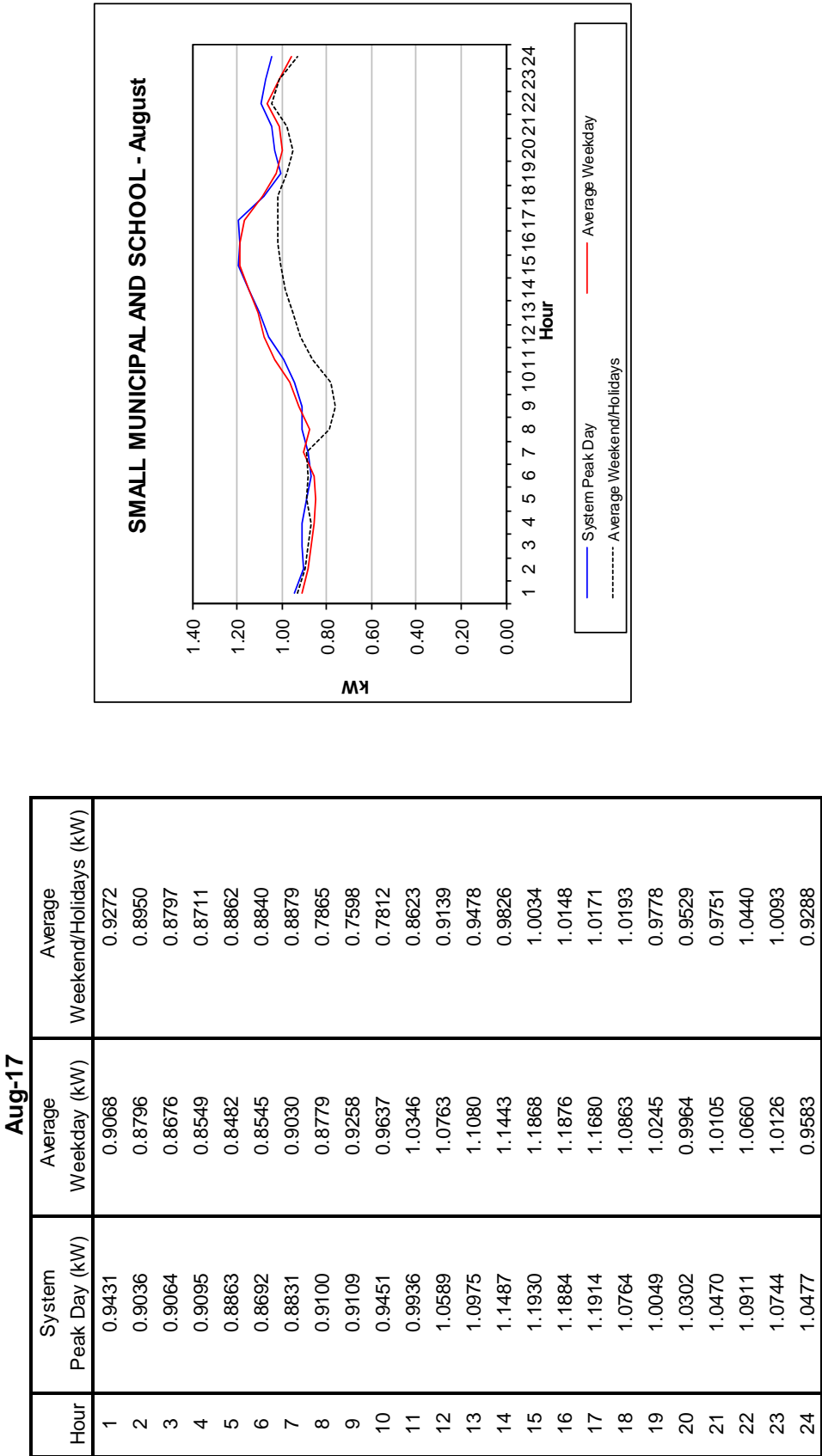
TABLE E-3.7





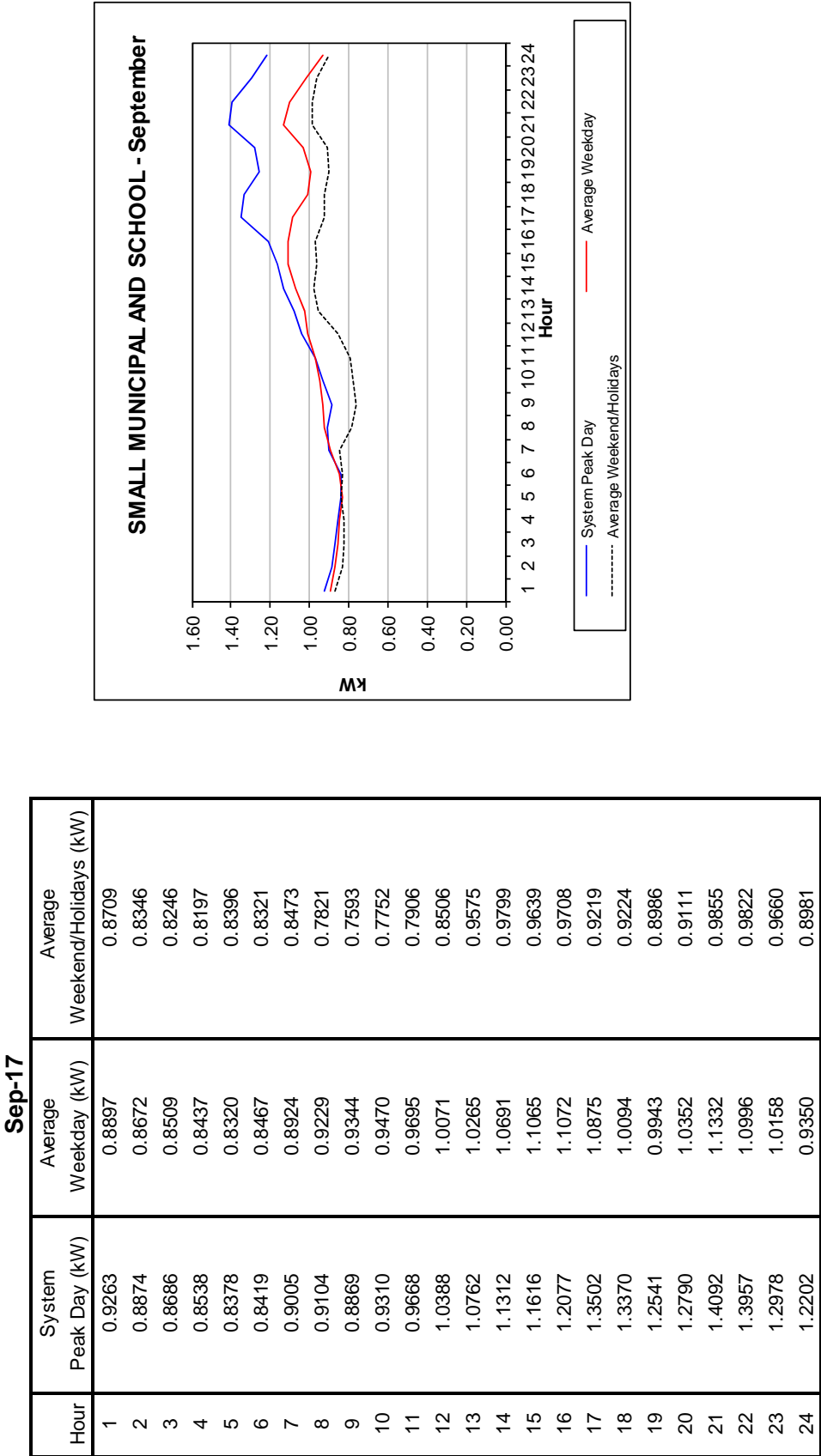
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-3.8



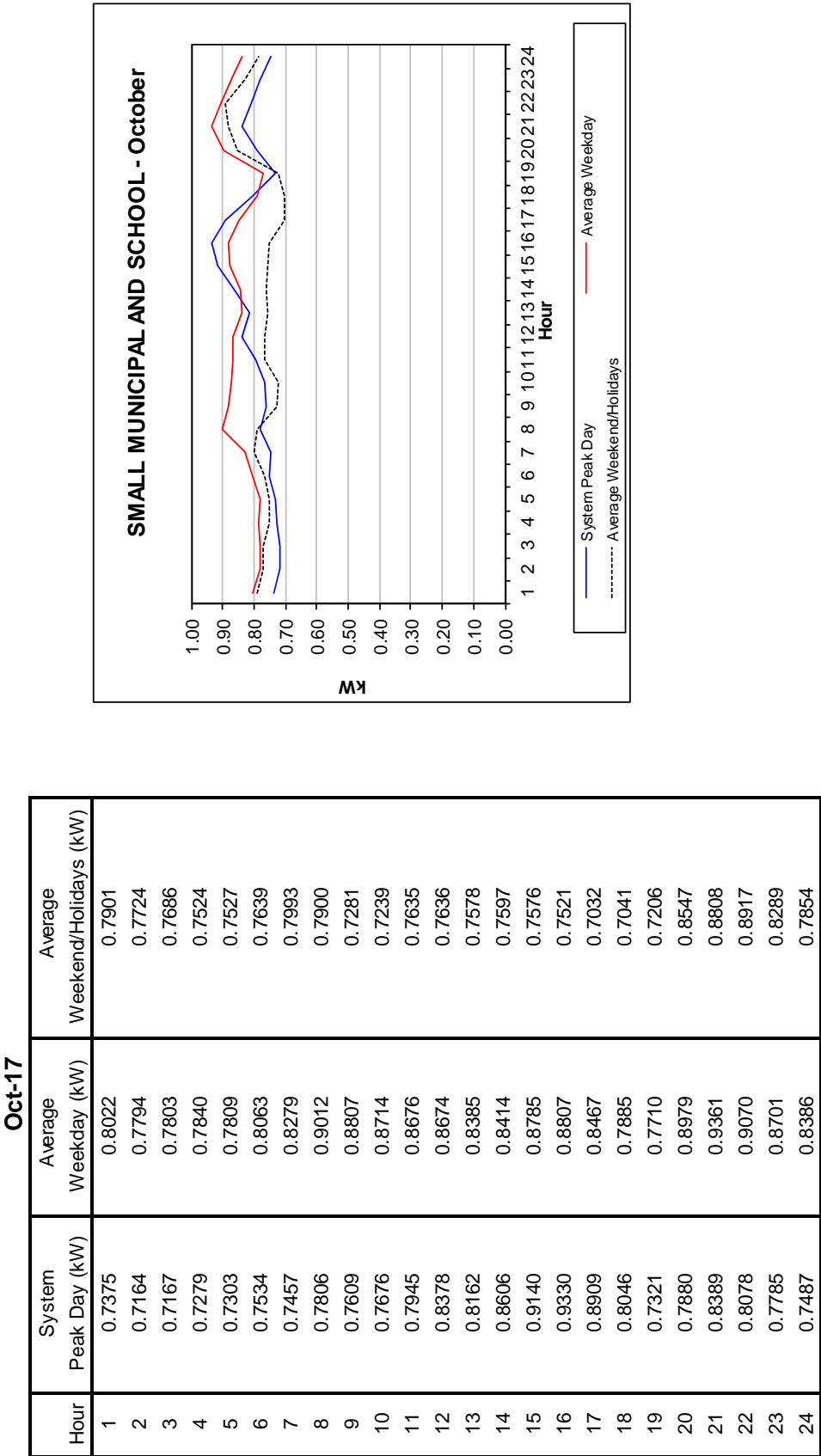
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-3.9



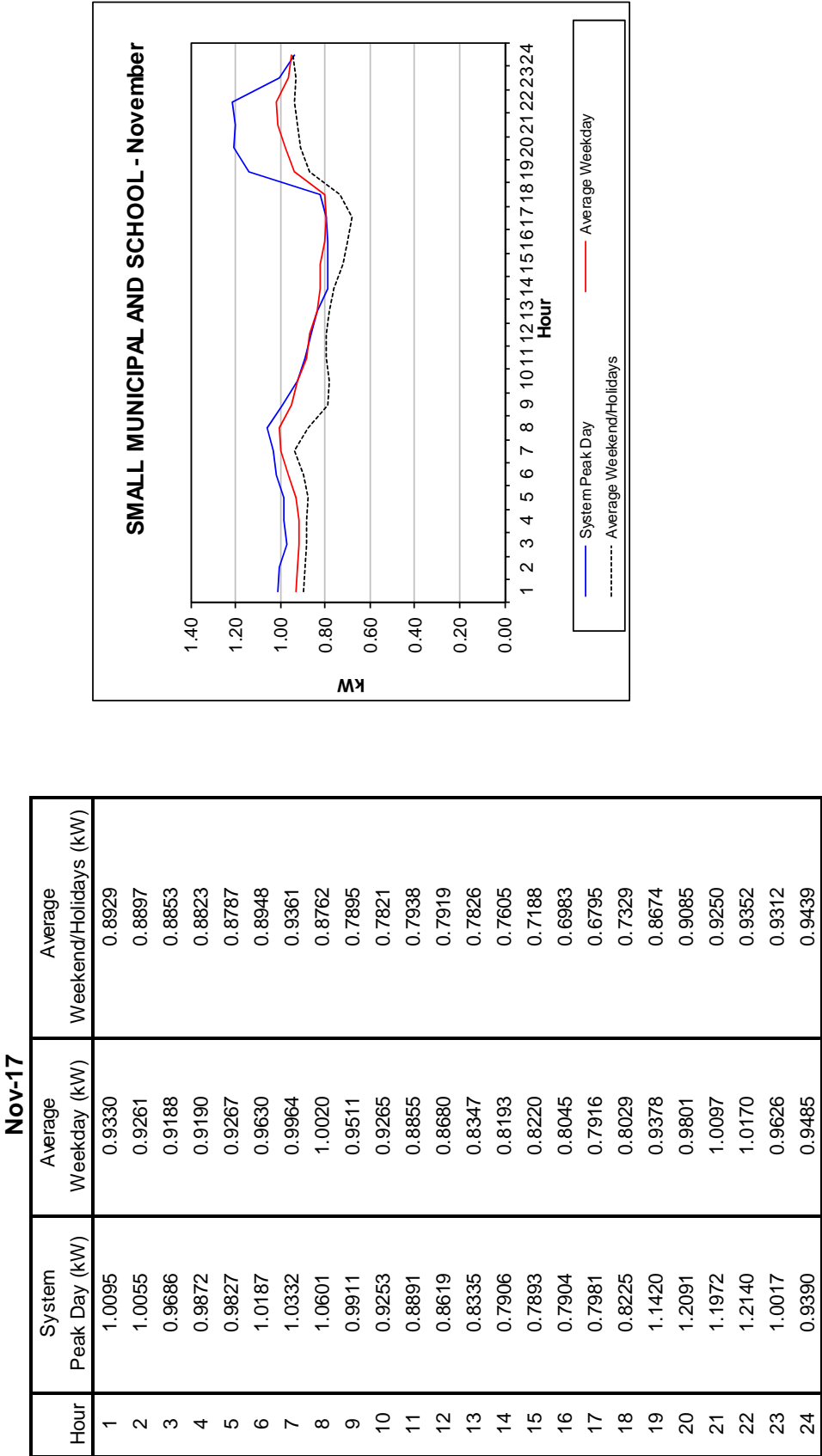
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-3.10



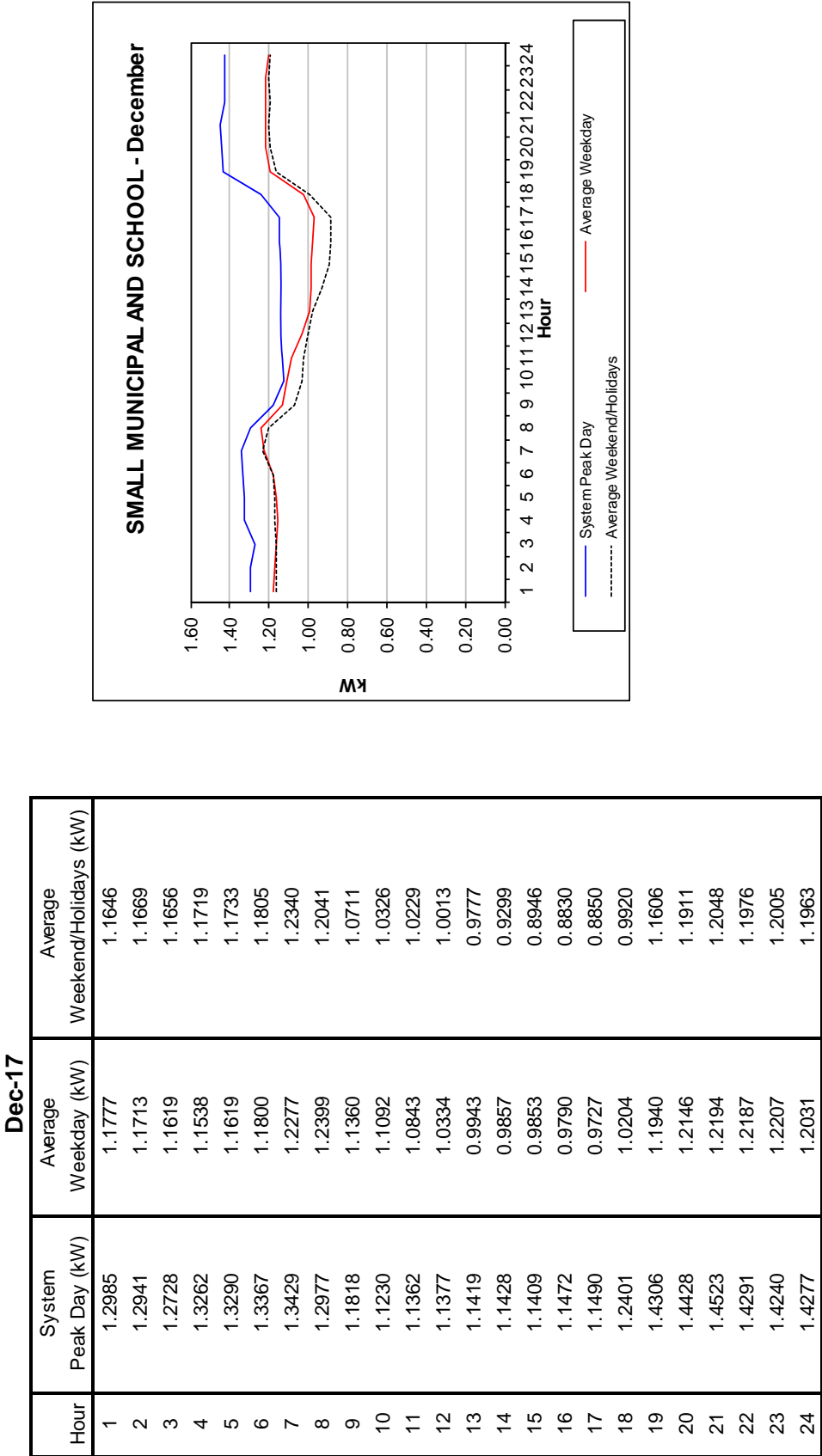
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-3.11



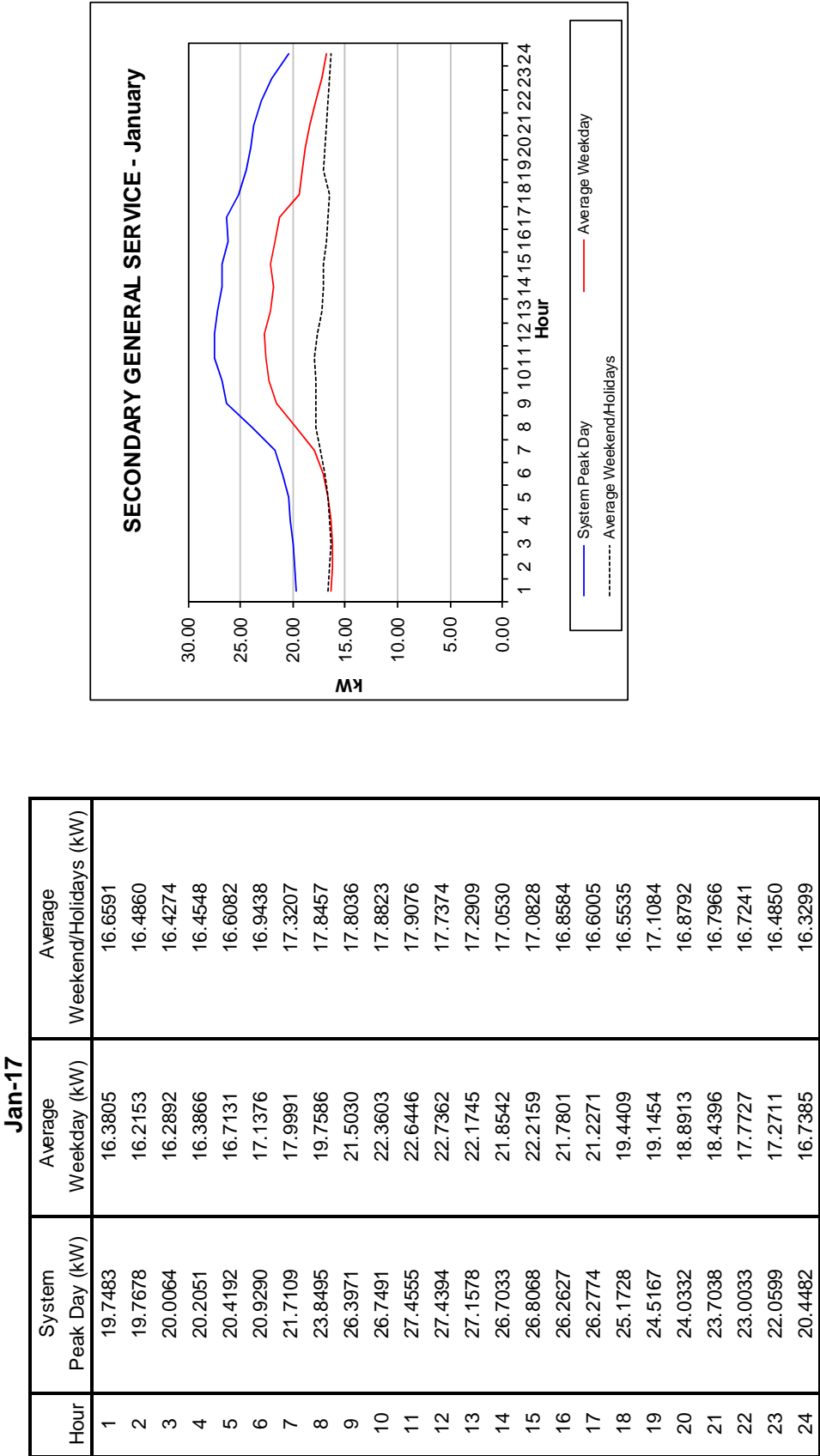
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Hourly Load Profiles

TABLE E-3.12



Southwestern Public Service Company  
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TABLE E-4.1

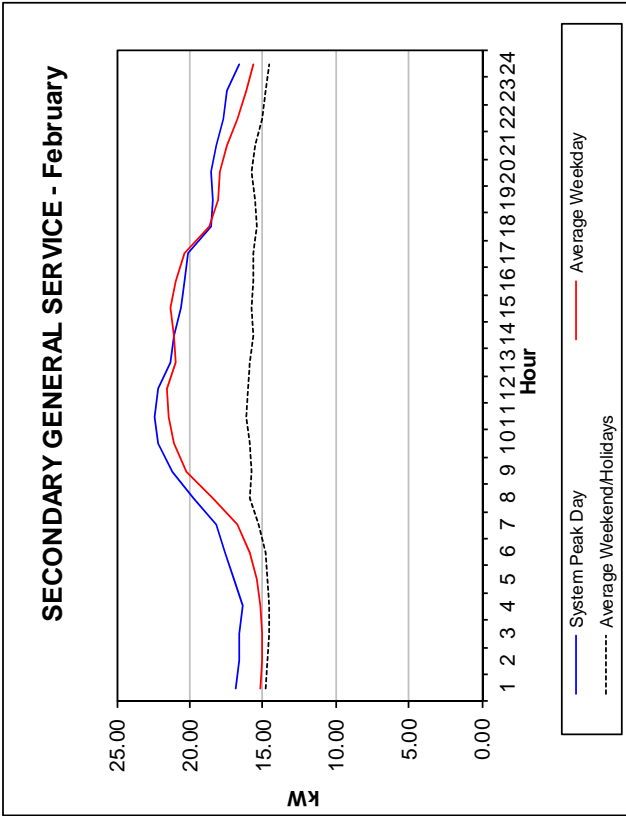


Southwestern Public Service Company

Hourly Load Profiles

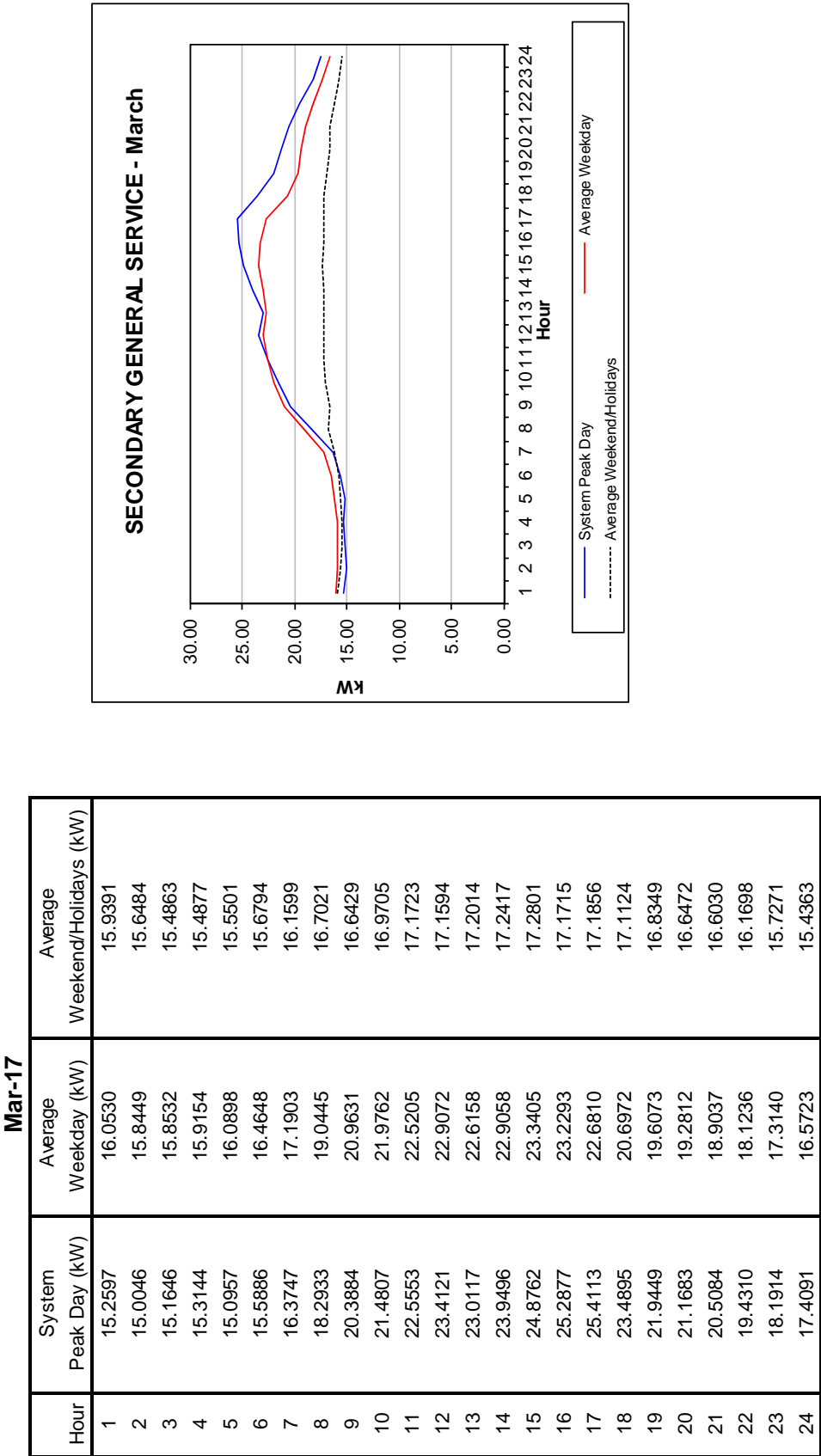
TABLE E-4.2

Feb-17				
Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)	
1	16.8823	15.1709	14.8516	
2	16.6231	15.0442	14.6623	
3	16.5538	15.0432	14.5430	
4	16.4128	15.1132	14.5236	
5	16.9640	15.4077	14.6318	
6	17.5146	15.9029	14.7976	
7	18.2153	16.7168	15.2834	
8	19.7791	18.3831	15.8460	
9	21.1892	20.1734	15.7226	
10	22.1699	21.0440	15.9347	
11	22.3694	21.4561	16.1240	
12	22.1849	21.5063	16.0008	
13	21.3339	20.9951	15.8657	
14	21.1235	21.0968	15.6916	
15	20.5468	21.2696	15.7545	
16	20.3228	20.9860	15.6661	
17	20.0671	20.3536	15.6169	
18	18.5595	18.6303	15.4246	
19	18.4575	18.0176	15.5768	
20	18.4940	17.9150	15.7659	
21	18.1239	17.4423	15.4952	
22	17.7062	16.6994	15.0731	
23	17.4367	16.1832	14.8116	
24	16.6195	15.6182	14.4953	



Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-4.3

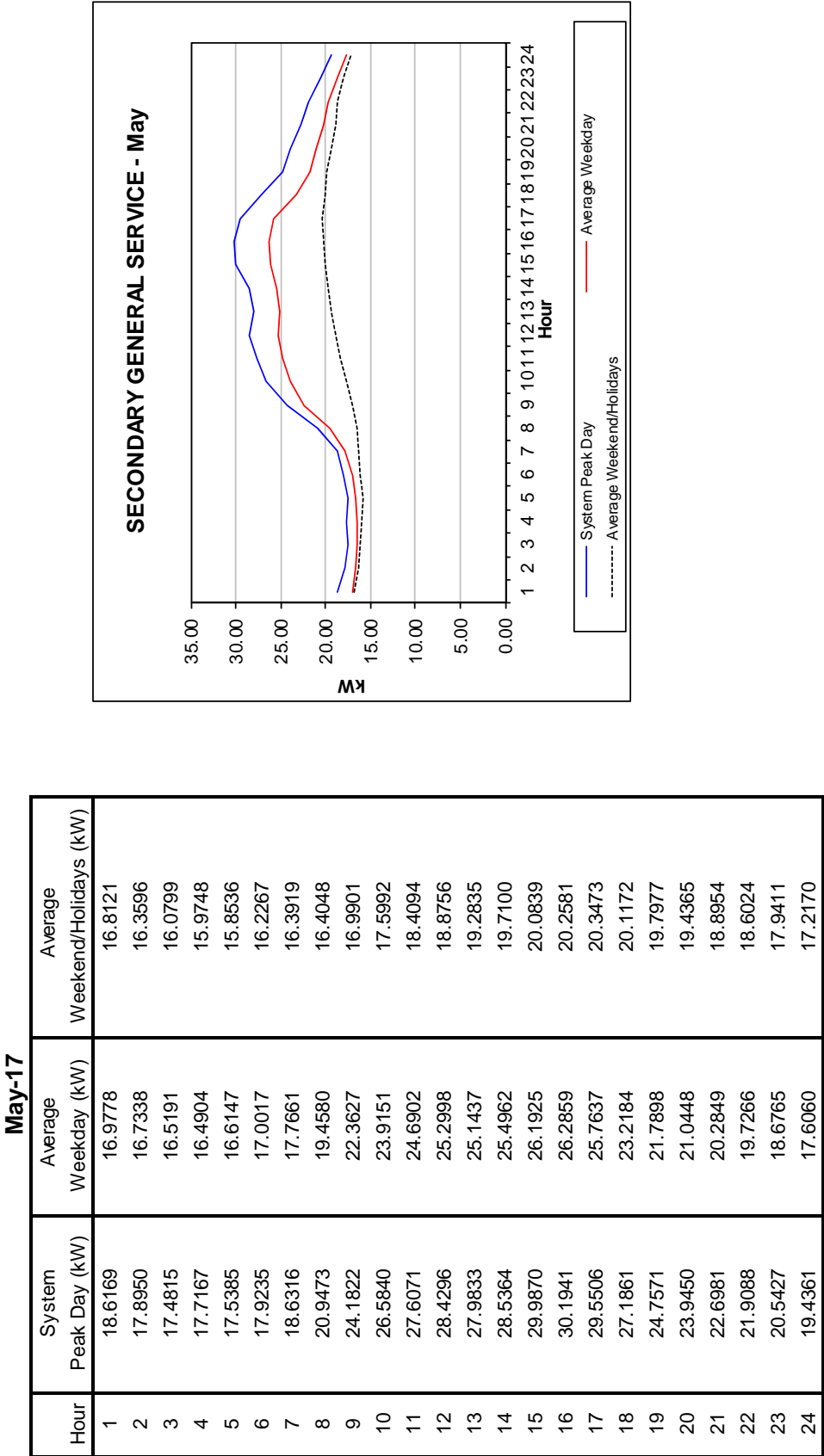






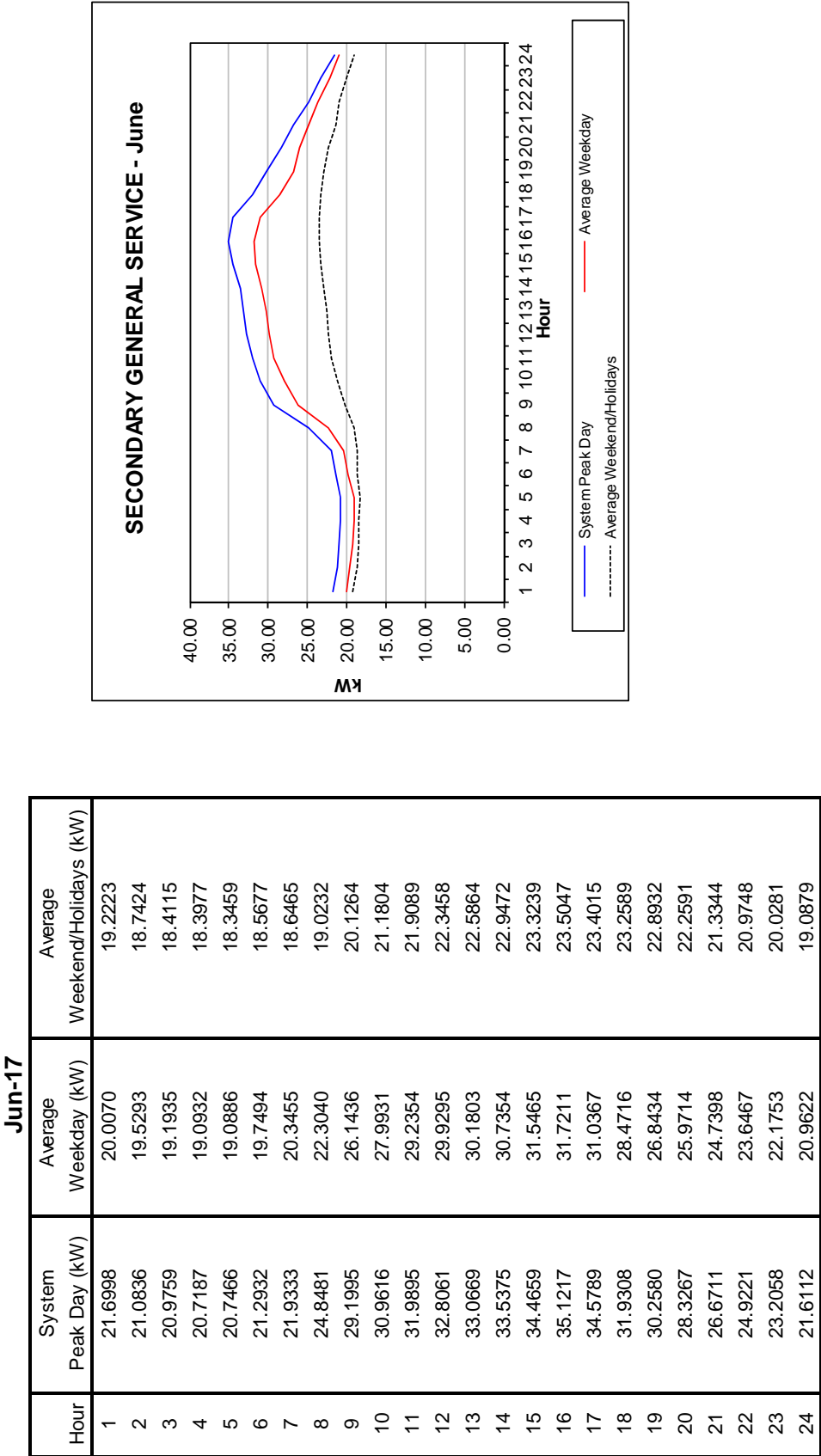
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-4.5



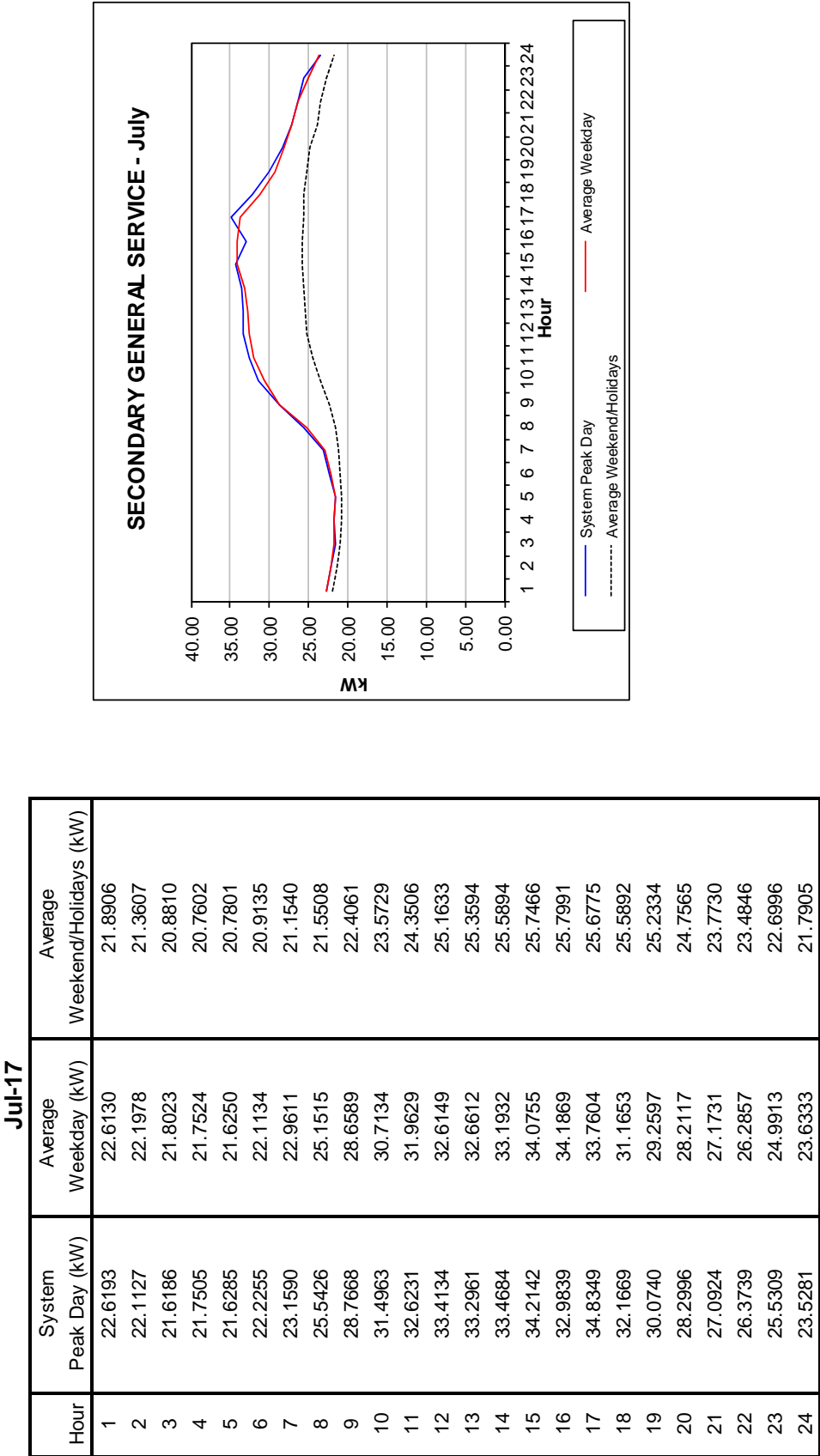
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-4.6



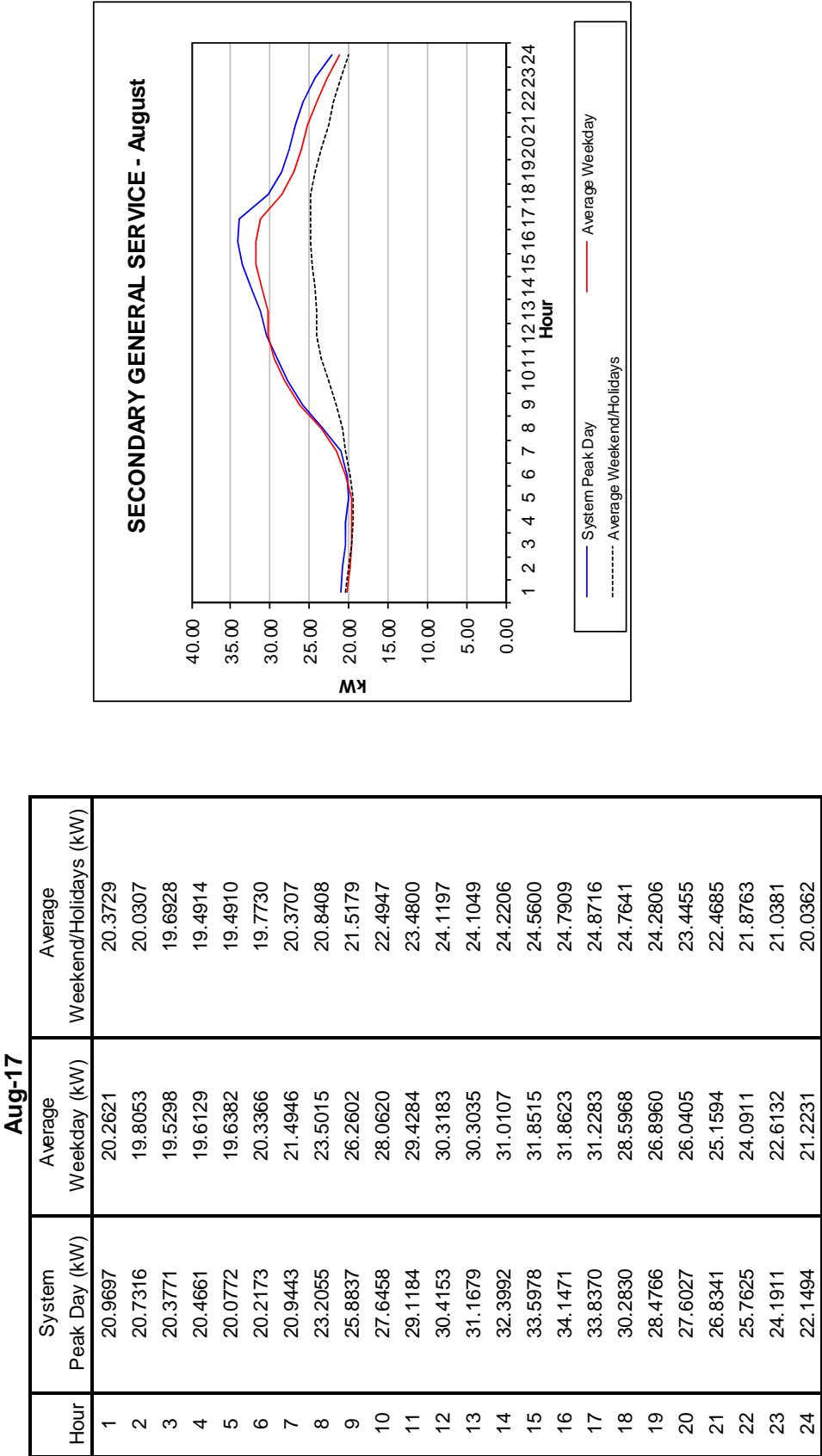
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-4.7



Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-4.8

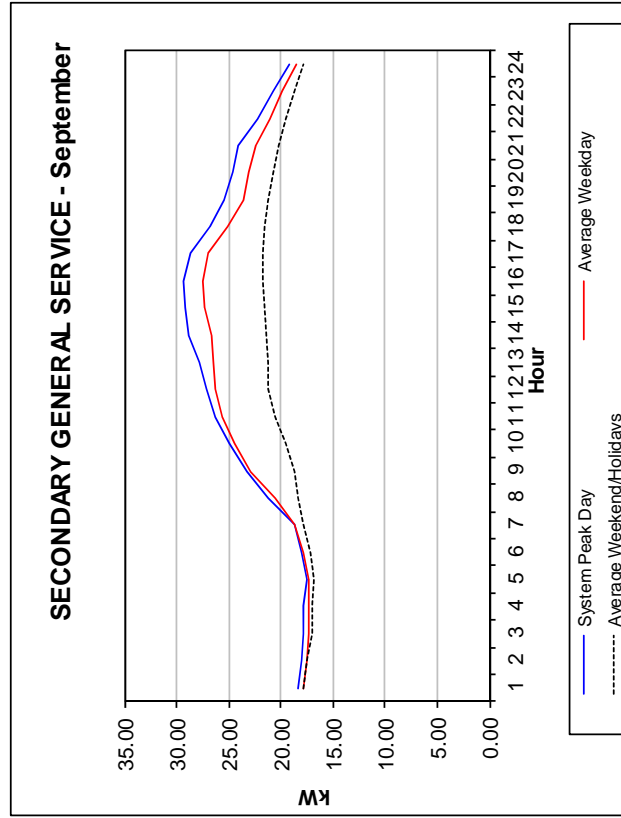


Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-4.9

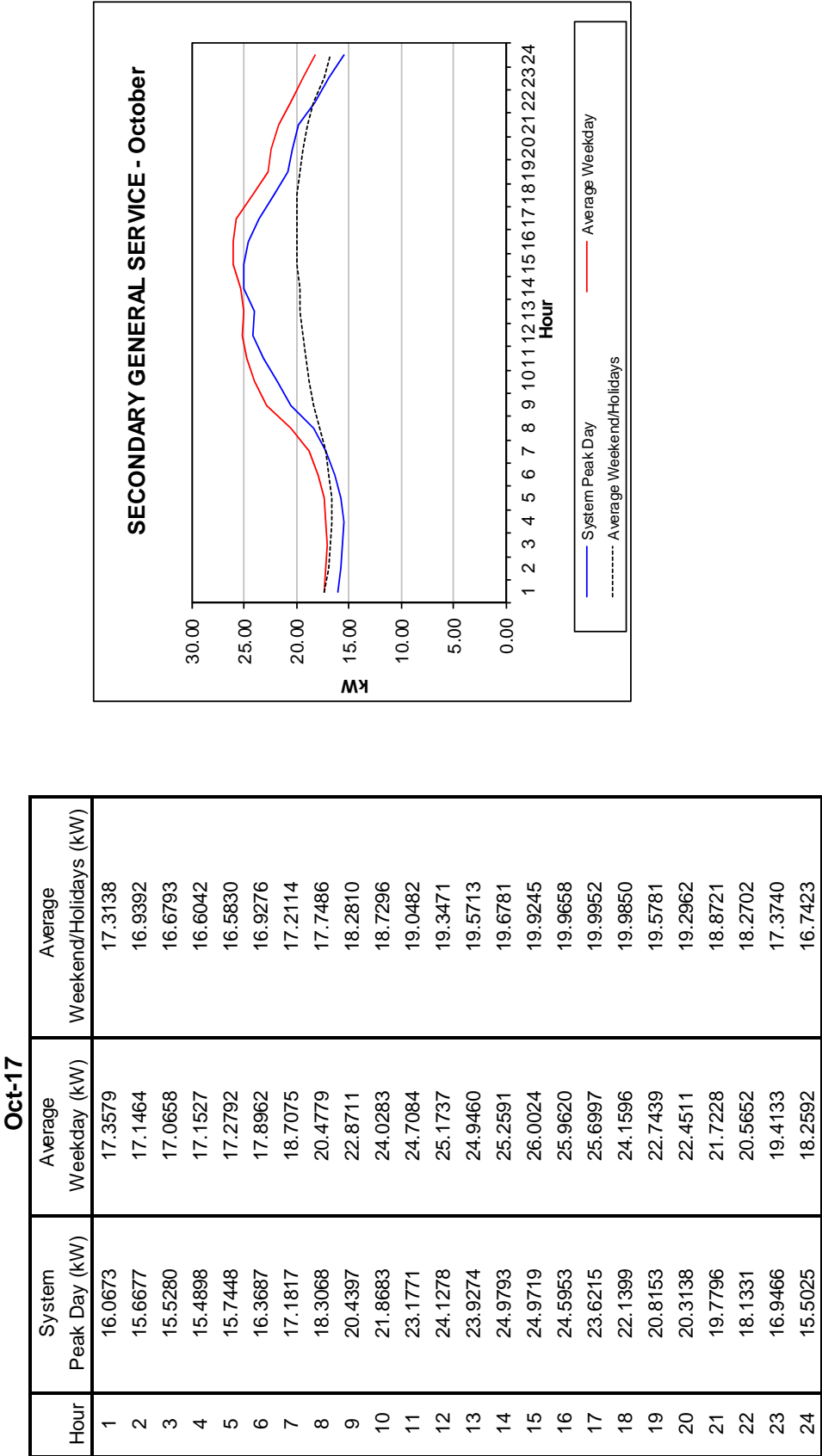
Sep-17

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	18.4004	17.8686	17.8953
2	18.0737	17.5239	17.4556
3	17.8505	17.3227	17.0720
4	17.9018	17.3396	16.9178
5	17.5840	17.3315	16.8379
6	17.9932	17.7724	17.1084
7	18.7294	18.7616	17.8213
8	21.1543	20.5233	18.3959
9	23.1841	22.8436	18.6601
10	24.9863	24.4496	19.6067
11	26.2566	25.6043	20.6002
12	27.1293	26.3716	21.1771
13	27.8072	26.4212	21.2205
14	28.7770	26.6805	21.4550
15	29.1605	27.3297	21.6302
16	29.2954	27.4640	21.7511
17	28.6943	27.0183	21.7963
18	26.8841	25.0899	21.6045
19	25.4475	23.5873	21.1711
20	24.5514	23.0472	20.7222
21	24.0875	22.3892	20.2450
22	22.1851	21.0607	19.5198
23	20.7814	19.8169	18.6491
24	19.1090	18.5098	17.8564



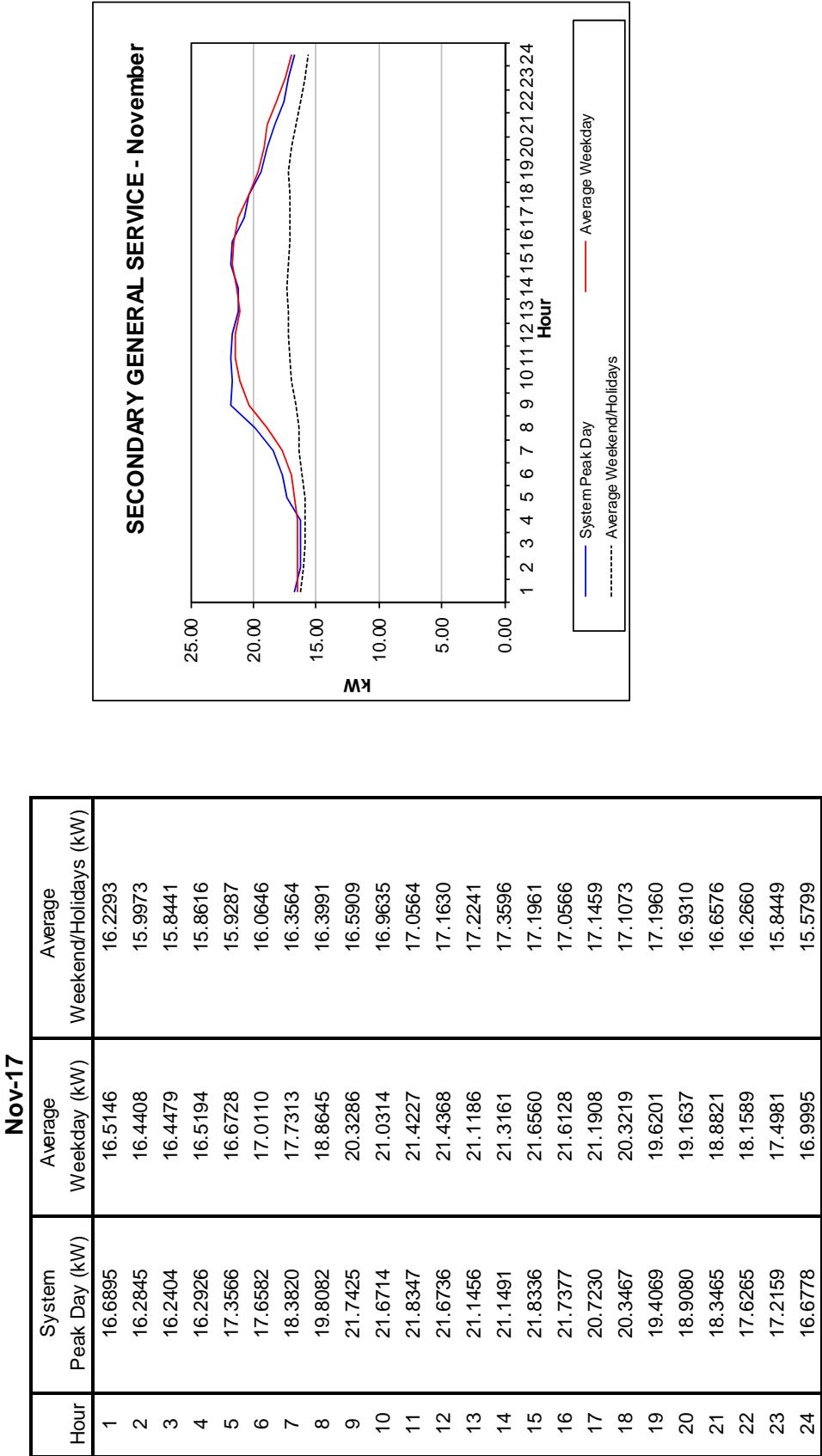
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-4.10



Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-4.11

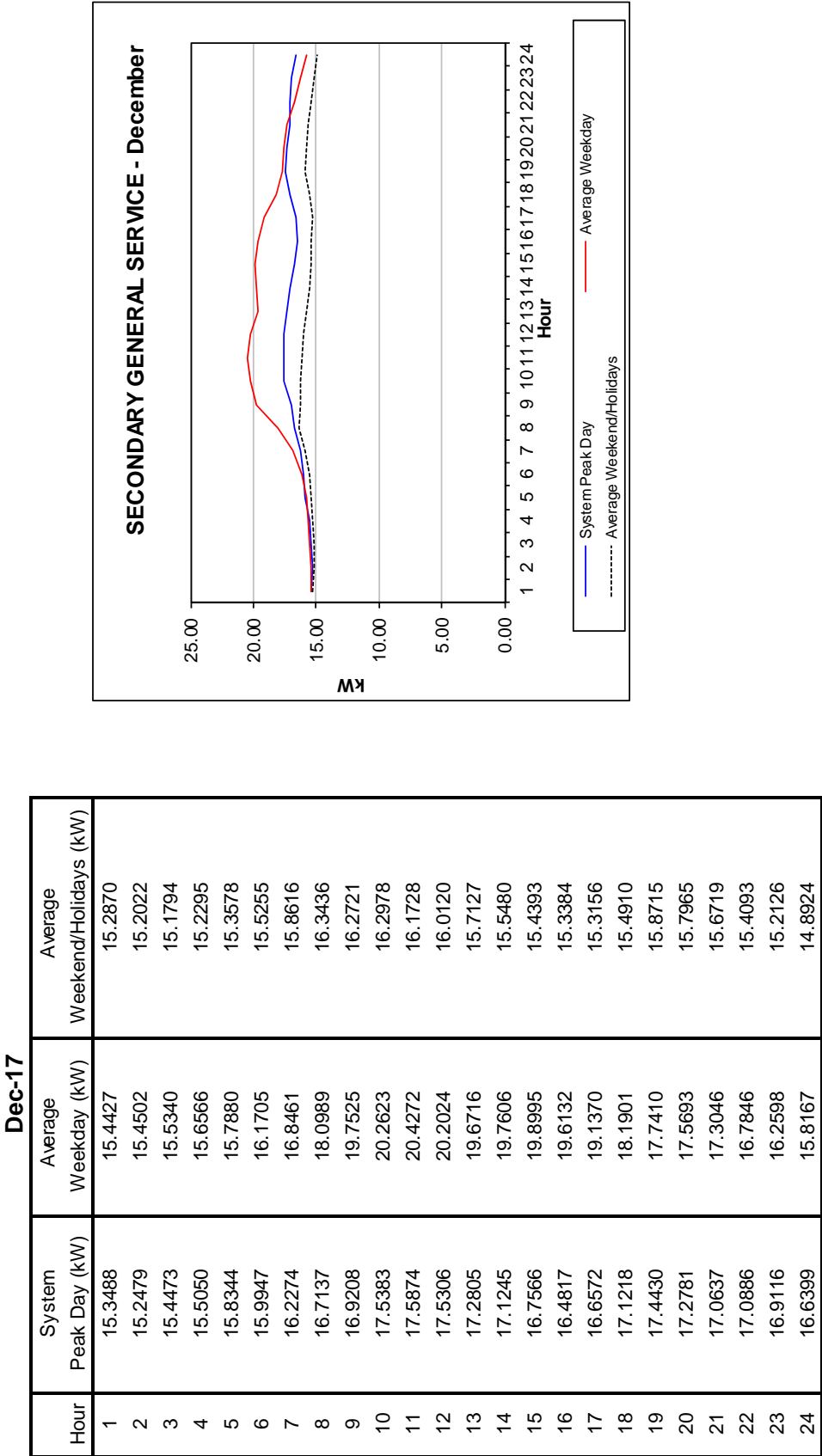




Southwestern Public Service Company

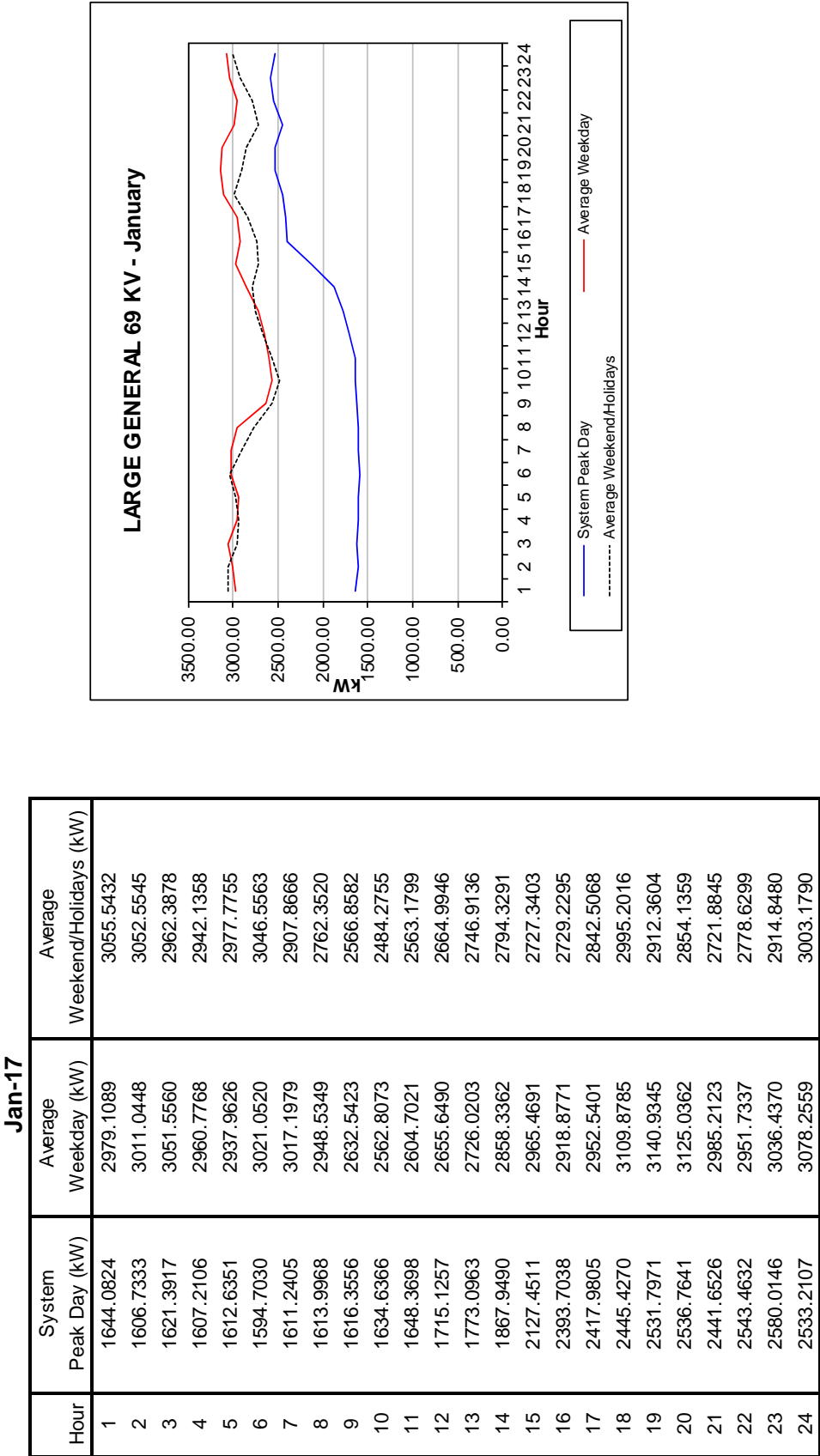
Hourly Load Profiles

TABLE E-4.12



Southwestern Public Service Company  
Hourly Load Profiles

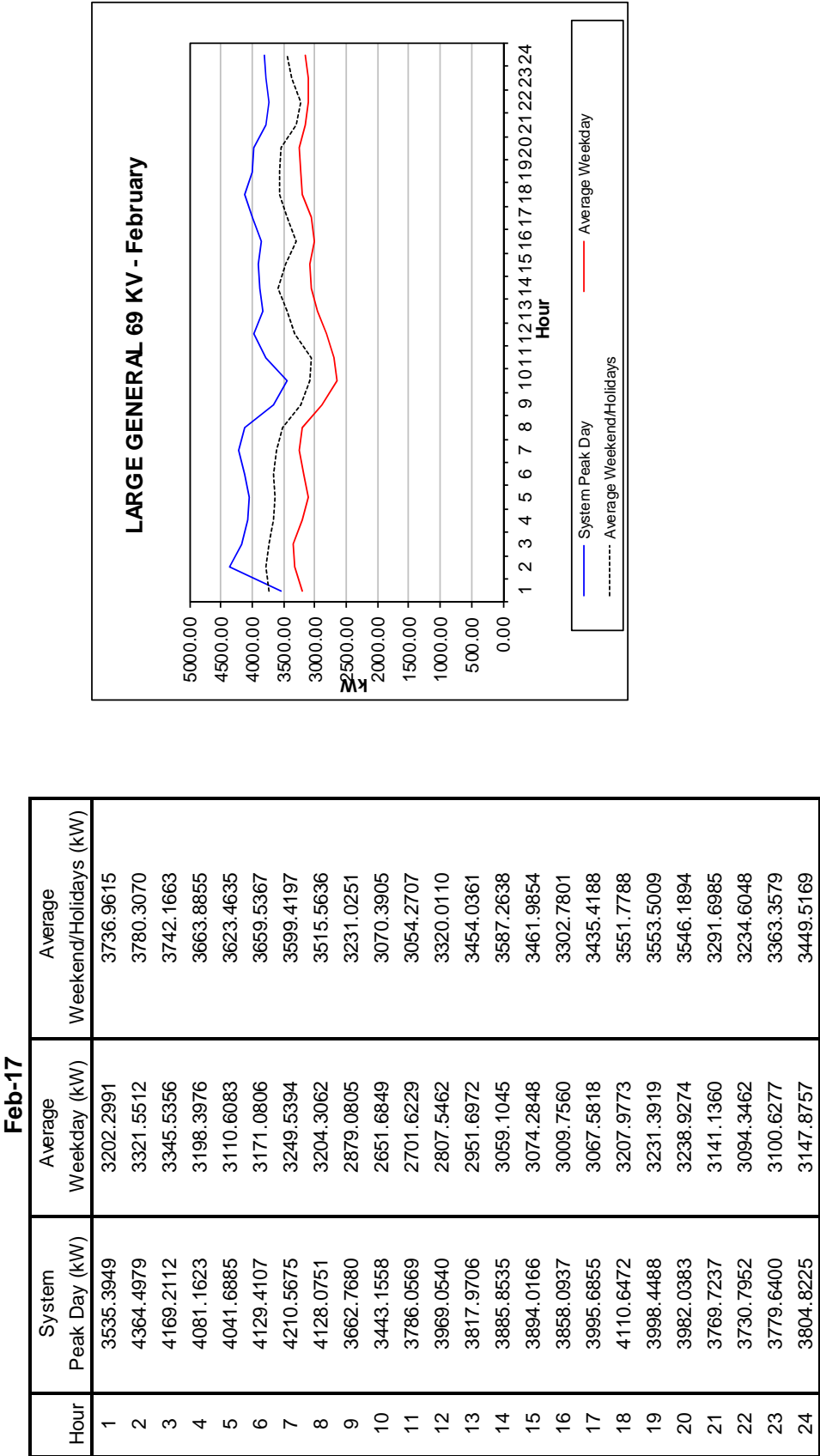
TABLE E-5.1



Southwestern Public Service Company

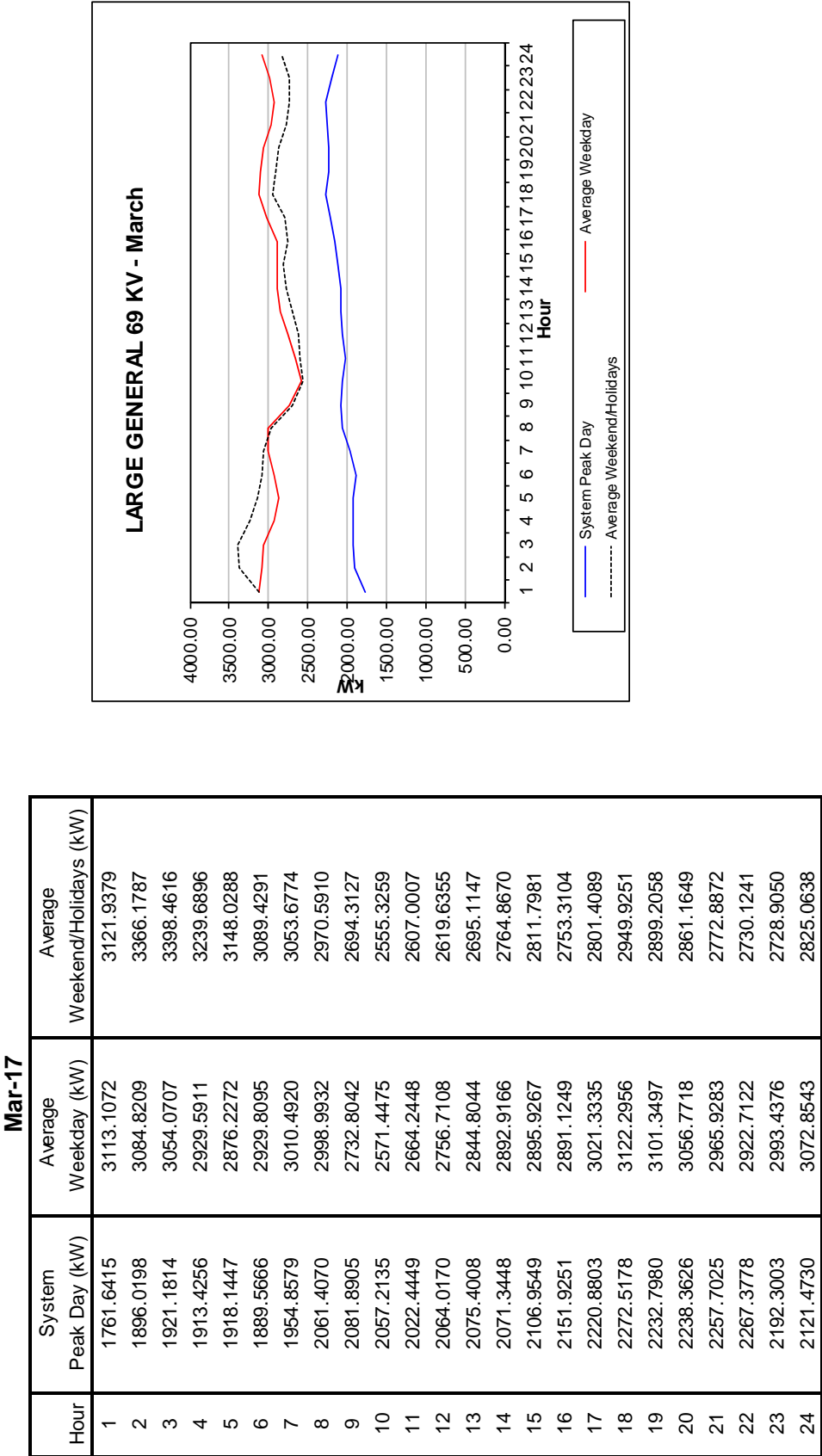
Hourly Load Profiles

TABLE E-5.2



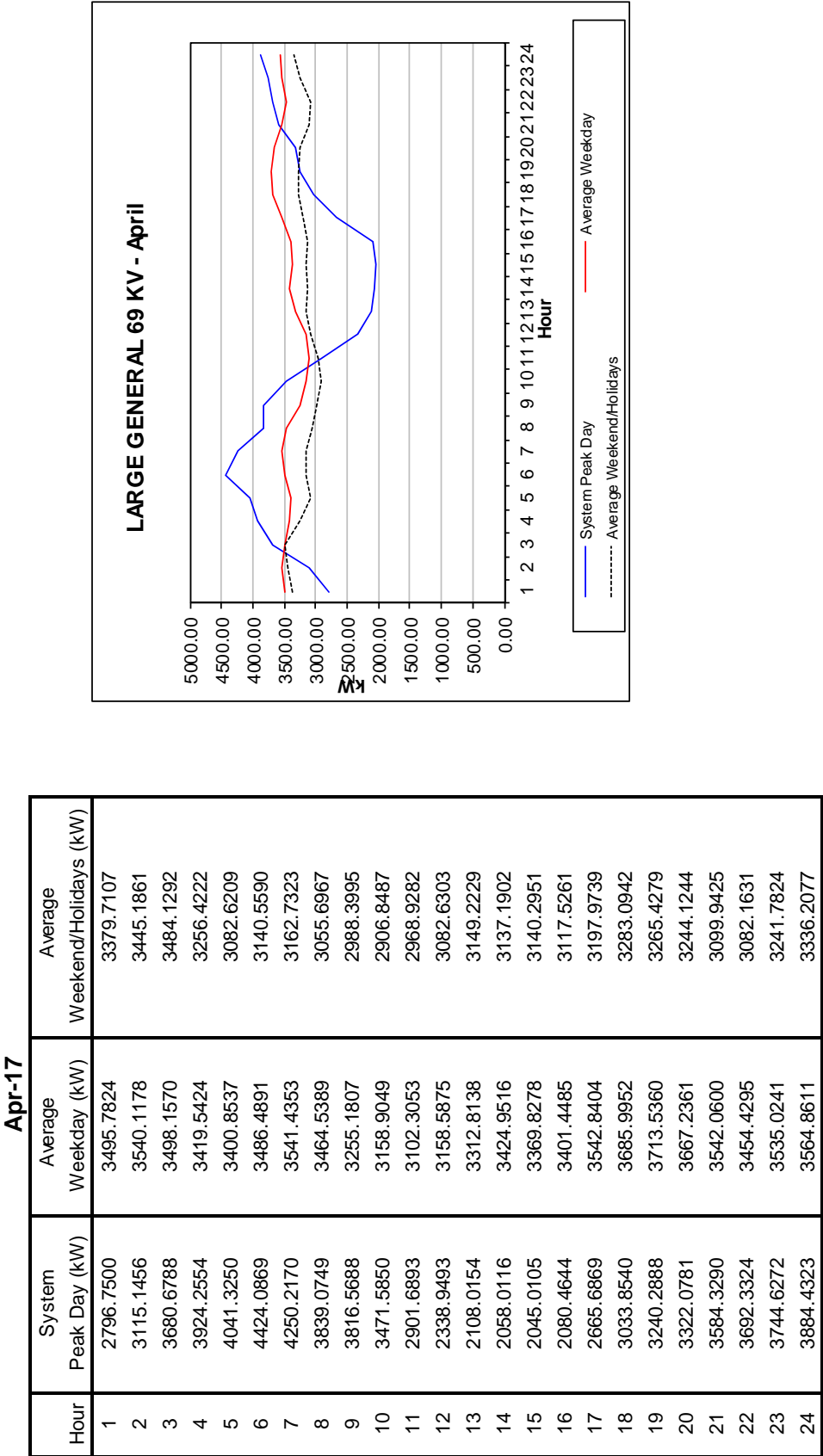
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-5.3



Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-5.4



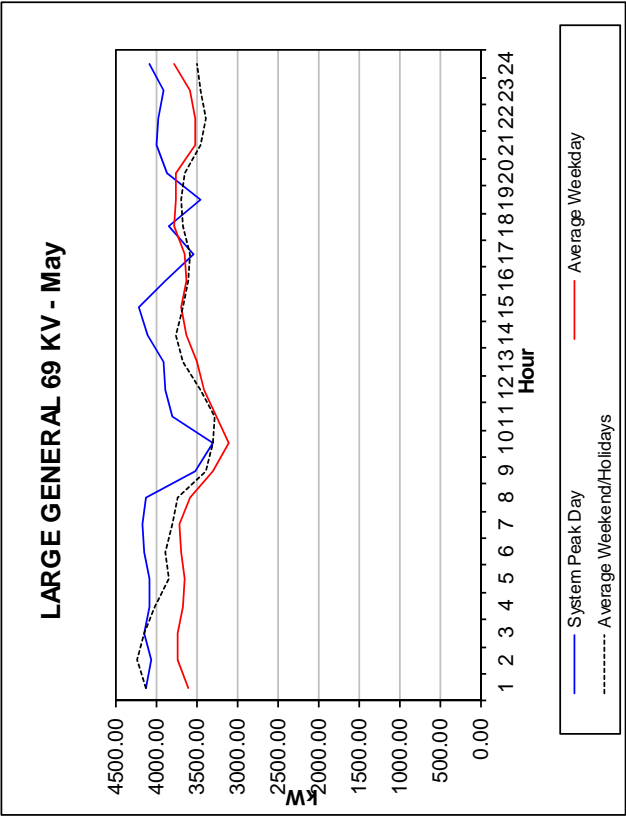
Southwestern Public Service Company

Hourly Load Profiles

TABLE E-5.5

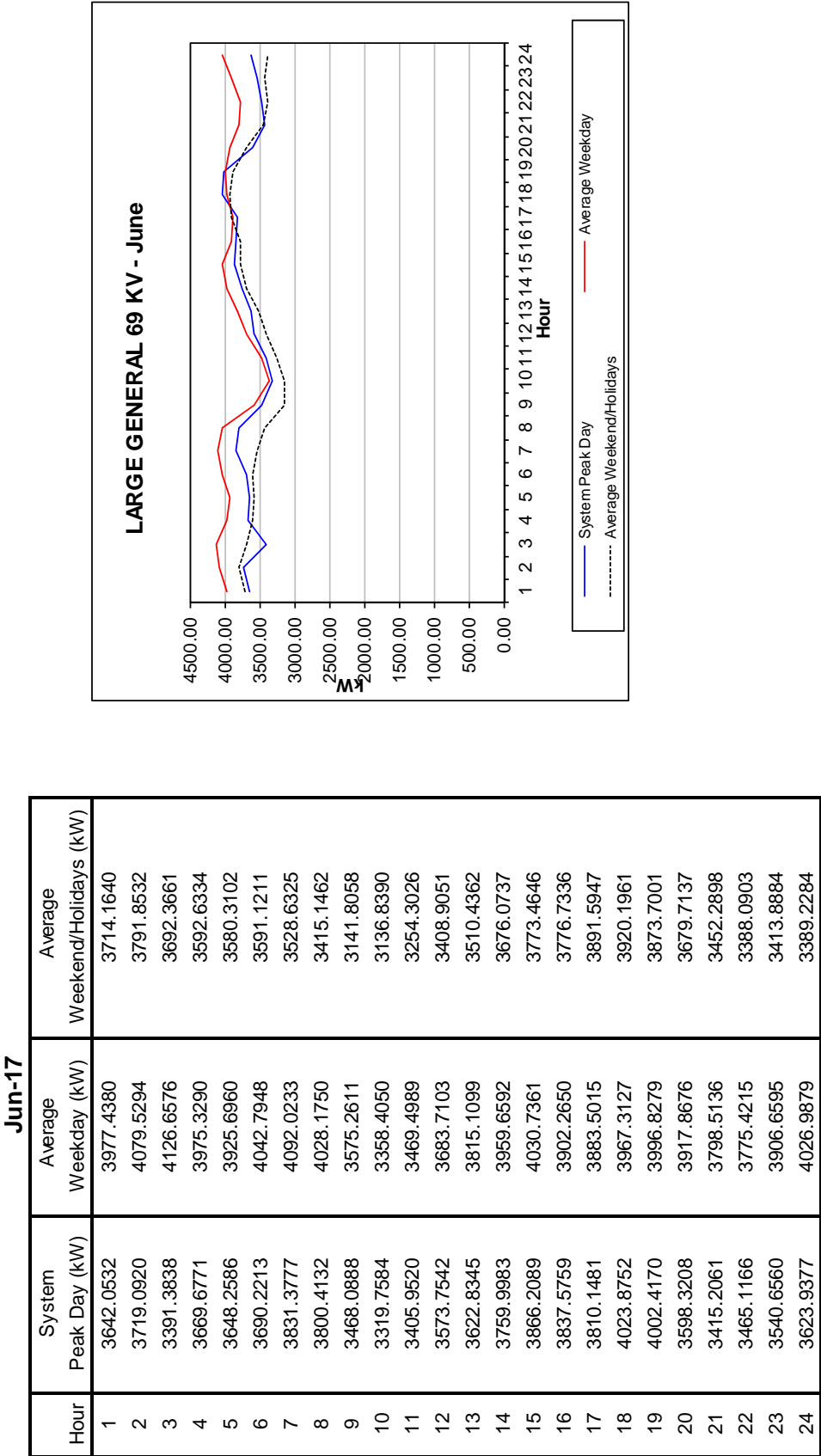
May-17

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	4116.3228	3595.7860	4113.3436
2	4046.7570	3719.3020	4222.0956
3	4146.0182	3733.2839	4136.0533
4	4079.2801	3654.4447	4012.9950
5	4076.3504	3631.1060	3843.0754
6	4138.7278	3676.5010	3876.3759
7	4155.8466	3696.2556	3795.3436
8	4126.5547	3581.4546	3722.3698
9	3503.2758	3302.3720	3388.1258
10	3291.7180	3093.8112	3297.3122
11	3788.0461	3247.6896	3280.5767
12	3889.8864	3404.2263	3454.3647
13	3895.0726	3490.8557	3662.1299
14	4100.2990	3613.3111	3745.0758
15	4206.5073	3679.5326	3673.6608
16	3883.7205	3611.8083	3588.8018
17	3536.7361	3631.0618	3566.0918
18	3831.2139	3775.8243	3667.6761
19	3436.5304	3739.4106	3694.4922
20	3857.6532	3739.4147	3634.8603
21	3986.7342	3512.6664	3448.5343
22	3968.6381	3503.8885	3386.0563
23	3892.1533	3584.5744	3451.0720
24	4071.0720	3769.8864	3489.0029



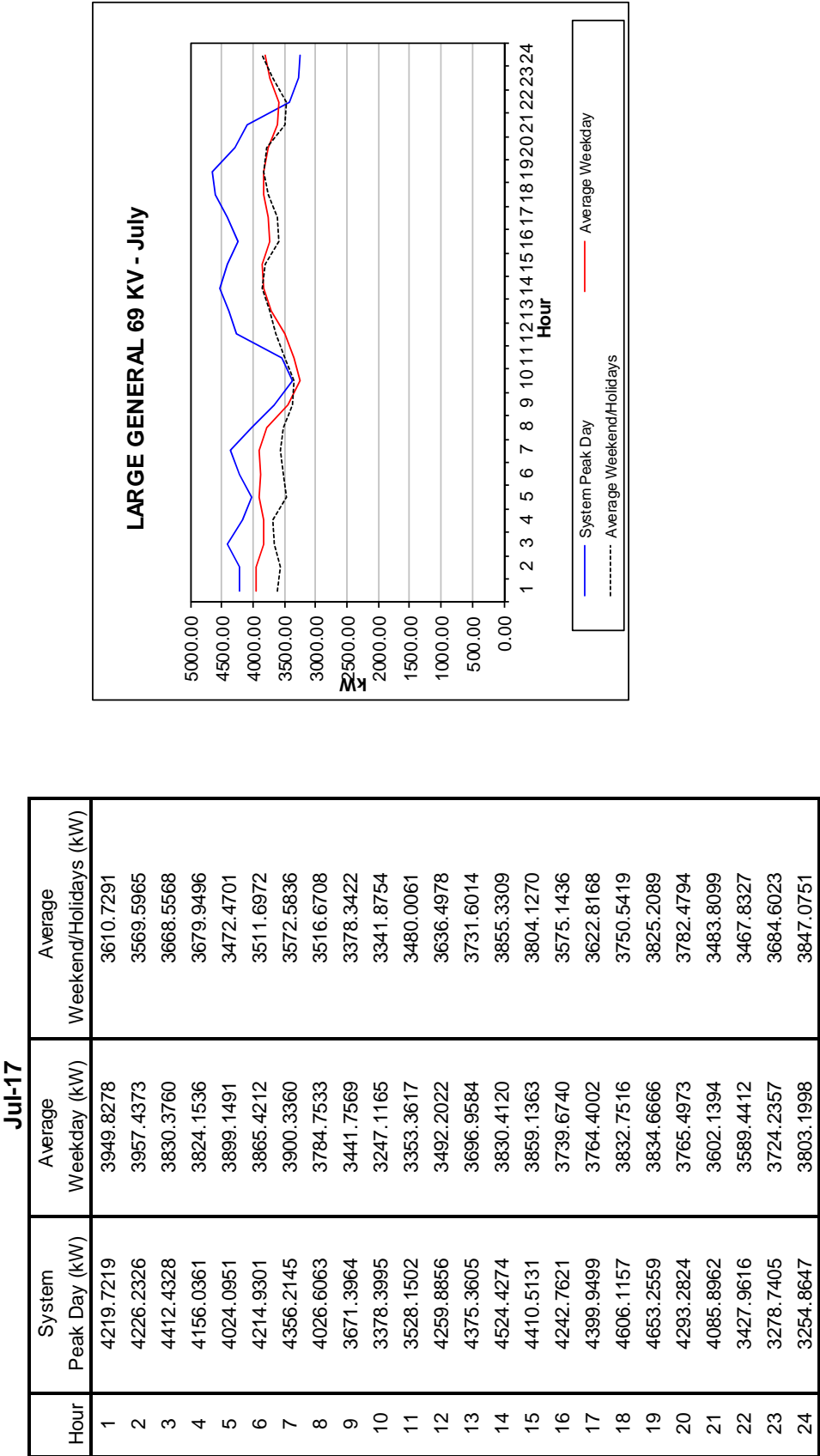
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-5.6



Southwestern Public Service Company  
Hourly Load Profiles

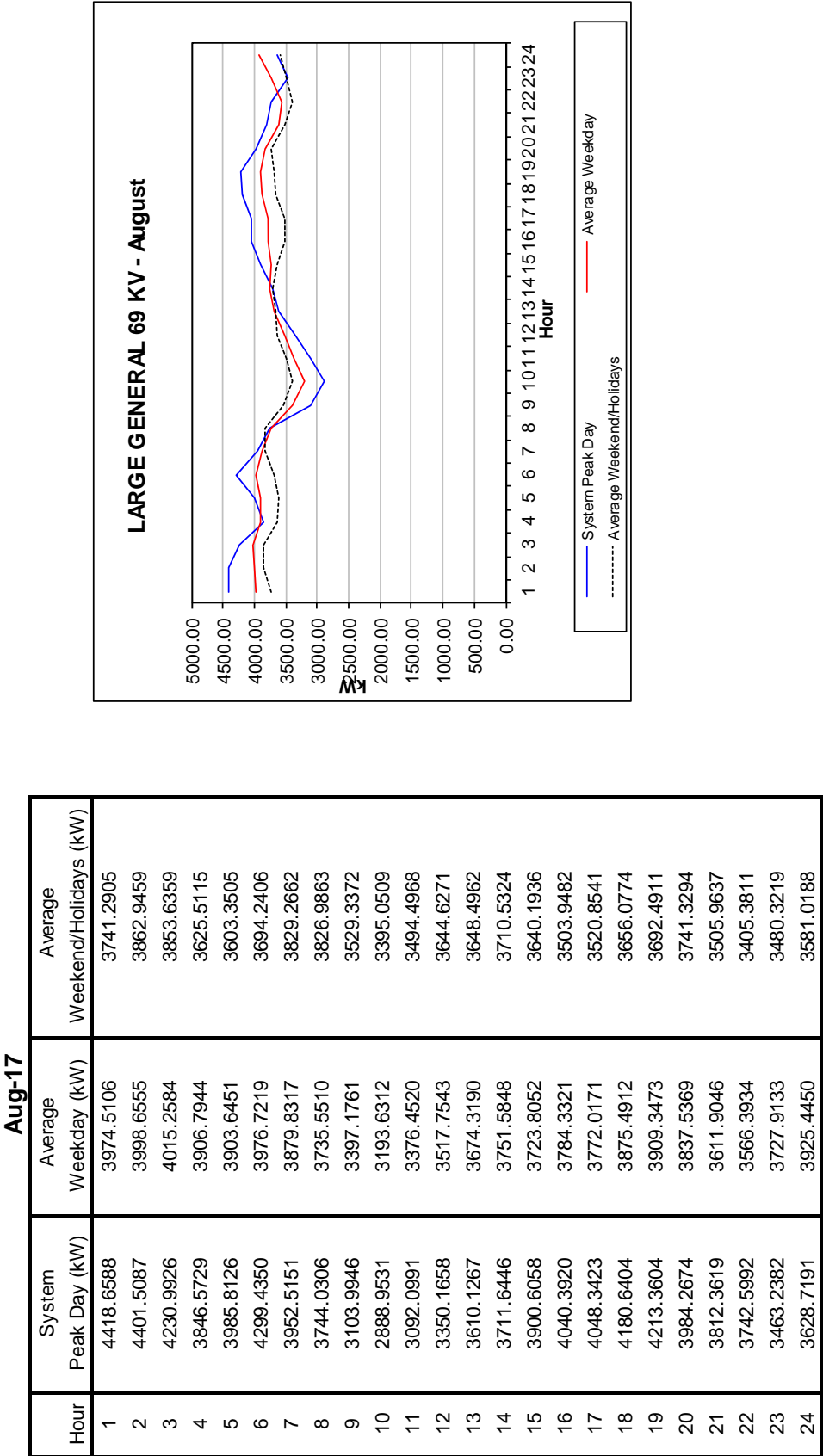
TABLE E-5.7





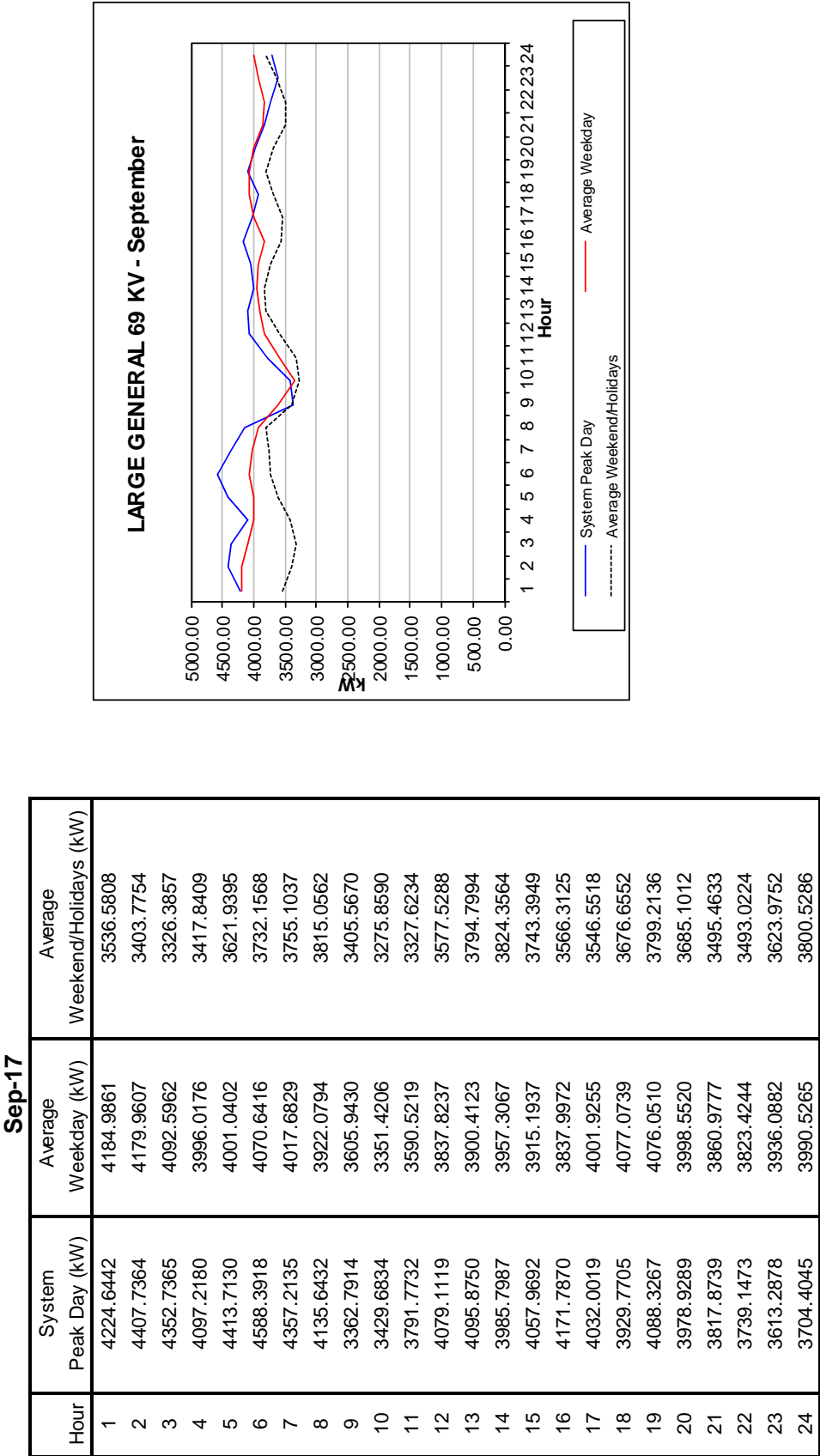
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-5.8



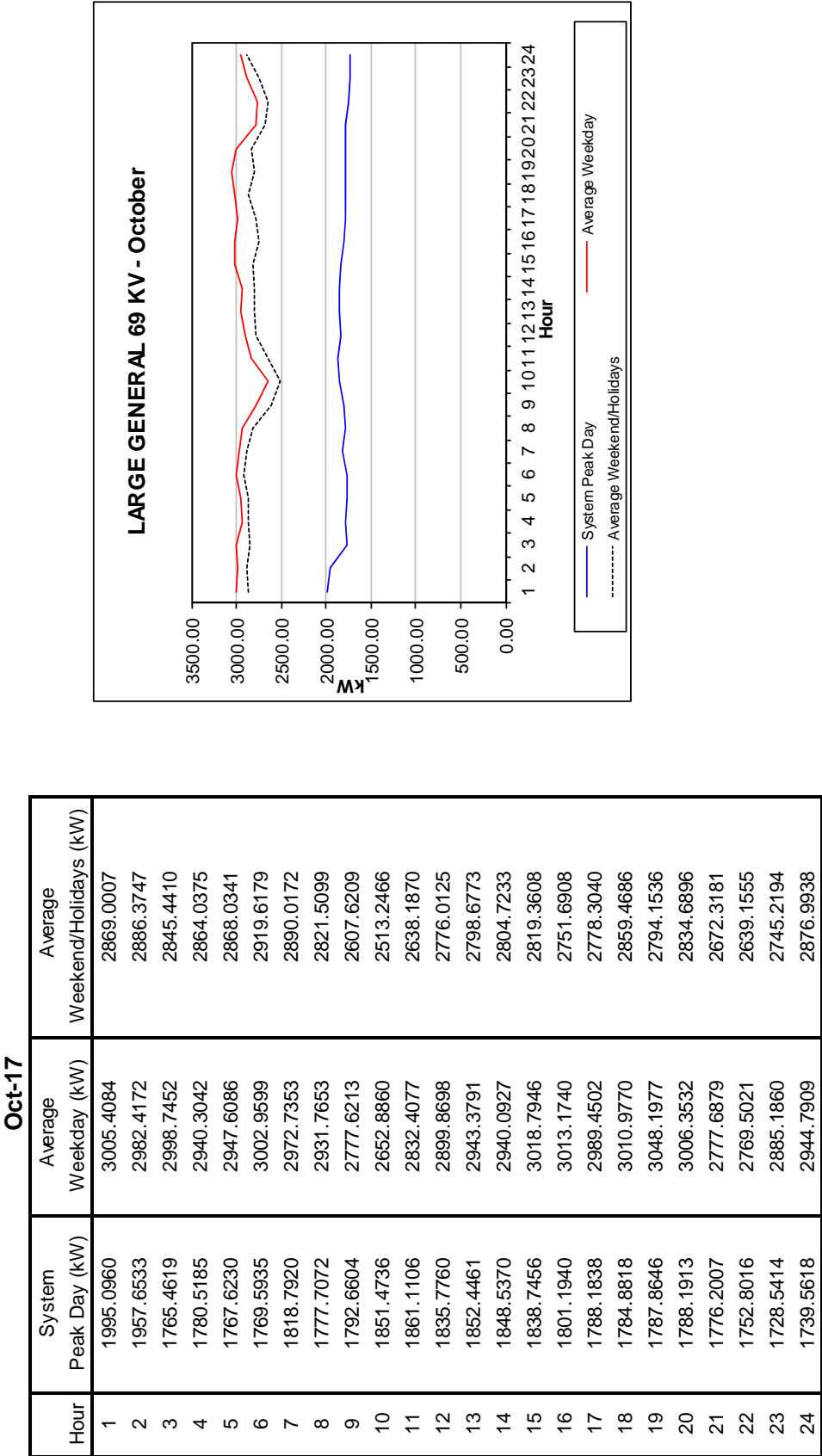
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-5.9



Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-5.10



Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-5.11

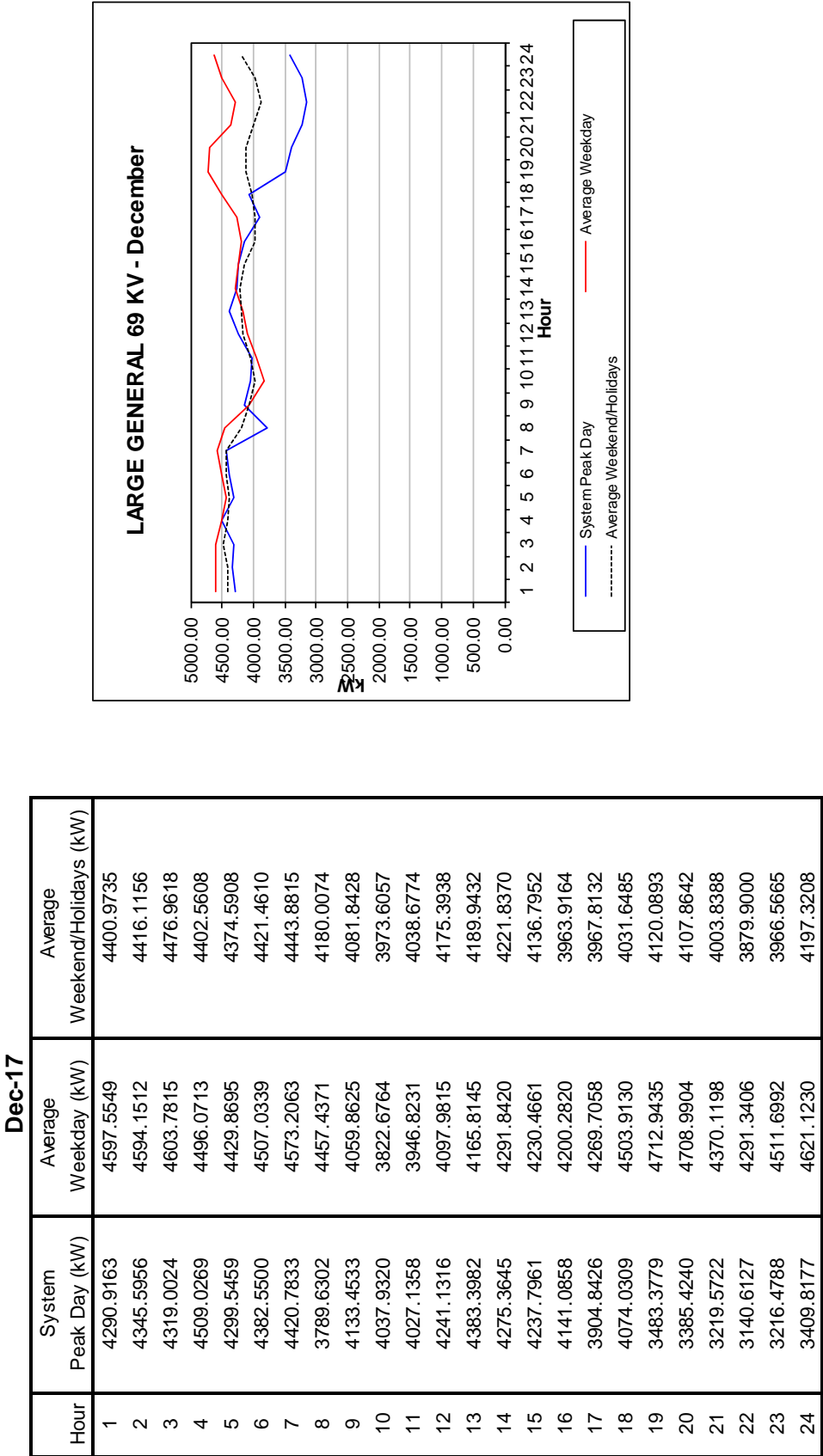
Nov-17			
Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	3903.9840	3515.0346	3269.0931
2	3166.8997	3495.1807	3266.4841
3	3238.9549	3502.0100	3125.7700
4	3668.2079	3428.9314	2992.3042
5	4053.0096	3397.7857	3006.0586
6	3643.9444	3442.2231	3069.2051
7	3578.4161	3393.4651	3082.4201
8	3452.0784	3374.6755	2983.5519
9	3125.4582	3096.5515	2776.1976
10	2864.2727	2913.0784	2676.8536
11	2549.0406	2991.9236	2760.6214
12	2539.6073	3105.8422	2969.0952
13	2499.1193	3291.4808	3113.1564
14	2489.6247	3329.9165	3108.1939
15	2599.7042	3349.0928	2908.4953
16	2849.8378	3276.7568	2890.2350
17	3084.0469	3300.9042	2962.3741
18	3354.3952	3421.7123	2986.0228
19	3124.1040	3466.5977	2915.9329
20	2741.8638	3344.4061	2983.7071
21	3030.6795	3209.3730	2781.4431
22	3101.6736	3299.3880	2808.8772
23	3088.6872	3446.6386	2918.9888
24	3381.6767	3612.0321	3041.4006

**LARGE GENERAL 69 KV - November**

Legend: System Peak Day (solid blue line), Average Weekday (dashed black line), Average Weekend (solid red line)

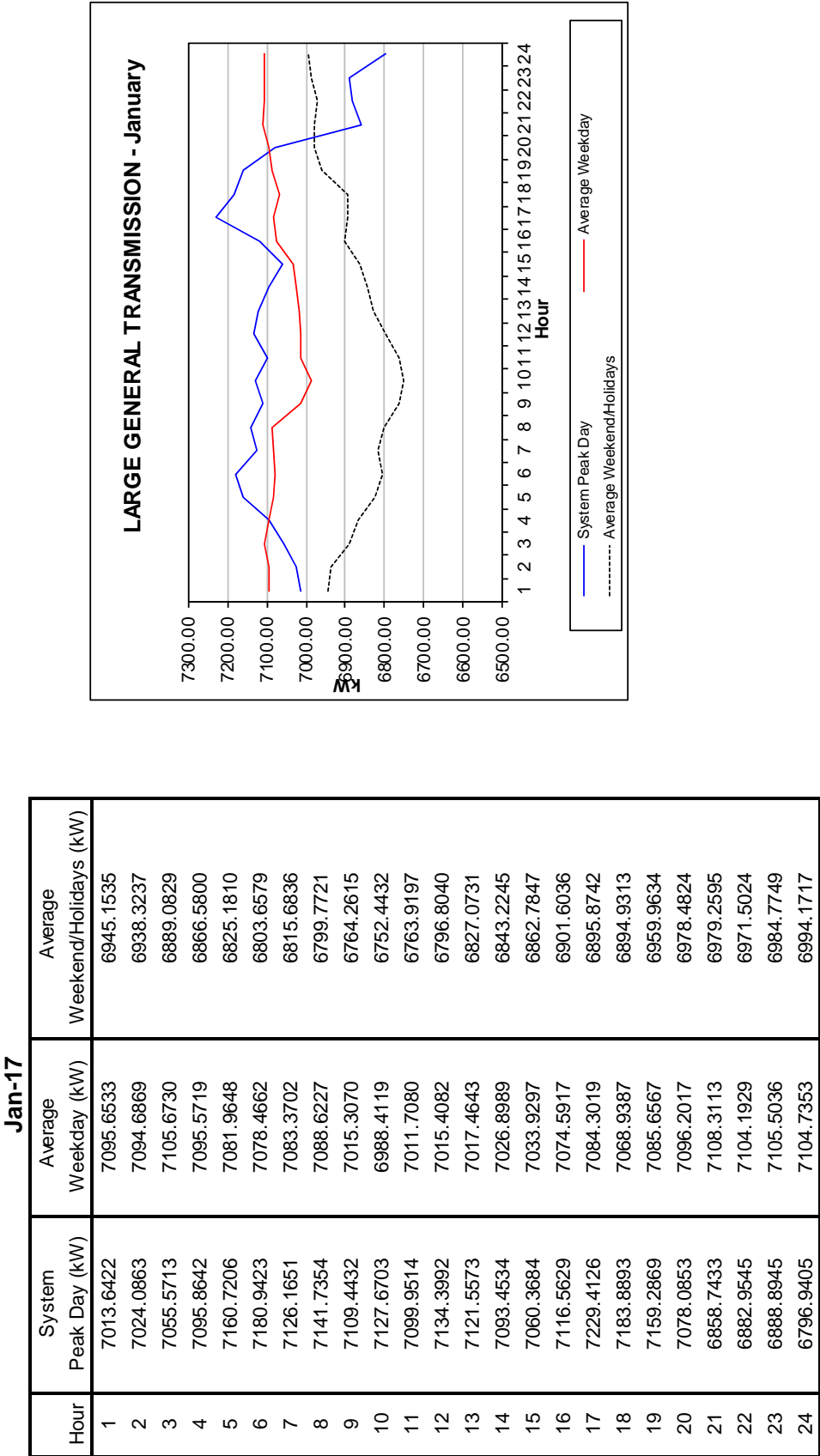
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-5.12



Southwestern Public Service Company  
Hourly Load Profiles

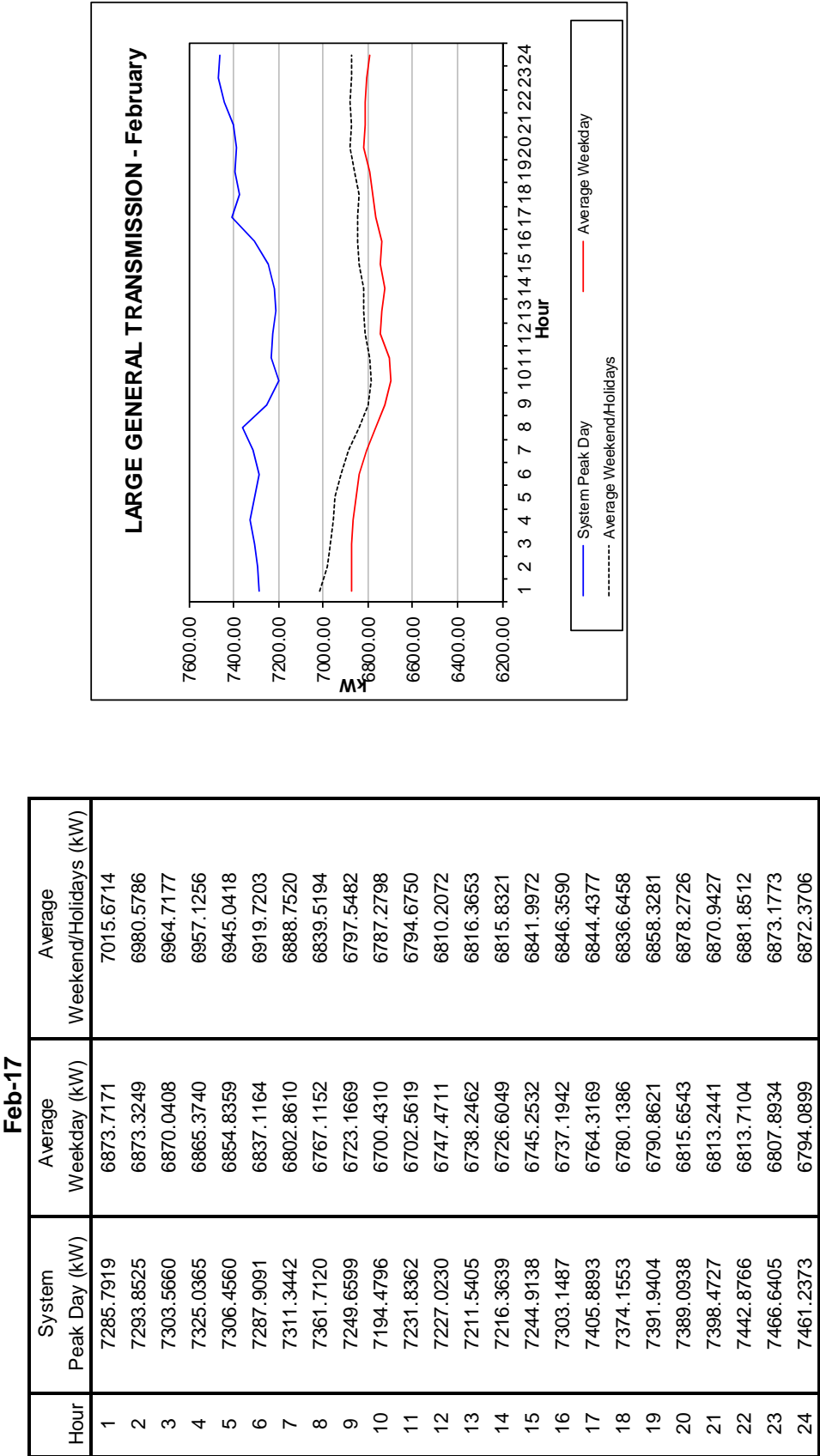
TABLE E-6.1



Southwestern Public Service Company

Hourly Load Profiles

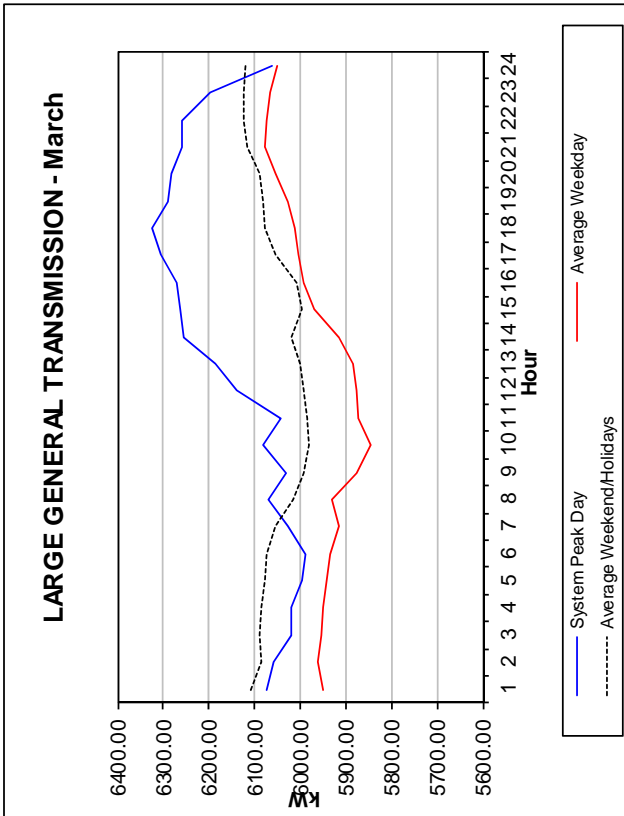
TABLE E-6.2



## Southwestern Public Service Company Hourly Load Profiles

### TABLE E-6.3

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	6072.8712	5948.6408	6106.4577
2	6058.8512	5959.6141	6085.1180
3	6020.7748	5955.3365	6087.7300
4	6018.9580	5951.6875	6086.3717
5	5994.3670	5943.6519	6079.0298
6	5989.4855	5933.0023	6074.0990
7	6027.3958	5916.1062	6055.0317
8	6068.5856	5930.4114	6016.4995
9	6031.5741	5875.2890	5992.4614
10	6082.9319	5844.2911	5979.9391
11	6040.7689	5874.2630	5986.3834
12	6139.9466	5875.9899	5993.8058
13	6187.0274	5883.6652	6001.4799
14	6255.5251	5914.1570	6018.2016
15	6263.3336	5969.9620	5997.8109
16	6270.6437	5990.8720	6006.9287
17	6305.3276	6003.8528	6055.3548
18	6325.9000	6013.2933	6078.7667
19	6291.0034	6025.2450	6082.5071
20	6282.8100	6055.3622	6089.6435
21	6258.2827	6077.9299	6117.5070
22	6258.1892	6072.9237	6123.8557
23	6198.2946	6064.5312	6123.3255
24	6060.7217	6049.2177	6121.2330



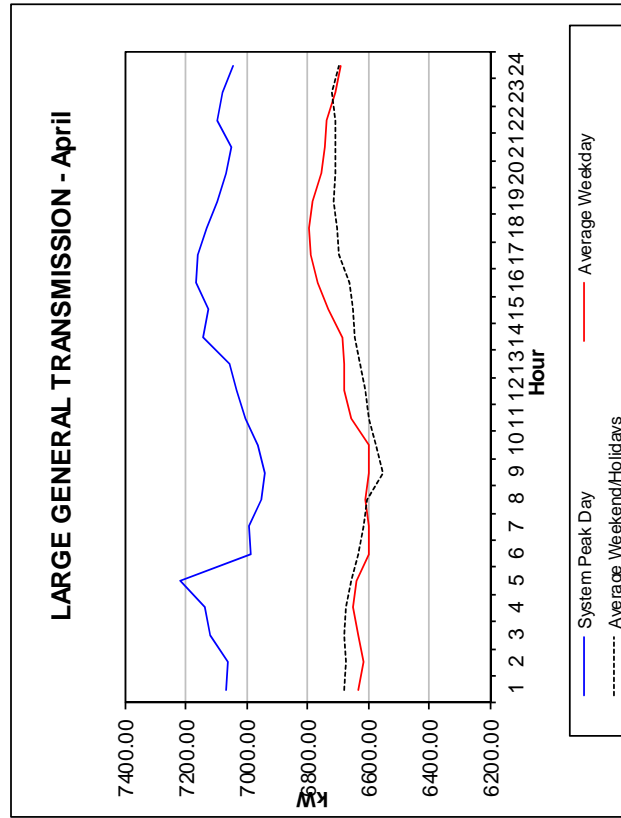


Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-6.4

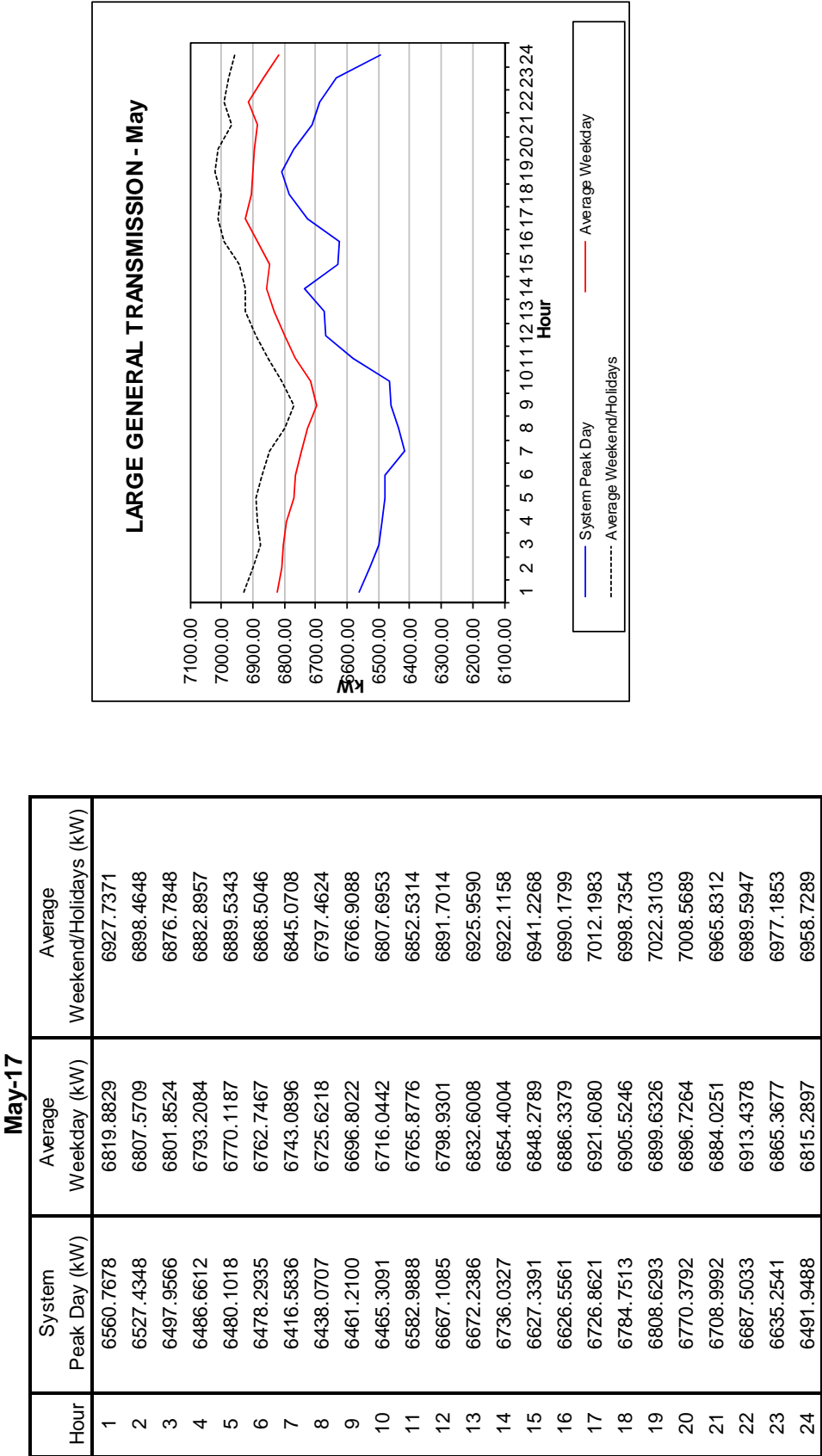
Apr-17

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	7064.2305	6629.9348	6680.2119
2	7063.5911	6616.4705	6673.6938
3	7117.2915	6634.0372	6677.2099
4	7134.9474	6648.7515	6670.1303
5	7218.7203	6640.0093	6653.5194
6	6987.2409	6599.7216	6630.2041
7	6989.4480	6597.7029	6616.7380
8	6949.6976	6611.3415	6605.3803
9	6941.9458	6598.5421	6553.2082
10	6963.5212	6599.2241	6575.0505
11	7003.4267	6657.6077	6596.3111
12	7030.5370	6678.1256	6609.3473
13	7055.5030	6677.6768	6627.5035
14	7139.2553	6682.1110	6641.6093
15	7126.7801	6732.7508	6646.4463
16	7163.6211	6764.3077	6659.9163
17	7159.6009	6786.0251	6692.9676
18	7130.5993	6796.1810	6704.2255
19	7094.8151	6783.6933	6710.5464
20	7065.2873	6753.7958	6709.0275
21	7051.2575	6741.8917	6706.2289
22	7093.3737	6734.7894	6705.0793
23	7076.3036	6708.6750	6718.8575
24	7045.3622	6688.4596	6694.5178



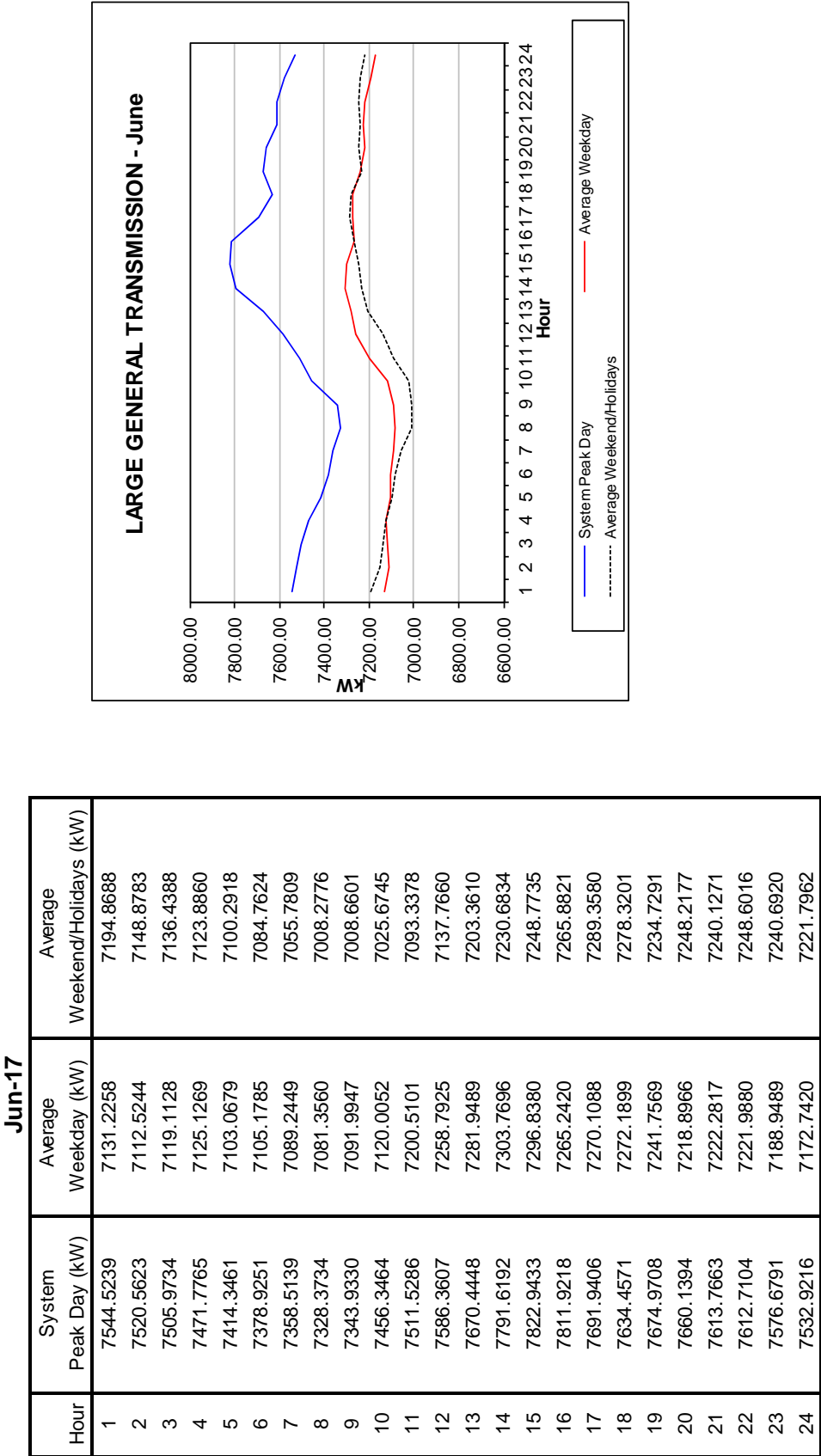
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-6.5



Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-6.6

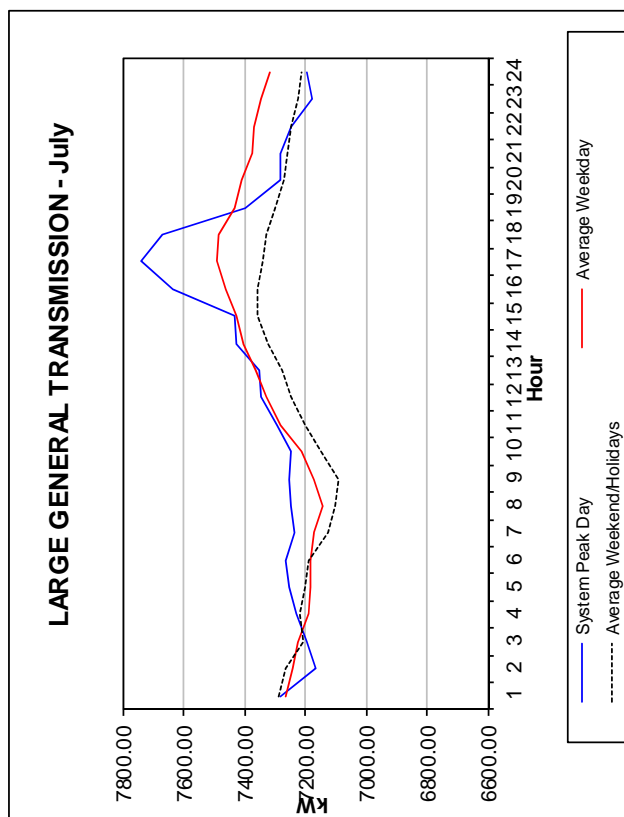


Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-6.7

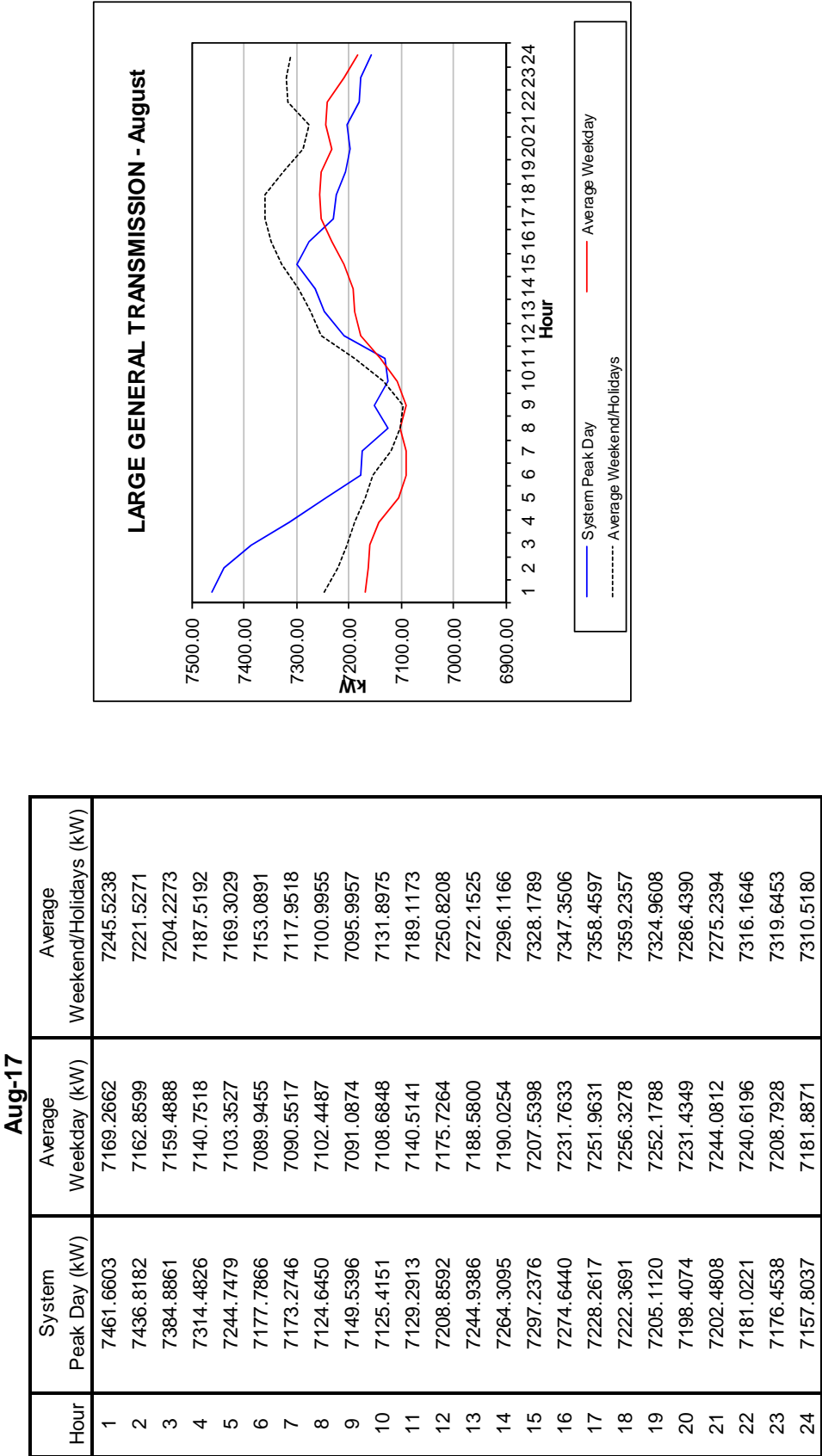
Jul-17

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	7278.8744	7261.8507	7284.1807
2	7165.6809	7237.9825	7261.6955
3	7193.6547	7225.4534	7203.6997
4	7226.3672	7188.4144	7217.9627
5	7250.8939	7179.7787	7201.0526
6	7262.2098	7179.7692	7186.2680
7	7235.7493	7170.6637	7124.3363
8	7246.4305	7141.5880	7099.3608
9	7252.6730	7170.7438	7087.4279
10	7244.8316	7209.6132	7145.2170
11	7295.3583	7278.9663	7200.8617
12	7344.7212	7327.7101	7245.7436
13	7349.2452	7361.3129	7276.4655
14	7424.7857	7400.2373	7323.7976
15	7431.9315	7427.4189	7353.8862
16	7631.9713	7459.7218	7356.9514
17	7738.6757	7490.5371	7338.7066
18	7669.0403	7485.3908	7329.2841
19	7399.7567	7434.1372	7295.8013
20	7278.6254	7406.6850	7269.6446
21	7281.1771	7374.3899	7258.1339
22	7245.1634	7369.3504	7249.0123
23	7178.9151	7342.4095	7222.4197
24	7192.2399	7318.2927	7214.4366



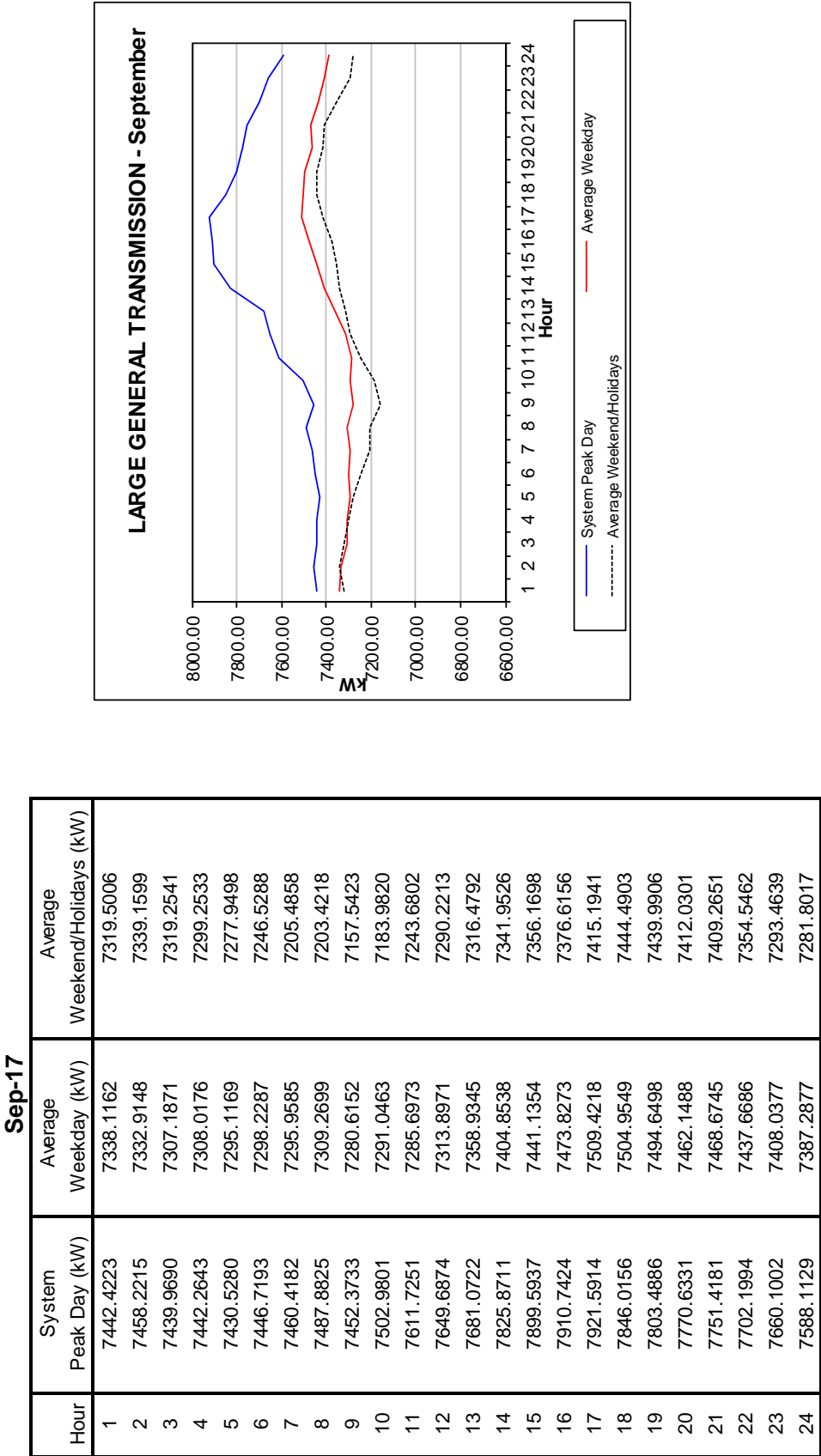
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-6.8



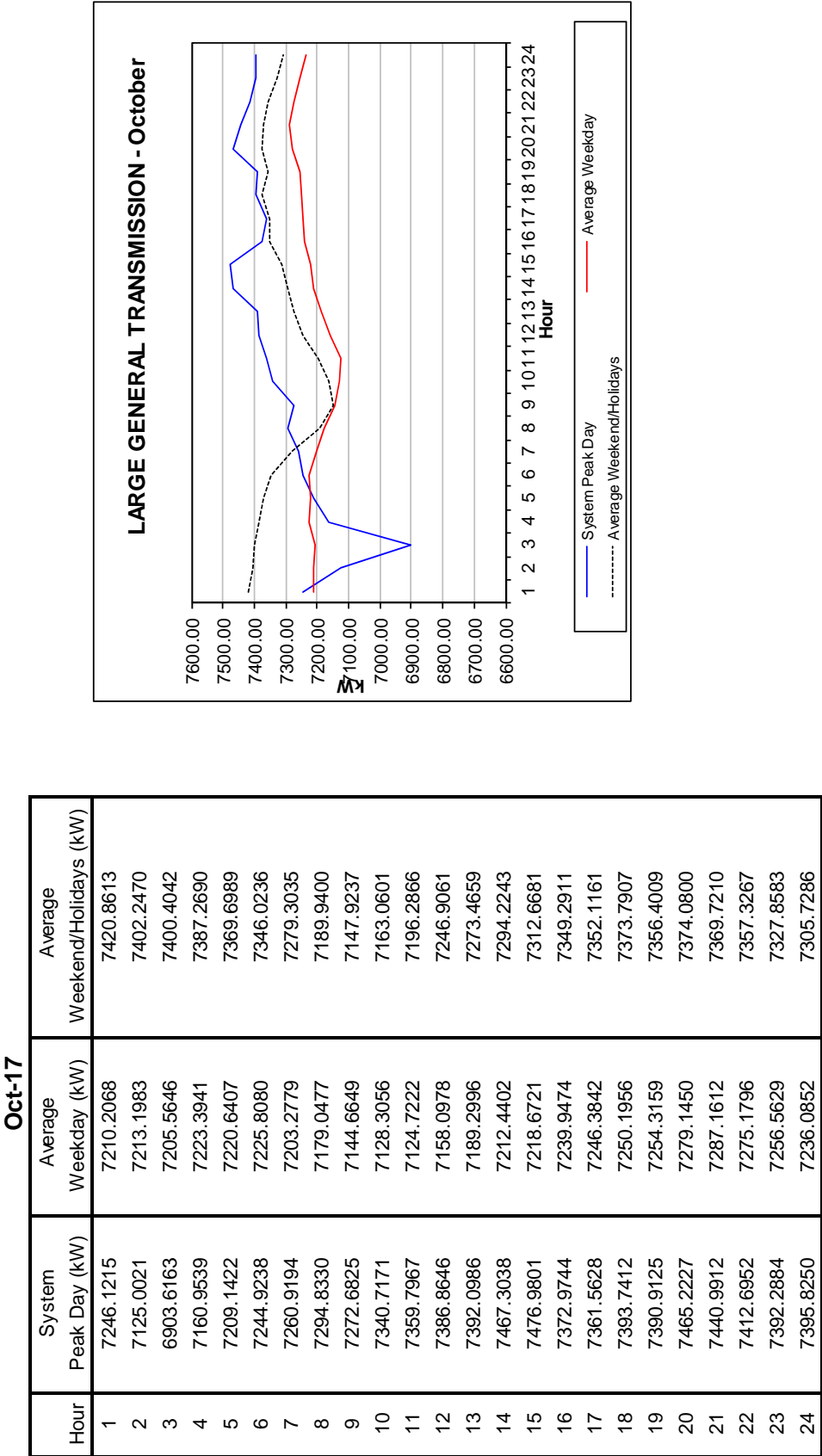
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-6.9



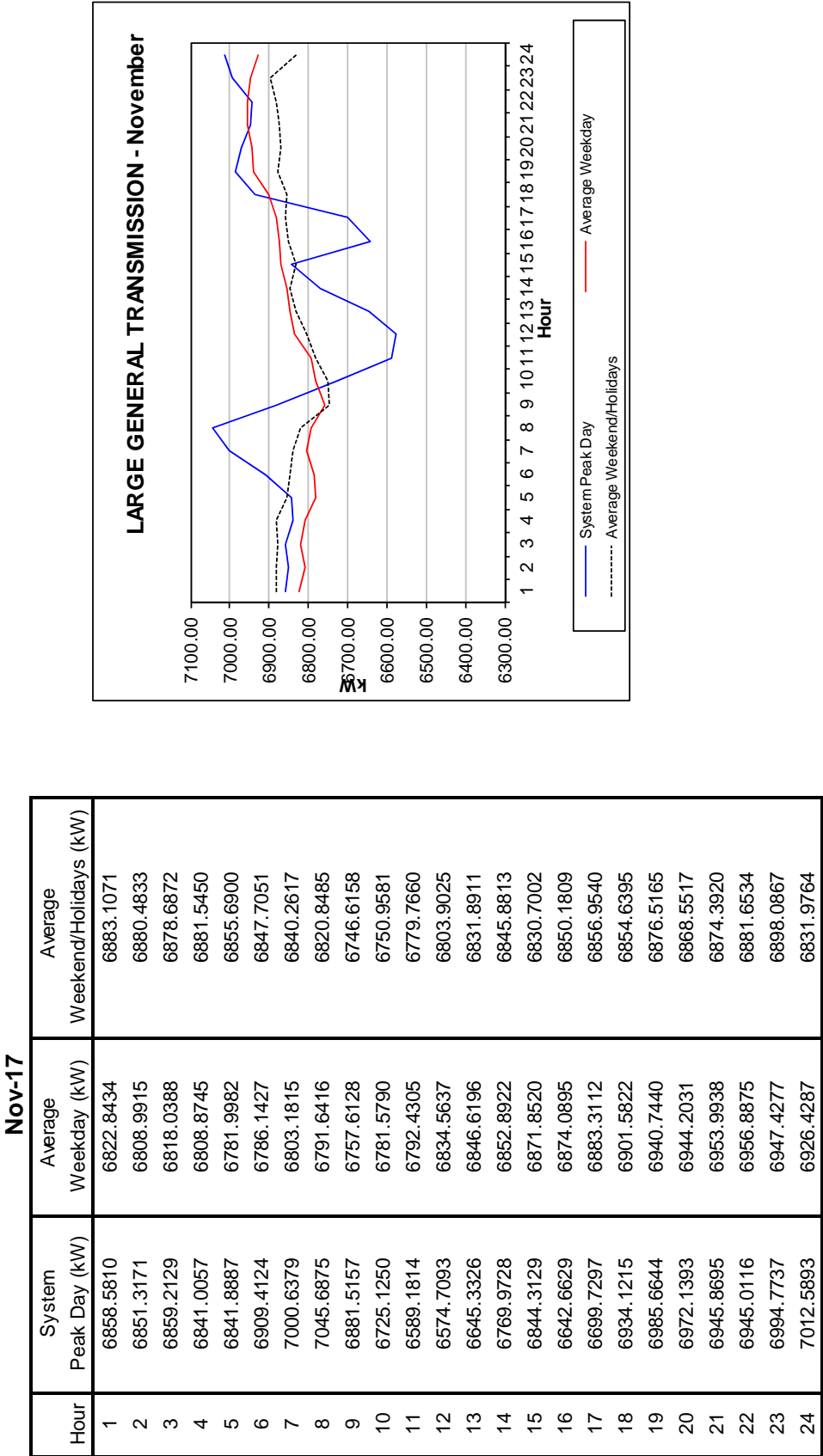
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-6.10



Southwestern Public Service Company  
Hourly Load Profiles

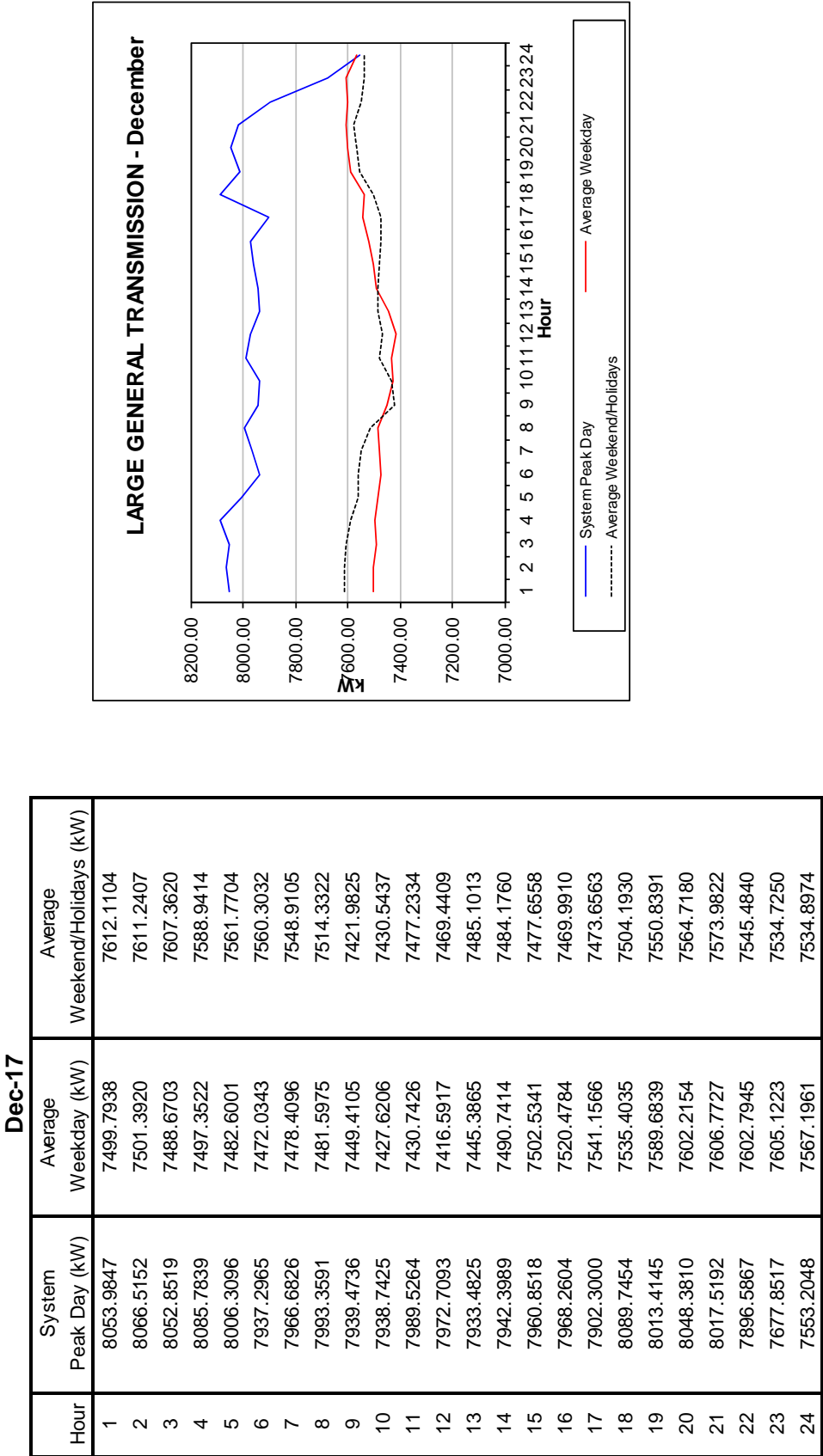
TABLE E-6.11





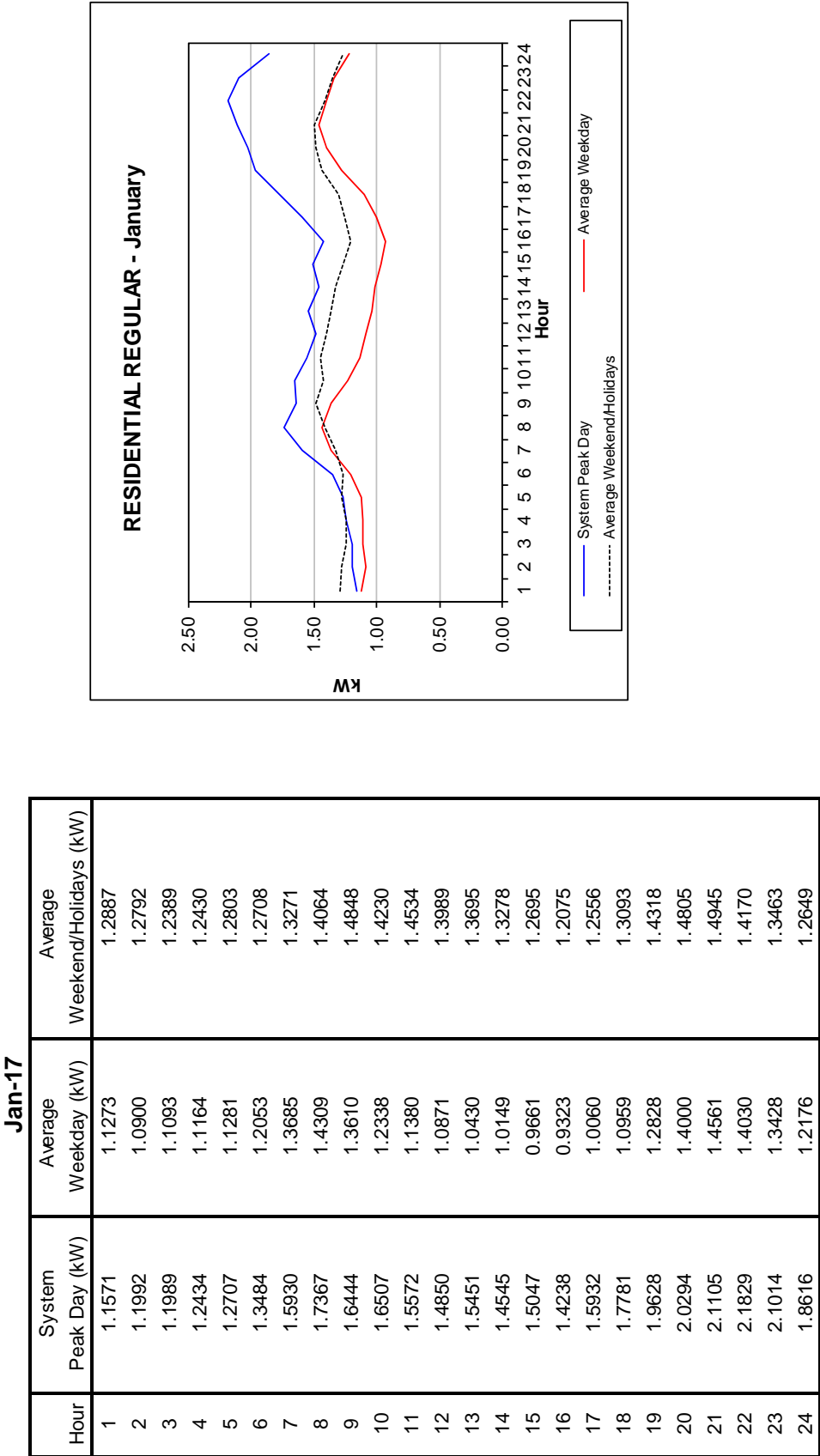
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-6.12



Southwestern Public Service Company  
Hourly Load Profiles

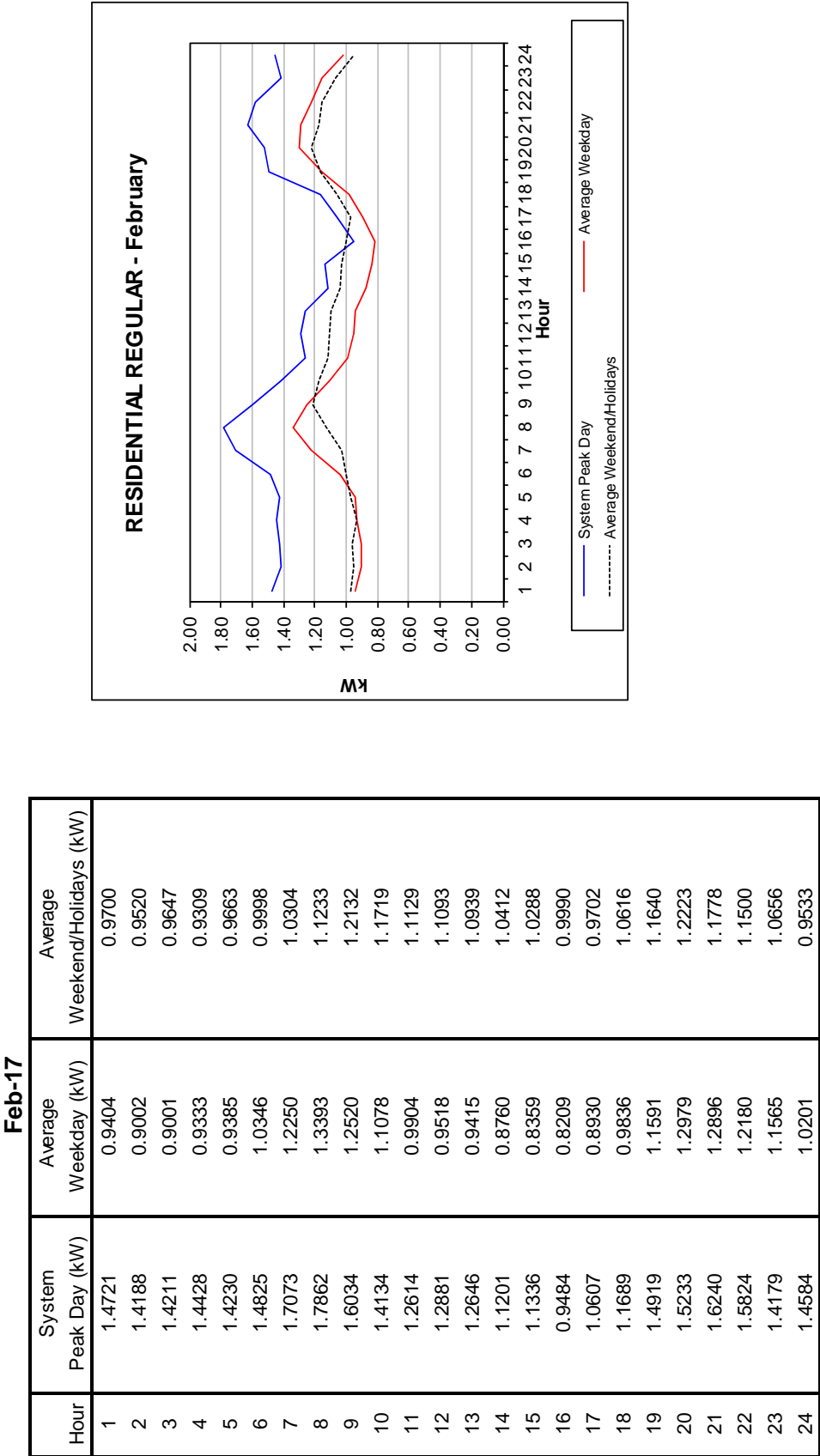
TABLE E-7.1



Southwestern Public Service Company

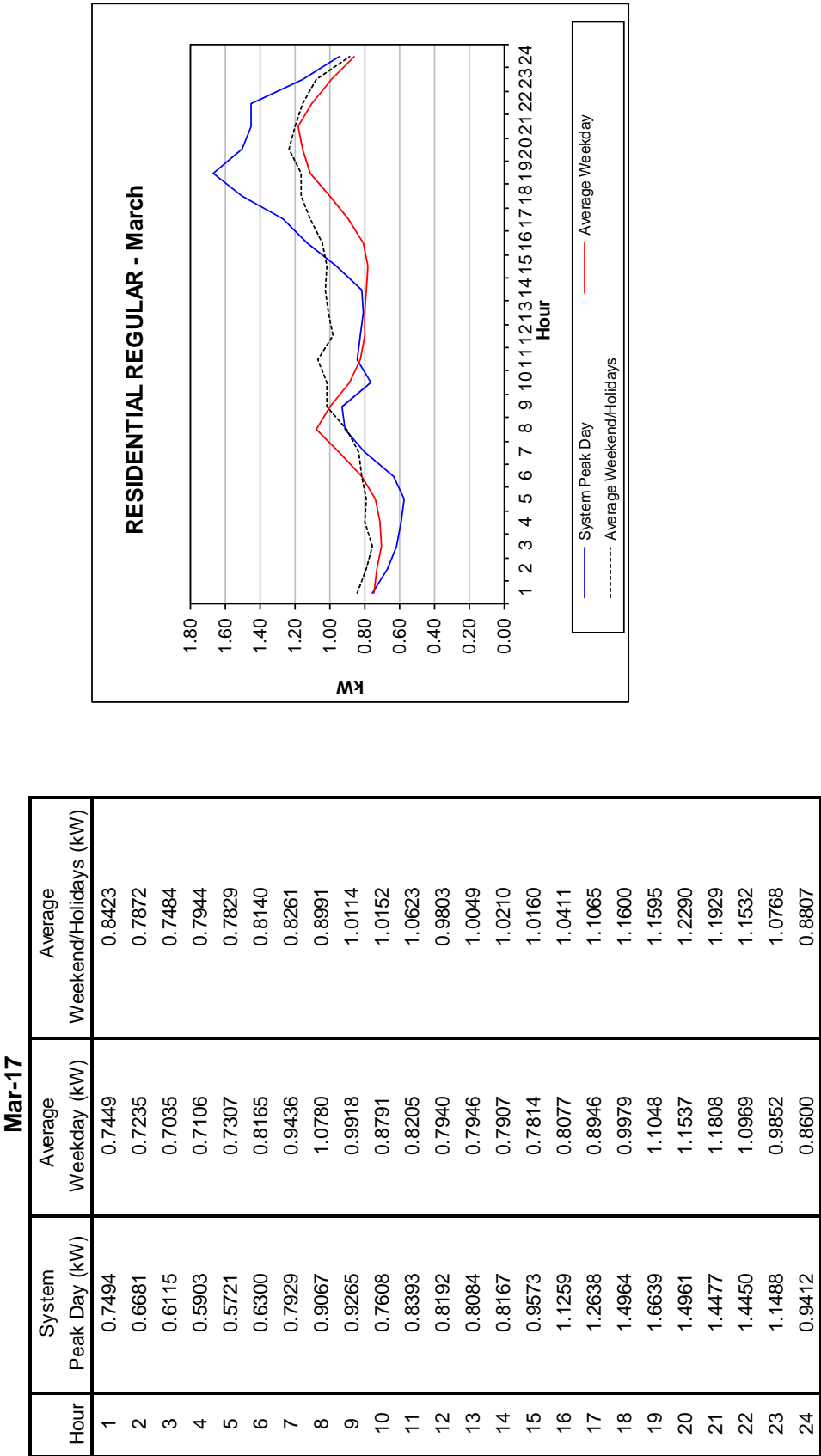
Hourly Load Profiles

TABLE E-7.2



Southwestern Public Service Company  
Hourly Load Profiles

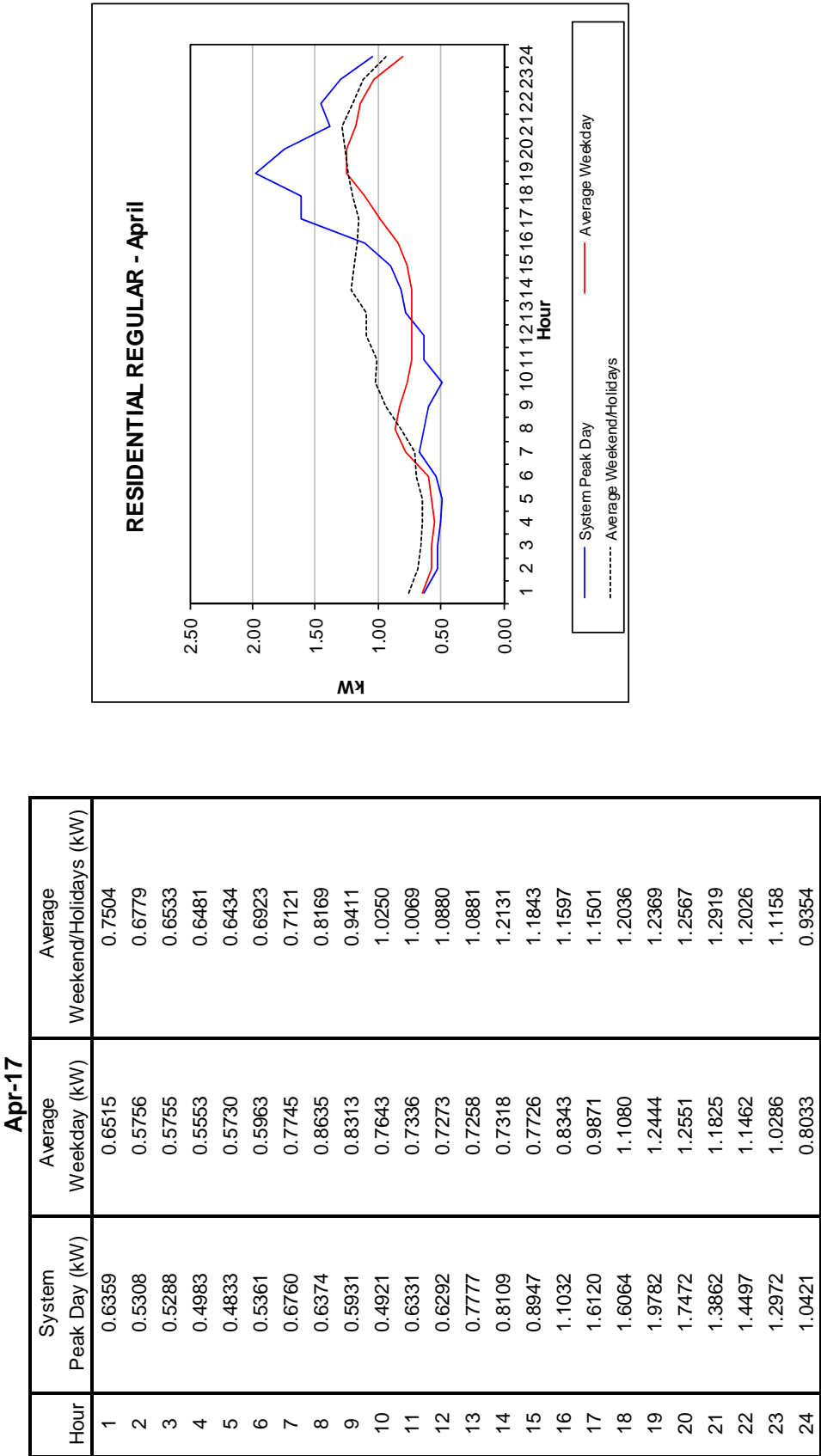
TABLE E-7.3



Southwestern Public Service Company

Hourly Load Profiles

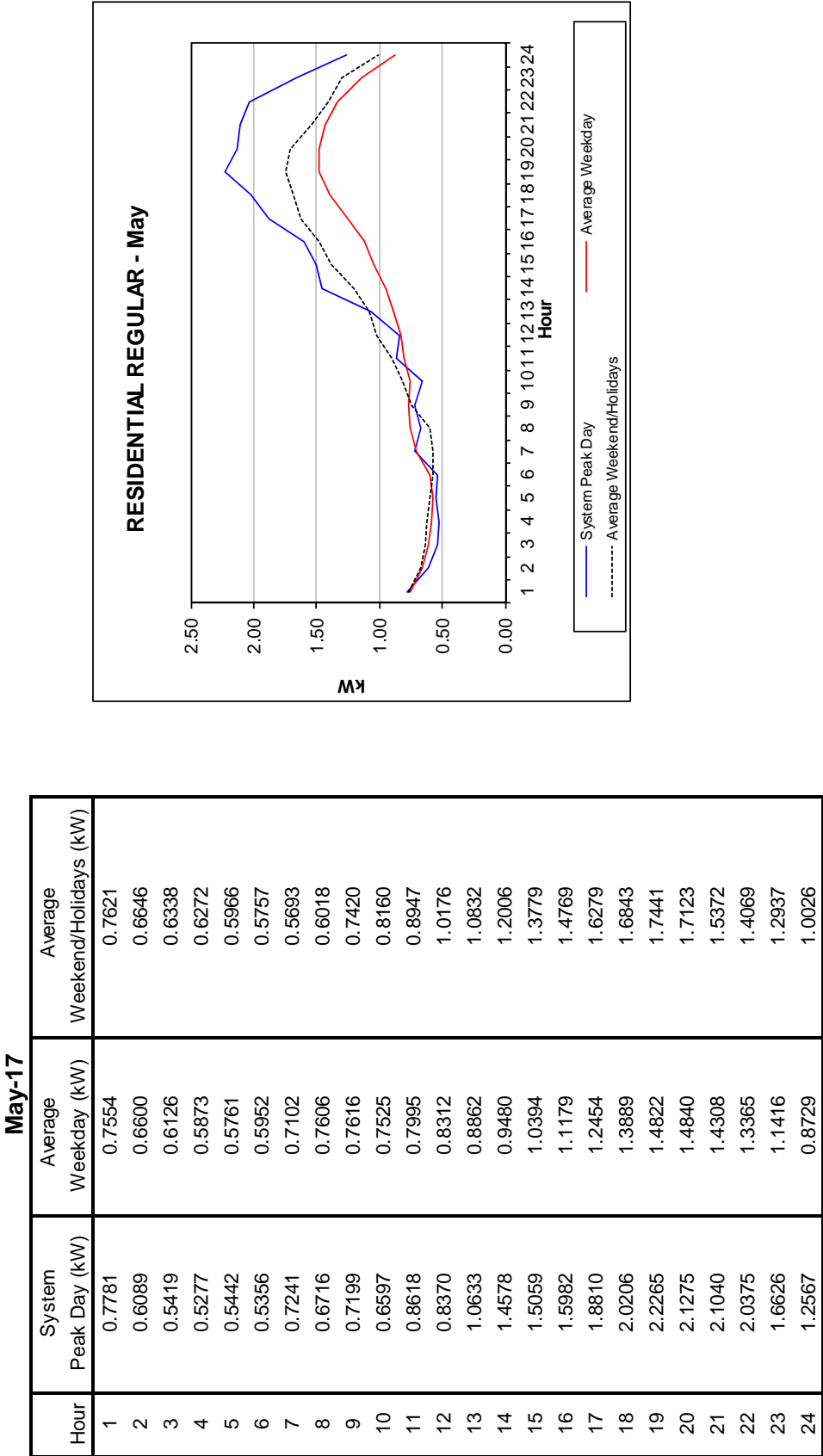
TABLE E-7.4



Southwestern Public Service Company

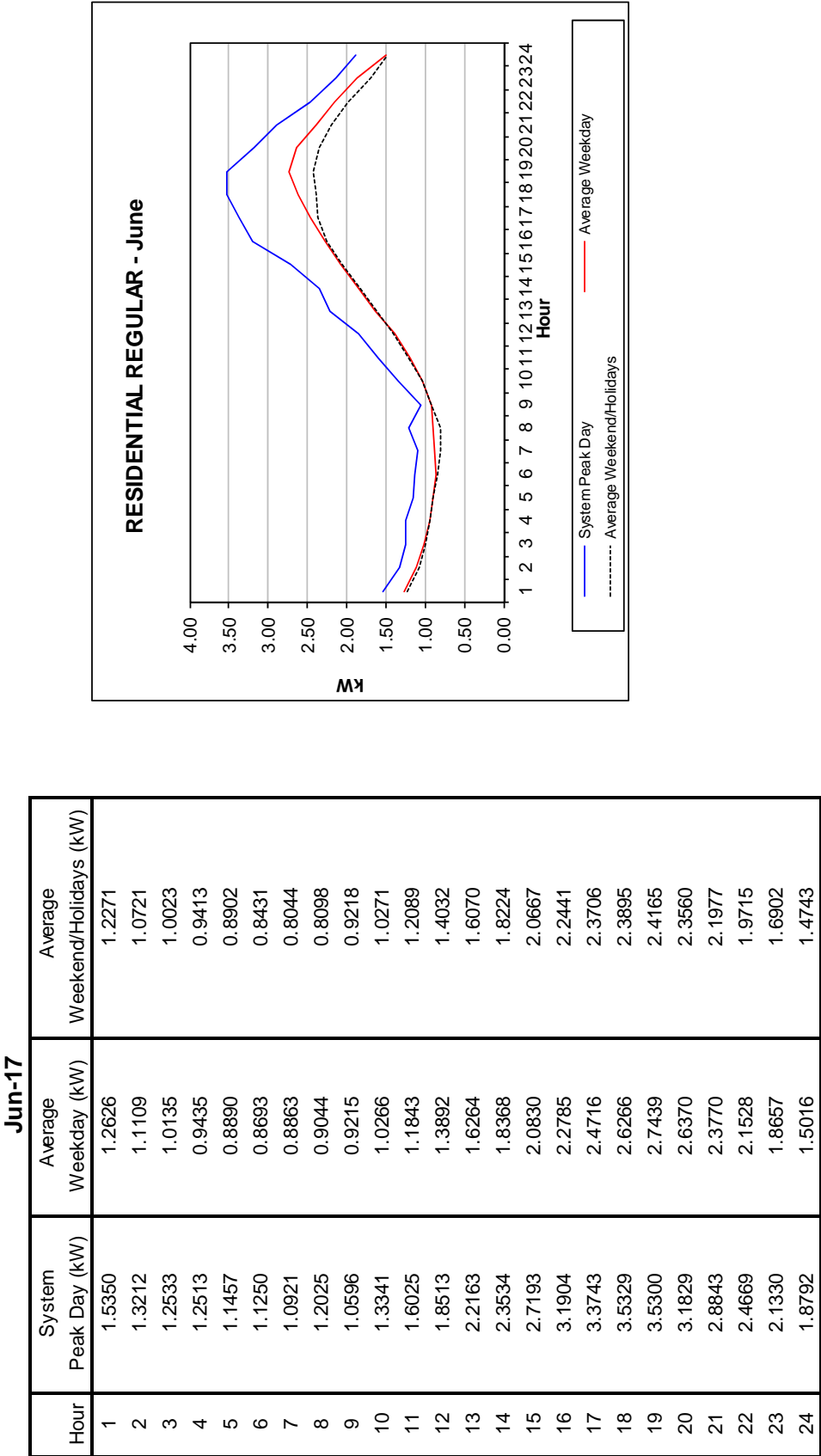
Hourly Load Profiles

TABLE E-7.5



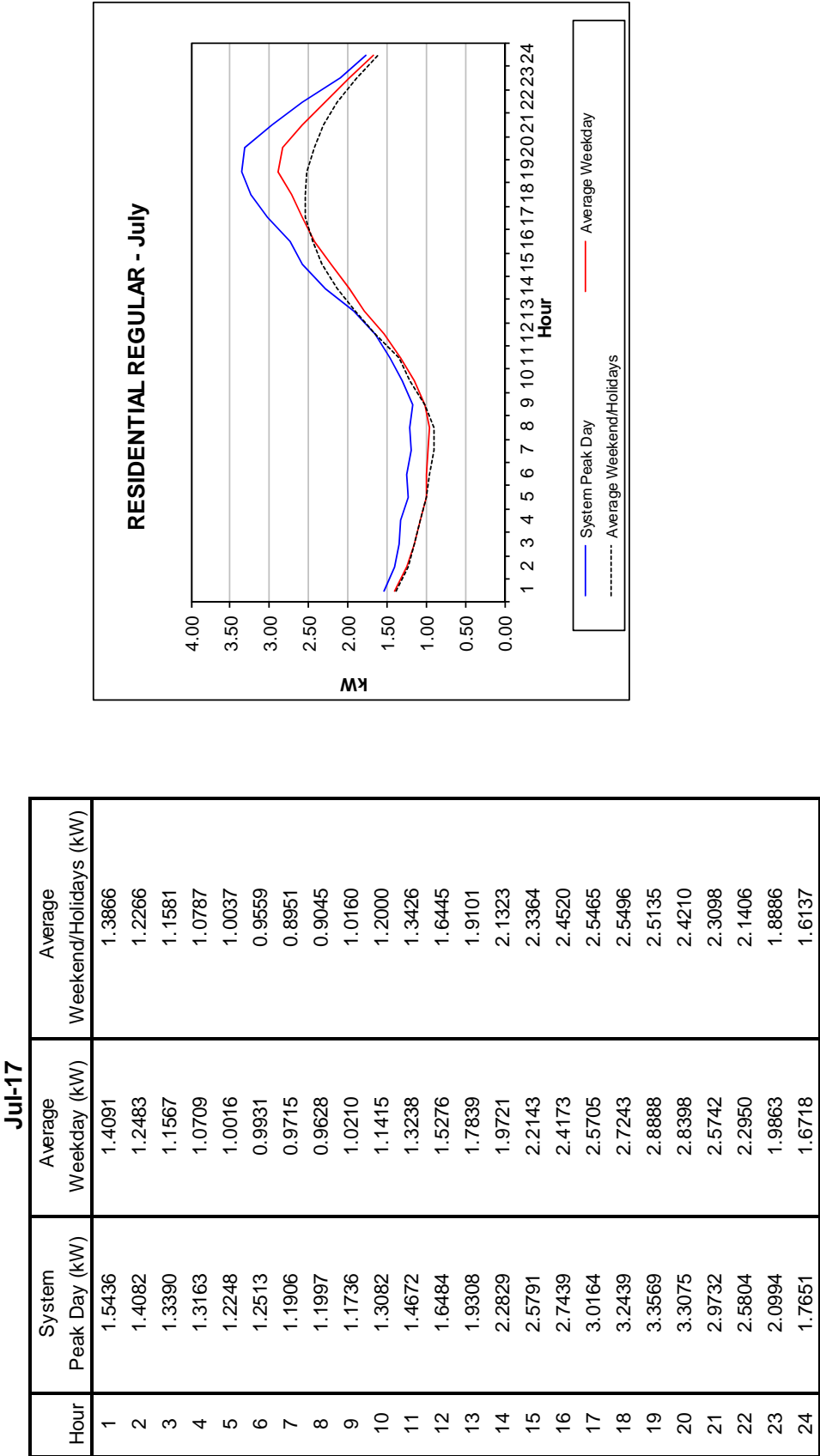
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-7.6



Southwestern Public Service Company  
Hourly Load Profiles

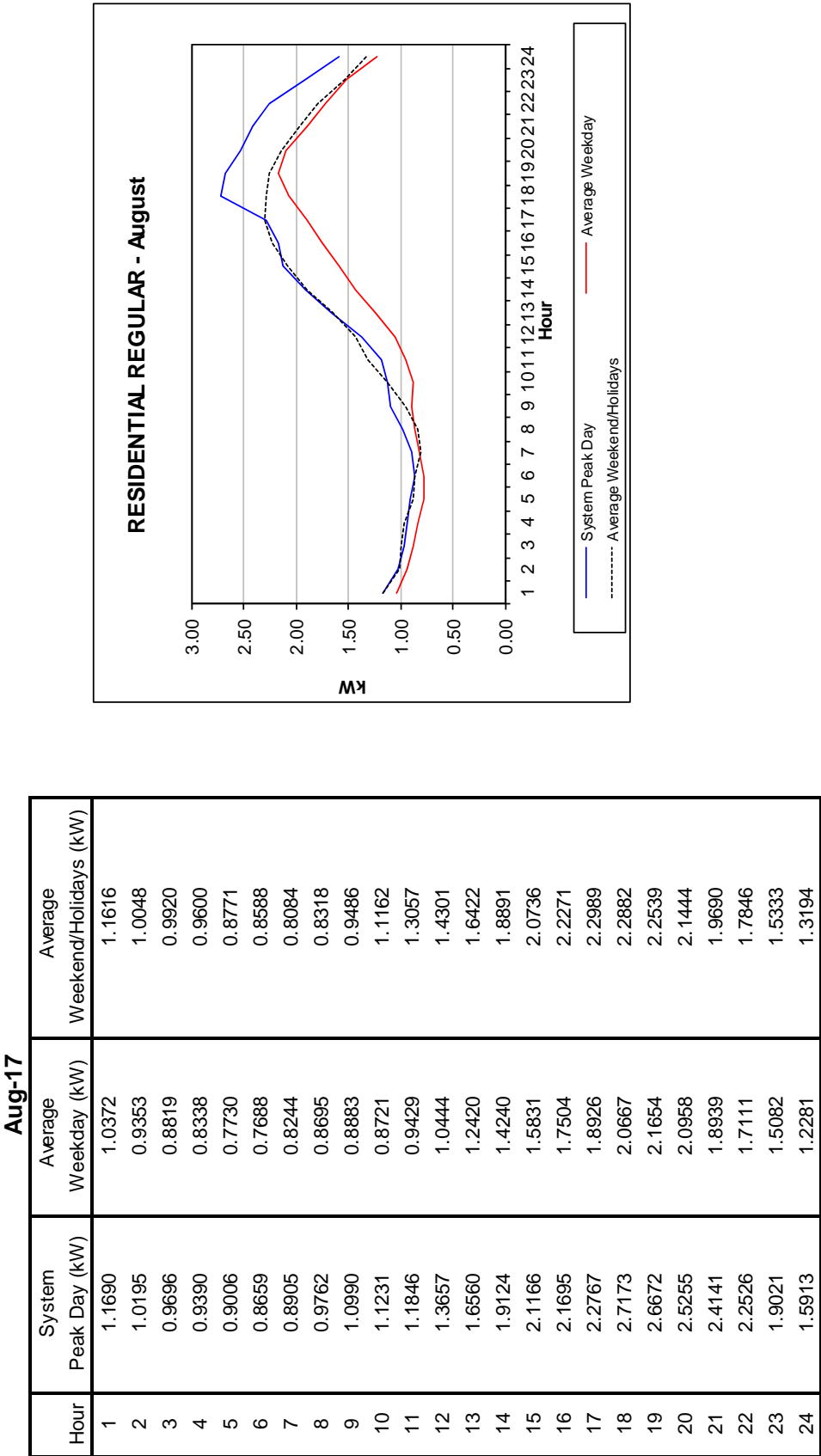
TABLE E-7.7





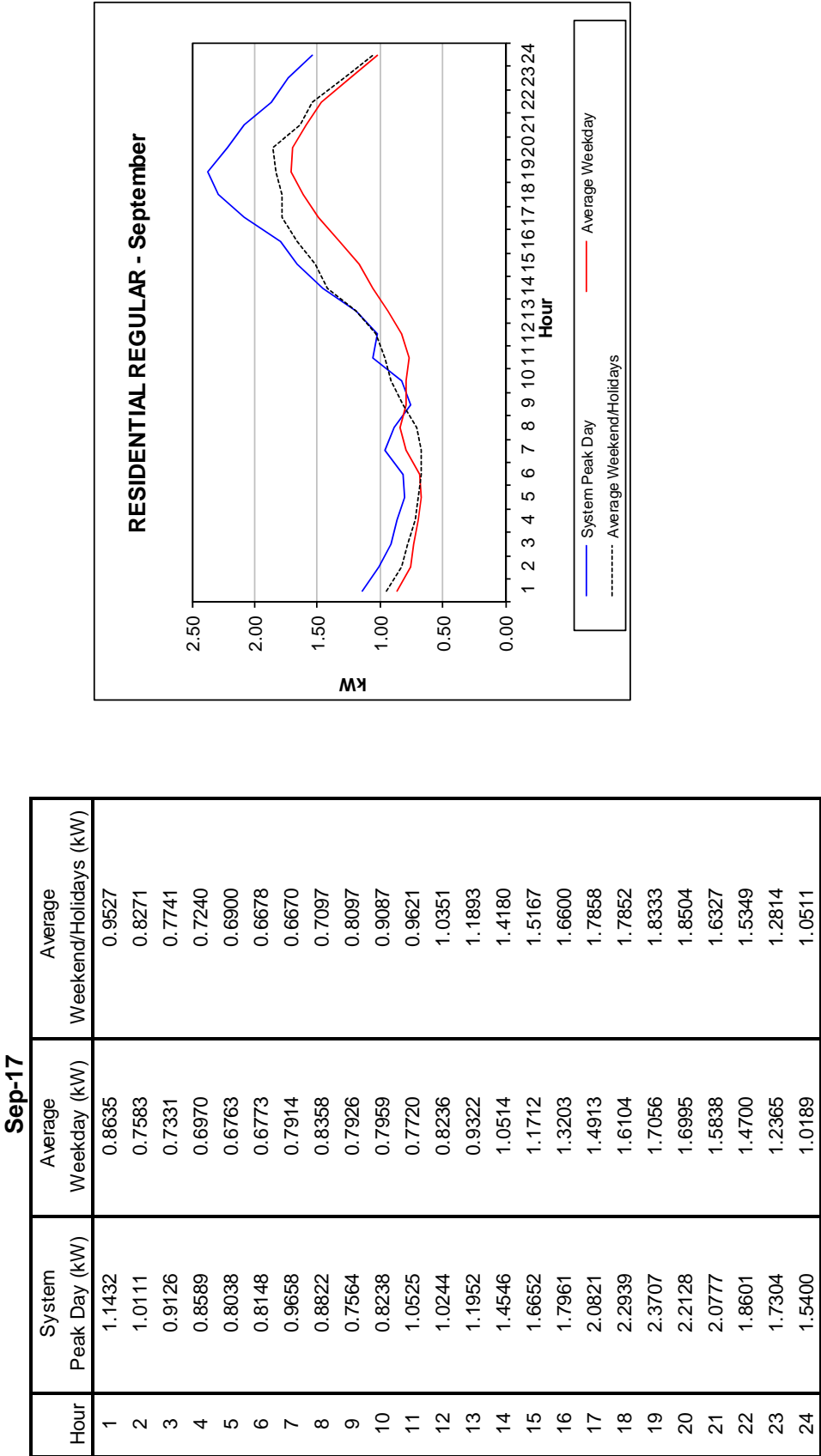
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-7.8



Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-7.9

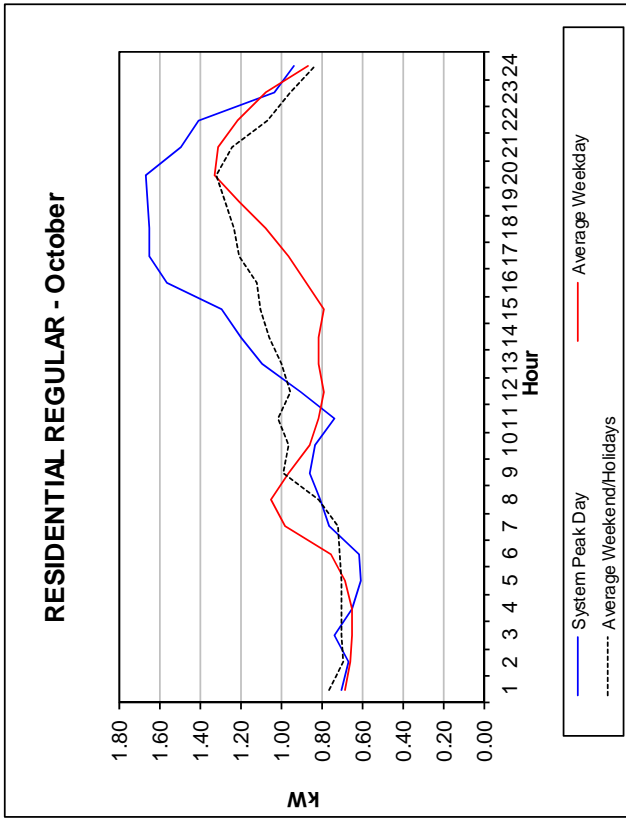


# Southwestern Public Service Company

## Hourly Load Profiles

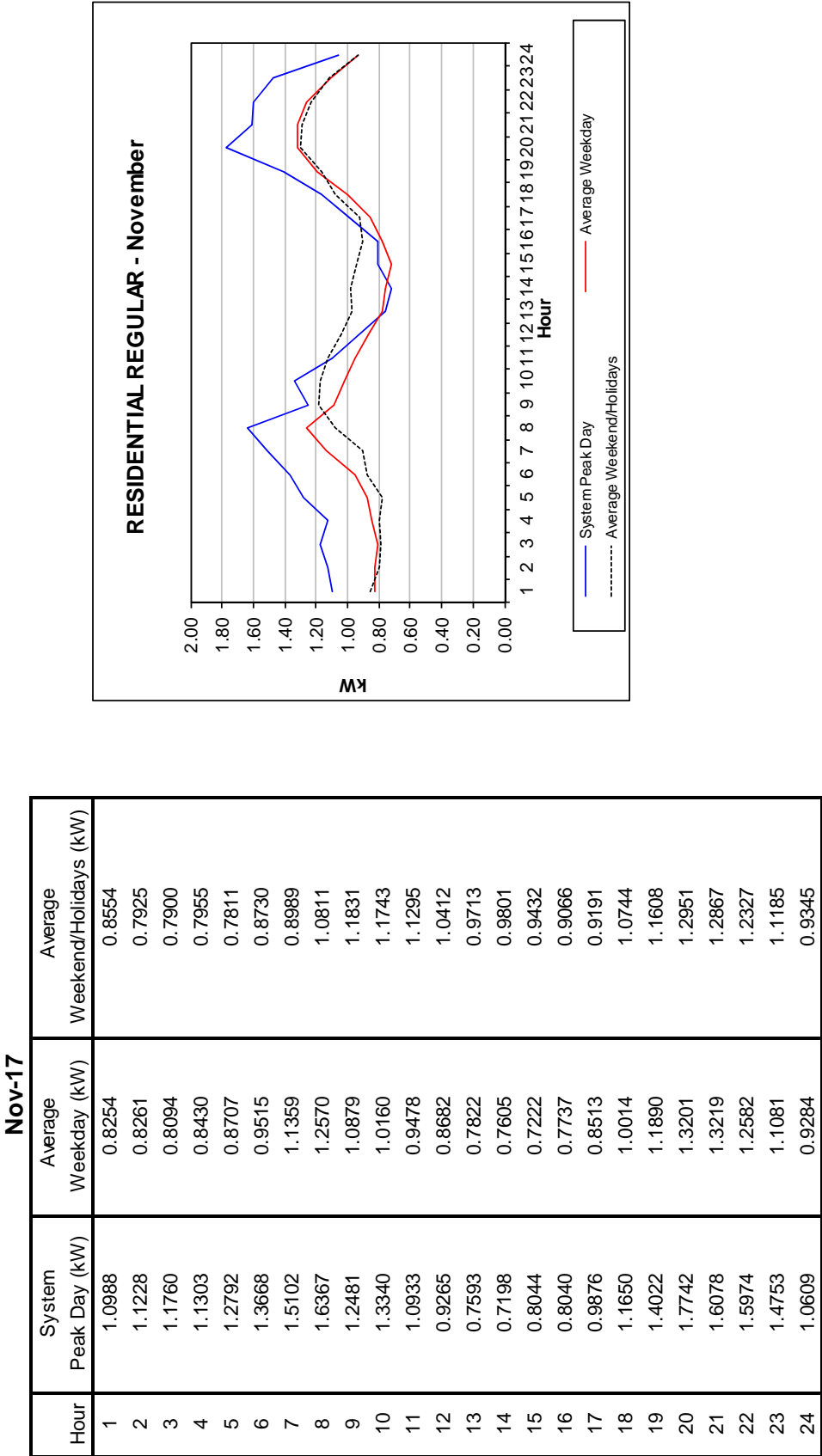
**TABLE E-7.10**

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	0.6995	0.6855	0.7584
2	0.6630	0.6539	0.6939
3	0.7323	0.6463	0.7004
4	0.6465	0.6500	0.6985
5	0.6064	0.6868	0.7034
6	0.6159	0.7552	0.7077
7	0.7641	0.9782	0.7163
8	0.8043	1.0490	0.8107
9	0.8542	0.9584	0.9905
10	0.8316	0.8576	0.9614
11	0.7381	0.8102	1.0173
12	0.9038	0.7898	0.9512
13	1.0896	0.8117	0.9987
14	1.1982	0.8107	1.0589
15	1.2871	0.7875	1.1002
16	1.5595	0.8716	1.1210
17	1.6446	0.9649	1.2064
18	1.6444	1.0749	1.2276
19	1.6528	1.2035	1.2781
20	1.6638	1.3252	1.3143
21	1.4910	1.3057	1.2359
22	1.4055	1.2135	1.0683
23	1.0328	1.0757	0.9485
24	0.9364	0.8659	0.8275



Southwestern Public Service Company  
Hourly Load Profiles

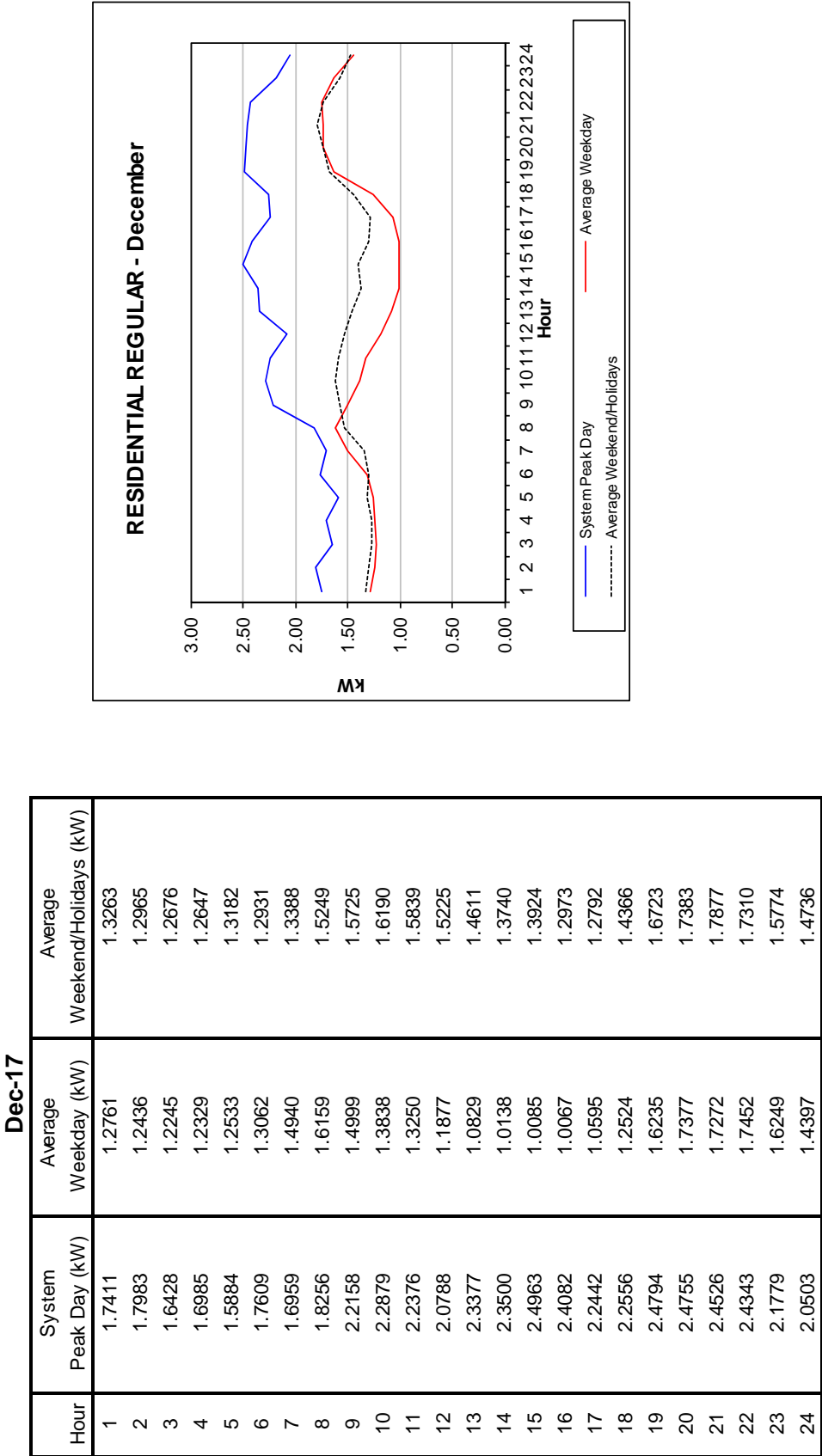
TABLE E-7.11



Southwestern Public Service Company

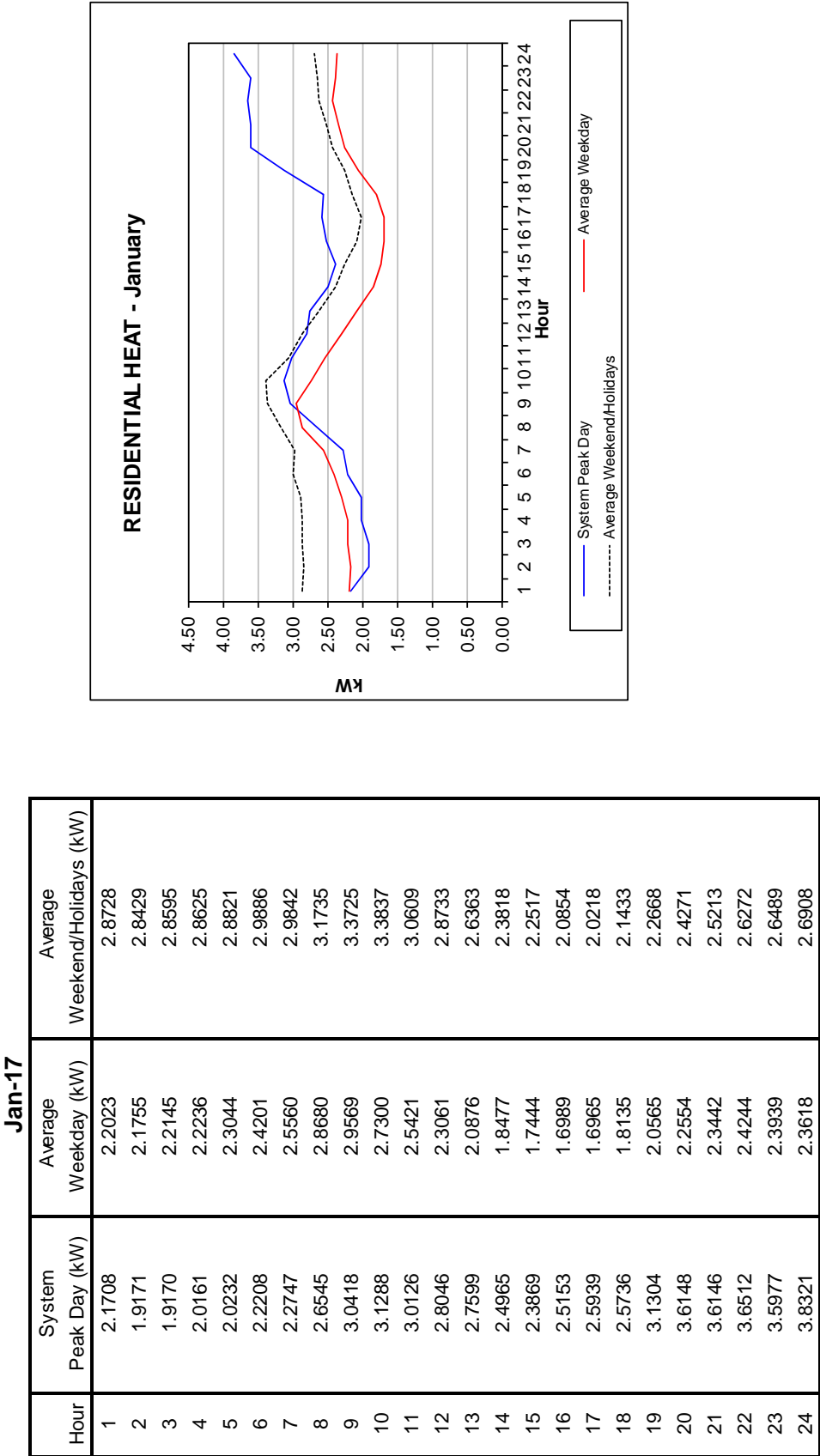
Hourly Load Profiles

TABLE E-7.12



Southwestern Public Service Company  
Hourly Load Profiles

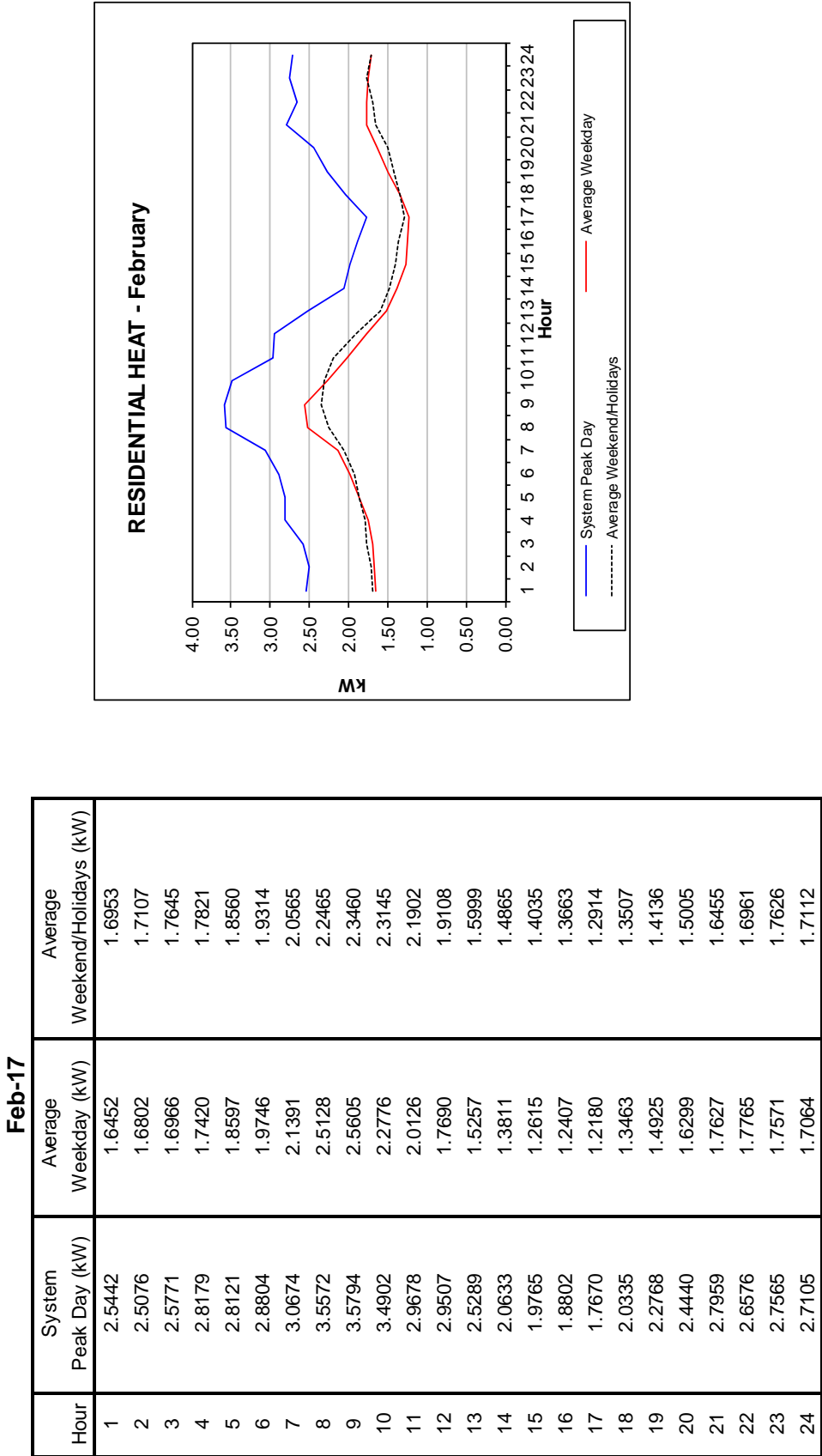
TABLE E-8.1



Southwestern Public Service Company

Hourly Load Profiles

TABLE E-8.2



Southwestern Public Service Company

Hourly Load Profiles

TABLE E-8.3

Mar-17			
Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	1.0863	1.2252	1.2867
2	0.8921	1.1729	1.2016
3	0.8017	1.1582	1.1891
4	0.7472	1.1551	1.2213
5	0.7882	1.1880	1.2082
6	0.8623	1.3439	1.2683
7	0.8593	1.4716	1.3314
8	0.9810	1.7865	1.4500
9	1.1642	1.8004	1.6264
10	1.1682	1.7217	1.6918
11	1.1172	1.5043	1.6232
12	1.1099	1.3742	1.4894
13	1.2586	1.2717	1.3904
14	1.2701	1.2013	1.3118
15	1.3117	1.1889	1.3440
16	1.4399	1.1802	1.2217
17	1.7160	1.2099	1.2870
18	1.9856	1.2980	1.3158
19	1.9881	1.4078	1.3472
20	2.0103	1.4830	1.3509
21	1.7618	1.5251	1.4146
22	1.7275	1.5200	1.4248
23	1.5748	1.4867	1.3516
24	1.6103	1.3248	1.3197

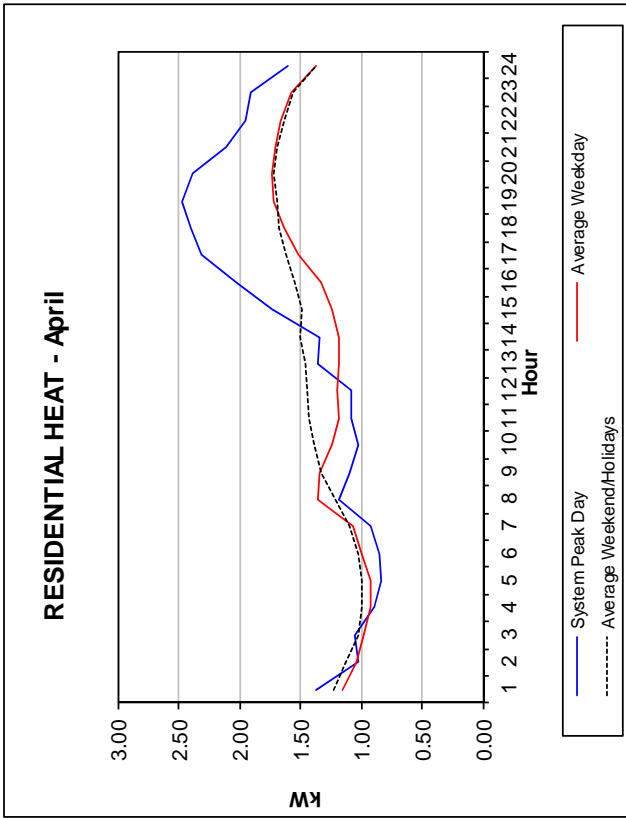
RESIDENTIAL HEAT - March



## Southwestern Public Service Company Hourly Load Profiles

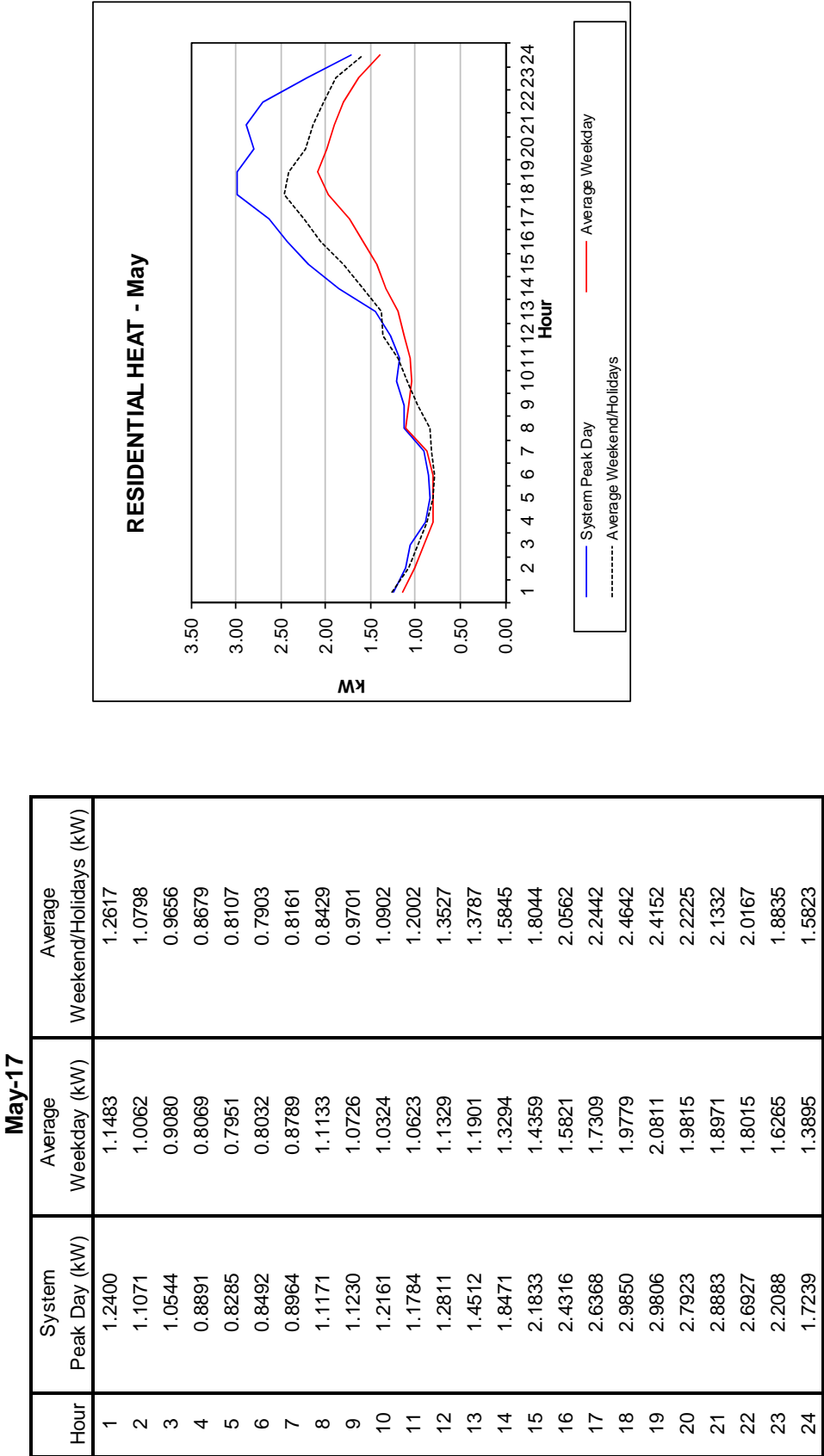
### TABLE E-8.4

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	1.3665	1.1533	1.2211
2	1.0160	1.0372	1.1292
3	1.0565	0.9835	1.0243
4	0.8861	0.9149	0.9973
5	0.8311	0.9174	0.9892
6	0.8482	0.9962	1.0222
7	0.9238	1.0609	1.1002
8	1.1826	1.3492	1.2119
9	1.0932	1.3345	1.3260
10	1.0189	1.2458	1.3831
11	1.0807	1.1850	1.4255
12	1.0856	1.1909	1.4395
13	1.3612	1.1865	1.4563
14	1.3459	1.1778	1.4979
15	1.7247	1.2394	1.4886
16	2.0171	1.3219	1.5455
17	2.3139	1.5132	1.6104
18	2.3924	1.6294	1.6788
19	2.4762	1.7159	1.6922
20	2.3856	1.7349	1.7135
21	2.1109	1.7099	1.6881
22	1.9482	1.6596	1.6243
23	1.8991	1.5707	1.5600
24	1.6015	1.3644	1.3709



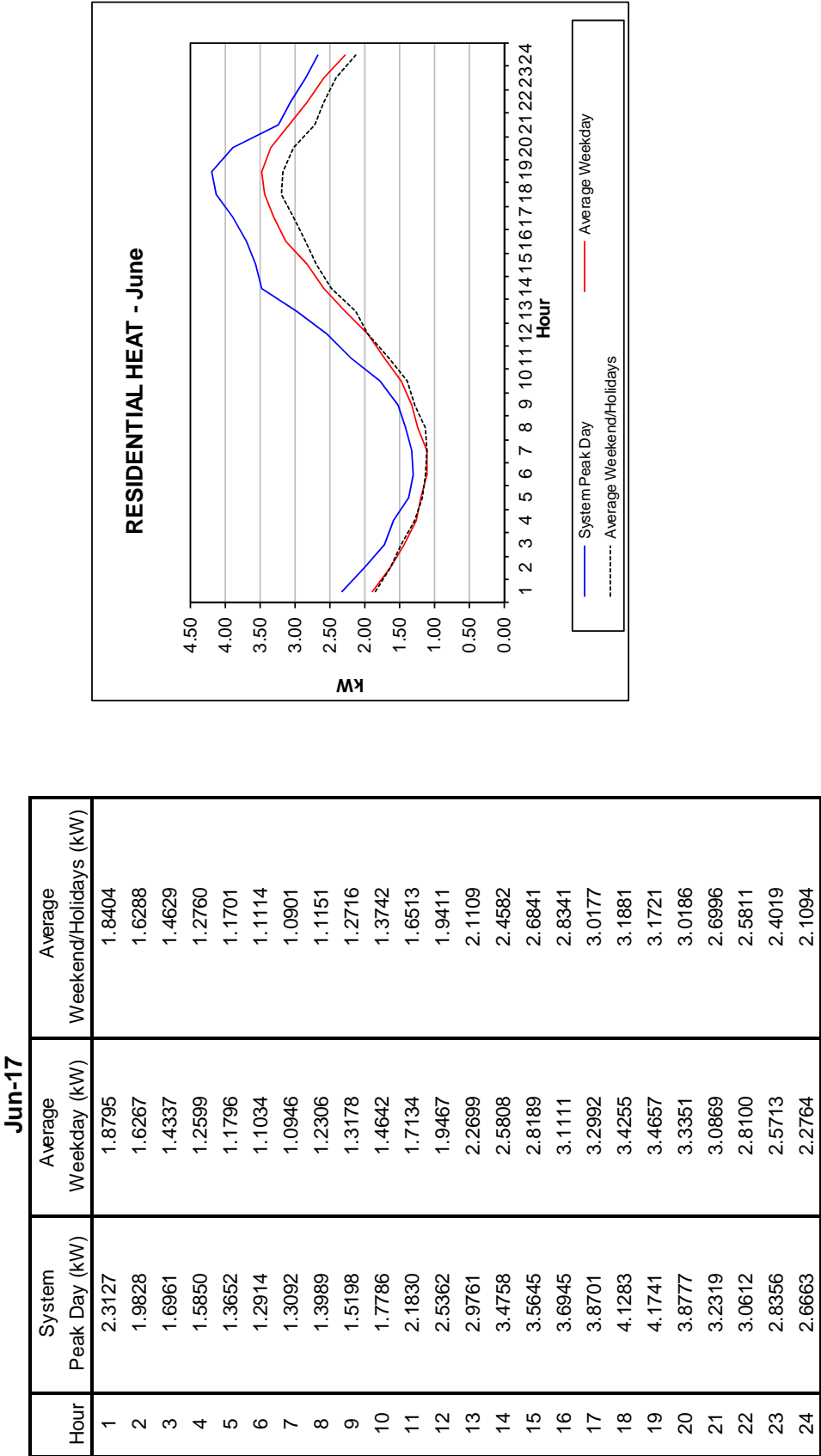
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-8.5



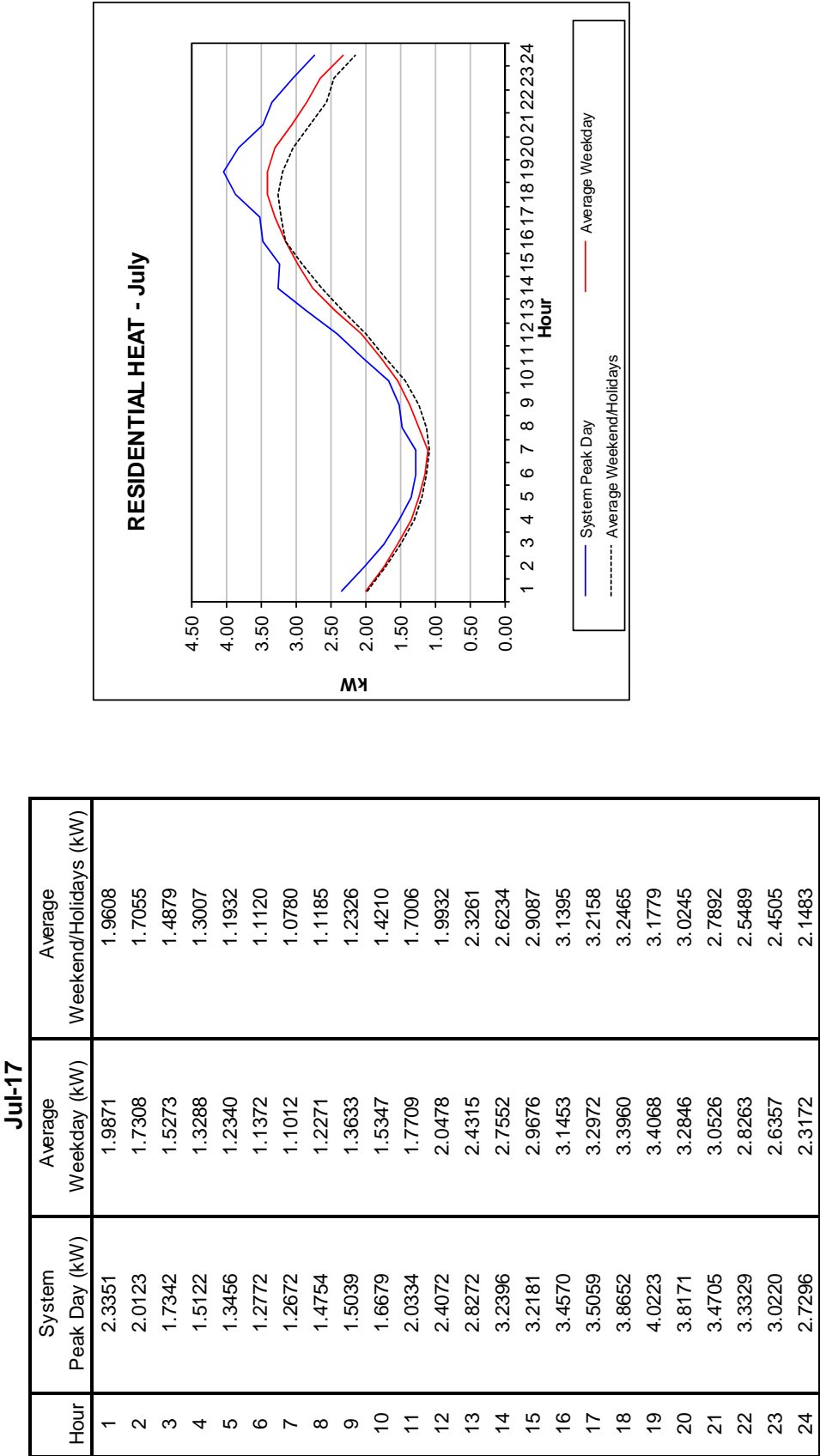
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-8.6



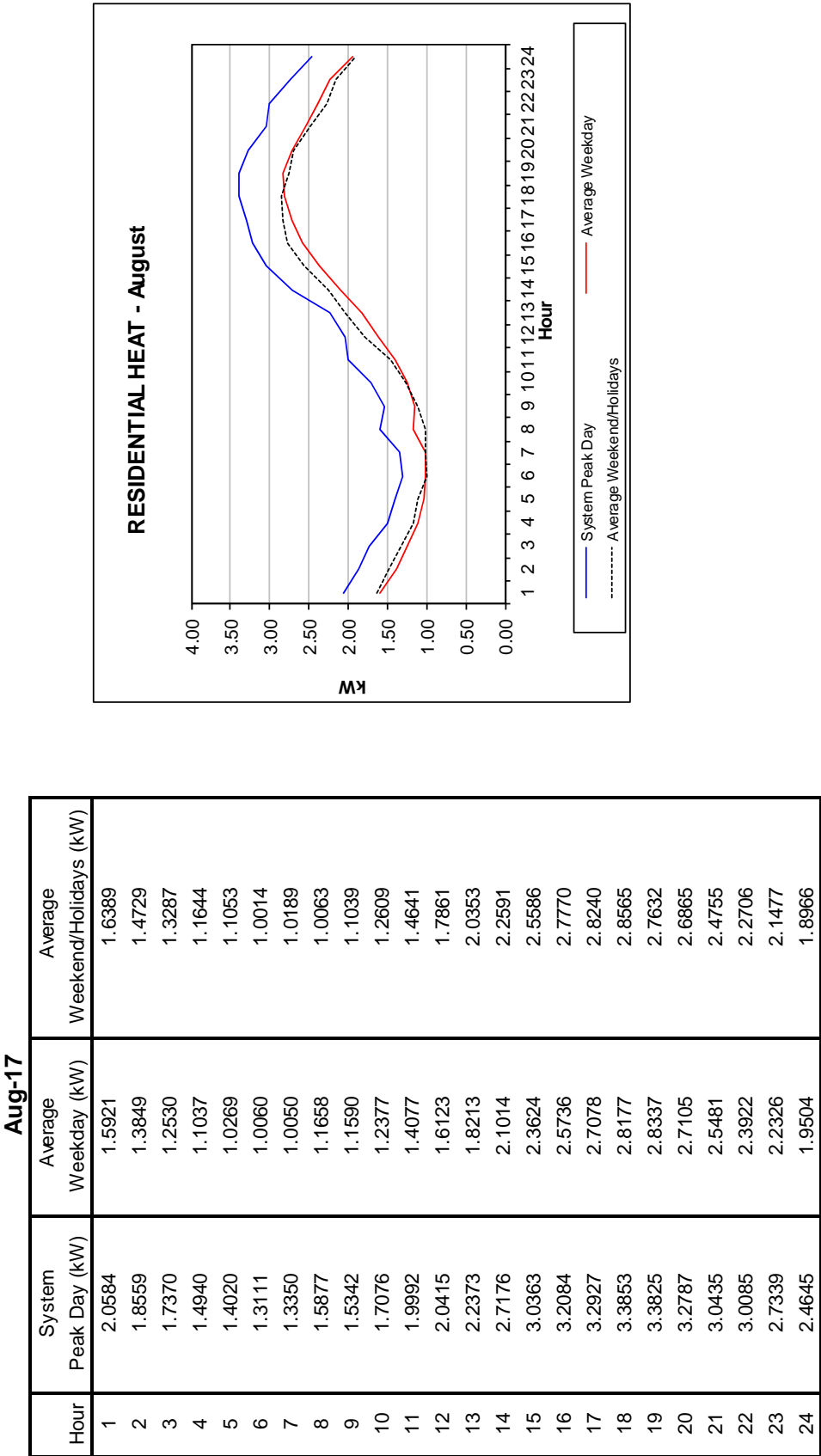
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-8.7



Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-8.8



RESIDENTIAL HEAT - August

kW

4.00

3.50

3.00

2.50

2.00

1.50

1.00

0.50

0.00

Hour

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

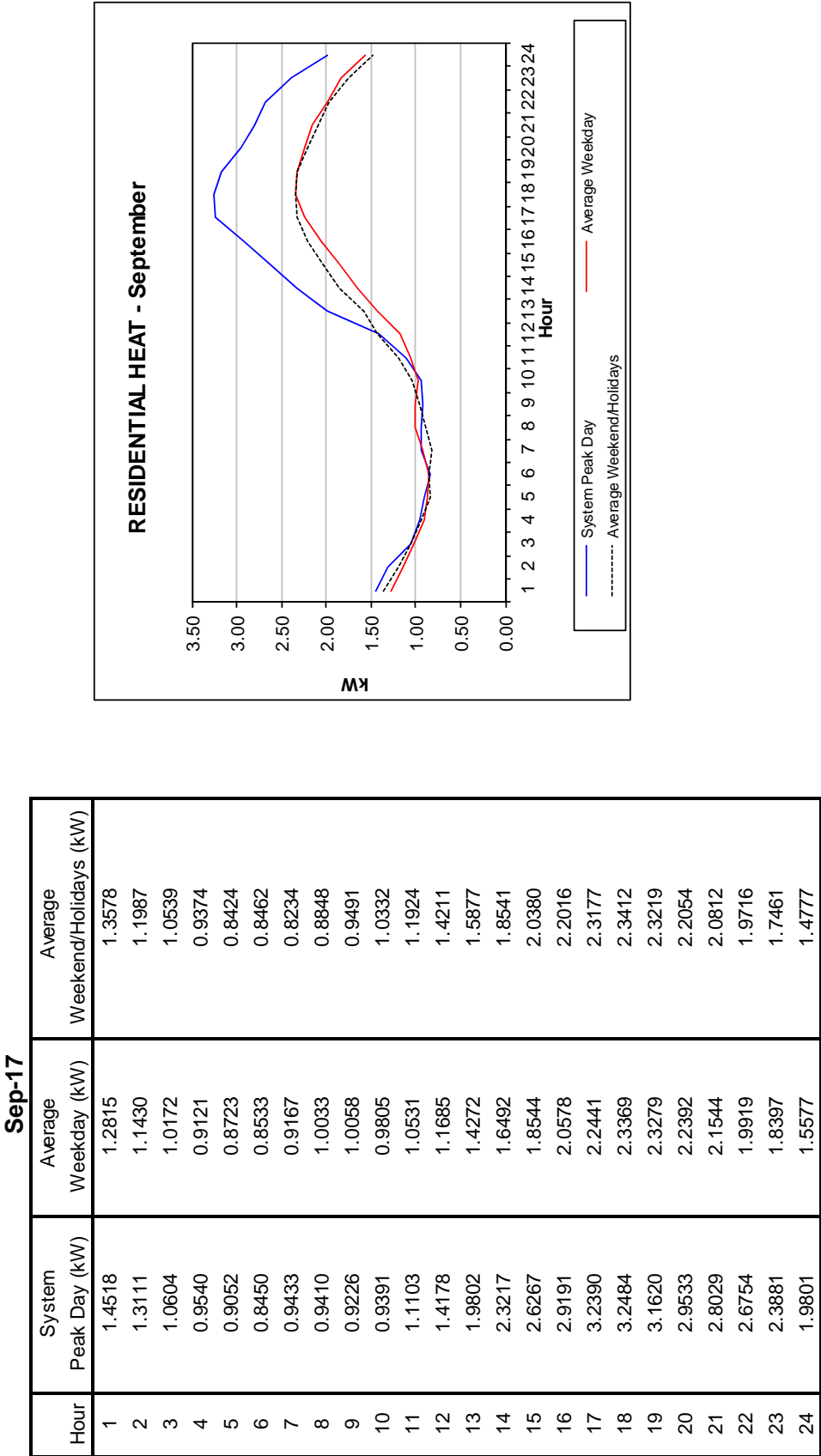
System Peak Day

Average Weekday/Holidays

Average Weekday

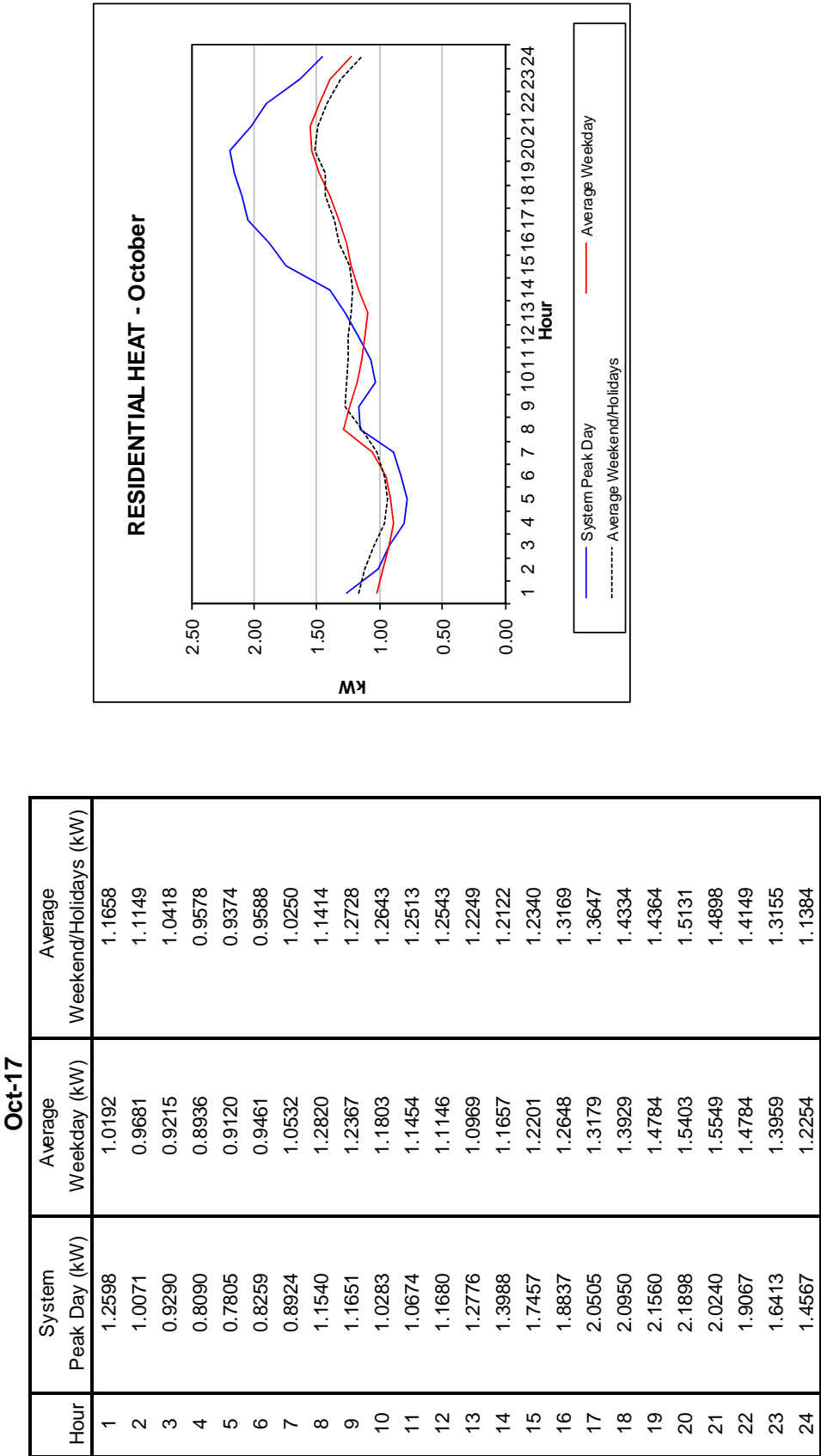
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-8.9



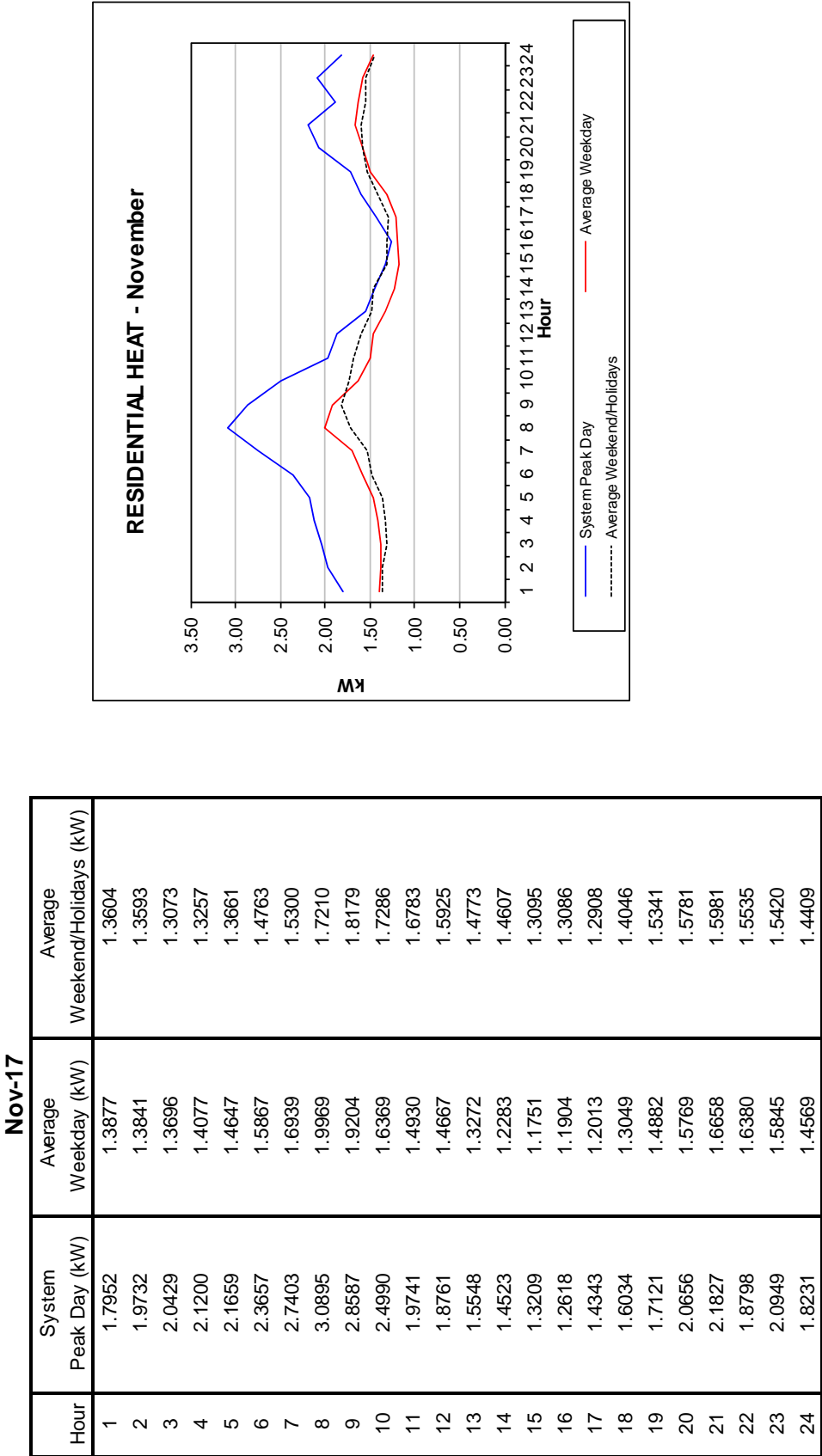
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-8.10



Southwestern Public Service Company  
Hourly Load Profiles

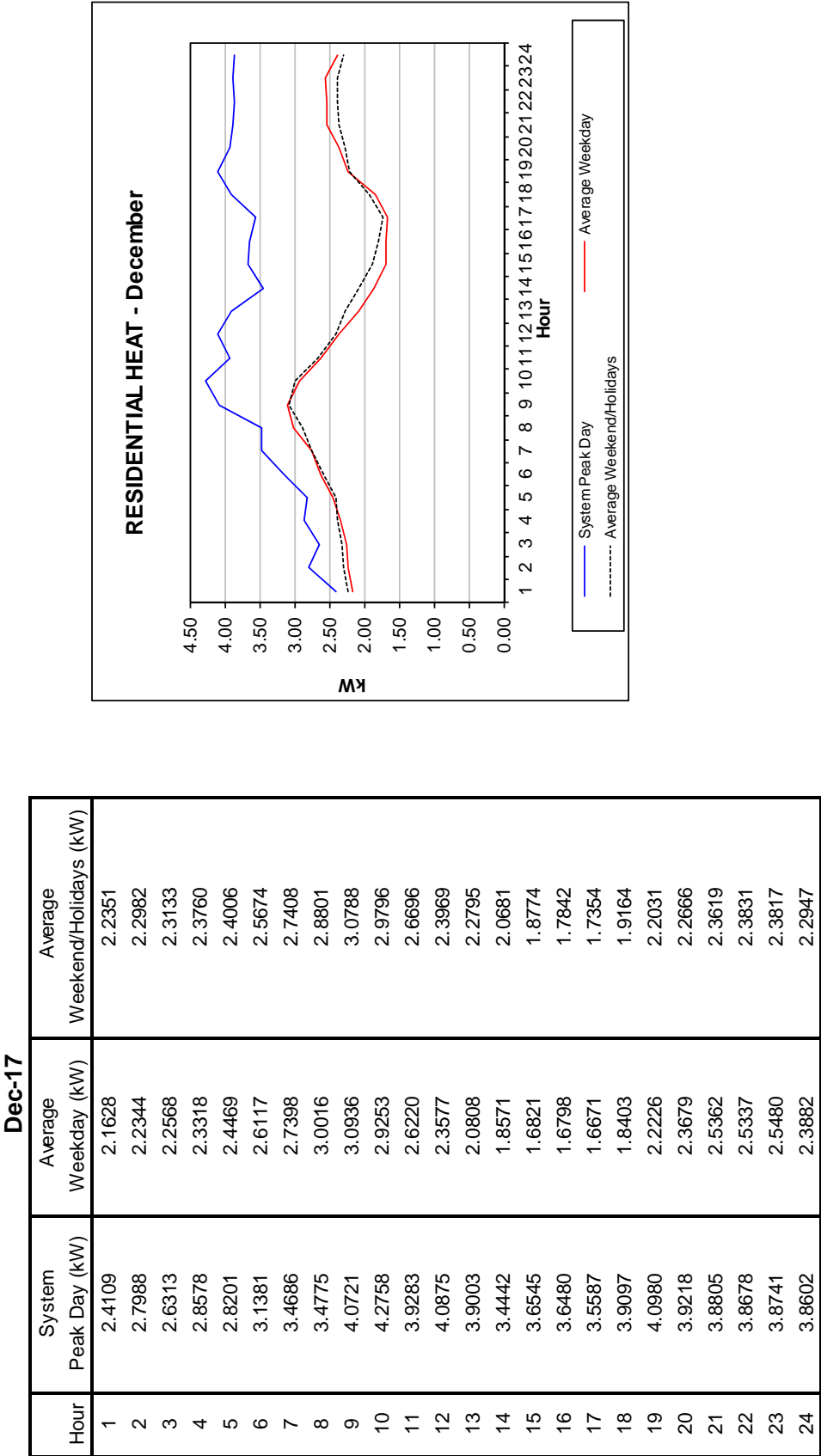
TABLE E-8.11





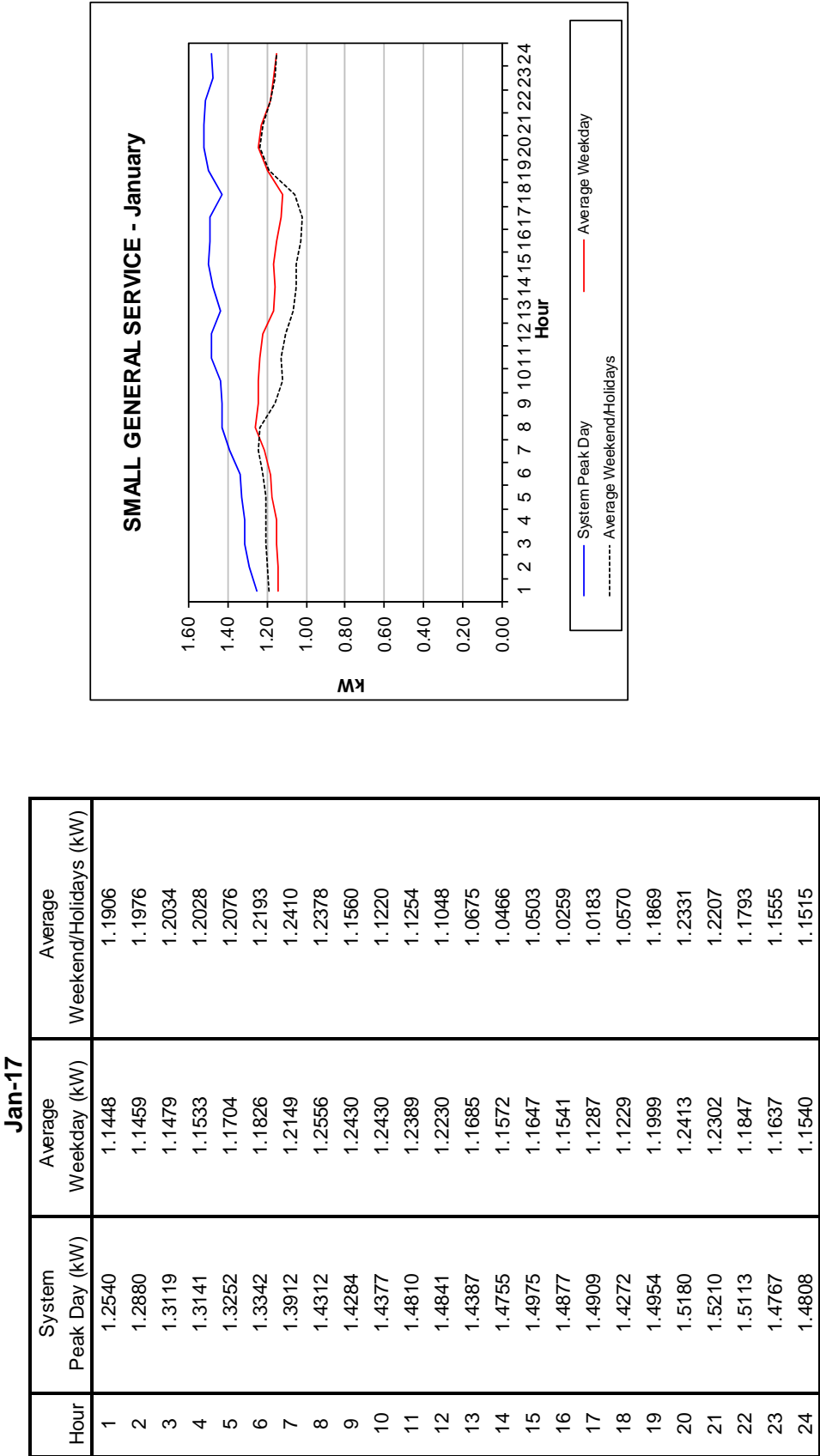
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-8.12



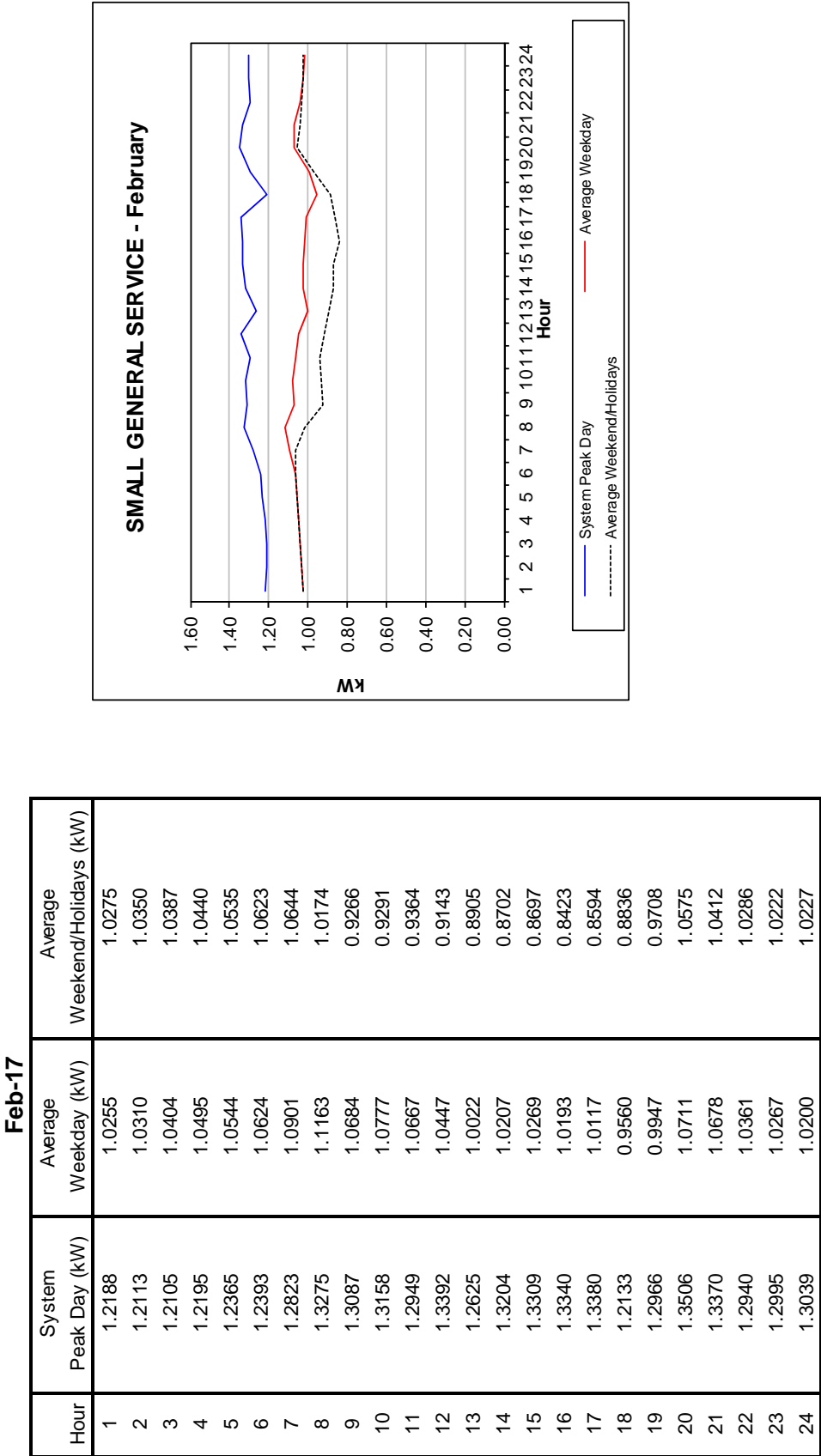
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-9.1



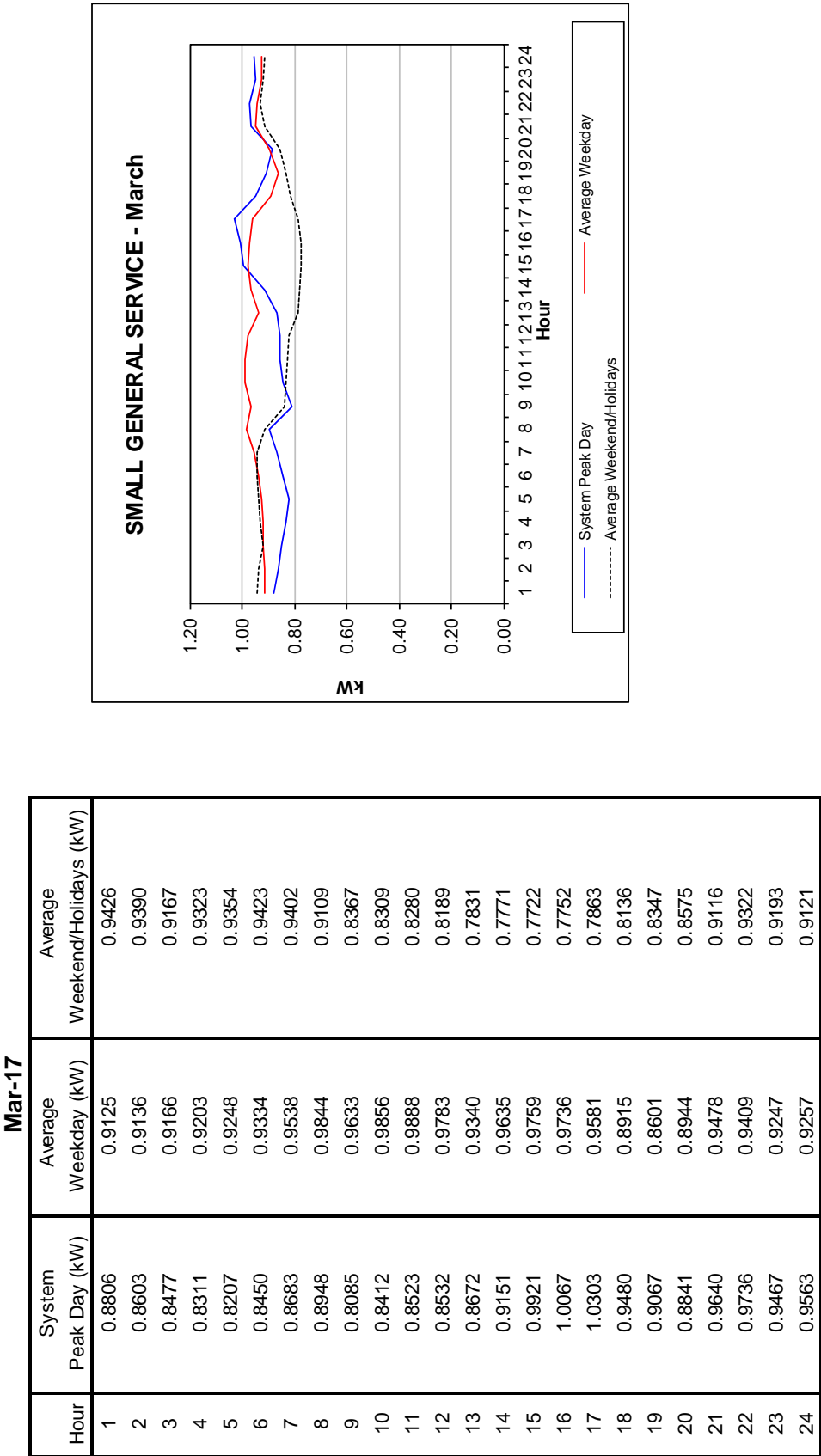
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-9.2



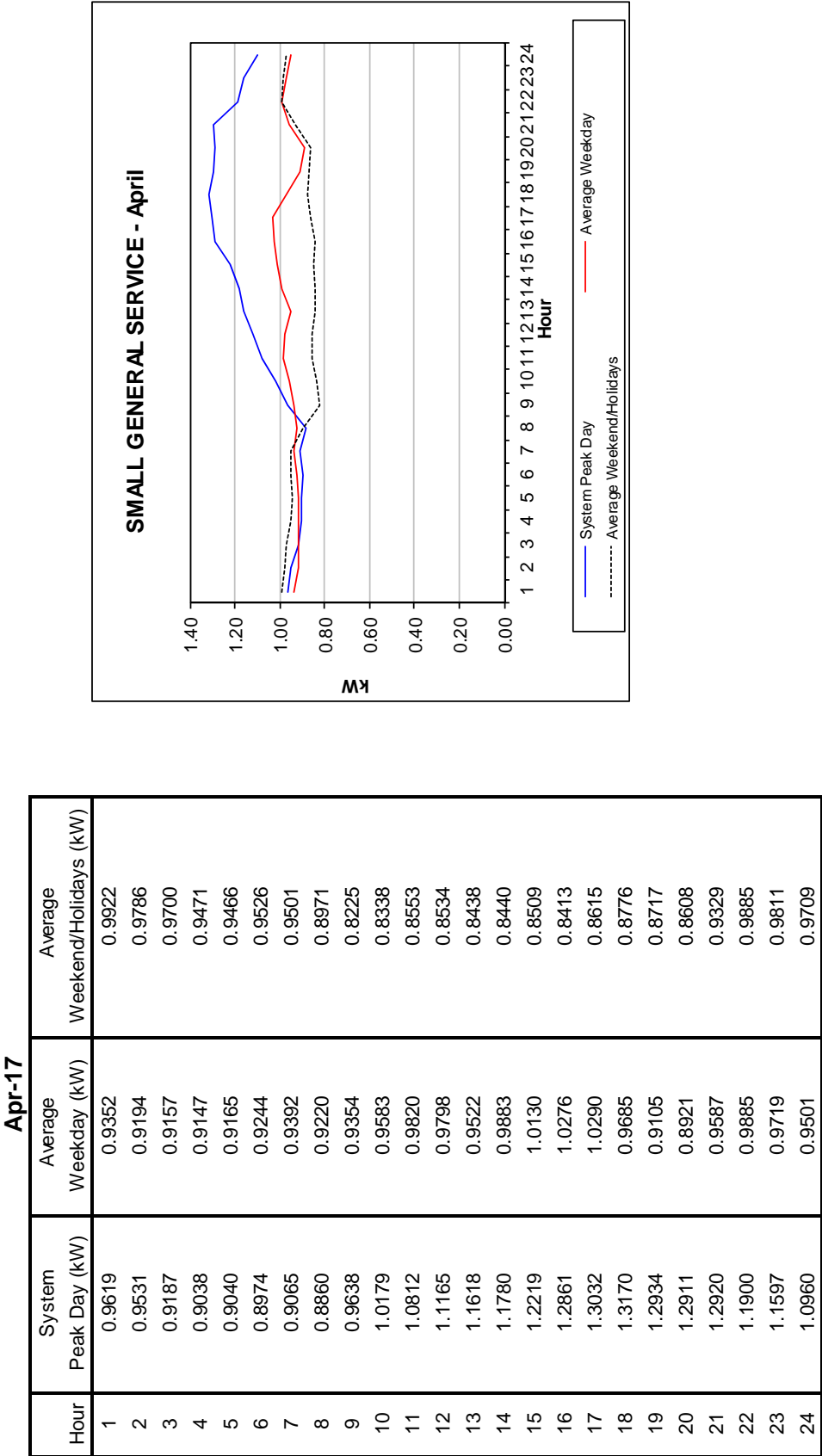
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-9.3



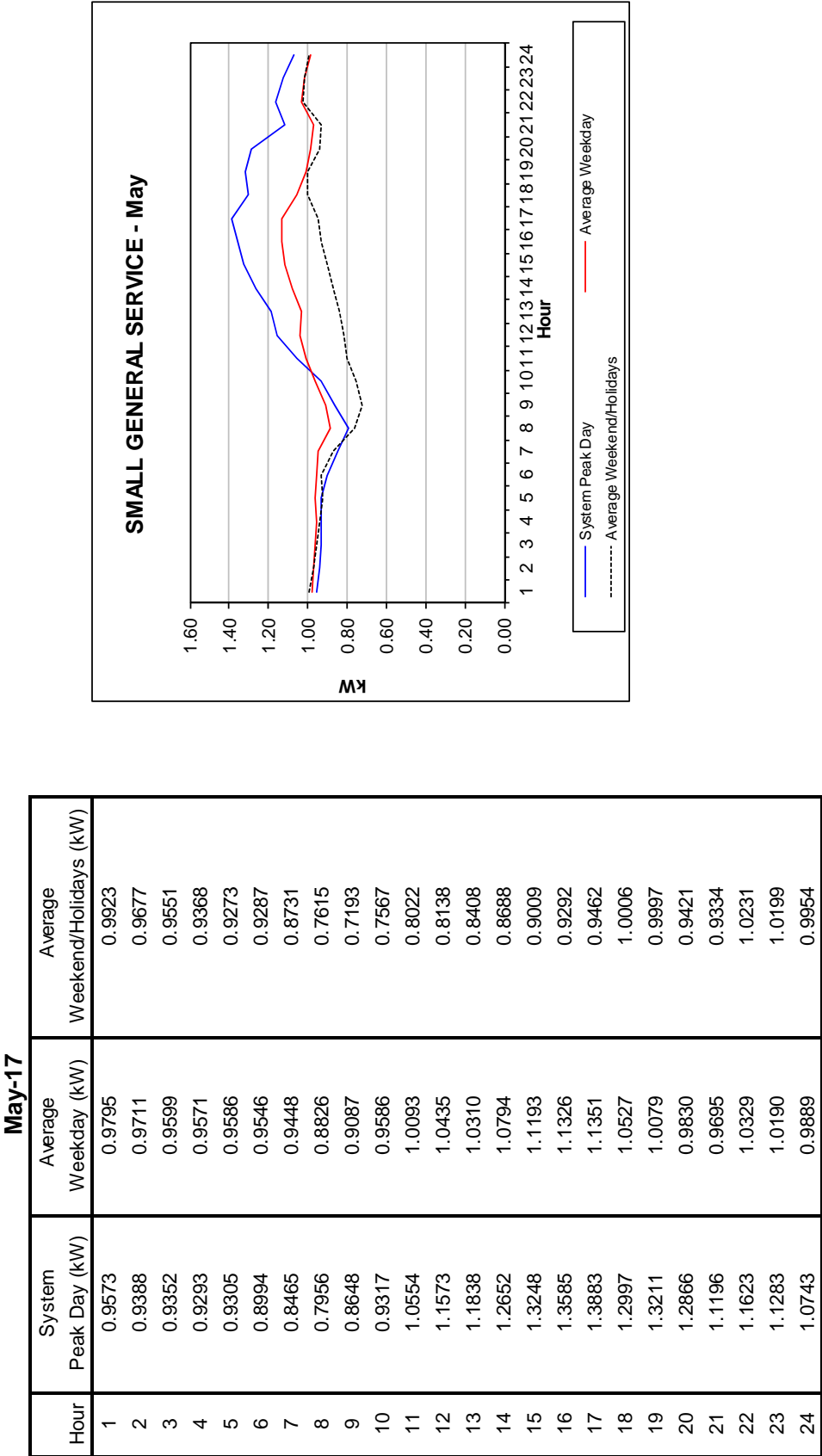
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-9.4



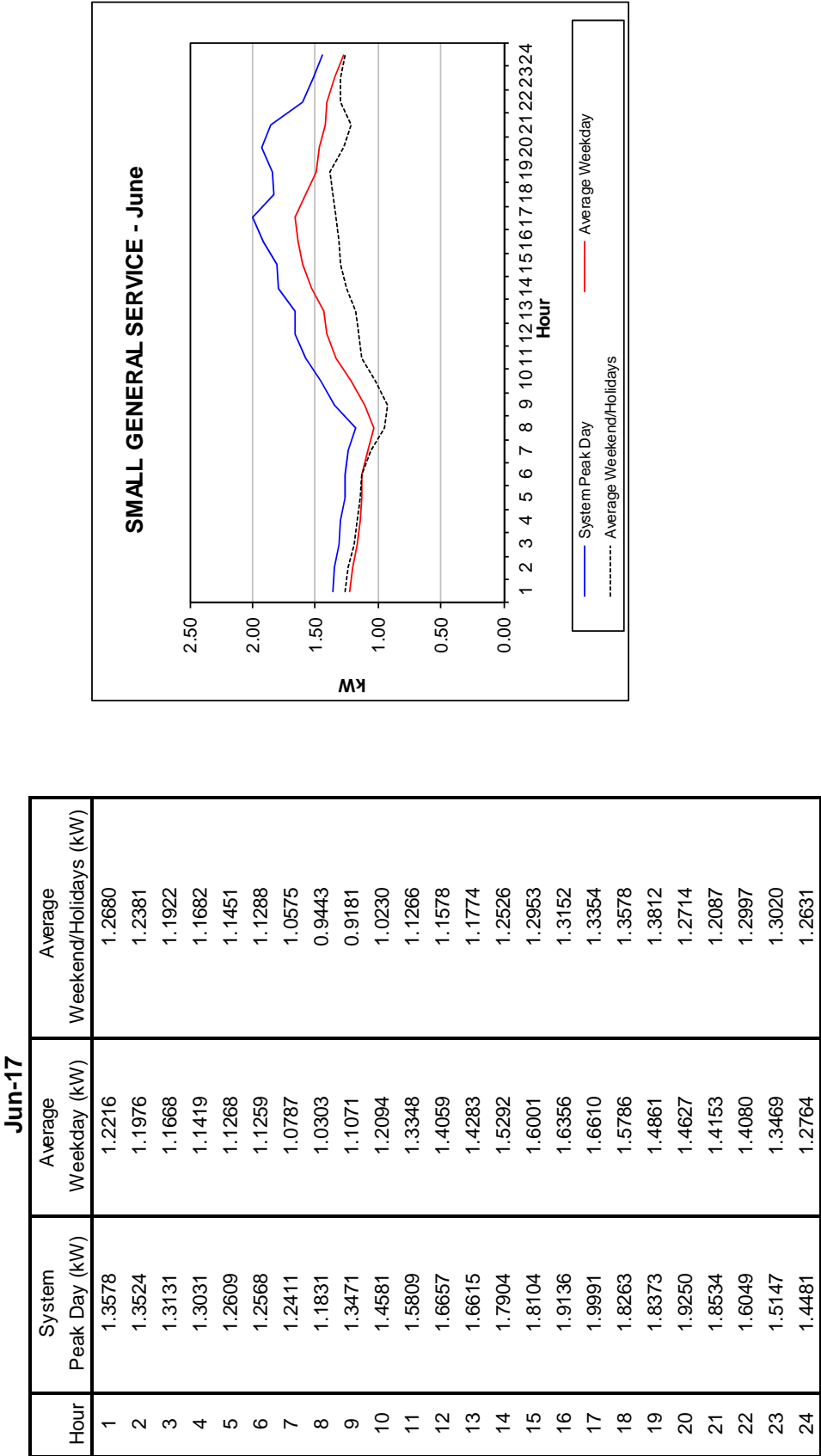
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-9.5



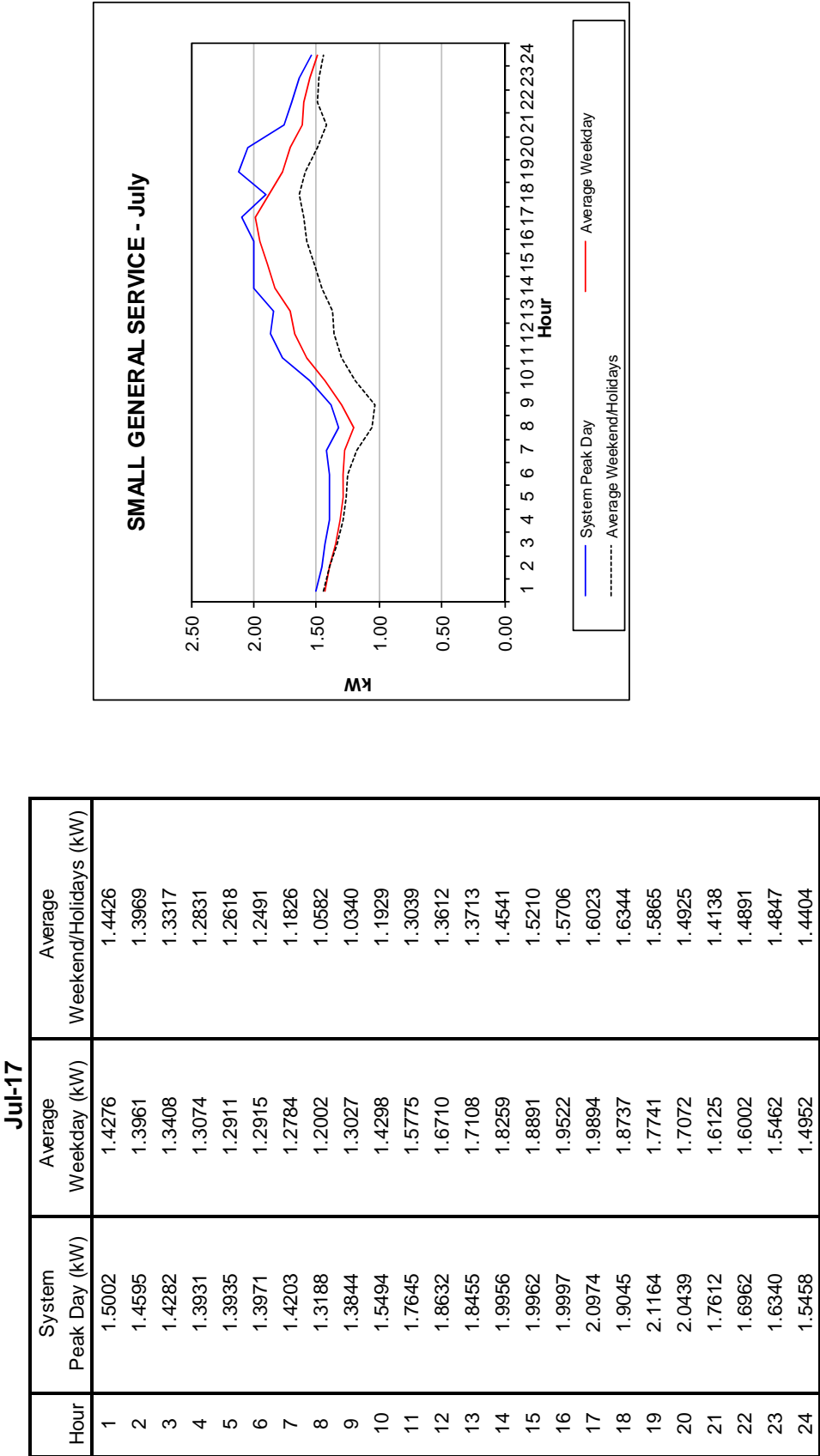
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-9.6



Southwestern Public Service Company  
Hourly Load Profiles

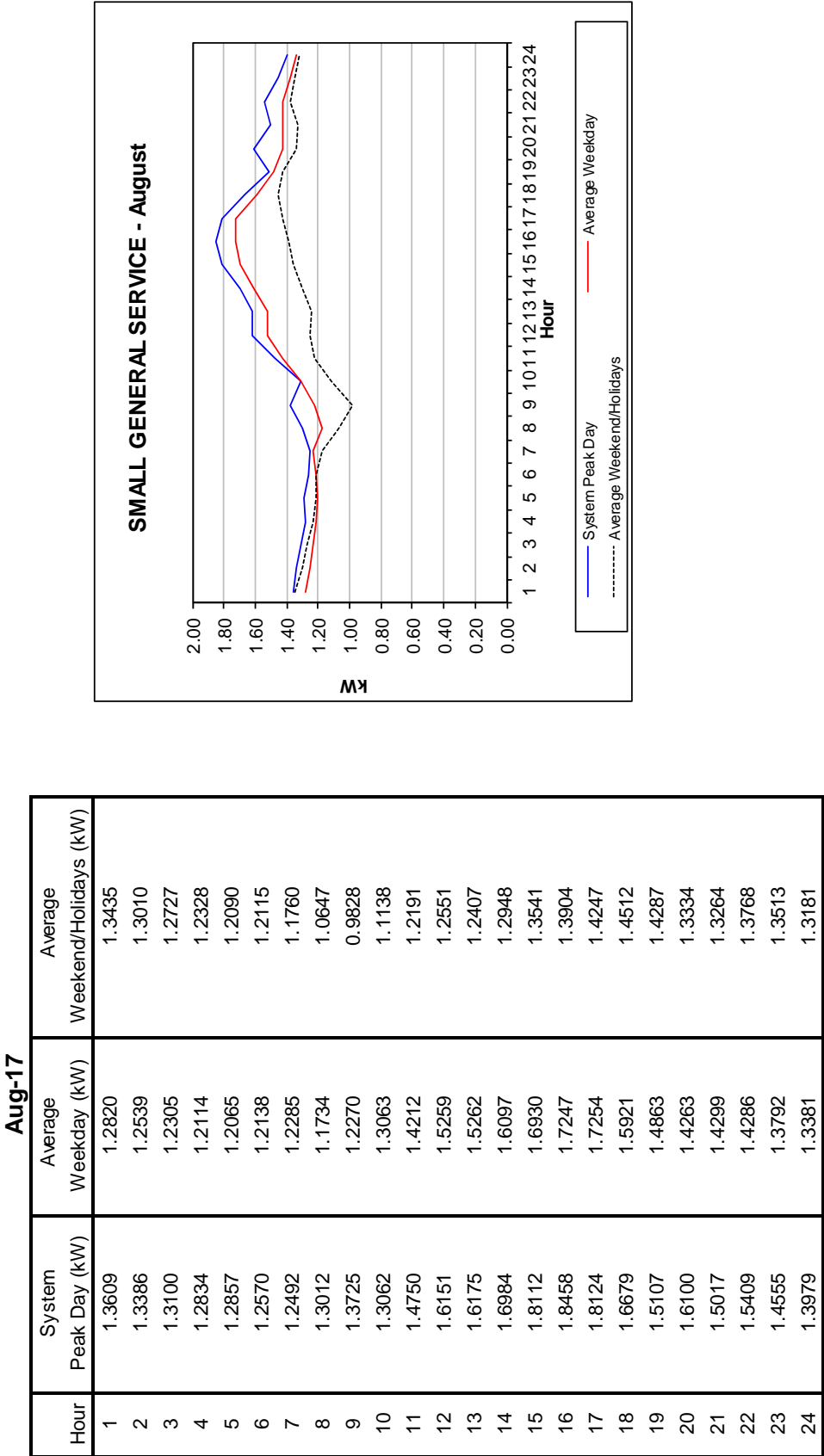
TABLE E-9.7





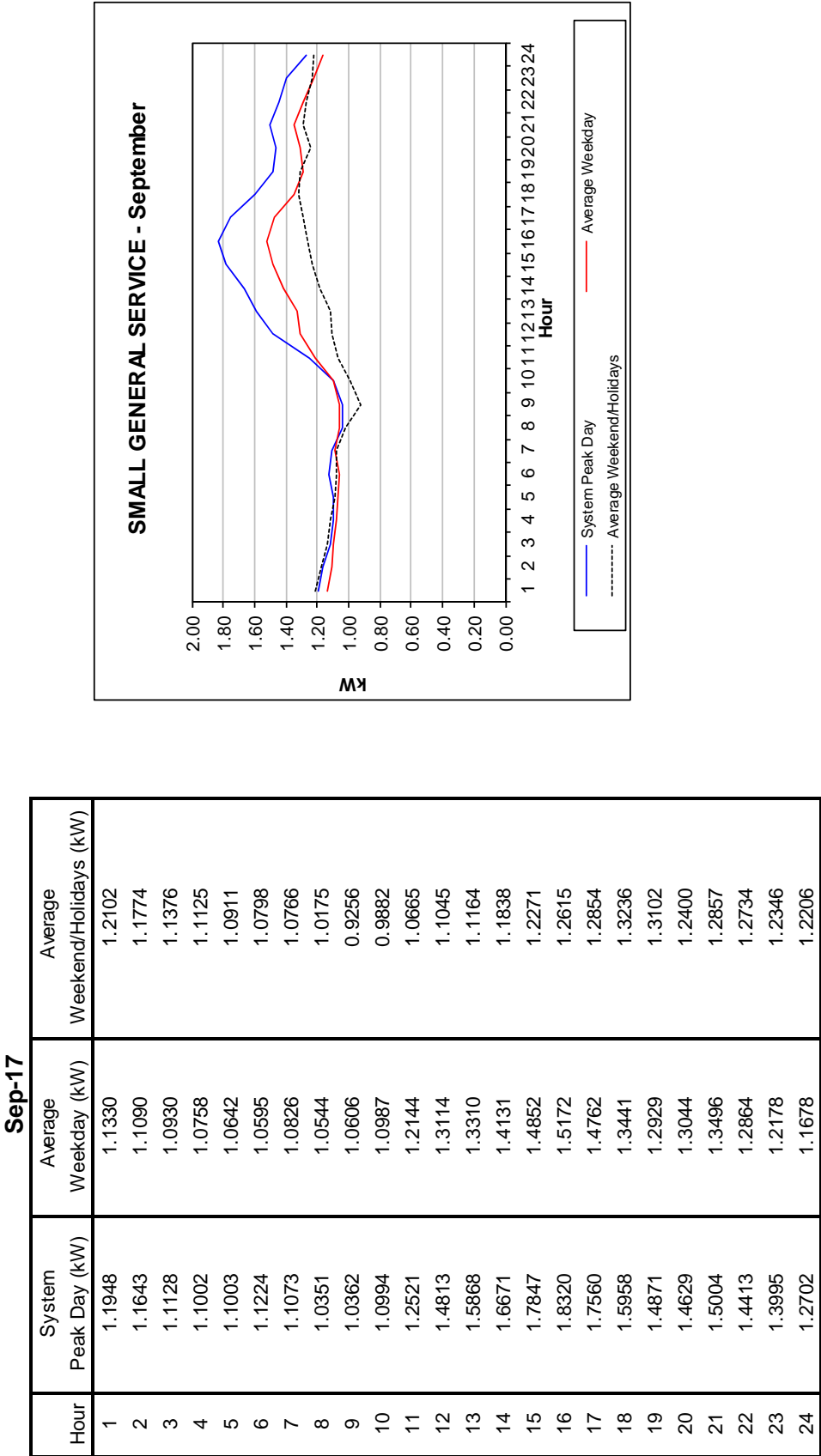
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-9.8



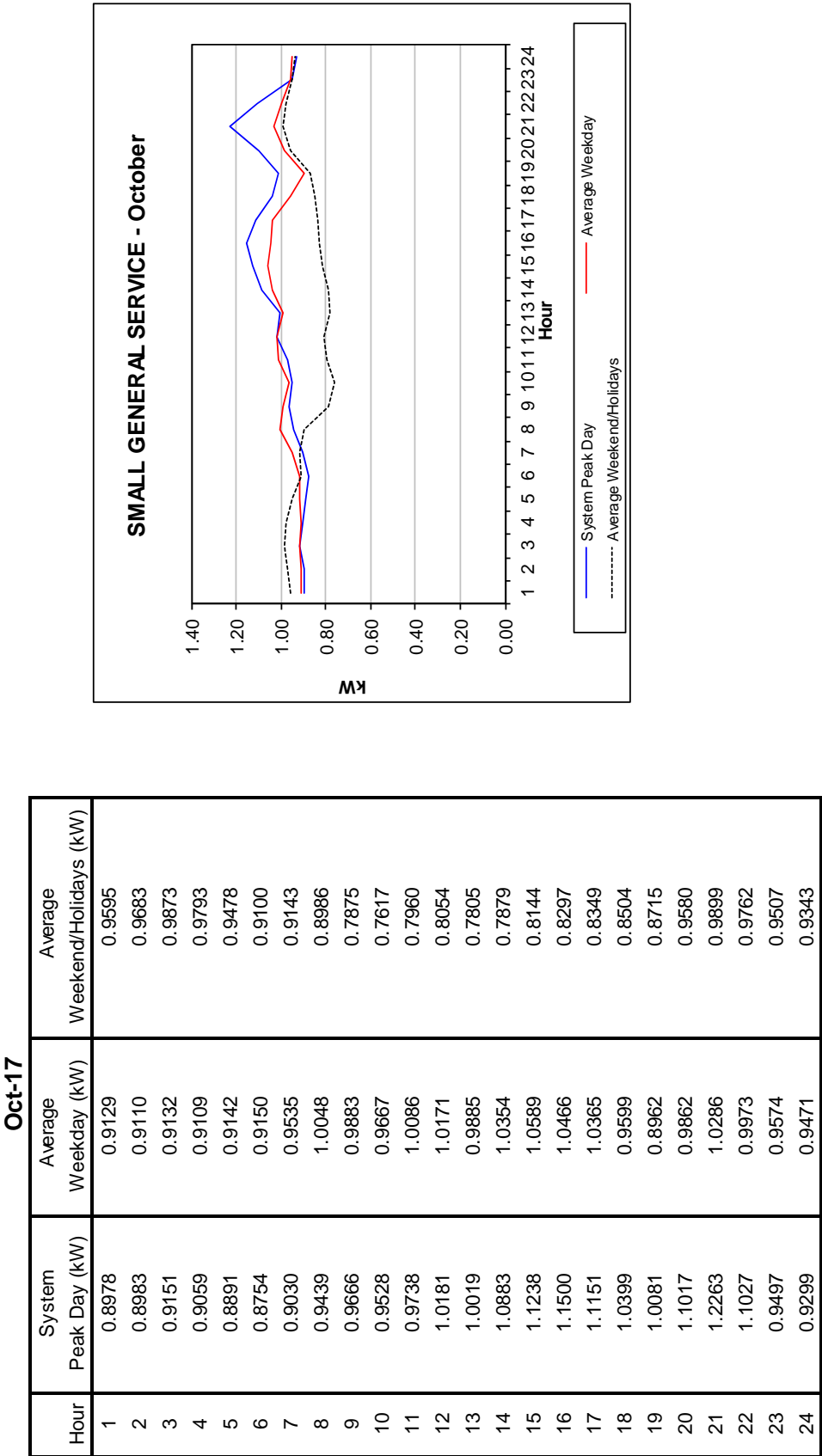
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-9.9



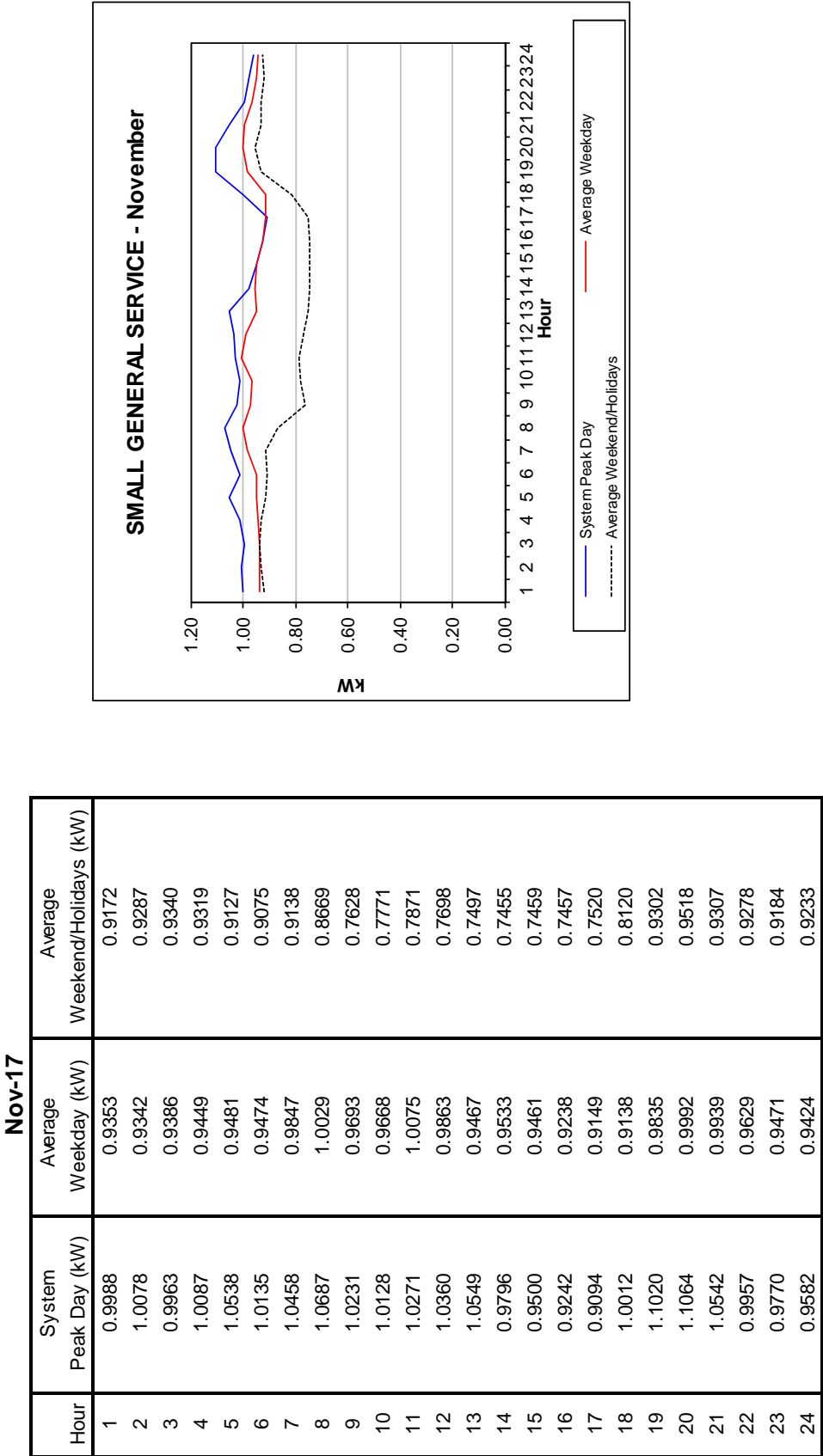
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-9.10



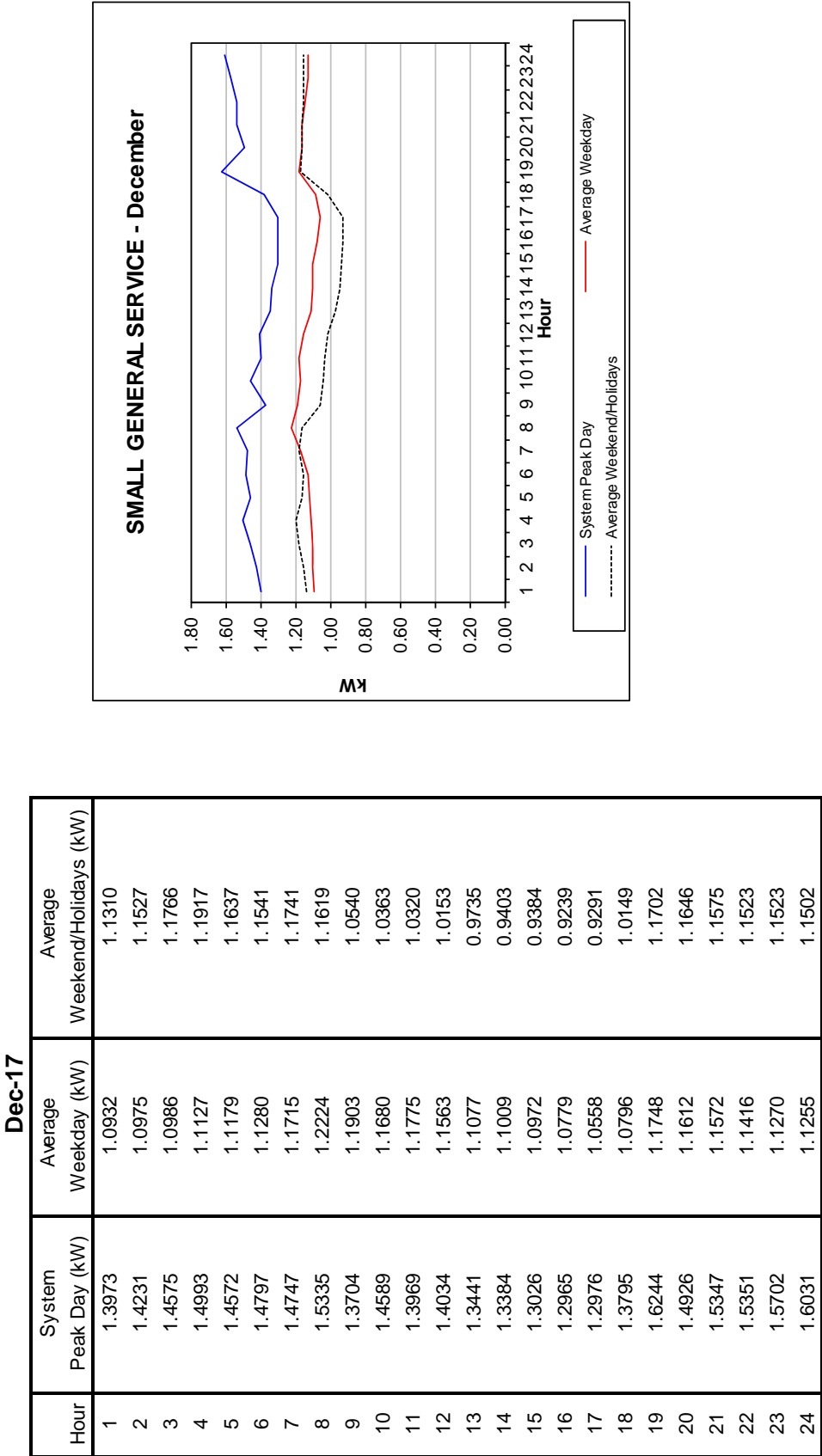
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-9.11



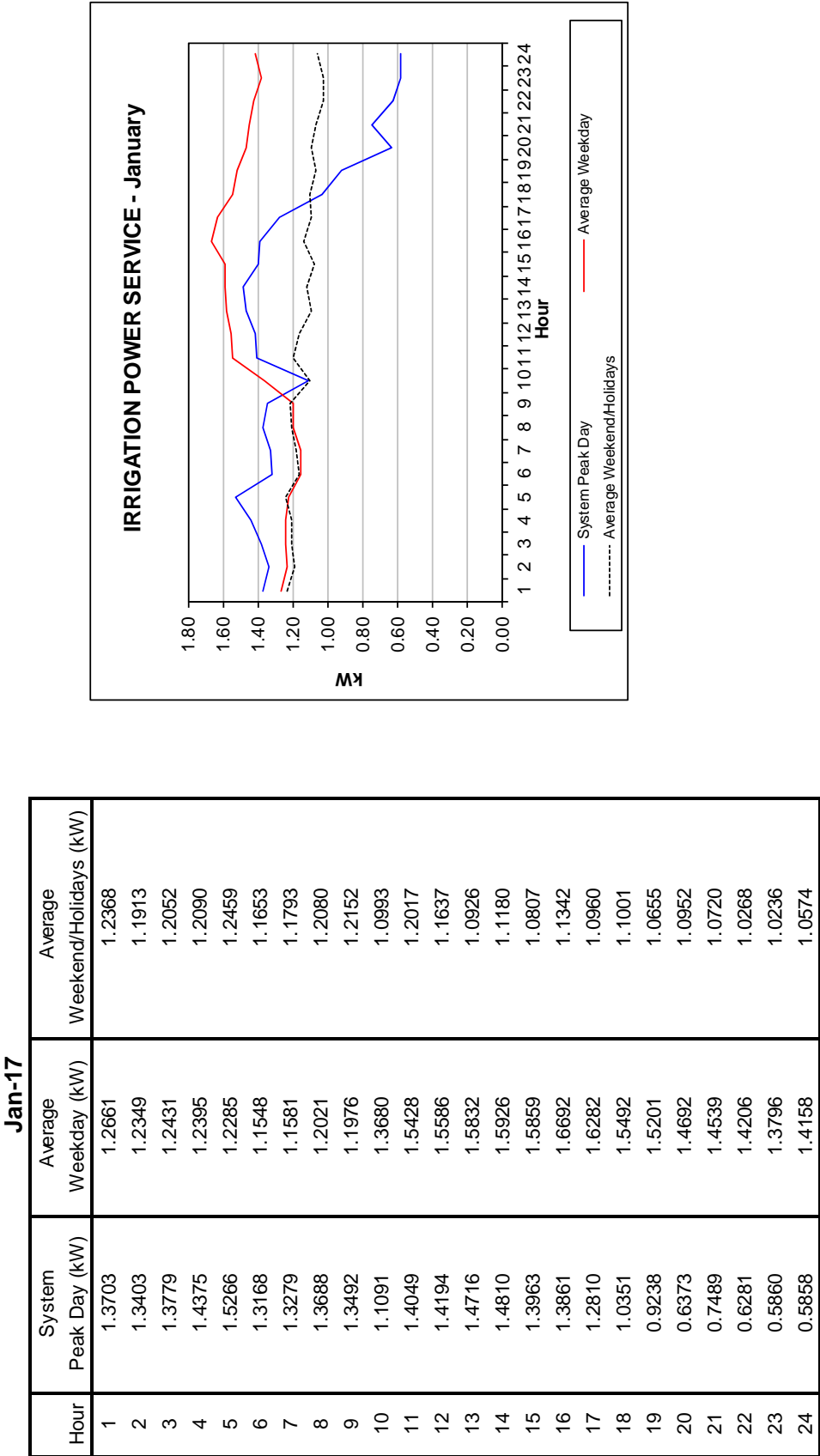
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-9.12



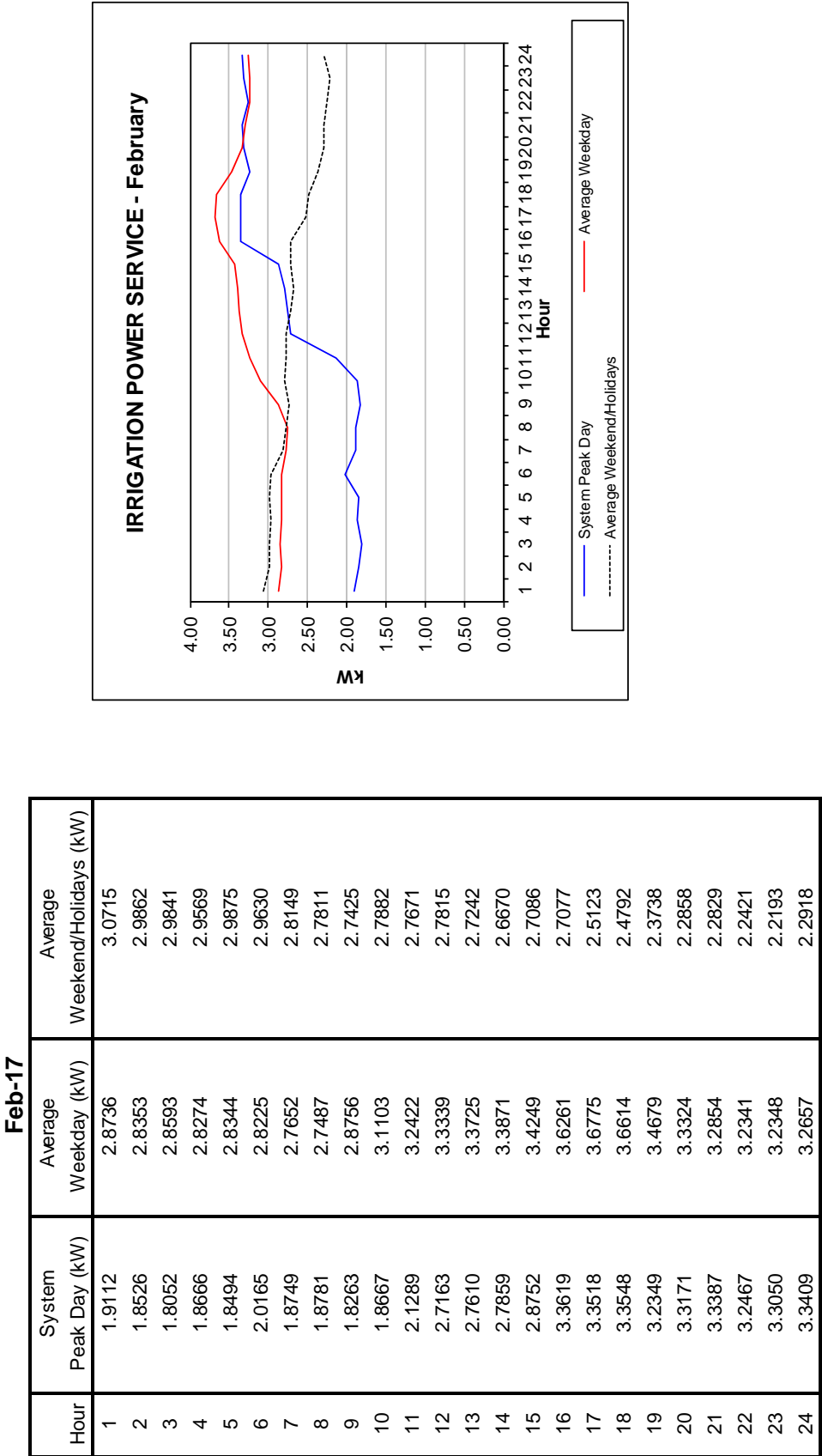
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-10.1



Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-10.2

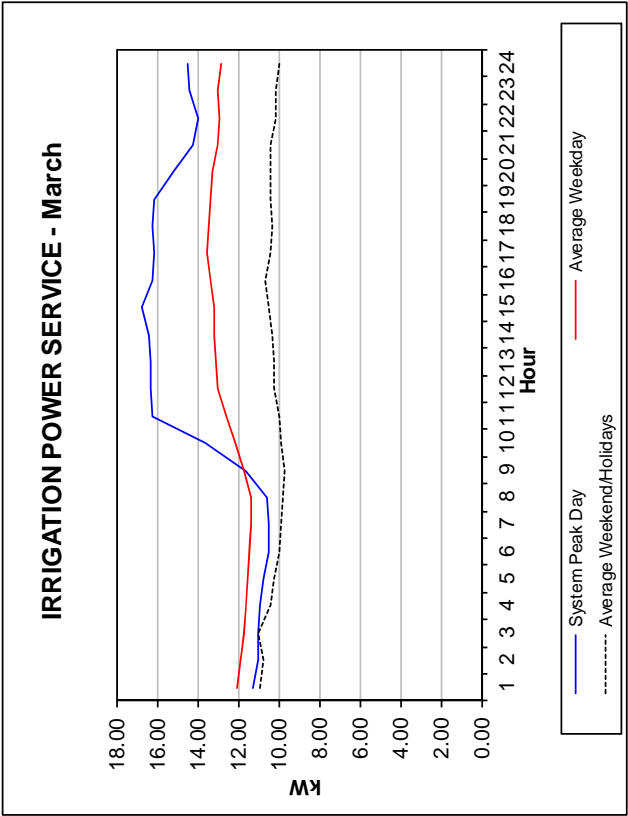


Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-10.3

Mar-17

Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	11.2953	12.0321	10.8933
2	11.0173	11.8954	10.7133
3	11.0221	11.7261	11.0188
4	10.8884	11.6130	10.4126
5	10.7266	11.5332	10.2222
6	10.5087	11.4045	9.9926
7	10.5119	11.3571	9.9081
8	10.5290	11.3638	9.7954
9	11.5698	11.6550	9.7264
10	13.6124	12.1411	9.8567
11	16.1746	12.5930	9.9365
12	16.2995	13.0175	10.1890
13	16.3229	13.0802	10.1997
14	16.4311	13.1339	10.3058
15	16.7134	13.1927	10.4574
16	16.2043	13.3818	10.6215
17	16.1095	13.5004	10.4043
18	16.1859	13.4104	10.3092
19	16.1131	13.3705	10.3853
20	15.1479	13.3038	10.3552
21	14.1837	13.0435	10.3870
22	13.9178	12.9139	10.1276
23	14.3715	12.9716	10.0893
24	14.5178	12.8558	9.9505

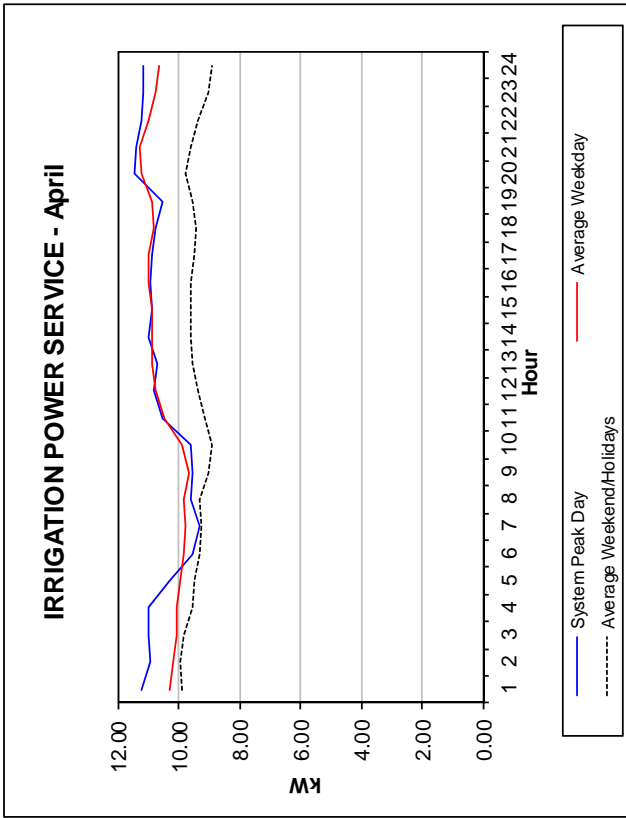




## Southwestern Public Service Company Hourly Load Profiles

### TABLE E-10.4

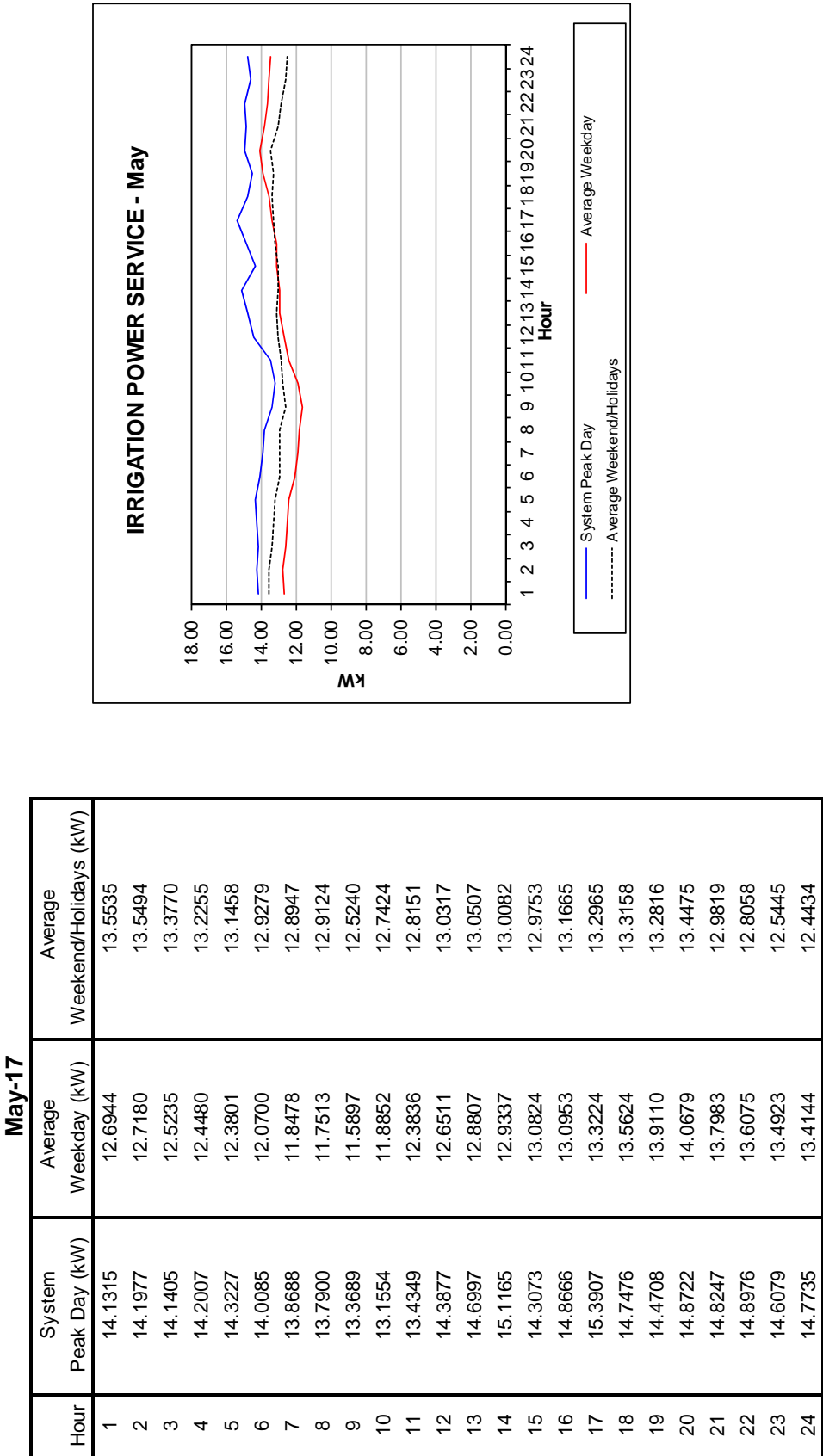
Hour	System Peak Day (kW)	Average Weekday (kW)	Average Weekend/Holidays (kW)
1	11.2275	10.2746	9.8801
2	10.9159	10.1888	9.9578
3	10.9956	10.0660	9.8354
4	10.9883	10.0537	9.5547
5	10.2883	9.9654	9.4594
6	9.5288	9.8012	9.3069
7	9.3183	9.7579	9.2329
8	9.5907	9.8072	9.2761
9	9.5251	9.6702	9.0023
10	9.5770	9.8724	8.8741
11	10.5445	10.4435	9.1328
12	10.7877	10.7454	9.3718
13	10.6951	10.8914	9.5169
14	10.9726	10.8868	9.6049
15	10.8903	10.8592	9.6029
16	10.9002	10.9566	9.6174
17	10.8599	10.9717	9.4859
18	10.7521	10.8110	9.4167
19	10.5019	10.8430	9.5459
20	11.4250	11.2005	9.7956
21	11.4181	11.2816	9.5779
22	11.1973	10.9657	9.3455
23	11.1805	10.7399	9.0390
24	11.1632	10.6271	8.8886



Southwestern Public Service Company

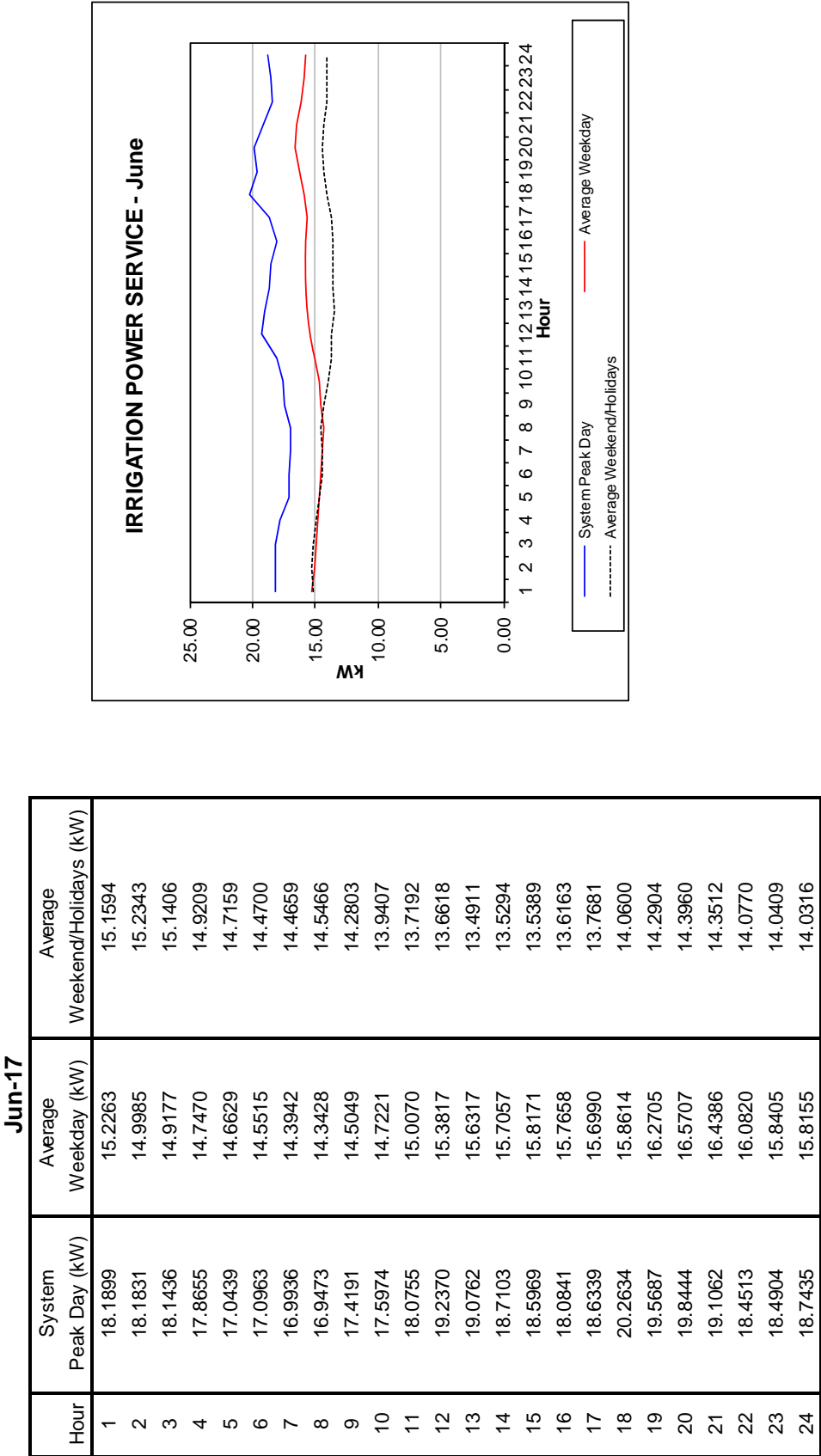
Hourly Load Profiles

TABLE E-10.5



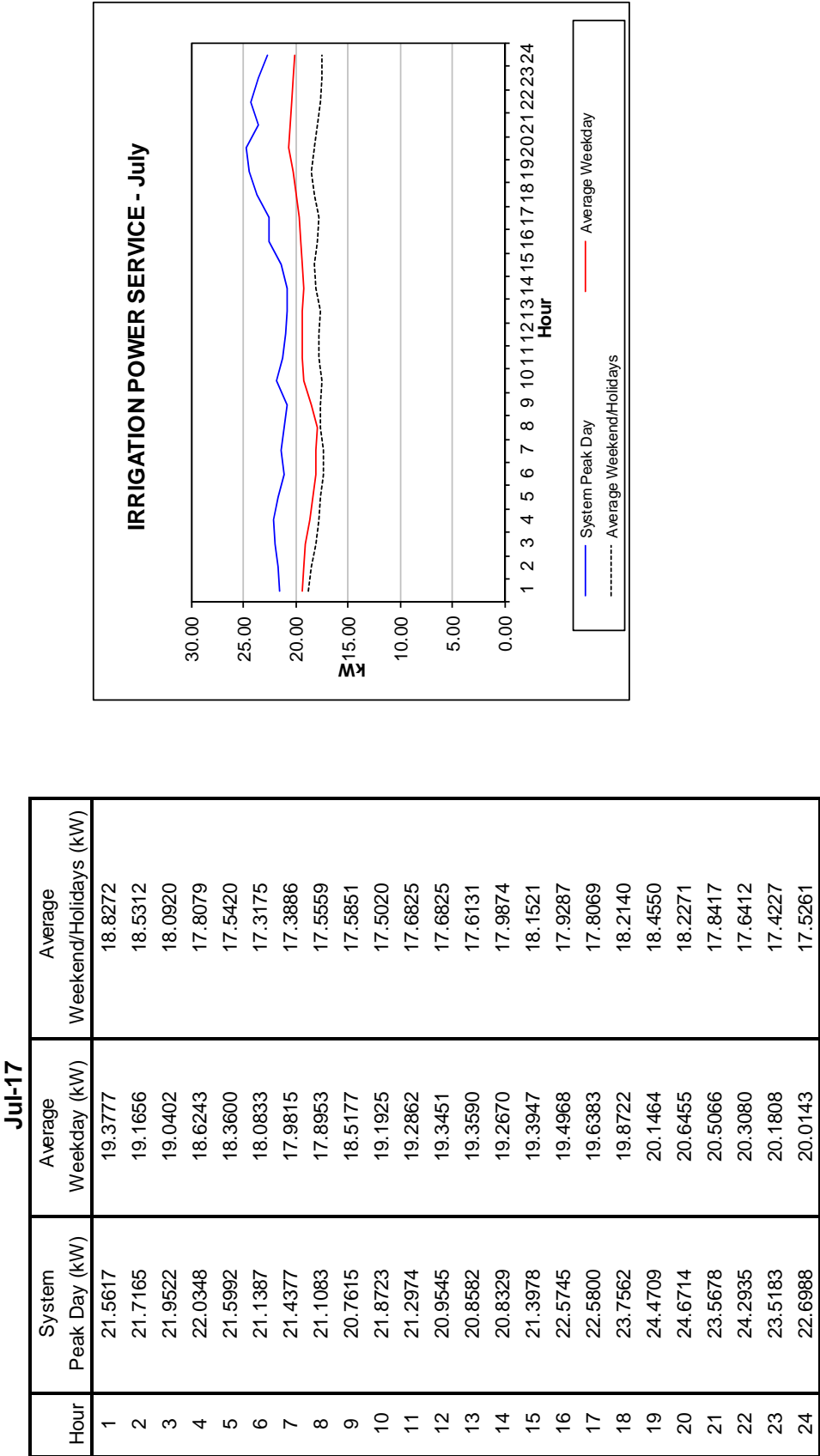
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-10.6



Southwestern Public Service Company  
Hourly Load Profiles

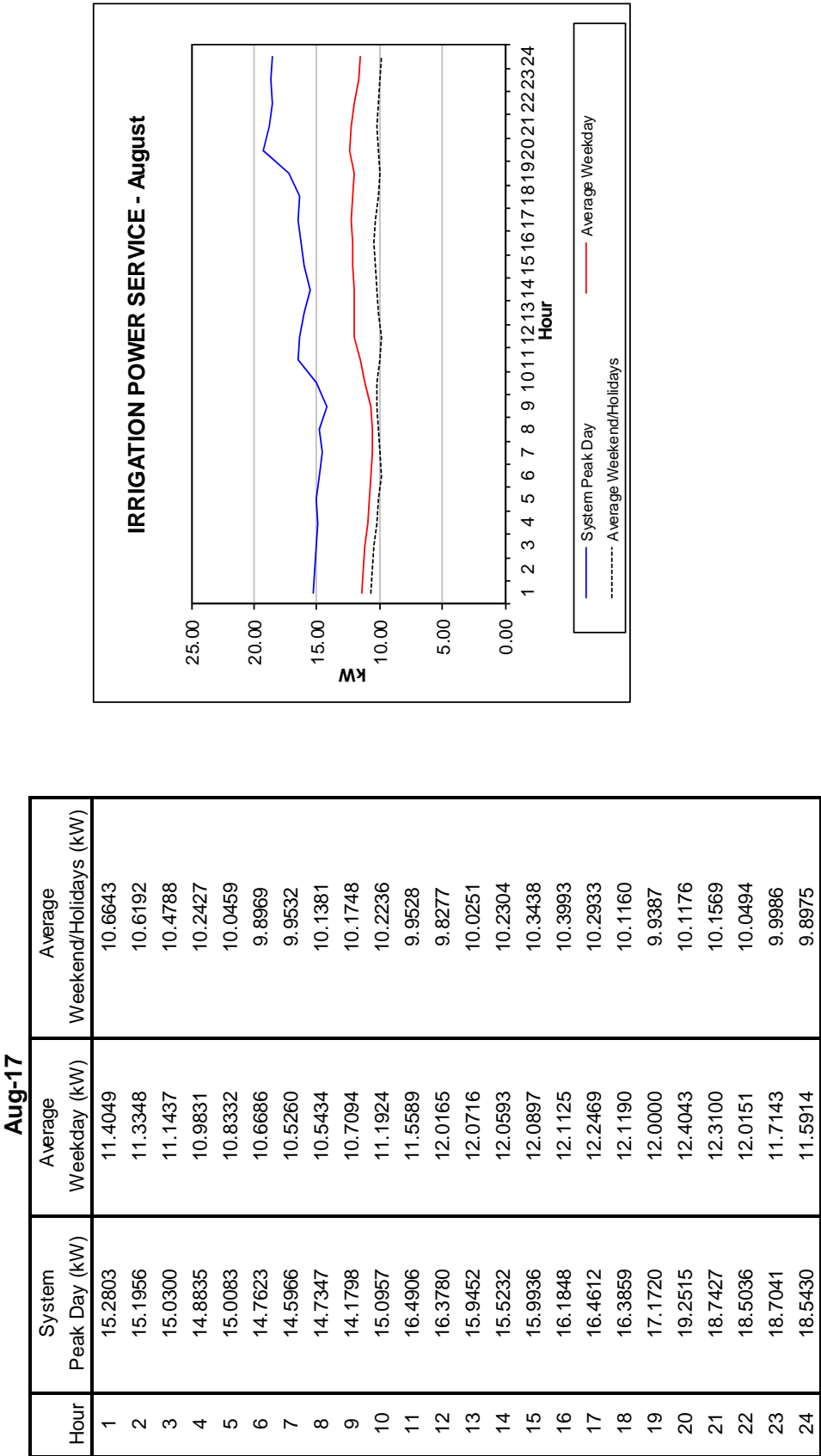
TABLE E-10.7



Southwestern Public Service Company

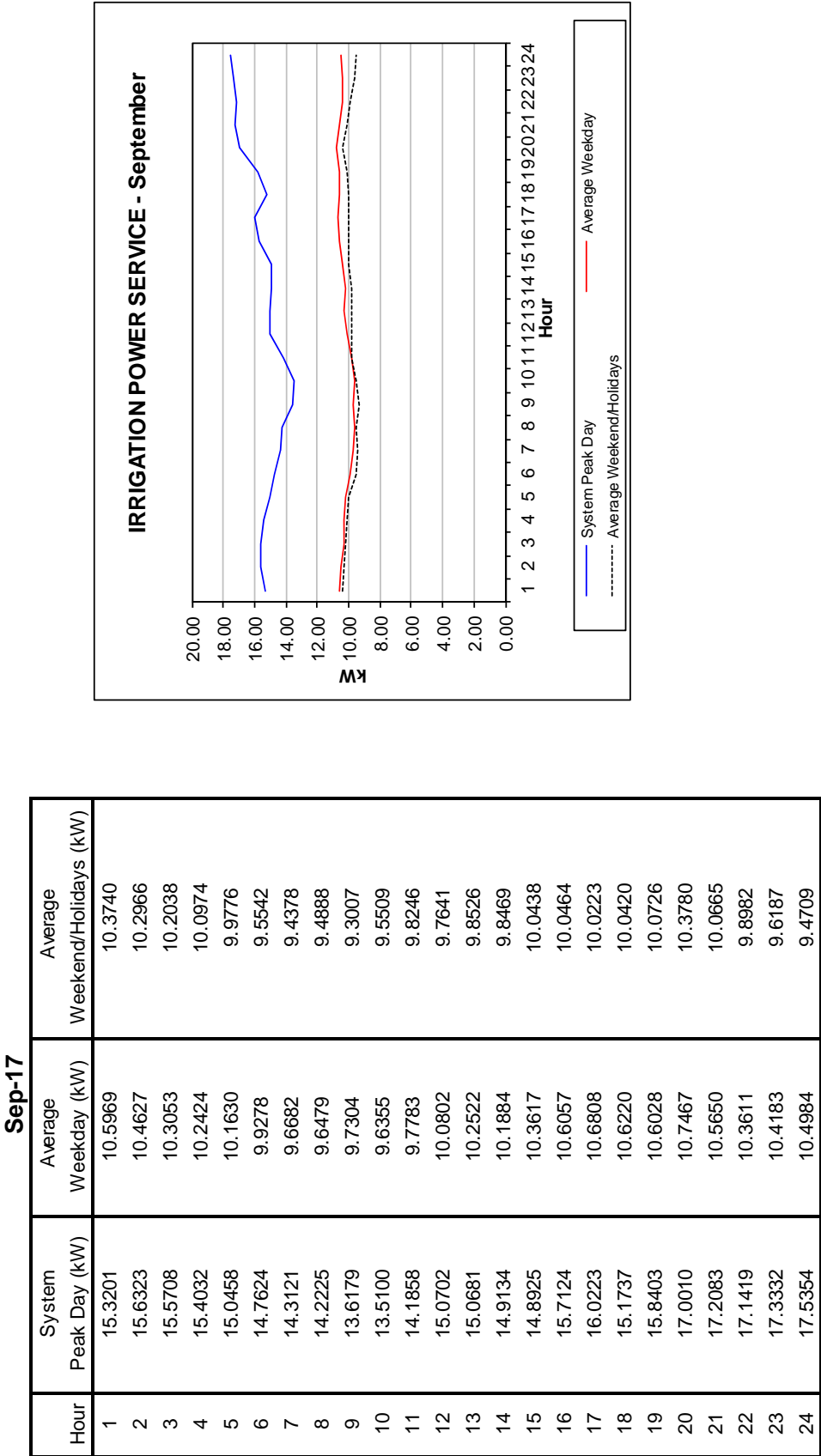
Hourly Load Profiles

TABLE E-10.8



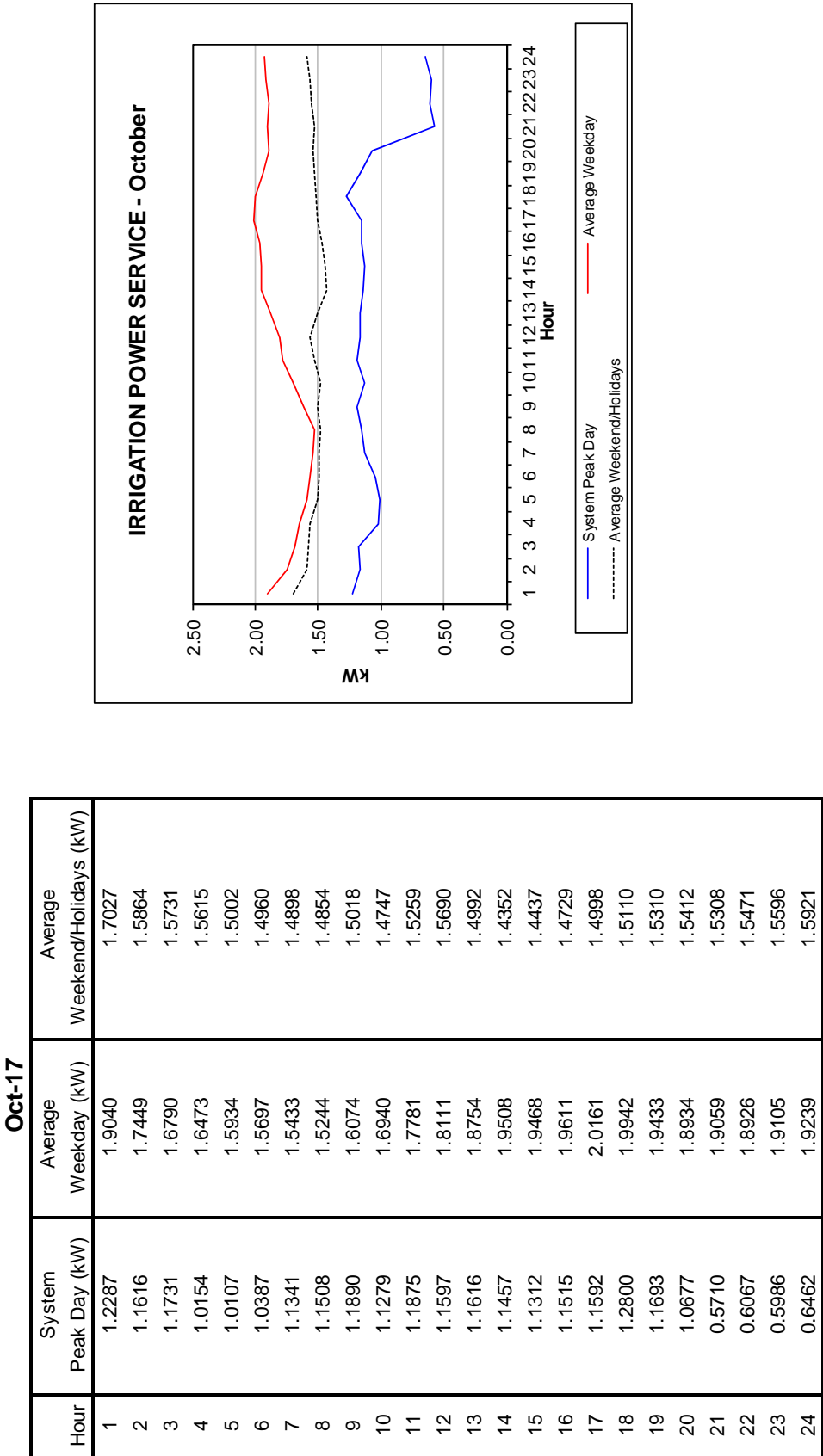
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-10.9



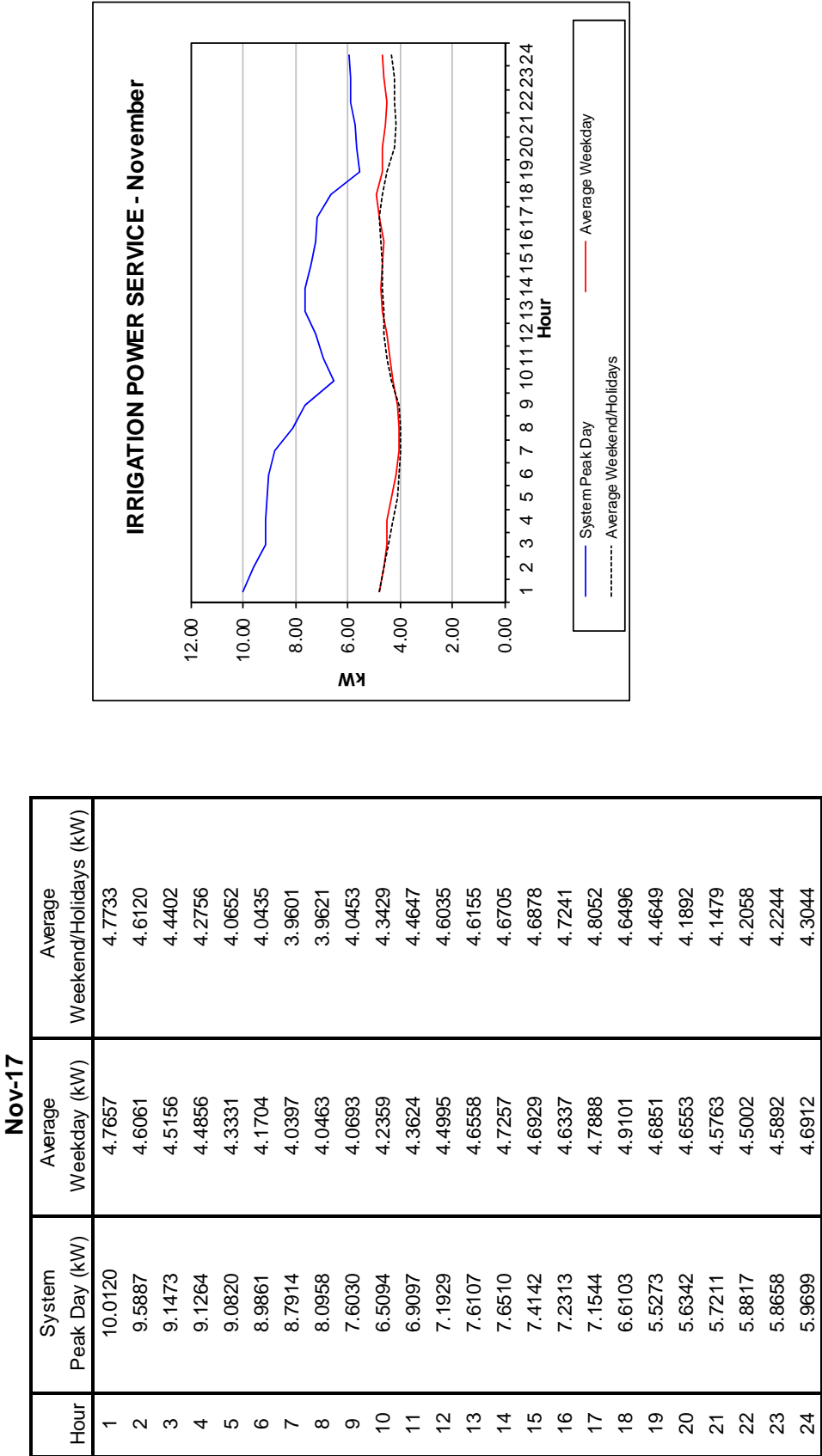
Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-10.10



Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-10.11





Southwestern Public Service Company  
Hourly Load Profiles

TABLE E-10.12

