



BOSS Controls

Energy Consumption by Device Type

June 2017

By Device Type	Average Draw (Watts)	Maximum Device Average (Watts)	Annual Usage (kWh)	Annual Savings (kWh) (50% OFF Time)	ROI (in Months) *
220V PTAC	1150	1150	10074	5037	4
220V Window AC	800	800	7008	3504	6
Heater	751.4	994.5	6582	3291	4
Outdoor Fountain	677.2	999.2	5932	2966	4
Air Conditioner	560.0	1187.0	4906	2453	5
Parts Washer	449.9	1419.1	3941	1971	6
Ice Cream Cooler	425.9	492.1	3731	1865	6
Vending - Coffee	393.7	661.2	3448	1724	7
Vending - Drink	391.9	704.8	3433	1717	7
220v Shrink Wrap	338.5	1953.9	2965	1483	16
Kegeerator	275.4	606.4	2413	1206	10
220v Surge Protector	270.1	1902.1	2366	1183	20
Drink Refrigerator	263.2	557.6	2305	1153	10
Drink Cooler	246.6	404.2	2161	1080	11
Juice Machine	245.1	597.2	2147	1073	11
Freezer	239.5	306.3	2098	1049	11
Espresso Machine	231.8	467.0	2031	1015	12
Latte Machine	215.2	408.1	1886	943	13
Pinball Machine	214.6	219.7	1879	940	13
Large Printer	202.3	673.3	1772	886	13
Intercom System	198.5	202.0	1739	870	14
Audio Equipment	192.9	248.4	1689	845	14
Vending Machine	170.3	299.5	1492	746	16
Lottery Machine	151.0	154.7	1323	661	18

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3D Printer	145.2	147.5	1272	636	19
Hot Dog Roller	139.1	772.0	1218	609	20
Refrigerator	137.3	293.3	1202	601	20
ATM	135.0	143.4	1183	591	20
Margarita Machine	119.0	1038.4	1042	521	23
Copy Machine	114.2	401.9	1000	500	24
Mail Machine	106.9	164.8	937	468	25
Coffee Machine	104.2	487.4	913	457	26
Keurig	98.5	291.5	863	432	28
Security Camera	98.1	101.5	859	430	28
PTAC	97.7	526.1	856	428	28
PC Strip	90.3	217.2	791	395	30
Decorative Fountain	90.1	184.7	790	395	30
Hot Water Dispenser	83.6	225.5	732	366	32
Computer	76.0	187.6	666	333	36
Water Machine	74.1	202.9	650	325	37
Water Cooler	72.0	205.2	631	315	38
Walkie Talkie Charger	71.1	130.8	623	311	38
TV/Large Monitor	68.6	105.5	601	300	40
Vending - Snack	64.6	100.2	566	283	42
Printer	56.9	199.4	498	249	48
Monitor	55.4	106.3	485	243	49
Projector	53.5	203.3	469	234	51
Monitor/Printer	47.5	134.2	416	208	57

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Wine Cooler	46.4	58.8	407	203	58
Power Strip	42.7	124.8	374	187	64
Mini Refrigerator	40.8	102.9	357	179	67
Digital Multi-Media Press	40.4	293.7	354	177	67
Workstation	35.8	85.6	314	157	76
TV/Monitor	35.8	77.5	313	157	76
Badge Maker	35.4	37.9	310	155	77
Dishwasher	34.8	611.9	304	152	78
Plotter	33.7	43.8	295	148	80
Water Bubbler	33.2	76.4	290	145	82
Fax Machine	31.7	138.9	278	139	86
Laminator	29.7	914.0	260	130	91
Personal Copier	29.7	162.7	260	130	91
Dryer	26.6	573.9	233	116	102
Label Printer	26.5	42.7	232	116	102
Battery Pack	26.5	119.4	232	116	102
Smartboard	25.0	123.0	219	110	108
Walking Desk	23.7	220.9	208	104	114
Scanner	21.8	76.9	191	96	124
Charging Station	20.6	72.1	180	90	132
Washer	20.3	597.0	177	89	134
Video Conferencing	19.8	21.4	174	87	137
Microwave	19.4	349.3	170	85	140

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Library Terminal	18.4	58.1	161	81	147
Medical Vital Sign Set	16.6	25.2	145	73	164
Massage Chair	16.0	82.8	140	70	169
Water Fountain	16.0	89.5	140	70	169
Medical Diagnostic Set	15.8	18.6	139	69	171
Medical Lab Equipment	14.0	15.4	123	61	194
Desktop Printer	13.7	60.0	120	60	198
Gym Equipment	12.7	227.0	111	56	214
POS Device	11.6	12.2	102	51	233
Bottle Filler	9.9	10.4	87	43	274
Network Equipment	5.0	5.1	44	22	543
Digital Scale	2.9	3.3	25	13	943
Shredder	2.8	19.2	24	12	985

Notes on Device Table:

- *ROI based on energy cost of \$0.10 per kWh. BOSS 120 is \$99 per plug, BOSS 220 is \$199 per plug.

- Averages per device type were created by grouping and averaging the plugs by device type from historic customer data from each plug.