

**Table 3.48. Electricity and Natural Gas Consumption by Energy Conservation Features, 1992**

Building Characteristics	Electricity			Natural Gas			RSE Row Factor
	Total (billion kWh)	per Building (thousand kWh)	per Square Foot (kWh)	Total (billion cubic feet)	per Building (thousand cubic feet)	per Square Foot (cubic feet)	
RSE Column Factor:	0.9	1.0	0.6	1.4	1.3	1.2	
<b>All Buildings</b> .....	765	166	11.5	2,113	795	47.0	5.09
<b>Energy Conservation Features (more than one may apply)</b>							
Any Conservation Features .....	755	177	11.9	2,069	817	46.8	5.07
Building Shell .....	735	178	12.0	2,032	827	47.3	5.14
HVAC .....	656	252	13.1	1,753	1,058	48.4	5.35
Lighting .....	418	355	14.2	976	1,254	46.1	6.40
Other .....	72	275	12.2	202	1,158	42.9	8.81
<b>Building Shell Conservation Features (more than one may apply)</b>							
Roof or Ceiling							
Insulation .....	626	190	12.5	1,693	855	47.9	5.33
Wall Insulation .....	442	193	13.4	1,105	828	49.6	6.36
Storm or Multiple Glazing .....	379	228	12.8	1,102	1,060	51.3	6.86
Tinted or Reflective Glass or Shading Film .....	379	358	15.0	918	1,321	50.6	8.65
Exterior or Interior Shading or Awnings .....	466	253	13.7	1,176	965	47.3	6.87
Windows that Open .....	270	131	9.5	1,087	918	53.3	6.72
<b>HVAC Conservation Features (more than one may apply)</b>							
VAV System .....	239	959	17.1	461	2,406	44.9	9.21
Economizer Cycle .....	300	725	16.4	604	2,176	43.6	6.79
HVAC Maintenance .....	645	258	13.1	1,726	1,079	48.6	5.44
<b>Lighting Conservation Features (more than one may apply)</b>							
Specular Reflectors .....	224	391	14.7	535	1,485	47.3	9.57
Natural Lighting Control Sensors .....	48	645	15.6	107	2,336	43.8	17.57
Occupancy Sensors .....	62	1,049	17.1	112	2,715	40.0	11.56
Time Clock .....	183	542	15.2	319	1,346	36.4	10.08
Manual Dimmer Switches .....	190	459	15.4	506	1,664	50.3	10.28
Other .....	37	471	14.2	85	1,632	45.3	12.54
<b>Energy Management Practices (more than one may apply)</b>							
Energy Management and Control System .....	241	1,020	16.8	483	2,696	46.5	10.14
Demand-Side Management <sup>1</sup> Participation .....	166	527	14.7	513	2,609	59.1	10.23
Energy Audit .....	207	398	14.1	534	1,584	49.0	8.73
Building Energy Manager .....	38	772	16.5	112	3,606	66.8	23.91
<b>Energy Management and Control System (more than one may apply)</b>							
Present in Building .....	241	1,020	16.8	483	2,696	46.5	10.14
Controls Heating .....	217	977	16.2	401	2,350	41.0	8.89
Controls Cooling .....	219	1,114	17.6	427	2,850	47.6	10.86
Controls Hot Water Heating .....	53	1,552	13.7	168	7,900	67.3	19.83
Controls Lighting .....	83	1,516	16.0	140	3,771	40.4	21.53
Controls Other Equipment .....	16	1,286	18.0	24	2,489	30.4	23.08
Not Present in Building .....	524	120	10.0	1,630	658	47.1	5.58

See footnotes at end of table.

**Table 3.48. Electricity and Natural Gas Consumption by Energy Conservation Features, 1992 (Continued)**

Building Characteristics	Electricity			Natural Gas			RSE Row Factor
	Total (billion kWh)	per Building (thousand kWh)	per Square Foot (kWh)	Total (billion cubic feet)	per Building (thousand cubic feet)	per Square Foot (cubic feet)	
	RSE Column Factor:	0.9	1.0	0.6	1.4	1.3	
<b>Demand-Side Management<sup>1</sup> Programs (more than one may apply)</b>							
Any DSM Programs .....	166	527	14.7	513	2,609	59.1	10.23
Building Shell Program .....	16	434	14.5	29	1,217	32.5	19.81
HVAC Program .....	96	627	15.1	262	2,830	53.3	12.13
Lighting Program .....	126	555	14.4	367	2,534	53.5	10.41
Other DSM Programs .....	106	961	17.1	317	4,590	61.8	13.82
<b>Off-Hour Equipment Reduction (more than one may apply)</b>							
Heating .....	459	135	9.9	1,360	637	40.1	5.34
Cooling .....	447	156	10.5	1,251	670	39.4	5.58
Hot Water .....	101	175	10.1	319	915	44.4	9.16
Lighting .....	551	135	10.1	1,542	644	40.6	5.41
Other .....	90	164	11.2	218	671	40.8	12.97

<sup>1</sup> These Demand-Side Management (DSM) data, which include utility-sponsored programs, in-house programs, and third-party sponsored programs, were reported by the building respondent on the Building Questionnaire (Form EIA-871A). The electric utility-sponsored DSM data reported by the electricity suppliers (Form EIA-871E-1b) are presented in the "At a Glance" section and Table 3.49 of this section. See Appendix B, "Nonsampling and Sampling Errors," for a discussion of the differences between the energy supplier-reported data and building respondent-reported data.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • VAV = Variable Air Volume. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1992 Commercial Buildings Energy Consumption Survey.