



Going Graphic!

Directions: Create a visual representation (e.g. a graph) of this raw data that answers the question: What is the pattern of electricity use for this home on May 16, 2011? This data was collected from a home electricity-monitoring device. Each data point represents a sampling of the power being used in the home every 10 minutes and is reported in kW.

Time	Usage in kW
12:00 AM	0.332
12:10 AM	0.325
12:20 AM	0.188
12:30 AM	0.264
12:40 AM	0.345
12:50 AM	0.993
1:00 AM	0.331
1:10 AM	0.507
1:20 AM	0.400
1:30 AM	0.256
1:40 AM	0.251
1:50 AM	0.251
2:00 AM	0.371
2:10 AM	0.336
2:20 AM	0.335
2:30 AM	0.332
2:40 AM	0.210
2:50 AM	0.278
3:00 AM	0.254
3:10 AM	0.249
3:20 AM	0.116
3:30 AM	0.320
3:40 AM	0.337
3:50 AM	0.334

Time	Usage in kW
4:00 AM	0.246
4:10 AM	0.259
4:20 AM	0.252
4:30 AM	0.247
4:40 AM	0.333
4:50 AM	0.333
5:00 AM	0.328
5:10 AM	0.279
5:20 AM	0.107
5:30 AM	0.260
5:40 AM	1.264
5:50 AM	1.672
6:00 AM	0.947
6:10 AM	1.406
6:20 AM	0.838
6:30 AM	1.896
6:40 AM	1.756
6:50 AM	1.306
7:00 AM	0.766
7:10 AM	0.829
7:20 AM	0.756
7:30 AM	0.488
7:40 AM	0.500
7:50 AM	0.694

Time	Usage in kW
8:00 AM	0.108
8:10 AM	0.107
8:20 AM	0.107
8:30 AM	0.399
8:40 AM	0.460
8:50 AM	0.485
9:00 AM	0.472
9:10 AM	0.101
9:20 AM	0.100
9:30 AM	0.101
9:40 AM	0.149
9:50 AM	0.334
10:00 AM	0.487
10:10 AM	0.439
10:20 AM	0.100
10:30 AM	0.101
10:40 AM	0.101
10:50 AM	0.275
11:00 AM	0.333
11:10 AM	0.485
11:20 AM	0.428
11:30 AM	0.202
11:40 AM	0.100
11:50 AM	0.100



Maine Saves Energy

Time	Usage in kW
12:00 PM	0.336
12:10 PM	0.337
12:20 PM	0.315
12:30 PM	0.252
12:40 PM	0.231
12:50 PM	0.337
1:00 PM	0.338
1:10 PM	0.134
1:20 PM	0.102
1:30 PM	0.255
1:40 PM	0.436
1:50 PM	0.338
2:00 PM	0.196
2:10 PM	0.101
2:20 PM	0.101
2:30 PM	0.337
2:40 PM	0.491
2:50 PM	0.308
3:00 PM	0.100
3:10 PM	0.100
3:20 PM	0.330
3:30 PM	0.332
3:40 PM	0.822
3:50 PM	0.273

Time	Usage in kW
4:00 PM	0.432
4:10 PM	0.569
4:20 PM	0.41
4:30 PM	0.378
4:40 PM	0.376
4:50 PM	0.562
5:00 PM	0.664
5:10 PM	0.678
5:20 PM	0.594
5:30 PM	0.485
5:40 PM	0.669
5:50 PM	0.744
6:00 PM	0.425
6:10 PM	0.763
6:20 PM	1.152
6:30 PM	0.905
6:40 PM	0.553
6:50 PM	0.555
7:00 PM	0.689
7:10 PM	0.792
7:20 PM	1.031
7:30 PM	1.004
7:40 PM	0.985
7:50 PM	1.046

Time	Usage in kW
8:00 PM	0.925
8:10 PM	0.922
8:20 PM	0.897
8:30 PM	0.703
8:40 PM	0.926
8:50 PM	1.09
9:00 PM	0.865
9:10 PM	0.854
9:20 PM	1.073
9:30 PM	1.094
9:40 PM	0.522
9:50 PM	0.792
10:00 PM	0.846
10:10 PM	0.808
10:20 PM	1.244
10:30 PM	0.591
10:40 PM	0.453
10:50 PM	0.618
11:00 PM	0.786
11:10 PM	0.817
11:20 PM	0.540
11:30 PM	0.424
11:40 PM	0.345
11:50 PM	0.379