

**Table 1. Consumption and Expenditures in New York State Households, 1993**

Characteristics	Average of Major Energy Sources <sup>1</sup>											RSE Row Factors
	Residential Buildings			Consumption				Expenditures (dollars)				
	Total Households (million)	Total Number (million)	Total Floor-space (billion sq. ft.)	per Building (million Btu)	per Square Foot (thousand Btu)	per Household (million Btu)	per Household Member (million Btu)	per Building	per Square Foot	per Household	per Household Member	
RSE Column Factor:	1.2	1.5	1.5	1.4	0.8	1.1	1.0	1.1	0.5	0.9	0.7	
<b>Total State</b> .....	6.8	3.7	12.8	225	64	121.2	45	2,925	0.84	1,577	590	4.7
<b>Climate Zone<sup>2</sup></b>												
Under 2,000 CDD and Over 5,500 HDD .....	2.8	2.1	6.5	170	56	129.0	51	2,143	0.70	1,627	641	5.4
Under 5,500 HDD .....	4.0	1.5	6.4	301	73	115.7	42	4,011	0.97	1,541	558	5.5
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>												
Single-Family .....	2.9	2.9	8.7	167	55	167.4	53	2,162	0.71	2,162	683	6.0
Mobile Home .....	Q	Q	Q	91	79	90.7	38	1,447	1.26	1,447	609	13.1
Multifamily (2 or more units) .....	3.8	0.6	3.9	527	84	87.3	38	6,857	1.09	1,136	492	5.5
<b>Heated Floorspace (square feet)</b>												
Fewer than 1,000 .....	2.6	0.6	1.9	339	103	76.1	34	4,587	1.40	1,030	464	6.9
1,000 to 1,999 .....	2.1	1.2	3.5	194	65	110.7	43	2,523	0.85	1,442	561	5.5
2,000 or more .....	2.2	1.9	7.4	210	54	184.8	56	2,671	0.69	2,355	713	7.0
<b>Ownership of Unit</b>												
Owned .....	3.5	3.0	9.5	185	58	156.6	53	2,397	0.75	2,026	690	5.0
Rented .....	3.3	0.7	3.3	396	83	83.3	35	5,202	1.08	1,094	459	7.1
<b>Year of Construction</b>												
1939 or Before .....	2.6	1.3	4.5	255	74	126.1	48	3,060	0.89	1,514	580	5.6
1940 to 1979 .....	3.2	1.8	6.5	233	63	127.5	46	3,079	0.83	1,684	612	9.6
1980 or After <sup>3</sup> .....	1.0	0.6	1.9	137	44	86.8	34	2,195	0.71	1,390	542	14.0
<b>1993 Family Income</b>												
Less than \$10,000 .....	1.1	0.4	1.4	278	71	89.0	41	3,698	0.95	1,183	548	7.1
\$10,000 to \$19,999 .....	1.2	0.6	1.8	221	74	110.4	47	2,749	0.92	1,372	579	11.8
\$20,000 to \$34,999 .....	1.4	0.7	2.5	224	68	115.8	45	2,843	0.87	1,471	574	13.0
\$35,000 to \$49,999 .....	1.3	0.7	2.5	224	63	121.0	45	2,953	0.83	1,593	586	6.6
\$50,000 or More .....	1.7	1.2	4.6	212	57	155.2	47	2,818	0.75	2,063	629	5.3
<b>Below Poverty Line</b>												
100 Percent .....	1.2	0.4	1.5	264	73	94.1	35	3,580	0.99	1,275	471	7.2
125 Percent .....	1.6	0.6	2.1	261	71	96.8	34	3,477	0.95	1,288	456	6.4
150 Percent .....	1.8	0.7	2.5	273	76	101.7	37	3,532	0.98	1,314	479	6.6
<b>Age of Householder</b>												
Under 35 Years .....	1.9	0.8	2.7	246	73	104.4	38	3,135	0.93	1,333	487	7.2
35 to 59 Years .....	3.0	1.9	6.5	208	59	128.7	41	2,835	0.81	1,757	562	6.4
60 Years and Over .....	1.9	1.0	3.7	240	67	125.8	66	2,924	0.82	1,534	806	8.2
<b>Household Size</b>												
1 Person .....	1.7	0.6	2.2	236	66	84.4	84	3,033	0.85	1,085	1,085	7.1
2 to 4 Persons .....	4.3	2.5	8.4	216	65	126.1	46	2,771	0.83	1,620	585	4.3
5 or More Persons .....	0.8	0.5	2.3	255	61	173.4	30	3,525	0.84	2,395	419	13.6

<sup>1</sup> Major Energy Sources include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 1993 Residential Energy Consumption Survey.

**Table 2. Total Consumption in New York State Households, 1993**

Characteristics	Major Energy Sources <sup>1</sup> (trillion Btu)	Electricity			Natural Gas		Fuel Oil		Kerosene		Liquefied Petroleum Gas		RSE Row Factors
		Primary (trillion Btu)	Site		(trillion Btu)	(billion cubic feet)	(trillion Btu)	(billion gallons)	(trillion Btu)	(billion gallons)	(trillion Btu)	(billion gallons)	
			(trillion Btu)	(billion kWh)									
RSE Column Factor:	0.5	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.9	1.9	1.8	1.8	
<b>Total State</b> .....	824.5	403.1	133.8	39.2	422.5	411	253.2	1.83	Q	Q	Q	Q	20.2
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	362.1	212.4	70.5	20.7	206.2	201	71.5	0.52	Q	Q	Q	Q	39.8
Under 5,500 HDD .....	462.4	190.6	63.3	18.5	216.3	210	181.7	1.31	Q	Q	Q	Q	20.2
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>													
Single-Family .....	480.3	245.7	81.5	23.9	243.2	237	147.9	1.07	Q	Q	Q	Q	24.4
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) ..	328.3	142.5	47.3	13.9	175.4	171	103.7	0.75	Q	Q	Q	Q	19.3
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	195.6	95.0	31.5	9.2	104.3	101	54.5	0.39	Q	Q	Q	Q	18.1
1,000 to 1,999 .....	228.9	112.0	37.2	10.9	115.3	112	71.8	0.52	Q	Q	1.7	0.02	23.2
2,000 or More .....	400.1	196.1	65.1	19.1	202.8	197	126.8	0.91	Q	Q	Q	Q	30.4
<b>Ownership of Unit</b>													
Owned .....	551.2	276.0	91.6	26.9	280.5	273	167.4	1.21	Q	Q	Q	Q	22.3
Rented .....	273.3	127.0	42.2	12.4	142.0	138	85.8	0.62	Q	Q	Q	Q	18.3
<b>Year of Construction</b>													
1939 or Before .....	331.6	128.1	42.5	12.5	166.4	162	117.6	0.85	Q	Q	Q	Q	26.5
1940 to 1979 .....	409.1	203.6	67.6	19.8	214.9	209	124.4	0.90	Q	Q	Q	Q	34.1
1980 or After <sup>3</sup> .....	83.8	71.3	23.7	6.9	41.2	40	11.2	0.08	Q	Q	Q	Q	29.4
<b>1993 Family Income</b>													
Less than \$10,000 .....	100.9	53.2	17.7	5.2	39.1	38	43.7	0.31	Q	Q	Q	Q	30.3
\$10,000 to \$19,999 .....	133.1	64.1	21.3	6.2	79.3	77	27.4	0.20	Q	Q	1.7	0.02	21.1
\$20,000 to \$34,999 .....	167.8	76.2	25.3	7.4	78.1	76	61.1	0.44	Q	Q	Q	Q	36.2
\$35,000 to \$49,999 .....	159.6	73.8	24.5	7.2	84.7	82	48.3	0.35	Q	Q	Q	Q	23.0
\$50,000 or More .....	263.1	135.8	45.1	13.2	141.2	137	72.7	0.52	Q	Q	Q	Q	25.0
<b>Below Poverty Line</b>													
100 Percent .....	112.1	62.0	20.6	6.0	42.6	41	47.4	0.34	Q	Q	Q	Q	26.4
125 Percent .....	151.9	83.7	27.8	8.1	60.5	59	61.2	0.44	Q	Q	Q	Q	25.3
150 Percent .....	188.0	97.8	32.5	9.5	86.6	84	66.5	0.48	Q	Q	Q	Q	26.5
<b>Age of Householder</b>													
Under 35 Years .....	195.1	92.8	30.8	9.0	102.1	99	57.7	0.42	2.1	0.02	2.4	0.03	23.8
35 to 59 Years .....	384.5	210.4	69.8	20.5	185.3	180	121.5	0.88	Q	Q	Q	Q	25.5
60 Years and Over .....	244.9	99.8	33.1	9.7	135.1	131	74.0	0.53	Q	Q	Q	Q	22.8
<b>Household Size</b>													
1 Person .....	143.4	64.9	21.5	6.3	71.8	70	48.9	0.35	Q	Q	Q	Q	27.9
2 to 4 Persons .....	543.5	259.4	86.1	25.2	290.5	283	153.8	1.11	6.2	0.05	Q	Q	20.6
5 or More Persons .....	137.6	78.8	26.2	7.7	60.2	59	50.5	0.36	Q	Q	Q	Q	46.7

<sup>1</sup> Major Energy Sources include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Site electricity is the amount of electricity delivered to households. Primary electricity, which is not included in the "Total of Major Fuels" category, is site electricity plus the conversion losses in the electric generation process at the utility plant. • Because of rounding, data may not sum to totals. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 1993 Residential Energy Consumption Survey.

**Table 3. Total Expenditures in New York State Households, 1993**  
(Billion Dollars)

Characteristics	Major Energy Sources <sup>1</sup>	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
	0.4	0.5	1.0	1.0	2.3	2.1	
<b>Total State</b> .....	10.73	5.43	3.54	1.59	0.06	0.11	19.7
<b>Climate Zone<sup>2</sup></b>							
Under 2,000 CDD and							
Over 5,500 HDD .....	4.57	2.41	1.53	0.48	Q	Q	31.4
Under 5,500 HDD .....	6.16	3.02	2.01	1.11	Q	Q	21.4
2,000 CDD or More and							
Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>							
Single-Family .....	6.20	3.14	1.92	1.04	Q	Q	24.6
Mobile Home .....	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	4.27	2.13	1.58	0.54	Q	Q	17.1
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	2.65	1.39	0.95	0.27	Q	Q	17.6
1,000 to 1,999 .....	2.98	1.51	0.97	0.45	Q	0.03	20.8
2,000 or More .....	5.10	2.54	1.62	0.87	Q	Q	32.1
<b>Ownership of Unit</b>							
Owned .....	7.13	3.59	2.26	1.15	Q	Q	21.4
Rented .....	3.59	1.84	1.28	0.44	Q	Q	16.4
<b>Year of Construction</b>							
1939 or Before .....	3.98	1.75	1.45	0.72	Q	Q	29.0
1940 to 1979 .....	5.40	2.82	1.75	0.80	Q	Q	38.3
1980 or After <sup>3</sup> .....	1.34	0.86	0.33	0.07	Q	Q	31.8
<b>1993 Family Income</b>							
Less than \$10,000 .....	1.34	0.73	0.36	0.24	Q	Q	28.4
\$10,000 to \$19,999 .....	1.65	0.83	0.62	0.16	Q	0.02	23.0
\$20,000 to \$34,999 .....	2.13	1.06	0.66	Q	Q	Q	34.4
\$35,000 to \$49,999 .....	2.10	1.02	0.73	0.32	Q	Q	25.4
\$50,000 or More .....	3.50	1.79	1.16	0.50	Q	Q	25.9
<b>Below Poverty Line</b>							
100 Percent .....	1.52	0.85	0.40	0.26	Q	Q	22.2
125 Percent .....	2.02	1.12	0.54	0.34	Q	Q	22.1
150 Percent .....	2.43	1.31	0.73	0.37	Q	Q	23.0
<b>Age of Householder</b>							
Under 35 Years .....	2.49	1.26	0.85	0.33	0.02	0.03	19.4
35 to 59 Years .....	5.25	2.79	1.57	0.80	Q	Q	26.3
60 Years and Over .....	2.99	1.38	1.12	0.46	Q	Q	26.1
<b>Household Size</b>							
1 Person .....	1.85	0.93	0.61	0.30	Q	Q	25.7
2 to 4 Persons .....	6.98	3.44	2.43	0.98	0.05	0.09	17.9
5 or More Persons .....	1.90	1.07	0.50	0.31	Q	Q	51.8

<sup>1</sup> Major Energy Sources include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 1993 Residential Energy Consumption Survey.

**Table 4. Electricity Consumption and Expenditures in New York State Households, 1993**

Characteristics	Households Using Electricity (million)	Average per Household					Expenditures (cents per kWh)	RSE Row Factors
		Consumption			Expenditures (dollars)	Floorspace (square feet)		
		Primary	Site					
		(million Btu)	(million Btu)	(kWh)				
RSE Column Factor:	0.9	1.5	1.5	1.5	1.2	0.7	0.4	
<b>Total State</b> .....	6.8	59.2	19.7	5,763	799	1,888	13.9	8.2
<b>Climate Zone<sup>1</sup></b>								
Under 2,000 CDD and Over 5,500 HDD .....	2.8	75.7	25.1	7,364	859	2,309	11.7	12.0
Under 5,500 HDD .....	4.0	47.7	15.8	4,639	756	1,593	16.3	8.1
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>								
Single-Family .....	2.9	85.6	28.4	8,329	1,096	3,039	13.2	8.5
Mobile Home .....	Q	84.8	28.2	8,252	933	1,148	11.3	6.0
Multifamily (2 or more units) .....	3.8	37.9	12.6	3,689	566	1,044	15.3	6.5
<b>Heated Floorspace (square feet)</b>								
Fewer than 1,000 .....	2.6	37.0	12.3	3,595	539	737	15.0	6.4
1,000 to 1,999 .....	2.1	54.2	18.0	5,269	728	1,697	13.8	10.0
2,000 or More .....	2.2	90.6	30.1	8,811	1,174	3,438	13.3	9.1
<b>Ownership of Unit</b>								
Owned .....	3.5	78.4	26.0	7,626	1,020	2,707	13.4	7.8
Rented .....	3.3	38.7	12.8	3,765	562	1,009	14.9	6.2
<b>Year of Construction</b>								
1939 or Before .....	2.6	48.7	16.2	4,740	667	1,694	14.1	6.0
1940 to 1979 .....	3.2	63.5	21.1	6,172	880	2,025	14.3	10.4
1980 or After <sup>2</sup> .....	1.0	73.9	24.5	7,190	886	1,964	12.3	17.7
<b>1993 Family Income</b>								
Less than \$10,000 .....	1.1	46.9	15.6	4,564	646	1,248	14.1	10.5
\$10,000 to \$19,999 .....	1.2	53.1	17.6	5,167	688	1,491	13.3	8.2
\$20,000 to \$34,999 .....	1.4	52.6	17.4	5,113	730	1,693	14.3	12.2
\$35,000 to \$49,999 .....	1.3	56.0	18.6	5,446	777	1,929	14.3	9.6
\$50,000 or More .....	1.7	80.1	26.6	7,791	1,055	2,733	13.5	11.6
<b>Below Poverty Line</b>								
100 Percent .....	1.2	52.0	17.3	5,060	711	1,285	14.1	7.5
125 Percent .....	1.6	53.3	17.7	5,186	715	1,356	13.8	8.6
150 Percent .....	1.8	52.9	17.6	5,146	708	1,345	13.8	9.3
<b>Age of Householder</b>								
Under 35 Years .....	1.9	49.7	16.5	4,834	676	1,429	14.0	6.8
35 to 59 Years .....	3.0	70.4	23.4	6,850	932	2,181	13.6	11.0
60 Years and Over .....	1.9	51.3	17.0	4,986	711	1,880	14.3	8.8
<b>Household Size</b>								
1 Person .....	1.7	38.2	12.7	3,712	545	1,276	14.7	10.2
2 to 4 Persons .....	4.3	60.2	20.0	5,854	797	1,951	13.6	6.4
5 or More Persons .....	0.8	99.3	33.0	9,664	1,350	2,860	14.0	16.1

<sup>1</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>2</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Site electricity is the amount of electricity delivered to households. Primary electricity is site electricity plus the conversion losses in the electric generation process at the utility plant. • Because of rounding, data may not sum to totals. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, and E of the 1993 Residential Energy Consumption Survey.

**Table 5. Natural Gas Consumption and Expenditures in New York State Households, 1993**

Characteristics	Households Using Natural Gas (million)	Average per Household				Expenditures (dollars per thousand cf)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(thousand cf)				
RSE Column Factor:	1.5	1.4	1.4	1.3	0.7	0.4	
<b>Total State</b> .....	5.2	80.9	78.7	677	1,759	8.61	8.3
<b>Climate Zone:</b> <sup>1</sup>							
Under 2,000 CDD and							
Over 5,500 HDD .....	1.7	119.5	116.2	885	2,286	7.62	8.3
Under 5,500 HDD .....	3.5	61.9	60.2	575	1,498	9.55	8.8
2,000 CDD or More and							
Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>							
Single-Family .....	1.9	128.0	124.5	1013	3,023	8.13	5.6
Mobile Home .....	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	3.3	53.8	52.3	485	1,027	9.28	11.2
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	2.1	48.7	47.3	441	714	9.31	6.1
1,000 to 1,999 .....	1.6	73.6	71.6	622	1,625	8.68	8.5
2,000 or More .....	1.5	134.4	130.7	1071	3,382	8.20	8.6
<b>Ownership of Unit</b>							
Owned .....	2.5	113.4	110.3	913	2,651	8.28	7.0
Rented .....	2.7	51.7	50.3	465	956	9.25	10.9
<b>Year of Construction</b>							
1939 or Before .....	2.1	78.8	76.7	689	1,502	8.98	7.1
1940 to 1979 .....	2.5	85.7	83.3	697	1,950	8.36	15.9
1980 or After <sup>2</sup> .....	0.6	68.5	66.6	556	1,862	8.34	14.2
<b>1993 Family Income</b>							
Less than \$10,000 .....	0.8	47.7	46.4	437	1,135	9.43	10.1
\$10,000 to \$19,999 .....	0.9	88.3	85.9	694	1,419	8.08	20.5
\$20,000 to \$34,999 .....	1.1	68.6	66.7	578	1,430	8.66	9.4
\$35,000 to \$49,999 .....	1.1	78.6	76.5	680	1,772	8.90	8.6
\$50,000 or More .....	1.3	110.0	107.0	906	2,674	8.47	10.4
<b>Below Poverty Line</b>							
100 Percent .....	0.9	49.0	47.7	454	1,167	9.52	17.4
125 Percent .....	1.1	53.6	52.1	480	1,225	9.20	19.5
150 Percent .....	1.3	64.3	62.6	544	1,247	8.69	19.3
<b>Age of Householder</b>							
Under 35 Years .....	1.4	71.0	69.1	590	1,254	8.54	9.8
35 to 59 Years .....	2.2	85.9	83.6	729	2,022	8.72	9.1
60 Years and Over .....	1.6	83.1	80.8	686	1,857	8.49	13.2
<b>Household Size</b>							
1 Person .....	1.4	52.0	50.6	441	1,146	8.70	11.9
2 to 4 Persons .....	3.3	88.6	86.1	740	1,838	8.59	8.1
5 or More Persons .....	0.6	107.5	104.6	898	2,804	8.58	18.9

<sup>1</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>2</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, and F of the 1993 Residential Energy Consumption Survey.

**Table 6. Fuel Oil Consumption and Expenditures in New York State Households, 1993**

Characteristics	Households Using Fuel Oil (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factor:	2.1	1.1	1.1	1.3	0.9	0.3	
<b>Total State</b> .....	2.6	95.7	690	601	1,840	0.87	7.6
<b>Climate Zone:</b> <sup>1</sup>							
Under 2,000 CDD and Over 5,500 HDD .....	0.6	118.3	853	793	2,982	0.93	11.0
Under 5,500 HDD .....	2.0	89.0	642	545	1,502	0.85	9.0
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>							
Single-Family .....	1.0	145.6	1050	1024	3,077	0.97	8.2
Mobile Home .....	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.6	65.0	469	339	1,071	0.72	7.2
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	1.0	53.1	383	261	758	0.68	5.8
1,000 to 1,999 .....	0.8	89.9	648	564	1,714	0.87	5.2
2,000 or More .....	0.8	154.5	1114	1063	3,314	0.95	9.2
<b>Ownership of Unit</b>							
Owned .....	1.3	133.8	964	920	2,707	0.95	9.1
Rented .....	1.4	61.5	444	315	1,061	0.71	4.9
<b>Year of Construction</b>							
1939 or Before .....	1.2	95.2	687	580	1,763	0.84	9.2
1940 to 1979 .....	1.2	100.5	725	647	1,867	0.89	12.1
1980 or After <sup>2</sup> .....	0.2	64.7	467	426	2,189	0.91	10.9
<b>1993 Family Income</b>							
Less than \$10,000 .....	0.6	74.9	540	420	1,432	0.78	12.3
\$10,000 to \$19,999 .....	0.3	78.9	569	447	1,443	0.79	11.5
\$20,000 to \$34,999 .....	0.6	104.1	751	645	1,715	0.86	24.5
\$35,000 to \$49,999 .....	0.5	89.4	645	585	1,841	0.91	13.2
\$50,000 or More .....	0.6	123.6	891	844	2,602	0.95	6.5
<b>Below Poverty Line</b>							
100 Percent .....	0.6	74.2	535	412	1,420	0.77	8.8
125 Percent .....	0.8	74.3	536	409	1,399	0.76	9.3
150 Percent .....	0.9	72.8	525	401	1,351	0.76	9.4
<b>Age of Householder</b>							
Under 35 Years .....	0.7	80.9	583	464	1,536	0.80	10.9
35 to 59 Years .....	1.3	96.8	698	634	2,028	0.91	8.3
60 Years and Over .....	0.7	109.3	788	686	1,811	0.87	18.3
<b>Household Size</b>							
1 Person .....	0.6	82.5	594	508	1,365	0.85	18.5
2 to 4 Persons .....	1.6	93.8	676	595	1,936	0.88	5.1
5 or More Persons .....	0.4	122.5	883	763	2,142	0.86	14.1

<sup>1</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>2</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, and G of the 1993 Residential Energy Consumption Survey.

**Table 7. Wood Consumption in New York State Households,  
December 1992 through November 1993**

Characteristics	Households Using Wood					Wood Used as Main Space-Heating Fuel					RSE Row Factors
	House- holds (mil- lions)	Consumption				House- holds (mil- lions)	Consumption				
		Total		Average per Household			Total		Average per Household		
		(quad- rillion Btu)	(million cords)	(million Btu)	(cords)		(quad- rillion Btu)	(million cords)	(million Btu)	(cords)	
RSE Column Factor:	0.5	1.1	1.1	1.2	1.2	0.8	1.2	1.2	1.0	1.0	
<b>Total State</b> .....	1.0	0.06	2.8	56.7	2.8	0.2	Q	Q	179.1	9.0	38.8
<b>Climate Zone<sup>1</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	0.7	Q	Q	76.9	3.8	0.2	Q	Q	179.1	9.0	38.0
Under 5,500 HDD .....	0.3	(*)	(*)	3.5	0.2	Q	Q	Q	Q	Q	30.2
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>											
Single-Family .....	0.9	0.05	2.6	58.6	2.9	0.2	Q	Q	180.4	9.0	37.6
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1,000 to 1,999 .....	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	93.5
2,000 or More .....	0.7	0.03	1.5	39.5	2.0	0.1	Q	Q	Q	Q	31.8
<b>Ownership of Unit</b>											
Owned .....	0.9	0.05	2.4	53.5	2.7	0.2	0.03	1.4	169.0	8.5	37.3
Rented .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Year of Construction</b>											
1939 or Before .....	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	45.6
1940 to 1979 .....	0.5	0.02	0.8	33.7	1.7	Q	Q	Q	Q	Q	31.1
1980 or After <sup>2</sup> .....	0.2	0.01	0.6	Q	Q	Q	Q	Q	Q	Q	35.7
<b>1993 Family Income</b>											
Less than \$10,000 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
\$10,000 to \$19,999 .....	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.5
\$20,000 to \$34,999 .....	0.2	0.01	0.6	70.4	3.5	Q	Q	Q	Q	Q	35.4
\$35,000 to \$49,999 .....	0.1	0.01	0.4	55.3	2.8	Q	Q	Q	Q	Q	26.1
\$50,000 or More .....	0.5	Q	Q	27.7	1.4	Q	Q	Q	Q	Q	35.8
<b>Below Poverty Line</b>											
100 Percent .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
125 Percent .....	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	59.0
150 Percent .....	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	59.0
<b>Age of Householder</b>											
Under 35 Years .....	0.2	0.01	0.4	55.8	2.8	Q	Q	Q	Q	Q	25.3
35 to 59 Years .....	0.6	Q	Q	69.0	3.5	Q	Q	Q	237.9	11.9	35.3
60 Years and Over .....	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	47.3

See footnotes at end of table.

**Table 7. Wood Consumption in New York State Households,  
December 1992 through November 1993 (Continued)**

Characteristics	Households Using Wood					Wood Used as Main Space-Heating Fuel					RSE Row Fac- tors
	House- holds (mil- lions)	Consumption				House- holds (mil- lions)	Consumption				
		Total		Average per Household			Total		Average per Household		
		(quad- rillion Btu)	(million cords)	(million Btu)	(cords)		(quad- rillion Btu)	(million cords)	(million Btu)	(cords)	
RSE Column Factor:	0.5	1.1	1.1	1.2	1.2	0.8	1.2	1.2	1.0	1.0	

**Household Size**

1 Person .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2 to 4 Persons .....	0.7	0.04	2.1	59.1	3.0	0.1	0.02	1.2	188.1	9.4	37.3
5 or More Persons .....	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	61.4

<sup>1</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>2</sup> Does not include all new construction for 1993.

(\*) = Value rounds to zero in the units displayed.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, and C of the 1993 Residential Energy Consumption Survey.

**Table 8. Average Expenditures for Major Energy Sources in New York State Households, 1993**

(Dollars per Million Btu)

Characteristics	Major Energy Sources <sup>1</sup>	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
	1.0	0.8	0.8	0.6	0.9	2.8	
<b>Total State</b> .....	13.0	40.6	8.4	6.3	7.8	13.8	3.1
<b>Climate Zone<sup>2</sup></b>							
Under 2,000 CDD and							
Over 5,500 HDD .....	12.6	34.2	7.4	6.7	7.8	13.3	3.9
Under 5,500 HDD .....	13.3	47.8	9.3	6.1	Q	Q	2.6
2,000 CDD or More and							
Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>							
Single-Family .....	12.9	38.6	7.9	7.0	8.0	13.9	4.4
Mobile Home .....	16.0	33.2	Q	Q	7.7	13.3	2.2
Multifamily (2 or more units) .....	13.0	44.9	9.0	5.2	Q	Q	4.7
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	13.5	44.0	9.1	4.9	7.8	12.6	3.5
1,000 to 1,999 .....	13.0	40.5	8.4	6.3	Q	16.0	4.9
2,000 or More .....	12.7	39.1	8.0	6.9	Q	13.4	4.0
<b>Ownership of Unit</b>							
Owned .....	12.9	39.2	8.1	6.9	7.9	13.6	3.5
Rented .....	13.1	43.7	9.0	5.1	Q	Q	5.3
<b>Year of Construction</b>							
1939 or Before .....	12.0	41.3	8.7	6.1	7.8	16.2	4.7
1940 to 1979 .....	13.2	41.8	8.1	6.4	Q	15.8	6.2
1980 or After <sup>3</sup> .....	16.0	36.1	8.1	6.6	7.8	12.0	4.3
<b>1993 Family Income</b>							
Less than \$10,000 .....	13.3	41.5	9.2	5.6	Q	Q	5.9
\$10,000 to \$19,999 .....	12.4	39.0	7.9	5.7	Q	11.9	5.3
\$20,000 to \$34,999 .....	12.7	41.9	8.4	6.2	Q	19.4	6.3
\$35,000 to \$49,999 .....	13.2	41.8	8.7	6.5	Q	Q	4.2
\$50,000 or More .....	13.3	39.7	8.2	6.8	Q	12.6	4.7
<b>Below Poverty Line</b>							
100 Percent .....	13.6	41.2	9.3	5.6	Q	Q	6.8
125 Percent .....	13.3	40.4	9.0	5.5	Q	Q	6.2
150 Percent .....	12.9	40.3	8.5	5.5	Q	Q	6.6
<b>Age of Householder</b>							
Under 35 Years .....	12.8	41.0	8.3	5.7	8.0	13.3	4.8
35 to 59 Years .....	13.7	39.9	8.5	6.5	7.9	14.1	4.6
60 Years and Over .....	12.2	41.8	8.3	6.3	Q	Q	5.7
<b>Household Size</b>							
1 Person .....	12.9	43.0	8.5	6.2	Q	Q	6.7
2 to 4 Persons .....	12.8	39.9	8.4	6.3	7.8	13.5	3.1
5 or More Persons .....	13.8	40.9	8.3	6.2	Q	Q	6.3

<sup>1</sup> Major Energy Sources include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 1993 Residential Energy Consumption Survey.

**Table 9. Total Consumption and Expenditures by End Uses in New York State Households, 1993**

Characteristics	Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Consumption (trillion Btu)	Expenditures (billion dollars)									
	1.1 <sup>1</sup>	0.9 <sup>1</sup>	1.7 <sup>1</sup>	1.7 <sup>1</sup>	1.0 <sup>1</sup>	0.8 <sup>1</sup>	0.8 <sup>1</sup>	0.8 <sup>1</sup>	0.8 <sup>1</sup>	0.8 <sup>1</sup>	
<b>Total State</b> .....	511.0	3.95	11.4	0.50	162.4	1.51	23.7	1.01	116.0	3.76	7.6
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	236.8	1.85	3.3	0.12	59.5	0.68	10.3	0.36	52.1	1.56	9.3
Under 5,500 HDD .....	274.2	2.10	8.1	0.38	102.8	0.83	13.3	0.65	64.0	2.20	12.8
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>											
Single-Family .....	319.4	2.46	6.4	0.27	72.8	0.76	12.8	0.51	69.0	2.21	12.6
Mobile Home .....	Q	Q	Q	Q	1.5	0.05	Q	Q	Q	Q	53.3
Multifamily (2 or more units) .....	181.2	1.41	4.5	0.21	88.2	0.70	10.3	0.48	44.1	1.46	8.0
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	103.5	0.84	2.1	0.10	53.8	0.46	7.1	0.33	29.0	0.92	8.5
1,000 to 1,999 .....	139.4	1.08	2.8	0.12	48.5	0.45	6.3	0.27	31.8	1.06	11.7
2,000 or More .....	268.0	2.03	6.5	0.28	60.1	0.60	10.3	0.41	55.2	1.78	17.1
<b>Ownership of Unit</b>											
Owned .....	363.7	2.82	7.8	0.33	86.9	0.87	15.0	0.61	77.9	2.51	9.4
Rented .....	147.3	1.14	3.6	0.17	75.5	0.64	8.7	0.40	38.2	1.25	8.3
<b>Year of Construction</b>											
1939 or Before .....	212.3	1.59	2.4	0.11	66.4	0.58	8.1	0.35	42.5	1.35	18.9
1940 to 1979 .....	253.6	1.96	7.0	0.31	77.7	0.69	12.6	0.55	58.1	1.90	22.5
1980 or After <sup>3</sup> .....	45.1	0.40	2.1	0.08	18.3	0.24	3.0	0.11	15.4	0.51	21.9
<b>1993 Family Income</b>											
Less than \$10,000 .....	61.6	0.48	0.8	0.04	20.5	0.20	3.8	0.16	14.2	0.46	15.6
\$10,000 to \$19,999 .....	84.9	0.65	1.3	0.06	25.4	0.24	4.0	0.17	17.4	0.55	13.1
\$20,000 to \$34,999 .....	105.8	0.80	2.6	0.12	32.5	0.29	4.6	0.21	22.2	0.72	21.5
\$35,000 to \$49,999 .....	97.4	0.76	1.8	0.08	34.4	0.34	4.1	0.18	21.9	0.73	15.6
\$50,000 or More .....	161.3	1.27	4.8	0.21	49.6	0.45	7.1	0.29	40.3	1.29	13.0
<b>Below Poverty Line</b>											
100 Percent .....	65.3	0.51	1.0	0.04	24.7	0.24	3.9	0.17	17.2	0.56	8.2
125 Percent .....	87.9	0.66	1.4	0.06	34.0	0.32	5.2	0.22	23.4	0.75	8.5
150 Percent .....	111.4	0.84	1.6	0.07	41.5	0.38	6.2	0.26	27.3	0.87	9.3
<b>Age of Householder</b>											
Under 35 Years .....	113.8	0.88	1.8	0.08	47.1	0.43	5.4	0.24	27.1	0.87	8.0
35 to 59 Years .....	225.9	1.77	6.7	0.29	79.3	0.76	11.0	0.46	61.6	1.97	14.8
60 Years and Over .....	171.3	1.30	2.9	0.13	36.0	0.32	7.3	0.31	27.3	0.92	12.5
<b>Household Size</b>											
1 Person .....	97.7	0.76	1.8	0.08	23.0	0.21	5.6	0.25	15.4	0.55	9.9
2 to 4 Persons .....	337.3	2.63	6.3	0.27	108.4	1.03	14.7	0.62	76.7	2.43	5.8
5 or More Persons .....	76.0	0.57	Q	Q	31.0	0.27	3.3	0.14	24.0	0.77	33.4

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• Consumption and Expenditures data are for major energy sources which include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 1993 Residential Energy Consumption Survey.

**Table 10. Consumption by End Uses, per New York State Households, 1993**

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Households (million)	Consumption (million Btu)											
	0.9	0.9	1.0	1.0 <sup>1</sup>	1.4	1.6 <sup>1</sup>	1.0	1.0 <sup>1</sup>	0.9	0.9 <sup>1</sup>	0.9	0.7 <sup>1</sup>	
<b>Total State</b> .....	6.8	121.2	6.7	76.2	3.9	2.9	6.7	24.1	6.8	3.5	6.8	17.1	6.1
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and													
Over 5,500 HDD .....	2.8	129.0	2.8	86.0	1.3	2.5	2.8	21.2	2.8	3.7	2.8	18.6	8.3
Under 5,500 HDD .....	4.0	115.7	3.9	69.4	2.6	3.1	3.9	26.1	4.0	3.3	4.0	16.0	6.8
2,000 CDD or More and													
Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>													
Single-Family .....	2.9	167.4	2.8	113.4	1.6	3.9	2.9	25.4	2.9	4.5	2.9	24.0	8.0
Mobile Home .....	Q	90.7	Q	59.3	Q	Q	Q	8.3	Q	3.5	Q	17.0	10.0
Multifamily (2 or more units)	3.8	87.3	3.7	48.8	2.2	2.1	3.7	23.9	3.8	2.7	3.8	11.7	5.9
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	2.6	76.1	2.5	41.1	1.3	1.6	2.5	21.5	2.6	2.8	2.6	11.3	7.3
1,000 to 1,999 .....	2.1	110.7	2.0	68.6	1.3	2.1	2.1	23.4	2.1	3.0	2.1	15.4	6.9
2,000 or More .....	2.2	184.8	2.2	124.5	1.3	5.1	2.2	27.7	2.2	4.7	2.2	25.5	9.3
<b>Ownership of Unit</b>													
Owned .....	3.5	156.6	3.5	104.9	2.1	3.7	3.5	24.8	3.5	4.3	3.5	22.1	5.8
Rented .....	3.3	83.3	3.2	45.5	1.8	2.0	3.2	23.4	3.3	2.7	3.3	11.6	5.1
<b>Year of Construction</b>													
1939 or Before .....	2.6	126.1	2.6	82.1	1.2	2.0	2.6	25.6	2.6	3.1	2.6	16.2	8.6
1940 to 1979 .....	3.2	127.5	3.2	80.0	2.1	3.4	3.2	24.4	3.2	3.9	3.2	18.1	13.2
1980 or After <sup>3</sup> .....	1.0	86.8	0.9	47.5	0.7	3.0	1.0	19.0	1.0	3.1	1.0	15.9	14.0
<b>1993 Family Income</b>													
Less than \$10,000 .....	1.1	89.0	1.1	56.1	0.5	1.7	1.1	18.6	1.1	3.3	1.1	12.5	8.2
\$10,000 to \$19,999 .....	1.2	110.4	1.2	71.9	0.7	2.0	1.2	21.1	1.2	3.3	1.2	14.4	9.2
\$20,000 to \$34,999 .....	1.4	115.8	1.4	73.2	0.8	3.2	1.4	22.8	1.4	3.2	1.4	15.4	13.1
\$35,000 to \$49,999 .....	1.3	121.0	1.3	75.9	0.9	2.1	1.3	26.3	1.3	3.1	1.3	16.6	12.7
\$50,000 or More .....	1.7	155.2	1.7	95.1	1.1	4.6	1.7	29.2	1.7	4.2	1.7	23.8	8.5
<b>Below Poverty Line</b>													
100 Percent .....	1.2	94.1	1.1	57.1	0.5	2.0	1.2	21.3	1.2	3.3	1.2	14.5	8.2
125 Percent .....	1.6	96.8	1.5	57.8	0.7	2.0	1.5	22.1	1.6	3.3	1.6	14.9	9.6
150 Percent .....	1.8	101.7	1.8	61.9	0.8	1.9	1.8	22.8	1.8	3.3	1.8	14.8	11.1
<b>Age of Householder</b>													
Under 35 Years .....	1.9	104.4	1.9	61.4	0.9	1.9	1.9	25.4	1.9	2.9	1.9	14.5	6.6
35 to 59 Years .....	3.0	128.7	2.9	77.8	1.8	3.7	2.9	27.0	3.0	3.7	3.0	20.6	10.6
60 Years and Over .....	1.9	125.8	1.9	88.2	1.1	2.6	1.9	18.5	1.9	3.8	1.9	14.0	11.4
<b>Household Size</b>													
1 Person .....	1.7	84.4	1.7	58.4	0.9	1.9	1.7	13.7	1.7	3.3	1.7	9.0	8.1
2 to 4 Persons .....	4.3	126.1	4.2	79.4	2.5	2.5	4.3	25.4	4.3	3.4	4.3	17.8	3.8
5 or More Persons .....	0.8	173.4	0.8	97.2	0.5	Q	0.8	39.1	0.8	4.2	0.8	30.2	17.6

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• Consumption and Expenditure data are for major energy sources which include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 1993 Residential Energy Consumption Survey.

**Table 11. Expenditures by End Uses, per New York State Households, 1993**

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Households (mil- lion)	Expend- itures (dol- lars)	House- holds (mil- lion)	Expend- itures (dol- lars)	House- holds (mil- lion)	Expend- itures (dol- lars)	House- holds (mil- lion)	Expend- itures (dol- lars)	House- holds (mil- lion)	Expend- itures (dol- lars)	House- holds (mil- lion)	Expend- itures (dol- lars)	
	1.0	0.8	1.0	1.0 <sup>1</sup>	1.5	1.5 <sup>1</sup>	1.0	0.8 <sup>1</sup>	1.0	0.8 <sup>1</sup>	1.0	0.8 <sup>1</sup>	
<b>Total State</b> .....	6.8	1,577	6.7	590	3.9	128	6.7	224	6.8	149	6.8	552	6.0
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	2.8	1,627	2.8	672	1.3	88	2.8	243	2.8	129	2.8	555	6.5
Under 5,500 HDD .....	4.0	1,541	3.9	533	2.6	148	3.9	211	4.0	162	4.0	550	7.1
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>													
Single-Family .....	2.9	2,162	2.8	872	1.6	165	2.9	264	2.9	176	2.9	771	8.3
Mobile Home .....	Q	1,447	Q	470	Q	Q	Q	276	Q	116	Q	500	11.1
Multifamily (2 or more units) .....	3.8	1,136	3.7	381	2.2	98	3.7	190	3.8	129	3.8	387	4.9
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	2.6	1,030	2.5	334	1.3	75	2.5	183	2.6	129	2.6	357	5.8
1,000 to 1,999 .....	2.1	1,442	2.0	532	1.3	93	2.1	216	2.1	130	2.1	513	7.6
2,000 or More .....	2.2	2,355	2.2	944	1.3	218	2.2	279	2.2	189	2.2	820	9.4
<b>Ownership of Unit</b>													
Owned .....	3.5	2,026	3.5	812	2.1	159	3.5	248	3.5	172	3.5	712	5.9
Rented .....	3.3	1,094	3.2	352	1.8	92	3.2	197	3.3	123	3.3	380	4.6
<b>Year of Construction</b>													
1939 or Before .....	2.6	1,514	2.6	615	1.2	96	2.6	224	2.6	134	2.6	513	7.8
1940 to 1979 .....	3.2	1,684	3.2	618	2.1	149	3.2	217	3.2	170	3.2	592	13.2
1980 or After <sup>3</sup> .....	1.0	1,390	0.9	426	0.7	117	1.0	247	1.0	117	1.0	525	12.9
<b>1993 Family Income</b>													
Less than \$10,000 .....	1.1	1,183	1.1	433	0.5	77	1.1	184	1.1	144	1.1	408	8.9
\$10,000 to \$19,999 .....	1.2	1,372	1.2	548	0.7	85	1.2	195	1.2	138	1.2	455	7.6
\$20,000 to \$34,999 .....	1.4	1,471	1.4	553	0.8	145	1.4	201	1.4	142	1.4	500	13.6
\$35,000 to \$49,999 .....	1.3	1,593	1.3	596	0.9	94	1.3	257	1.3	139	1.3	557	11.6
\$50,000 or More .....	1.7	2,063	1.7	747	1.1	194	1.7	265	1.7	172	1.7	758	9.1
<b>Below Poverty Line</b>													
100 Percent .....	1.2	1,275	1.1	444	0.5	89	1.2	203	1.2	142	1.2	474	6.3
125 Percent .....	1.6	1,288	1.5	436	0.7	89	1.5	206	1.6	142	1.6	481	7.7
150 Percent .....	1.8	1,314	1.8	466	0.8	87	1.8	210	1.8	142	1.8	473	8.6
<b>Age of Householder</b>													
Under 35 Years .....	1.9	1,333	1.9	475	0.9	86	1.9	230	1.9	126	1.9	465	4.9
35 to 59 Years .....	3.0	1,757	2.9	609	1.8	159	2.9	259	3.0	154	3.0	659	10.5
60 Years and Over .....	1.9	1,534	1.9	671	1.1	111	1.9	165	1.9	162	1.9	472	10.1
<b>Household Size</b>													
1 Person .....	1.7	1,085	1.7	452	0.9	87	1.7	124	1.7	148	1.7	323	7.4
2 to 4 Persons .....	4.3	1,620	4.2	618	2.5	108	4.3	242	4.3	143	4.3	565	3.4
5 or More Persons .....	0.8	2,395	0.8	728	0.5	Q	0.8	339	0.8	179	0.8	974	17.8

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• Consumption and Expenditure data are for major energy sources which include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 1993 Residential Energy Consumption Survey.

**Table 12. Total Electricity and Natural Gas Consumption and Expenditures for Space Heating in New York State Households, 1993**

Characteristics	Electricity				Natural Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(trillion Btu)	(billion kWh)			(trillion Btu)	(billion cubic feet)		
RSE Column Factor:	1.1	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	0.8	1.0 <sup>1</sup>	1.0 <sup>1</sup>	1.0 <sup>1</sup>	
<b>Total State</b> .....	1.1	Q	Q	Q	3.6	290.3	282	2.33	24.0
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and Over 5,500 HDD .....	0.8	Q	Q	Q	1.7	155.3	151	1.14	45.0
Under 5,500 HDD .....	0.3	1.0	0.3	0.05	1.9	135.0	131	1.18	16.1
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>									
Single-Family .....	0.6	Q	Q	Q	1.6	179.7	175	1.40	25.7
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	0.5	Q	Q	Q	1.9	106.8	104	0.90	27.1
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	0.4	Q	Q	Q	1.2	61.8	60	0.52	16.5
1,000 to 1,999 .....	0.3	Q	Q	Q	1.1	78.9	77	0.64	29.0
2,000 or More .....	0.4	Q	Q	Q	1.2	149.5	145	1.17	27.9
<b>Ownership of Unit</b>									
Owned .....	0.7	Q	Q	Q	2.0	206.3	201	1.63	23.4
Rented .....	0.4	Q	Q	Q	1.6	84.0	82	0.70	27.2
<b>Year of Construction</b>									
1939 or Before .....	0.4	Q	Q	Q	1.4	113.9	111	0.94	20.3
1940 to 1979 .....	0.5	Q	Q	Q	1.7	149.0	145	1.17	44.1
1980 or After <sup>3</sup> .....	0.2	Q	Q	Q	0.6	27.3	27	0.22	19.5
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.2	Q	Q	Q	0.4	24.2	24	0.19	26.7
\$10,000 to \$19,999 .....	0.2	Q	Q	Q	0.7	58.5	57	0.45	32.4
\$20,000 to \$34,999 .....	0.2	Q	Q	Q	0.8	53.9	52	0.43	23.9
\$35,000 to \$49,999 .....	Q	Q	Q	Q	0.7	56.0	54	0.47	29.9
\$50,000 or More .....	0.3	Q	Q	Q	1.0	97.7	95	0.78	25.1
<b>Below Poverty Line</b>									
100 Percent .....	0.3	Q	Q	Q	0.4	25.8	25	0.21	40.8
125 Percent .....	0.3	Q	Q	Q	0.5	37.3	36	0.30	39.2
150 Percent .....	0.4	Q	Q	Q	0.7	56.4	55	0.43	40.7
<b>Age of Householder</b>									
Under 35 Years .....	0.3	Q	Q	Q	1.0	66.7	65	0.52	22.0
35 to 59 Years .....	0.5	Q	Q	Q	1.5	120.2	117	0.98	28.5
60 Years and Over .....	0.4	Q	Q	Q	1.2	103.4	101	0.82	27.9
<b>Household Size</b>									
1 Person .....	0.3	Q	Q	Q	1.0	52.2	51	0.42	31.9
2 to 4 Persons .....	0.7	Q	Q	Q	2.3	200.5	195	1.61	23.4
5 or More Persons .....	0.1	Q	Q	Q	0.3	37.5	37	0.30	39.1

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, E, and F of the 1993 Residential Energy Consumption Survey.

**Table 13. Total Fuel Oil, Kerosene, and LPG Consumption and Expenditures for Space Heating in New York State Households, 1993**

Characteristics	Fuel Oil				Kerosene				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(trillion Btu)	(billion gallons)			(trillion Btu)	(billion gallons)			(trillion Btu)	(billion gallons)		
		0.6	0.7 <sup>1</sup>			0.7 <sup>1</sup>	0.8 <sup>1</sup>			1.3	1.3 <sup>1</sup>		
<b>Total State</b> .....	2.6	203.8	1.47	1.31	0.3	Q	Q	0.06	Q	Q	Q	Q	29.4
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	0.6	66.2	0.48	0.44	0.2	Q	Q	Q	Q	Q	Q	Q	58.0
Under 5,500 HDD .....	2.0	137.6	0.99	0.87	Q	Q	Q	Q	Q	Q	Q	Q	26.1
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>													
Single-Family .....	1.0	132.7	0.96	0.93	Q	Q	Q	Q	Q	Q	Q	Q	37.0
Mobile Home .....	Q	Q	Q	Q	0.1	Q	Q	Q	Q	Q	Q	Q	32.2
Multifamily (2 or more units) ..	1.5	69.6	0.50	0.37	Q	Q	Q	Q	Q	Q	Q	Q	26.6
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	1.0	34.2	0.25	0.17	0.1	Q	Q	Q	Q	Q	Q	Q	19.8
1,000 to 1,999 .....	0.8	55.6	0.40	0.36	Q	Q	Q	Q	Q	Q	Q	Q	26.0
2,000 or More .....	0.8	114.0	0.82	0.78	Q	Q	Q	Q	Q	Q	Q	Q	48.8
<b>Ownership of Unit</b>													
Owned .....	1.3	146.6	1.06	1.01	0.2	Q	Q	Q	Q	Q	Q	Q	35.1
Rented .....	1.3	57.2	0.41	0.30	Q	Q	Q	Q	Q	Q	Q	Q	17.0
<b>Year of Construction</b>													
1939 or Before .....	1.2	94.3	0.68	0.59	Q	Q	Q	Q	Q	Q	Q	Q	30.7
1940 to 1979 .....	1.2	100.3	0.72	0.66	Q	Q	Q	Q	Q	Q	Q	Q	37.2
1980 or After <sup>3</sup> .....	0.2	9.2	0.07	0.06	Q	Q	Q	Q	0.1	Q	Q	Q	36.7
<b>1993 Family Income</b>													
Less than \$10,000 .....	0.6	35.1	0.25	0.20	Q	Q	Q	Q	Q	Q	Q	Q	50.5
\$10,000 to \$19,999 .....	0.3	20.8	0.15	0.12	Q	Q	Q	Q	Q	Q	Q	Q	28.7
\$20,000 to \$34,999 .....	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	42.8
\$35,000 to \$49,999 .....	0.5	39.4	0.28	0.26	Q	Q	Q	Q	Q	Q	Q	Q	22.6
\$50,000 or More .....	0.6	60.0	0.43	0.42	Q	Q	Q	Q	Q	Q	Q	Q	37.7
<b>Below Poverty Line</b>													
100 Percent .....	0.6	36.2	0.26	0.21	Q	Q	Q	Q	Q	Q	Q	Q	38.5
125 Percent .....	0.8	46.3	0.33	0.26	Q	Q	Q	Q	Q	Q	Q	Q	39.9
150 Percent .....	0.9	50.2	0.36	0.29	Q	Q	Q	Q	Q	Q	Q	Q	41.2
<b>Age of Householder</b>													
Under 35 Years .....	0.7	41.6	0.30	0.25	0.1	2.1	0.02	0.02	Q	Q	Q	Q	31.4
35 to 59 Years .....	1.2	98.2	0.71	0.66	Q	Q	Q	Q	Q	Q	Q	Q	28.2
60 Years and Over .....	0.7	63.9	0.46	0.41	Q	Q	Q	Q	Q	Q	Q	Q	47.3
<b>Household Size</b>													
1 Person .....	0.6	42.7	0.31	0.27	Q	Q	Q	Q	Q	Q	Q	Q	47.2
2 to 4 Persons .....	1.6	123.8	0.89	0.81	0.2	6.1	0.05	0.05	Q	Q	Q	Q	31.2
5 or More Persons .....	0.4	37.2	0.27	0.24	Q	Q	Q	Q	Q	Q	Q	Q	42.4

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row/column factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, D, and G of the 1993 Residential Energy Consumption Survey.

**Table 14. Natural Gas Consumption and Expenditures for Main Space Heating, per New York State Households, 1993**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Natural Gas Space-Heating Intensity		RSE Row Factors
		(million Btu)	(1000 cubic feet)			1993	30-Year Average <sup>2</sup>	Consumption (cubic feet/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factor:										
<b>Total State</b> .....	3.6	80.7	78.5	647	1,718	5,900	5,893	7.7	6.4	5.3
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	1.7	92.0	89.5	678	1,955	6,912	6,866	6.6	5.0	4.4
Under 5,500 HDD .....	1.9	70.8	68.9	620	1,510	5,010	5,038	9.1	8.2	5.9
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>										
Single-Family .....	1.6	111.4	108.3	867	2,580	6,251	6,230	6.7	5.4	5.0
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.9	55.4	53.9	466	995	5,568	5,574	9.7	8.4	8.2
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	1.2	49.8	48.5	416	665	5,521	5,533	13.2	11.3	5.4
1,000 to 1,999 .....	1.1	69.3	67.4	561	1,370	6,023	6,013	8.2	6.8	4.1
2,000 or More .....	1.2	122.1	118.8	955	3,087	6,161	6,138	6.2	5.0	5.3
<b>Ownership of Unit</b>										
Owned .....	2.0	104.5	101.6	824	2,365	6,137	6,111	7.0	5.7	5.0
Rented .....	1.6	51.5	50.1	429	922	5,608	5,624	9.7	8.3	8.0
<b>Year of Construction</b>										
1939 or Before .....	1.3	84.5	82.2	701	1,448	5,599	5,620	10.1	8.6	7.1
1940 to 1979 .....	1.7	88.6	86.2	692	1,907	5,955	5,938	7.6	6.1	10.7
1980 or After <sup>3</sup> .....	0.6	48.4	47.1	384	1,792	6,444	6,403	4.1	3.3	12.9
<b>1993 Family Income</b>										
Less than \$10,000 .....	0.4	66.4	64.6	531	1,146	5,789	5,808	9.7	8.0	8.6
\$10,000 to \$19,999 .....	0.7	82.3	80.1	632	1,315	6,240	6,230	9.8	7.7	12.6
\$20,000 to \$34,999 .....	0.7	71.0	69.0	569	1,469	5,848	5,835	8.0	6.6	10.7
\$35,000 to \$49,999 .....	0.7	76.5	74.4	638	1,799	5,641	5,633	7.3	6.3	13.0
\$50,000 or More .....	1.0	94.8	92.2	760	2,320	5,926	5,917	6.7	5.5	9.9
<b>Below Poverty Line</b>										
100 Percent .....	0.4	70.8	68.9	574	1,246	5,732	5,747	9.6	8.0	14.9
125 Percent .....	0.5	70.5	68.6	563	1,290	5,932	5,914	9.0	7.4	13.6
150 Percent .....	0.7	82.4	80.2	632	1,288	6,103	6,088	10.2	8.0	11.6
<b>Age of Householder</b>										
Under 35 Years .....	0.9	71.2	69.2	559	1,204	5,700	5,710	10.1	8.2	6.8
35 to 59 Years .....	1.5	80.3	78.1	655	1,999	5,860	5,846	6.7	5.6	9.0
60 Years and Over .....	1.2	88.9	86.4	705	1,763	6,108	6,097	8.0	6.5	8.1
<b>Household Size</b>										
1 Person .....	1.0	54.1	52.7	431	1,148	5,972	5,958	7.7	6.3	8.6
2 to 4 Persons .....	2.3	86.9	84.6	699	1,796	5,913	5,908	8.0	6.6	5.1
5 or More Persons .....	0.3	116.3	113.2	920	2,864	5,588	5,591	7.1	5.8	15.3

See footnotes at end of table.

**Table 14. Natural Gas Consumption and Expenditures for Main Space Heating, per New York State Households, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Natural Gas Space-Heating Intensity		RSE Row Factors
		(million Btu)	(1000 cubic feet)			1993	30-Year Average <sup>2</sup>	Consumption (cubic feet/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factor:										
<b>Main Heating Equipment</b>										
<b>Using Natural Gas</b>										
Central Warm-Air Furnace .....	1.6	83.2	80.9	646	2,046	6,456	6,406	6.1	4.9	8.4
Steam or Hot-Water System .....	1.8	81.1	78.9	669	1,522	5,331	5,363	9.7	8.3	6.1
Floor, Wall, or Pipeless Furnace .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Room Heater/Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Age of Main Heating Equipment</b>										
Less than 5 Years .....	0.7	79.2	77.0	623	1,888	6,340	6,315	6.4	5.2	10.3
5 to 9 Years .....	0.5	103.2	100.4	825	2,208	5,737	5,751	7.9	6.5	9.2
10 to 19 Years .....	0.5	103.0	100.2	820	2,468	6,261	6,200	6.5	5.3	9.5
20 Years or More .....	1.0	86.8	84.4	688	1,733	5,915	5,914	8.2	6.7	11.2
Don't Know .....	0.8	45.1	43.9	384	736	5,367	5,391	11.1	9.7	6.3
<b>Secondary Heating Fuel (more than one may apply)</b>										
No .....	1.0	102.2	99.4	773	2,344	6,470	6,446	6.6	5.1	6.3
Yes .....	2.6	73.0	71.0	601	1,491	5,693	5,693	8.4	7.1	7.7
Wood .....	0.5	120.2	116.9	903	2,909	6,423	6,395	6.3	4.8	8.0
Electricity .....	0.5	94.9	92.3	711	1,980	6,460	6,442	7.2	5.6	3.7
Kerosene .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Average Natural Gas Expenditures for Main Space Heat (dollars per 1000 cf)</b>										
Less than 4.50 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
4.50 to Less than 6 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
6 or More .....	3.6	80.7	78.5	647	1,718	5,900	5,893	7.7	6.4	5.3
<b>Adequacy of Insulation</b>										
Well Insulated .....	1.3	89.5	87.1	704	2,155	6,038	6,035	6.7	5.4	8.8
Adequately Insulated .....	1.6	71.5	69.5	586	1,541	5,700	5,690	7.9	6.7	10.5
Poorly Insulated .....	0.7	85.6	83.3	679	1,306	6,100	6,095	10.5	8.5	10.9

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> The 30-year average and climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, and F of the 1993 Residential Energy Consumption Survey.

**Table 15. Fuel Oil Consumption and Expenditures for Main Space Heating, per New York State Households, 1993**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Fuel Oil Space-Heating Intensity		RSE Row Factors
		(million Btu)	(gallons)			1993	30-Year Average <sup>2</sup>	Consumption (gallons/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
<b>Total State</b> .....	2.5	80.3	579	517	1,559	5,561	5,549	0.067	6.0	7.7
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	0.5	120.8	871	809	2,440	7,898	7,693	0.045	4.2	6.9
Under 5,500 HDD .....	2.0	70.0	505	443	1,335	4,968	5,005	0.076	6.7	10.1
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>										
Single-Family .....	0.9	138.1	996	972	2,410	6,386	6,323	0.065	6.3	10.1
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.5	45.7	329	244	1,049	5,017	5,039	0.063	4.6	5.1
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	0.9	33.6	242	166	684	4,917	4,962	0.072	4.9	4.2
1,000 to 1,999 .....	0.8	72.3	522	464	1,350	5,708	5,680	0.068	6.0	5.0
2,000 or More .....	0.8	145.6	1050	1,002	2,842	6,211	6,144	0.059	5.7	11.4
<b>Ownership of Unit</b>										
Owned .....	1.2	120.7	871	836	2,161	6,221	6,144	0.065	6.2	9.3
Rented .....	1.3	43.6	315	228	1,013	4,964	5,010	0.063	4.5	4.7
<b>Year of Construction</b>										
1939 or Before .....	1.1	83.0	598	521	1,454	5,725	5,681	0.072	6.3	8.3
1940 to 1979 .....	1.2	81.1	585	534	1,622	5,220	5,259	0.069	6.3	11.7
1980 or After <sup>3</sup> .....	0.2	54.4	392	359	1,817	7,067	6,874	0.031	2.8	13.4
<b>1993 Family Income</b>										
Less than \$10,000 .....	0.6	60.3	435	346	1,359	5,394	5,412	0.059	4.7	12.3
\$10,000 to \$19,999 .....	0.3	63.8	460	376	1,189	5,685	5,627	0.068	5.6	7.6
\$20,000 to \$34,999 .....	0.5	91.9	662	589	1,407	5,242	5,281	0.090	8.0	22.4
\$35,000 to \$49,999 .....	0.5	74.5	537	497	1,550	5,549	5,526	0.062	5.8	11.9
\$50,000 or More .....	0.5	106.5	768	738	2,141	5,979	5,922	0.060	5.8	7.8
<b>Below Poverty Line</b>										
100 Percent .....	0.6	57.8	417	330	1,297	5,336	5,354	0.060	4.8	9.9
125 Percent .....	0.8	57.7	416	328	1,283	5,347	5,363	0.061	4.8	8.6
150 Percent .....	0.9	56.3	406	320	1,245	5,310	5,322	0.061	4.8	8.5
<b>Age of Householder</b>										
Under 35 Years .....	0.7	59.8	431	352	1,299	5,568	5,542	0.060	4.9	9.2
35 to 59 Years .....	1.2	81.8	590	549	1,685	5,654	5,647	0.062	5.8	7.1
60 Years and Over .....	0.6	99.0	714	632	1,596	5,380	5,373	0.083	7.4	15.6
<b>Household Size</b>										
1 Person .....	0.6	73.4	529	464	1,181	5,328	5,334	0.084	7.4	15.0
2 to 4 Persons .....	1.5	79.6	574	518	1,635	5,694	5,674	0.062	5.6	4.9
5 or More Persons .....	0.4	93.2	672	595	1,829	5,400	5,385	0.068	6.0	11.4

See footnotes at end of table.

**Table 15. Fuel Oil Consumption and Expenditures for Main Space Heating, per New York State Households, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Fuel Oil Space-Heating Intensity		RSE Row Factors
		(million Btu)	(gallons)			1993	30-Year Average <sup>2</sup>	Consumption (gallons/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factor:	2.1	1.4 <sup>1</sup>	1.4 <sup>1</sup>	1.6 <sup>1</sup>	1.1	0.4	0.4	1.0 <sup>1</sup>	1.1 <sup>1</sup>	

**Main Heating Equipment Using Fuel Oil**

Central Warm-Air Furnace .....	0.4	102.6	740	687	2,285	7,136	6,982	0.045	4.2	9.4
Steam or Hot-Water System .....	2.0	75.4	544	480	1,404	5,185	5,207	0.075	6.6	8.0
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

**Age of Main Heating Equipment**

Less than 5 Years .....	0.4	124.6	899	860	2,389	6,343	6,263	0.059	5.7	17.0
5 to 9 Years .....	0.2	71.2	513	471	1,584	5,767	5,771	0.056	5.2	9.4
10 to 19 Years .....	0.3	118.0	850	816	1,861	6,470	6,381	0.071	6.8	9.7
20 Years or More .....	0.6	95.6	689	633	1,667	5,599	5,578	0.074	6.8	11.7
Don't Know .....	0.9	44.5	321	233	1,071	4,924	4,960	0.061	4.4	6.3

**Secondary Heating Fuel (more than one may apply)**

No .....	0.6	128.2	925	908	2,287	6,533	6,441	0.062	6.1	9.8
Yes .....	1.9	65.1	469	393	1,328	5,254	5,266	0.067	5.6	6.1
Wood .....	0.3	162.4	1171	1,196	2,688	6,304	6,235	0.069	7.1	14.8
Electricity .....	0.2	103.0	743	718	2,028	6,290	6,181	0.058	5.6	18.3
Kerosene .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

**Average Fuel Oil Expenditures for Main Space Heat (dollars per gallon)**

Less than .95 .....	2.0	66.7	481	390	1,344	5,416	5,418	0.066	5.4	7.4
.95 to Less than 1.10 .....	0.3	144.6	1043	1,054	2,488	6,599	6,478	0.064	6.4	18.9
1.10 or More .....	0.2	117.6	848	986	2,308	5,373	5,386	0.068	8.0	8.1

**Adequacy of Insulation**

Well Insulated .....	0.7	87.2	629	575	1,721	5,798	5,760	0.063	5.8	10.9
Adequately Insulated .....	1.2	78.5	566	514	1,582	5,416	5,417	0.066	6.0	8.4
Poorly Insulated .....	0.6	75.9	548	457	1,326	5,590	5,578	0.074	6.2	9.3

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> The 30-year average and climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, and G of the 1993 Residential Energy Consumption Survey.

**Table 16. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, New York State Households, 1993**

Characteristics	Electricity Used for All Air Conditioning			Electricity Used for Central Air Conditioning <sup>2</sup>									RSE Row Factors
	Households (million)	Total Consumption (trillion Btu)	Total Expenditures (billion dollars)	Households (million)	per Household								
					Consumption		Expenditures (dollars)	Cooled Floorspace (square feet)	Annual Cooling Degree-Days		Electric Air-Conditioning Intensity		
					(million Btu)	(kWh)			1993	30-Year Average <sup>3</sup>	Consumption (kWh/CDD*1000 square feet)	Expenditures (cents/CDD*1000 square feet)	
RSE Column Factor:	0.6	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.4	1.9 <sup>1</sup>	1.9 <sup>1</sup>	1.8 <sup>1</sup>	1.2	0.4	0.5	0.7 <sup>1</sup>	0.8 <sup>1</sup>	
<b>Total State</b> .....	3.9	11.4	0.50	1.1	5.9	1,732	248	2,610	806	633	0.82	11.8	15.1
<b>Climate Zone<sup>3</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	1.3	3.3	0.12	0.6	3.9	1,133	135	2,274	650	474	0.77	9.1	12.7
Under 5,500 HDD .....	2.6	8.1	0.38	0.5	8.4	2,454	384	3,016	993	825	0.82	12.8	20.4
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>													
Single-Family .....	1.6	6.4	0.27	0.5	8.5	2,479	353	3,904	853	681	0.74	10.6	22.4
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	2.2	4.5	0.21	Q	Q	Q	Q	1,278	778	603	0.92	14.0	22.9
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	1.3	2.1	0.10	Q	Q	Q	Q	Q	Q	Q	0.86	12.4	14.9
1,000 to 1,999 .....	1.3	2.8	0.12	Q	2.6	774	108	1,423	709	539	0.77	10.7	18.9
2,000 or More .....	1.3	6.5	0.28	0.5	9.3	2,740	394	3,928	897	722	0.78	11.2	20.8
<b>Ownership of Unit</b>													
Owned .....	2.1	7.8	0.33	0.7	7.4	2,171	310	3,270	837	672	0.79	11.3	20.5
Rented .....	1.8	3.6	0.17	Q	Q	Q	Q	1,289	743	554	0.89	12.9	26.1
<b>Year of Construction</b>													
1939 or Before .....	1.2	2.4	0.11	Q	Q	Q	Q	Q	Q	Q	Q	Q	38.3
1940 to 1979 .....	2.1	7.0	0.31	0.5	8.0	2,345	344	3,289	874	691	0.82	12.0	24.0
1980 or After <sup>4</sup> .....	0.7	2.1	0.08	0.5	3.4	991	127	1,884	702	537	0.75	9.6	15.4
<b>1993 Family Income</b>													
Less than \$10,000 .....	0.5	0.8	0.04	Q	Q	Q	Q	Q	Q	Q	0.68	8.7	18.1
\$10,000 to \$19,999 .....	0.7	1.3	0.06	0.2	2.6	771	113	1,454	766	596	0.69	10.2	12.2
\$20,000 to \$34,999 .....	0.8	2.6	0.12	Q	Q	Q	Q	Q	Q	Q	1.08	16.1	34.6
\$35,000 to \$49,999 .....	0.9	1.8	0.08	Q	Q	Q	Q	Q	Q	Q	0.52	7.0	27.1
\$50,000 or More .....	1.1	4.8	0.21	0.5	7.5	2,205	312	3,337	805	633	0.82	11.6	19.8
<b>Below Poverty Line</b>													
100 Percent .....	0.5	1.0	0.04	Q	Q	Q	Q	Q	Q	Q	0.71	9.5	10.6
125 Percent .....	0.7	1.4	0.06	Q	Q	Q	Q	Q	Q	Q	0.73	9.8	11.2
150 Percent .....	0.8	1.6	0.07	Q	Q	Q	Q	Q	Q	Q	0.84	11.2	15.4
<b>Age of Householder</b>													
Under 35 Years .....	0.9	1.8	0.08	Q	3.4	1,003	135	Q	722	544	0.79	10.6	23.0
35 to 59 Years .....	1.8	6.7	0.29	0.5	7.6	2,224	320	3,414	812	639	0.80	11.5	22.1
60 Years and Over .....	1.1	2.9	0.13	0.4	4.5	1,309	188	1,808	824	653	0.88	12.6	15.9

See footnotes at end of table.

**Table 16. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, New York State Households, 1993 (Continued)**

Characteristics	Electricity Used for All Air Conditioning			Electricity Used for Central Air Conditioning <sup>2</sup>										RSE Row Factors	
	Households (million)	Total Consumption (trillion Btu)	Total Expenditures (billion dollars)	Households (million)	per Household								Consumption (kWh/ CDD*1000 square feet)		Expenditures (cents/ CDD*1000 square feet)
					Consumption		Expenditures (dollars)	Cooled Floor-space (square feet)	Annual Cooling Degree-Days		Electric Air-Conditioning Intensity				
					(million Btu)	(kWh)			1993	30-Year Average <sup>3</sup>					
RSE Column Factor:	0.6	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.4	1.9 <sup>1</sup>	1.9 <sup>1</sup>	1.8 <sup>1</sup>	1.2	0.4	0.5	0.7 <sup>1</sup>	0.8 <sup>1</sup>			
<b>Household Size</b>															
1 Person .....	0.9	1.8	0.08	0.3	2.6	760	111	1,477	760	590	0.68	9.9	20.4		
2 to 4 Persons .....	2.5	6.3	0.27	0.6	5.0	1,474	198	2,393	791	617	0.78	10.4	10.2		
5 or More Persons .....	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	0.86	13.1	40.1		
<b>Cooling Degree-Days (CDD)-1993</b>															
2,000 or More .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF		
1,000 to 1,999 .....	1.9	6.5	0.31	Q	Q	Q	Q	Q	Q	Q	0.84	13.1	21.5		
500 to 999 .....	1.9	4.7	0.19	0.8	3.6	1,053	136	2,085	718	548	0.70	9.1	12.6		
Fewer than 500 .....	0.2	0.2	0.01	Q	Q	Q	Q	Q	Q	Q	Q	Q	32.3		
<b>Average Electricity Expenditures (cents per kWh)</b>															
Less than 6 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF		
6 to Less than 9 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF		
9 or More .....	3.9	11.4	0.50	1.1	5.9	1,732	248	2,610	806	633	0.82	11.8	15.1		
<b>Number of Rooms Usually Air Conditioned</b>															
1 to 3 .....	2.4	3.7	0.17	Q	Q	Q	Q	Q	Q	Q	0.81	12.7	12.4		
4 to 6 .....	1.1	3.4	0.14	0.6	3.5	1,035	147	1,645	768	594	0.82	11.6	14.9		
7 or More .....	0.5	4.3	Q	0.4	10.2	2,985	427	4,369	861	684	0.79	11.3	25.2		
<b>Frequency of Use of Air Conditioning<sup>5</sup></b>															
Only a Few Times .....	2.1	3.8	0.16	0.5	3.4	1,003	142	2,625	780	610	0.49	6.9	15.7		
Quite a Bit .....	1.4	5.4	0.24	0.3	8.0	2,337	334	2,511	765	592	1.22	17.4	19.9		
All Summer .....	0.4	2.2	0.09	0.2	8.7	2,548	369	2,729	931	753	1.00	14.5	19.3		
<b>Age of Air Conditioning Equipment<sup>5</sup></b>															
Less than 5 Years .....	1.6	4.6	0.20	0.5	4.9	1,422	195	2,363	759	580	0.79	10.9	16.6		
5 to 9 Years .....	1.2	3.0	0.13	0.2	5.9	1,741	241	3,357	822	664	0.63	8.7	16.6		
10 or More Years .....	0.8	3.3	0.15	0.3	Q	Q	Q	2,958	881	719	0.99	14.8	23.0		
Don't Know .....	0.3	0.5	0.02	Q	Q	Q	Q	Q	Q	Q	Q	Q	31.5		

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Some households have a central air conditioner and one or more room air conditioners. These households are included only under central air conditioners and not included under room air conditioners.

<sup>3</sup> The 30-year average and climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>4</sup> Does not include all new construction for 1993.

<sup>5</sup> If a household has both a central and room air conditioner then the usage and age of the equipment is presented only for the central unit.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • This table reflects only those households that used their air conditioning equipment. See Appendix B, "Quality of the Data," in *Household Energy Consumption and Expenditures 1993* for a discussion of households that had air-conditioning equipment but did not use it. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, and E of the 1993 Residential Energy Consumption Survey.

**Table 17. Electricity Consumption and Expenditures for Room Air Conditioning, per New York State Households, 1993**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Cooled Floorspace (square feet)	Annual Cooling Degree-Days		Electric Air-Conditioning Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average <sup>2</sup>	Consumption (kWh/CDD*1000 square feet)	Expenditures (cents/CDD*1000 square feet)	
<b>Total State</b> .....	2.8	1.8	518	81	736	1,042	861	0.67	10.6	5.4
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	0.7	1.4	412	49	845	608	444	0.80	9.6	4.1
Under 5,500 HDD .....	2.1	1.9	554	92	699	1,190	1,004	0.67	11.1	6.9
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>										
Single-Family .....	1.1	1.7	490	71	1,025	855	689	0.56	8.1	11.4
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.7	1.8	526	87	549	1,169	978	0.82	13.6	6.0
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	1.2	1.6	460	75	427	1,136	939	0.95	15.5	7.2
1,000 to 1,999 .....	0.9	1.9	555	86	802	1,005	834	0.69	10.7	5.3
2,000 or More .....	0.7	1.9	563	85	1,153	938	770	0.52	7.9	12.5
<b>Ownership of Unit</b>										
Owned .....	1.4	1.8	521	79	969	936	768	0.57	8.7	8.8
Rented .....	1.5	1.8	515	84	517	1,142	949	0.87	14.2	6.2
<b>Year of Construction</b>										
1939 or Before .....	1.1	1.7	512	82	672	1,101	912	0.69	11.0	11.2
1940 to 1979 .....	1.5	1.7	508	80	746	1,021	844	0.67	10.6	8.2
1980 or After <sup>3</sup> .....	Q	2.2	632	88	1,035	871	710	0.70	9.8	24.2
<b>1993 Family Income</b>										
Less than \$10,000 .....	0.4	1.5	451	73	510	1,147	952	0.77	12.5	5.8
\$10,000 to \$19,999 .....	0.5	1.7	490	73	733	981	802	0.68	10.2	7.3
\$20,000 to \$34,999 .....	0.6	1.7	506	79	595	1,004	819	0.85	13.2	13.2
\$35,000 to \$49,999 .....	0.8	1.9	548	88	802	1,096	916	0.62	10.0	9.6
\$50,000 or More .....	0.6	1.9	561	88	973	987	819	0.58	9.1	10.8
<b>Below Poverty Line</b>										
100 Percent .....	0.4	1.8	514	83	553	1,164	965	0.80	12.8	4.5
125 Percent .....	0.6	1.8	521	83	502	1,132	944	0.92	14.7	4.3
150 Percent .....	0.7	1.7	498	79	510	1,104	921	0.89	14.1	4.2
<b>Age of Householder</b>										
Under 35 Years .....	0.8	1.7	491	78	564	1,070	893	0.81	13.0	6.8
35 to 59 Years .....	1.3	2.0	580	91	835	1,067	883	0.65	10.2	9.8
60 Years and Over .....	0.7	1.5	439	68	757	966	788	0.60	9.3	6.4
<b>Household Size</b>										
1 Person .....	0.6	1.5	440	74	496	1,075	885	0.83	13.8	7.6
2 to 4 Persons .....	1.9	1.8	526	82	781	1,033	851	0.65	10.1	6.1
5 or More Persons .....	0.3	2.1	630	96	957	1,030	883	0.64	9.8	9.1

See footnotes at end of table.

**Table 17. Electricity Consumption and Expenditures for Room Air Conditioning, per New York State Households, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Cooled Floorspace (square feet)	Annual Cooling Degree-Days		Electric Air-Conditioning Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average <sup>2</sup>	Consumption (kWh/CDD*1000 square feet)	Expenditures (cents/CDD*1000 square feet)	
RSE Column Factor:	1.9	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	1.2	0.5	0.5	1.4 <sup>1</sup>	1.5 <sup>1</sup>	

**Cooling Degree-Days (CDD)-1993**

2,000 or More .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1,000 to 1,999 .....	1.6	1.9	558	93	625	1,276	1,062	0.70	11.7	10.6
500 to 999 .....	1.1	1.6	480	69	875	769	630	0.71	10.2	4.6
Fewer than 500 .....	0.1	1.1	309	36	1,019	312	206	0.97	11.2	21.9

**Average Electricity Expenditures (cents per kWh)**

Less than 6 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
6 to Less than 9 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
9 or More .....	2.8	1.8	518	81	736	1,042	861	0.67	10.6	5.4

**Number of Rooms Usually Air Conditioned**

1 Room .....	1.1	1.2	343	55	310	1,031	849	1.07	17.1	4.8
2 Rooms .....	0.8	1.8	529	84	660	1,059	880	0.76	12.1	4.8
3 or More .....	0.9	2.4	710	109	1,301	1,039	858	0.53	8.1	9.5

**Frequency of Use of Air Conditioning**

Only a Few Times .....	1.6	1.3	373	57	774	976	805	0.49	7.5	5.9
Quite a Bit .....	1.1	2.5	727	117	734	1,168	969	0.85	13.7	5.6
All Summer .....	0.2	1.8	527	79	419	866	714	1.45	21.9	12.7

**Age of Air Conditioning Equipment**

Less than 5 Years .....	1.1	1.8	539	87	651	1,094	908	0.76	12.2	6.4
5 to 9 Years .....	1.0	1.8	526	82	819	1,057	863	0.61	9.4	8.0
10 or More Years .....	0.6	1.6	456	70	820	911	748	0.61	9.4	10.8
Don't Know .....	0.2	1.8	533	80	528	1,061	928	0.95	14.3	9.7

**Number of Room Air Conditioners**

1 .....	1.6	1.5	432	68	535	1,003	822	0.80	12.7	5.9
2 .....	0.9	2.0	596	92	880	1,069	889	0.63	9.8	6.6
3 or More .....	0.3	2.6	751	122	1,397	1,170	991	Q	Q	12.2

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> The 30-year average and climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • This table reflects only those households that used their air conditioning equipment. See Appendix B, "Quality of the Data," in *Household Energy Consumption and Expenditures 1993* for a discussion of households that had air-conditioning equipment but did not use it. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, and E of the 1993 Residential Energy Consumption Survey.

**Table 18. Total Electricity and Natural Gas Consumption and Expenditures for Water Heating in New York State Households, 1993**

Characteristics	Electricity				Natural Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(trillion Btu)	(billion kWh)			(trillion Btu)	(billion cubic feet)		
RSE Column Factor:	1.3	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.3 <sup>1</sup>	0.7	0.8 <sup>1</sup>	0.8 <sup>1</sup>	0.8 <sup>1</sup>	
<b>Total State</b> .....	1.1	10.3	3.0	0.35	3.8	99.9	97	0.84	32.5
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and Over 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD .....	0.2	1.3	0.4	0.06	2.2	57.1	56	0.52	21.7
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>									
Single-Family .....	0.6	6.8	2.0	0.23	1.7	48.6	47	0.39	30.1
Mobile Home .....	Q	1.5	0.4	0.05	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	Q	Q	Q	Q	2.1	51.3	50	0.45	30.0
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	Q	Q	Q	Q	1.3	30.5	30	0.27	20.1
1,000 to 1,999 .....	Q	Q	Q	Q	1.2	28.3	28	0.24	44.0
2,000 or More .....	0.4	4.7	1.4	0.16	1.3	41.1	40	0.33	32.0
<b>Ownership of Unit</b>									
Owned .....	0.7	7.1	2.1	0.24	2.0	56.5	55	0.46	28.4
Rented .....	Q	Q	Q	Q	1.8	43.4	42	0.38	34.4
<b>Year of Construction</b>									
1939 or Before .....	0.3	3.1	0.9	0.10	1.5	38.5	37	0.33	28.0
1940 to 1979 .....	Q	Q	Q	Q	1.9	49.3	48	0.41	52.9
1980 or After <sup>3</sup> .....	Q	Q	Q	Q	0.5	12.1	12	0.10	42.9
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.3	2.0	0.6	0.07	0.5	9.8	10	0.09	28.0
\$10,000 to \$19,999 .....	Q	2.3	0.7	Q	0.7	Q	Q	0.13	45.6
\$20,000 to \$34,999 .....	Q	Q	Q	Q	0.8	17.7	17	0.15	24.2
\$35,000 to \$49,999 .....	0.2	2.2	0.6	0.08	0.8	22.9	22	0.20	37.2
\$50,000 or More .....	Q	Q	Q	Q	1.1	33.3	32	0.28	28.2
<b>Below Poverty Line</b>									
100 Percent .....	0.3	2.3	0.7	0.08	0.4	11.0	11	0.09	33.2
125 Percent .....	0.3	3.3	1.0	0.11	0.6	15.6	15	0.13	34.3
150 Percent .....	0.4	3.6	1.1	0.12	0.8	21.3	21	0.18	37.0
<b>Age of Householder</b>									
Under 35 Years .....	0.3	3.2	0.9	0.11	1.0	26.9	26	0.22	32.0
35 to 59 Years .....	Q	Q	Q	Q	1.6	48.8	48	0.42	32.0
60 Years and Over .....	Q	1.6	0.5	0.06	1.2	24.2	24	0.21	34.8
<b>Household Size</b>									
1 Person .....	Q	Q	Q	Q	1.0	15.7	15	0.14	38.2
2 to 4 Persons .....	0.7	7.5	2.2	0.26	2.4	68.5	67	0.57	31.2
5 or More Persons .....	Q	Q	Q	Q	0.4	15.8	15	0.13	39.9

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, E, and F of the 1993 Residential Energy Consumption Survey.

**Table 19. Total Fuel Oil and LPG Consumption and Expenditures for Water Heating in New York State Households, 1993**

Characteristics	Fuel Oil				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(trillion Btu)	(billion gallons)			(trillion Btu)	(billion gallons)		
	RSE Column Factor:	0.8	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	1.8	NF	NF	
<b>Total State</b> .....	1.8	49.4	0.36	0.28	Q	Q	Q	Q	18.9
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and Over 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD .....	1.6	44.1	0.32	0.24	Q	Q	Q	Q	17.4
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>									
Single-Family .....	0.4	15.3	0.11	0.11	Q	Q	Q	Q	28.6
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.3	34.2	0.25	0.17	Q	Q	Q	Q	23.5
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	0.8	20.3	0.15	0.10	Q	Q	Q	Q	11.3
1,000 to 1,999 .....	0.6	16.3	0.12	0.09	Q	Q	Q	Q	32.9
2,000 or More .....	0.4	12.8	0.09	0.09	Q	Q	Q	Q	33.2
<b>Ownership of Unit</b>									
Owned .....	0.7	20.8	0.15	0.14	0.1	Q	Q	Q	26.8
Rented .....	1.1	28.6	0.21	0.14	Q	Q	Q	Q	17.2
<b>Year of Construction</b>									
1939 or Before .....	0.8	23.3	0.17	0.12	Q	Q	Q	Q	23.3
1940 to 1979 .....	0.9	24.1	0.17	0.14	Q	Q	Q	Q	22.5
1980 or After <sup>3</sup> .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.4	8.5	0.06	0.04	Q	Q	Q	Q	36.8
\$10,000 to \$19,999 .....	0.3	6.7	0.05	0.03	Q	Q	Q	Q	13.6
\$20,000 to \$34,999 .....	0.4	12.7	0.09	0.07	Q	Q	Q	Q	31.0
\$35,000 to \$49,999 .....	0.3	8.8	0.06	0.05	Q	Q	Q	Q	12.0
\$50,000 or More .....	0.4	12.8	0.09	0.08	Q	Q	Q	Q	28.0
<b>Below Poverty Line</b>									
100 Percent .....	0.5	11.2	0.08	0.06	Q	Q	Q	Q	14.4
125 Percent .....	0.6	14.9	0.11	0.07	Q	Q	Q	Q	27.3
150 Percent .....	0.6	16.3	0.12	0.08	Q	Q	Q	Q	31.7
<b>Age of Householder</b>									
Under 35 Years .....	0.5	16.0	0.12	0.08	Q	Q	Q	Q	45.6
35 to 59 Years .....	0.8	23.3	0.17	0.14	Q	Q	Q	Q	19.2
60 Years and Over .....	0.4	10.1	0.07	0.06	Q	Q	Q	Q	31.7
<b>Household Size</b>									
1 Person .....	0.4	6.2	0.04	0.03	Q	Q	Q	Q	17.3
2 to 4 Persons .....	1.0	30.0	0.22	0.17	0.1	Q	Q	Q	26.6
5 or More Persons .....	0.3	13.2	0.10	0.08	Q	Q	Q	Q	30.4

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row/column factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, D, and G of the 1993 Residential Energy Consumption Survey.

**Table 20. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per New York State Households, 1993**

Characteristics	Electricity					Natural Gas					RSE Row Factors
	Households (million)	Consumption		Expenditures (dollars)	Electricity Water-Heating Intensity (kWh per household member)	Households (million)	Consumption		Expenditures (dollars)	Natural Gas Water-Heating Intensity (1000 cubic feet per household member)	
		(million Btu)	(kWh)				(million Btu)	(1000 cubic feet)			
RSE Column Factor:	4.5	1.0 <sup>1</sup>	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.8 <sup>1</sup>	2.0	0.6 <sup>1</sup>	0.6 <sup>1</sup>	0.6 <sup>1</sup>	0.7 <sup>1</sup>	
<b>Total State</b> .....	1.1	9.6	2,822	328	1,046	3.8	26.2	25.4	220	9.8	7.6
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	Q	10.2	2,996	331	1,136	Q	26.3	25.6	197	10.5	8.3
Under 5,500 HDD .....	0.2	6.9	2,026	318	680	2.2	26.0	25.3	237	9.4	11.3
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>											
Single-Family .....	0.6	11.0	3,218	372	1,036	1.7	28.6	27.9	230	8.9	8.1
Mobile Home .....	Q	8.3	2,440	276	1,028	Q	Q	Q	Q	Q	13.5
Multifamily (2 or more units) .....	Q	7.4	2,177	263	1,095	2.1	24.2	23.5	213	10.9	11.7
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	Q	6.9	2,031	243	1,040	1.3	23.0	22.3	203	10.8	8.2
1,000 to 1,999 .....	Q	10.3	3,017	343	1,040	1.2	24.3	23.6	204	10.4	9.3
2,000 or More .....	0.4	11.6	3,390	394	1,053	1.3	30.9	30.1	252	8.9	9.7
<b>Ownership of Unit</b>											
Owned .....	0.7	10.4	3,035	351	1,014	2.0	27.8	27.0	226	9.3	8.3
Rented .....	Q	8.3	2,442	288	1,124	1.8	24.3	23.6	214	10.6	16.5
<b>Year of Construction</b>											
1939 or Before .....	0.3	11.6	3,396	381	1,105	1.5	26.5	25.8	229	10.5	9.2
1940 to 1979 .....	Q	8.2	2,399	298	952	1.9	26.4	25.7	219	9.3	13.6
1980 or After <sup>3</sup> .....	Q	9.9	2,903	326	1,102	0.5	24.3	23.6	201	10.2	13.4
<b>1993 Family Income</b>											
Less than \$10,000 .....	0.3	7.5	2,212	269	1,081	0.5	21.6	21.1	191	9.3	13.3
\$10,000 to \$19,999 .....	Q	8.6	2,521	279	1,124	0.7	24.3	23.6	188	11.2	25.3
\$20,000 to \$34,999 .....	Q	9.4	2,767	320	964	0.8	21.6	21.0	187	9.1	10.1
\$35,000 to \$49,999 .....	0.2	12.3	3,591	443	973	0.8	28.6	27.8	246	11.4	11.9
\$50,000 or More .....	Q	11.8	3,446	381	1,090	1.1	30.8	30.0	258	9.0	11.7
<b>Below Poverty Line</b>											
100 Percent .....	0.3	8.7	2,537	304	1,080	0.4	25.2	24.5	216	8.6	14.2
125 Percent .....	0.3	9.3	2,736	316	1,100	0.6	25.2	24.5	213	8.3	12.0
150 Percent .....	0.4	9.2	2,697	315	1,049	0.8	26.4	25.7	217	9.6	15.4
<b>Age of Householder</b>											
Under 35 Years .....	0.3	10.6	3,115	364	1,109	1.0	27.1	26.3	221	11.3	12.0
35 to 59 Years .....	Q	11.7	3,436	388	1,126	1.6	30.2	29.4	258	9.0	7.1
60 Years and Over .....	Q	5.3	1,545	197	765	1.2	20.0	19.4	169	10.4	14.5
<b>Household Size</b>											
1 Person .....	Q	4.9	1,436	174	1,436	1.0	15.2	14.7	131	14.7	12.0
2 to 4 Persons .....	0.7	10.1	2,954	345	1,033	2.4	28.7	27.9	240	10.3	6.3
5 or More Persons .....	Q	17.3	5,056	563	930	0.4	40.0	38.9	334	6.4	9.6

See footnotes at end of table.

**Table 20. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per New York State Households, 1993 (Continued)**

Characteristics	Electricity					Natural Gas					RSE Row Factors
	Households (million)	Consumption		Expenditures (dollars)	Electricity Water-Heating Intensity (kWh per household member)	Households (million)	Consumption		Expenditures (dollars)	Natural Gas Water-Heating Intensity (1000 cubic feet per household member)	
		(million Btu)	(kWh)				(million Btu)	(1000 cubic feet)			
RSE Column Factor:	4.5	1.0 <sup>1</sup>	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.8 <sup>1</sup>	2.0	0.6 <sup>1</sup>	0.6 <sup>1</sup>	0.6 <sup>1</sup>	0.7 <sup>1</sup>	
<b>Average Electricity Expenditures (cents per kWh)</b>											
Less than 6	Q	Q	Q	Q	Q	--	--	--	--	--	7.6
6 to Less than 9	Q	Q	Q	Q	Q	--	--	--	--	--	NF
9 or More	Q	9.5	2,775	325	1,026	--	--	--	--	--	8.7
<b>Average Natural Gas Expenditures (dollars per 1000 cf)</b>											
Less than 4.50	--	--	--	--	--	Q	Q	Q	Q	Q	NF
4.50 to Less than 6	--	--	--	--	--	Q	Q	Q	Q	Q	NF
6 or More	--	--	--	--	--	3.8	26.2	25.4	220	9.8	7.6
<b>Water Heater Used</b>											
For One Housing Unit	1.1	9.6	2,823	328	1,041	2.5	28.1	27.3	226	9.8	6.4
For Two or More Units	Q	Q	Q	Q	Q	1.3	22.3	21.7	208	9.9	11.7
<b>Age of Water Heater (for one housing unit)</b>											
Less than 5 Years	Q	10.4	3,034	351	1,003	0.9	26.0	25.3	215	10.6	11.3
5 to 9 Years	0.3	10.0	2,944	343	1,043	0.8	31.2	30.3	246	9.0	13.5
10 to 19 Years	Q	5.5	1,614	187	856	0.6	26.3	25.5	217	9.2	21.7
20 Years or More	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Don't Know/No Separate Unit	Q	10.5	3,091	363	1,228	Q	Q	Q	Q	Q	38.9
<b>Size of Water Heater (for one housing unit)</b>											
30 gallons or less	Q	7.4	2,157	259	993	0.4	22.4	21.8	177	8.4	17.8
31 to 49 gallons	0.4	10.2	2,978	335	1,027	Q	26.9	26.2	215	11.1	8.0
50 gallons or more	0.3	12.7	3,727	430	1,162	0.7	36.2	35.2	298	8.9	9.6
Don't Know/No Separate Unit	Q	Q	Q	Q	Q	0.2	17.6	17.1	140	9.2	18.8
<b>Clothes Washer</b>											
Yes	0.8	10.3	3,030	349	1,047	2.5	27.5	26.7	224	9.4	6.5
No	Q	7.4	2,154	263	1,044	1.3	23.6	23.0	214	11.0	17.3
<b>Dishwasher</b>											
Yes	Q	10.5	3,072	347	1,097	1.6	28.0	27.2	233	9.3	12.9
No	0.6	9.1	2,658	316	1,010	2.2	24.8	24.1	211	10.4	9.8
<b>Children Present in Household (more than one may apply)</b>											
No	Q	7.4	2,180	261	1,138	2.4	21.2	20.6	181	11.8	6.9
Yes	0.4	13.0	3,809	431	976	1.4	35.1	34.1	291	8.3	7.2
Under 13 Years	0.4	13.4	3,921	444	995	1.1	34.4	33.4	282	7.9	6.8
13 to 18 Years	Q	14.3	4,182	469	912	0.5	41.8	40.6	352	8.3	13.0

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

-- = Data not applicable.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, E, and F of the 1993 Residential Energy Consumption Survey.

**Table 21. Fuel Oil and LPG Consumption and Expenditures for Main Water Heating, per New York State Households, 1993**

Characteristics	Fuel Oil					Liquefied Petroleum Gas					RSE Row Factors
	Households (million)	Consumption		Expenditures (dollars)	Fuel Oil Water-Heating Intensity (gallons per household member)	Households (million)	Consumption		Expenditures (dollars)	LPG Water-Heating Intensity (gallons per household member)	
		(million Btu)	(gallons)				(million Btu)	(gallons)			
RSE Column Factor:	1.2	0.3 <sup>1</sup>	0.3 <sup>1</sup>	0.4 <sup>1</sup>	0.3 <sup>1</sup>	3.0	2.2 <sup>1</sup>	2.2 <sup>1</sup>	2.0 <sup>1</sup>	2.7 <sup>1</sup>	
<b>Total State</b> .....	1.8	27.7	200	155	71	Q	20.3	222	282	76	11.4
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	Q	29.0	209	194	76	Q	20.2	221	275	78	30.4
Under 5,500 HDD .....	1.6	27.6	199	151	70	Q	Q	Q	Q	Q	11.1
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>											
Single-Family .....	0.4	33.9	244	239	71	Q	20.0	219	290	70	18.2
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.3	25.7	185	128	70	Q	Q	Q	Q	Q	7.1
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	0.8	24.0	173	113	67	Q	Q	Q	Q	Q	7.5
1,000 to 1,999 .....	0.5	29.0	209	167	70	Q	Q	Q	Q	Q	17.7
2,000 or More .....	0.4	34.1	246	233	77	Q	Q	Q	Q	Q	24.7
<b>Ownership of Unit</b>											
Owned .....	0.7	30.3	219	199	73	0.1	21.1	232	297	76	16.1
Rented .....	1.1	26.1	188	128	69	Q	Q	Q	Q	Q	13.0
<b>Year of Construction</b>											
1939 or Before .....	0.8	28.1	203	149	74	Q	Q	Q	Q	Q	10.9
1940 to 1979 .....	0.9	27.2	196	158	70	Q	Q	Q	Q	Q	20.2
1980 or After <sup>3</sup> .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>1993 Family Income</b>											
Less than \$10,000 .....	0.4	21.7	156	110	74	Q	Q	Q	Q	Q	36.5
\$10,000 to \$19,999 .....	0.3	26.4	190	129	59	Q	Q	Q	Q	Q	40.9
\$20,000 to \$34,999 .....	0.4	29.1	210	152	73	Q	Q	Q	Q	Q	43.1
\$35,000 to \$49,999 .....	0.3	27.5	198	166	69	Q	Q	Q	Q	Q	23.8
\$50,000 or More .....	0.4	33.4	241	212	74	Q	Q	Q	Q	Q	13.0
<b>Below Poverty Line</b>											
100 Percent .....	0.5	24.4	176	124	62	Q	Q	Q	Q	Q	24.0
125 Percent .....	0.6	25.9	187	127	64	Q	Q	Q	Q	Q	24.5
150 Percent .....	0.6	25.8	186	126	63	Q	Q	Q	Q	Q	22.3
<b>Age of Householder</b>											
Under 35 Years .....	0.5	30.2	218	158	64	Q	Q	Q	Q	Q	34.2
35 to 59 Years .....	0.8	28.1	203	165	69	Q	Q	Q	Q	Q	21.7
60 Years and Over .....	0.4	23.7	171	133	89	Q	Q	Q	Q	Q	16.9
<b>Household Size</b>											
1 Person .....	0.4	14.1	102	73	102	Q	Q	Q	Q	Q	9.1
2 to 4 Persons .....	1.0	28.6	206	162	72	0.1	19.3	211	266	77	15.4
5 or More Persons .....	0.3	44.4	320	254	59	Q	Q	Q	Q	Q	25.6

See footnotes at end of table.

**Table 21. Fuel Oil and LPG Consumption and Expenditures for Main Water Heating, per New York State Households, 1993 (Continued)**

Characteristics	Fuel Oil					Liquefied Petroleum Gas					RSE Row Factors
	Households (million)	Consumption		Expenditures (dollars)	Fuel Oil Water-Heating Intensity (gallons per household member)	Households (million)	Consumption		Expenditures (dollars)	LPG Water-Heating Intensity (gallons per household member)	
		(million Btu)	(gallons)				(million Btu)	(gallons)			
RSE Column Factor:	1.2	0.3 <sup>1</sup>	0.3 <sup>1</sup>	0.4 <sup>1</sup>	0.3 <sup>1</sup>	3.0	2.2 <sup>1</sup>	2.2 <sup>1</sup>	2.0 <sup>1</sup>	2.7 <sup>1</sup>	
<b>Average Fuel Oil Expenditures (dollars per gallon)</b>											
Less than 0.95 .....	1.5	26.9	194	139	70	--	--	--	--	--	13.1
0.95 to Less than 1.10 .....	Q	Q	Q	Q	Q	--	--	--	--	--	NF
1.10 or More .....	Q	Q	Q	Q	Q	--	--	--	--	--	NF
<b>Average LPG Expenditures (dollars per gallon)</b>											
Less than 0.75 .....	--	--	--	--	--	Q	Q	Q	Q	Q	NF
0.75 to Less than 1.00 .....	--	--	--	--	--	Q	Q	Q	Q	Q	NF
1.00 or More .....	--	--	--	--	--	0.1	20.8	227	309	75	15.8
<b>Water Heater Used</b>											
For One Housing Unit .....	0.5	33.3	240	235	72	Q	20.0	219	286	70	18.1
For Two or More Units .....	1.3	25.7	186	127	70	Q	Q	Q	Q	Q	7.2
<b>Age of Water Heater (for one housing unit)</b>											
Less than 5 Years .....	Q	Q	Q	Q	Q	Q	21.3	233	312	71	18.5
5 to 9 Years .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
10 to 19 Years .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
20 Years or More .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Don't Know/No Separate Unit .....	0.1	27.3	197	195	72	Q	Q	Q	Q	Q	30.1
<b>Size of Water Heater (for one housing unit)</b>											
30 gallons or less .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
31 to 49 gallons .....	Q	Q	Q	Q	Q	0.1	17.7	194	245	62	17.6
50 gallons or more .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Don't Know/No Separate Unit .....	0.2	30.8	222	225	75	Q	Q	Q	Q	Q	29.1
<b>Clothes Washer Present in Household</b>											
Yes .....	0.9	31.2	225	188	71	Q	22.1	242	310	78	12.6
No .....	0.8	23.8	171	119	69	Q	Q	Q	Q	Q	17.5
<b>Dishwasher Present in Household</b>											
Yes .....	0.5	32.9	237	206	78	Q	23.9	262	334	81	19.9
No .....	1.3	25.8	186	136	67	Q	Q	Q	Q	Q	9.2
<b>Children Present in Household</b>											
No .....	1.0	21.7	157	122	87	Q	Q	Q	Q	Q	12.7
Yes .....	0.8	35.4	255	198	61	Q	Q	Q	Q	Q	12.5
<b>(more than one may apply)</b>											
Under 13 Years .....	0.6	34.5	248	183	59	Q	Q	Q	Q	Q	15.3
13 to 18 Years .....	0.3	38.6	279	225	65	Q	Q	Q	Q	Q	22.3

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

-- = Data not applicable.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, E, and F of the 1993 Residential Energy Consumption Survey.

**Table 22. Total Consumption and Expenditures for Appliances in New York State Households, 1993**

Characteristics	Electricity				Natural Gas				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Consumed		Expenditures (billion dollars)	Households (million)	Consumed		Expenditures (billion dollars)	Households (million)	Consumed		Expenditures (billion dollars)	
		(trillion Btu)	(billion kWh)			(trillion Btu)	(billion cubic feet)			(trillion Btu)	(billion gallons)		
RSE Column Factor:	0.4	0.5 <sup>1</sup>	0.5 <sup>1</sup>	0.5 <sup>1</sup>	0.7	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.8 <sup>1</sup>	2.0	2.6 <sup>1</sup>	2.6 <sup>1</sup>	2.4 <sup>1</sup>	
<b>Total State</b> .....	6.8	82.2	24.1	3.36	4.5	32.3	31	0.37	0.3	1.5	0.02	0.03	14.8
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	2.8	42.7	12.5	1.47	1.1	Q	Q	Q	0.3	Q	Q	Q	22.1
Under 5,500 HDD .....	4.0	39.5	11.6	1.89	3.3	24.2	24	0.31	Q	Q	Q	Q	15.1
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>													
Single-Family .....	2.9	53.2	15.6	2.06	1.6	14.9	14	0.14	0.2	Q	Q	Q	23.7
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) ..	3.8	26.6	7.8	1.22	2.8	17.2	17	0.23	Q	Q	Q	Q	9.5
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	2.6	16.8	4.9	0.75	2.0	12.0	12	0.16	Q	Q	Q	Q	13.7
1,000 to 1,999 .....	2.1	23.2	6.8	0.95	1.2	8.1	8	0.10	0.1	0.6	0.01	0.01	21.0
2,000 or More .....	2.2	42.3	12.4	1.65	1.3	12.2	12	0.11	Q	Q	Q	Q	27.7
<b>Ownership of Unit</b>													
Owned .....	3.5	58.9	17.3	2.31	2.1	17.7	17	0.17	0.3	Q	Q	Q	18.6
Rented .....	3.3	23.3	6.8	1.05	2.4	14.6	14	0.20	Q	Q	Q	Q	10.0
<b>Year of Construction</b>													
1939 or Before .....	2.6	28.1	8.2	1.16	2.0	14.0	14	0.18	Q	Q	Q	Q	25.8
1940 to 1979 .....	3.2	41.1	12.0	1.72	2.2	16.6	16	0.17	Q	Q	Q	Q	31.3
1980 or After <sup>3</sup> .....	1.0	13.0	3.8	0.48	0.3	1.7	2	0.02	Q	Q	Q	Q	37.0
<b>1993 Family Income</b>													
Less than \$10,000 .....	1.1	9.0	2.6	0.38	0.7	5.1	5	0.08	Q	Q	Q	Q	26.6
\$10,000 to \$19,999 .....	1.2	12.6	3.7	0.50	0.7	4.6	4	0.05	Q	Q	Q	Q	22.4
\$20,000 to \$34,999 .....	1.4	15.2	4.5	0.64	1.1	6.6	6	0.07	Q	Q	Q	Q	28.8
\$35,000 to \$49,999 .....	1.3	15.7	4.6	0.66	0.9	5.8	6	0.07	Q	Q	Q	Q	28.1
\$50,000 or More .....	1.7	29.6	8.7	1.18	1.0	10.2	10	0.10	Q	Q	Q	Q	25.4
<b>Below Poverty Line</b>													
100 Percent .....	1.2	11.3	3.3	0.47	0.8	5.9	6	0.09	Q	Q	Q	Q	15.5
125 Percent .....	1.6	15.7	4.6	0.64	1.0	7.6	7	0.11	Q	Q	Q	Q	16.7
150 Percent .....	1.8	18.3	5.4	0.75	1.2	8.9	9	0.12	Q	Q	Q	Q	17.2
<b>Age of Householder</b>													
Under 35 Years .....	1.9	18.0	5.3	0.75	1.3	8.6	8	0.10	0.1	0.5	0.01	0.01	12.7
35 to 59 Years .....	3.0	44.4	13.0	1.77	1.9	16.3	16	0.18	0.2	Q	Q	0.02	23.9
60 Years and Over .....	1.9	19.8	5.8	0.83	1.3	7.5	7	0.09	Q	Q	Q	Q	19.6
<b>Household Size</b>													
1 Person .....	1.7	11.3	3.3	0.49	1.0	4.0	4	0.06	Q	Q	Q	Q	14.9
2 to 4 Persons .....	4.3	54.1	15.9	2.17	2.9	21.5	21	0.24	0.3	1.1	0.01	0.02	12.2
5 or More Persons .....	0.8	16.8	4.9	0.69	0.5	6.9	7	0.07	Q	Q	Q	Q	42.0

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• Appliances do not include refrigerators. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-F of the 1993 Residential Energy Consumption Survey.

**Table 23. Electricity Consumption and Expenditures for Appliances and Refrigerators, per New York State Households, 1993**

Characteristics	Electricity Used for Appliances				Electricity Used for Refrigerators					RSE Row Factors
	Households (million)	Consumed		Expenditures (dollars)	Households (million)	Average Number of Refrigerators	Consumed		Expenditures (dollars)	
		(million Btu)	(kWh)				(million Btu)	(kWh)		
RSE Column Factor:	1.3	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	1.3	0.4	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	
<b>Total State</b> .....	6.8	12.1	3,542	493	6.8	1.1	3.5	1,022	149	5.9
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and										
Over 5,500 HDD .....	2.8	15.2	4,463	524	2.8	1.2	3.7	1,080	129	7.6
Under 5,500 HDD .....	4.0	9.9	2,895	472	4.0	1.1	3.3	980	162	6.9
2,000 CDD or More and										
Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>										
Single-Family .....	2.9	18.5	5,434	718	2.9	1.3	4.5	1,305	176	7.5
Mobile Home .....	Q	13.8	4,032	456	Q	1.1	3.5	1,022	116	11.9
Multifamily (2 or more units) .....	3.8	7.1	2,075	324	3.8	1.0	2.7	805	129	3.2
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	2.6	6.5	1,910	294	2.6	1.0	2.8	814	129	3.8
1,000 to 1,999 .....	2.1	11.2	3,288	461	2.1	1.1	3.0	894	130	6.6
2,000 or More .....	2.2	19.5	5,723	762	2.2	1.3	4.7	1,390	189	8.9
<b>Ownership of Unit</b>										
Owned .....	3.5	16.7	4,901	656	3.5	1.2	4.3	1,246	172	6.0
Rented .....	3.3	7.1	2,084	319	3.3	1.0	2.7	781	123	3.9
<b>Year of Construction</b>										
1939 or Before .....	2.6	10.7	3,133	441	2.6	1.1	3.1	905	134	4.6
1940 to 1979 .....	3.2	12.8	3,755	536	3.2	1.2	3.9	1,152	170	8.8
1980 or After <sup>3</sup> .....	1.0	13.5	3,947	496	1.0	1.1	3.1	903	117	13.2
<b>1993 Family Income</b>										
Less than \$10,000 .....	1.1	8.0	2,336	338	1.1	1.1	3.3	979	144	6.5
\$10,000 to \$19,999 .....	1.2	10.4	3,054	411	1.2	1.1	3.3	981	138	7.1
\$20,000 to \$34,999 .....	1.4	10.5	3,084	442	1.4	1.2	3.2	935	142	9.9
\$35,000 to \$49,999 .....	1.3	11.9	3,496	499	1.3	1.1	3.1	920	139	8.0
\$50,000 or More .....	1.7	17.5	5,122	695	1.7	1.2	4.2	1,231	172	9.1
<b>Below Poverty Line</b>										
100 Percent .....	1.2	9.5	2,770	397	1.2	1.1	3.3	956	142	5.3
125 Percent .....	1.6	10.0	2,925	409	1.6	1.1	3.3	975	142	6.1
150 Percent .....	1.8	9.9	2,903	405	1.8	1.1	3.3	981	142	6.9
<b>Age of Householder</b>										
Under 35 Years .....	1.9	9.7	2,828	404	1.9	1.1	2.9	844	126	3.9
35 to 59 Years .....	3.0	14.8	4,351	594	3.0	1.2	3.7	1,079	154	8.4
60 Years and Over .....	1.9	10.2	2,985	426	1.9	1.2	3.8	1,104	162	8.5
<b>Household Size</b>										
1 Person .....	1.7	6.6	1,947	289	1.7	1.1	3.3	976	148	7.4
2 to 4 Persons .....	4.3	12.6	3,680	504	4.3	1.1	3.4	1,002	143	3.3
5 or More Persons .....	0.8	21.2	6,207	875	0.8	1.2	4.2	1,226	179	15.5

See footnotes at end of table.

**Table 23. Electricity Consumption and Expenditures for Appliances and Refrigerators, per New York State Households, 1993 (Continued)**

Characteristics	Electricity Used for Appliances				Electricity Used for Refrigerators					RSE Row Factors
	Households (million)	Consumed		Expenditures (dollars)	Households (million)	Average Number of Refrigerators	Consumed		Expenditures (dollars)	
		(million Btu)	(kWh)				(million Btu)	(kWh)		
RSE Column Factor:	1.3	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	1.3	0.4	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	

**Average Electricity Expenditures (cents per kWh)**

Less than 6 .....	Q	Q	Q	Q	--	--	--	--	--	NF
6 to Less than 9 .....	Q	Q	Q	Q	--	--	--	--	--	NF
9 or More .....	6.8	12.0	3,523	492	--	--	--	--	--	5.9

**Average Electric Refrigerator Expenditures (cents per kWh)**

Less than 6 .....	--	--	--	--	Q	Q	Q	Q	Q	NF
6 to Less than 9 .....	--	--	--	--	Q	Q	Q	Q	Q	NF
9 or More .....	--	--	--	--	6.8	1.1	3.5	1,020	149	5.9

**Electric Appliances Used by Household (more than one may apply)**

Separate Freezer .....	1.6	19.8	5,794	737	1.6	1.3	4.2	1,219	159	6.2
Dishwasher .....	2.6	16.6	4,860	655	2.6	1.2	4.1	1,208	168	8.2
Clothes Washer .....	4.4	15.3	4,485	605	4.4	1.2	3.8	1,121	156	6.1
Clothes Dryer .....	2.3	18.2	5,323	699	2.3	1.2	4.1	1,202	162	8.2
Waterbed Heater .....	0.3	20.3	5,939	722	0.3	1.2	4.0	1,180	144	10.2
Swimming-Pool Pump .....	0.4	28.2	8,276	1,068	0.4	1.4	4.7	1,379	178	13.1
Hot-Tub or Spa Pump .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Hot-Tub or Spa Heater .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Well Pump .....	0.6	21.2	6,222	702	0.6	1.2	5.0	1,452	175	11.7

**Appliance Combination Usage**

Dishwasher, Clothes Washer, and Clothes Dryer										
All .....	1.3	20.9	6,133	802	1.3	1.2	4.6	1,344	181	12.9
Some .....	3.6	12.1	3,559	494	3.6	1.2	3.4	1,002	143	5.1
None .....	1.9	6.0	1,748	283	1.9	1.0	2.9	839	138	4.1

**Well Pump and Separate Freezer**

All .....	0.4	24.5	7,179	769	0.4	1.2	3.8	1,128	122	8.5
Some .....	1.5	18.0	5,286	707	1.5	1.3	4.6	1,359	184	8.0
None .....	5.0	9.4	2,757	410	5.0	1.1	3.1	913	140	5.5

**Main Heating Fuel**

Natural Gas .....	3.6	11.5	3,369	478	3.6	1.2	3.5	1,026	150	8.9
Electricity .....	Q	10.5	3,084	362	Q	1.0	2.8	828	102	25.2
Fuel Oil or Kerosene .....	2.6	12.3	3,614	518	2.6	1.1	3.6	1,048	157	7.8
Wood .....	0.2	20.0	5,856	646	0.2	1.2	3.4	987	108	11.0
LPG .....	Q	14.4	4,221	495	Q	1.1	2.5	722	85	11.9
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

**Number of Refrigerators**

1 .....	5.9	11.1	3,240	458	5.9	1.0	3.0	877	130	3.6
2 or More .....	0.9	19.0	5,582	735	0.9	2.0	6.8	1,989	270	10.4

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.  
<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.  
<sup>3</sup> Does not include all new construction for 1993.  
 -- = Data not applicable.  
 NF = No applicable RSE row factor.  
 Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.  
 Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.  
 Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, and E of the 1993 Residential Energy Consumption Survey.

**Table 24. Natural Gas and LPG Consumption and Expenditures for Appliances, per New York State Households, 1993**

Characteristics	Natural Gas				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Consumed		Expenditures (dollars)	Households (million)	Consumed		Expenditures (dollars)	
		(million Btu)	(1000 cubic feet)			(million Btu)	(gallons)		
RSE Column Factor:	1.2	0.7 <sup>1</sup>	0.7 <sup>1</sup>	0.6 <sup>1</sup>	2.7	1.1 <sup>1</sup>	1.1 <sup>1</sup>	0.8 <sup>1</sup>	
<b>Total State</b> .....	4.5	7.3	7.1	83	0.3	4.8	52	91	10.6
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and Over 5,500 HDD .....	1.1	7.1	6.9	55	0.3	4.8	53	87	20.4
Under 5,500 HDD .....	3.3	7.3	7.1	92	Q	Q	Q	Q	8.6
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>									
Single-Family .....	1.6	9.1	8.9	83	0.2	4.7	52	87	20.6
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	2.8	6.2	6.0	83	Q	Q	Q	Q	7.0
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	2.0	6.1	6.0	82	Q	Q	Q	Q	10.0
1,000 to 1,999 .....	1.2	6.6	6.4	79	0.1	4.0	44	85	15.0
2,000 or More .....	1.3	9.6	9.3	89	Q	6.8	74	129	26.1
<b>Ownership of Unit</b>									
Owned .....	2.1	8.6	8.4	84	0.3	5.1	56	90	16.7
Rented .....	2.4	6.1	5.9	82	Q	Q	Q	Q	9.7
<b>Year of Construction</b>									
1939 or Before .....	2.0	7.0	6.8	89	Q	Q	Q	Q	8.5
1940 to 1979 .....	2.2	7.7	7.5	80	Q	Q	Q	Q	16.2
1980 or After <sup>3</sup> .....	0.3	6.0	5.8	59	Q	5.2	57	92	18.1
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.7	7.0	6.8	107	Q	Q	Q	Q	5.4
\$10,000 to \$19,999 .....	0.7	6.6	6.4	69	Q	Q	Q	Q	16.5
\$20,000 to \$34,999 .....	1.1	6.2	6.0	70	Q	4.6	50	102	17.2
\$35,000 to \$49,999 .....	0.9	6.2	6.1	74	Q	Q	Q	Q	13.9
\$50,000 or More .....	1.0	9.8	9.5	96	Q	Q	Q	Q	23.8
<b>Below Poverty Line</b>									
100 Percent .....	0.8	7.3	7.1	111	Q	Q	Q	Q	6.1
125 Percent .....	1.0	7.3	7.1	107	Q	Q	Q	Q	7.5
150 Percent .....	1.2	7.5	7.3	104	Q	Q	Q	Q	9.7
<b>Age of Householder</b>									
Under 35 Years .....	1.3	6.7	6.5	81	0.1	4.4	48	86	9.2
35 to 59 Years .....	1.9	8.6	8.4	93	0.2	5.3	58	99	17.0
60 Years and Over .....	1.3	5.8	5.6	70	Q	Q	Q	Q	8.8
<b>Household Size</b>									
1 Person .....	1.0	3.8	3.7	55	Q	Q	Q	Q	9.6
2 to 4 Persons .....	2.9	7.4	7.2	83	0.3	4.3	47	80	7.3
5 or More Persons .....	0.5	13.0	12.6	137	Q	Q	Q	Q	22.8

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, D, and F of the 1993 Residential Energy Consumption Survey.