

Sample Office Building Energy Data

You can download this data online here: <http://bit.ly/1GvlfT0>

Basic Building Information

Building Name	Medium Office Reference Building pre-1980 construction
Available Fuel Types	gas, electricity
Principal Building Activity	Office
Address	123 Efficiency Street, St. Louis MO 63110
Gross Floor Area (ft²)	53,626
Year Built	1975
Occupancy %	100
# of workers on main shift	125
# of personal computers	120
Weekly Operating Hours	54.5
Percent of floor area that is cooled	100
Percent of floor area that is heated	100

Energy Use Data

Electricity

First Day of Billing Period	Last Day of Billing Period	Energy Consumed (kWh)	Cost (\$)
1/1/2014	1/31/2014	30,015.00	\$ 2,739.08
2/1/2014	2/28/2014	32,568.00	\$ 2,972.06
3/1/2014	3/31/2014	42,568.00	\$ 3,884.63
4/1/2014	4/30/2014	53,214.00	\$ 4,856.15
5/1/2014	5/31/2014	83,541.00	\$ 7,623.71
6/1/2014	6/30/2014	112,654.00	\$ 10,280.47
7/1/2014	7/31/2014	124,578.00	\$ 11,368.62
8/1/2014	8/31/2014	131,254.00	\$ 11,977.86
9/1/2014	9/30/2014	112,045.00	\$ 10,224.90
10/1/2014	10/31/2014	82,564.00	\$ 7,534.55
11/1/2014	11/30/2014	76,548.00	\$ 6,985.55
12/1/2014	12/31/2014	46,875.00	\$ 4,277.68
1/1/2015	1/31/2015	30,154.00	\$ 2,751.77

Natural Gas

First Day of Billing Period	Last Day of Billing Period	Energy Consumed (therms)	Cost (\$)
1/1/2014	1/31/2014	1058	\$ 918.54
2/1/2014	2/28/2014	903	\$ 784.11
3/1/2014	3/31/2014	665	\$ 577.80
4/1/2014	4/30/2014	617	\$ 535.70
5/1/2014	5/31/2014	378	\$ 328.04
6/1/2014	6/30/2014	243	\$ 211.02
7/1/2014	7/31/2014	242	\$ 210.05
8/1/2014	8/31/2014	262	\$ 227.92
9/1/2014	9/30/2014	343	\$ 297.90
10/1/2014	10/31/2014	429	\$ 372.40
11/1/2014	11/30/2014	673	\$ 584.64
12/1/2014	12/31/2014	908	\$ 788.38
1/1/2015	1/31/2015	1004	\$ 871.82

This data is loosely based on the U.S. Department of Energy's commercial reference building data set "Existing buildings constructed before 1980, medium office" available online via the link below

<http://energy.gov/eere/buildings/existing-commercial-reference-buildings-constructed-1980>