

**Table 1. Consumption and Expenditures in Northeast Region 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	1.2	0.8	1.0	1.0	1.0	0.7	0.8	0.7	
<b>Northeast Region</b>												
<b>Total Region</b> .....	19.5	13.8	40.1	173	60	122.4	47	2,157	0.74	1,526	583	2.4
<b>Climate Zone<sup>2</sup></b>												
Under 2,000 CDD and Over 5,500 HDD .....	11.2	8.6	24.5	163	57	124.4	49	1,972	0.69	1,506	593	2.9
Under 5,500 HDD .....	8.3	5.2	15.5	190	64	119.6	44	2,462	0.83	1,552	571	3.7
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 .....	11.9	11.9	31.9	144	54	143.9	50	1,784	0.67	1,784	624	2.9
Mobile Home .....	0.5	0.5	0.5	87	94	87.2	41	1,361	1.47	1,361	640	11.4
Multifamily (2 or more units) .....	7.0	1.3	7.7	470	81	88.5	39	5,842	1.01	1,100	491	4.7
<b>Heated Floorspace (square feet)</b>												
Fewer than 1,000 .....	5.8	2.1	4.6	213	99	78.3	38	2,784	1.29	1,021	495	4.4
1,000 to 1,999 .....	6.8	5.2	12.3	155	66	118.5	45	1,917	0.81	1,464	559	3.7
2,000 or more .....	6.8	6.4	23.2	174	48	163.9	53	2,143	0.59	2,018	654	4.2
<b>Ownership of Unit</b>												
Owned .....	12.3	11.4	32.0	154	55	143.0	52	1,910	0.68	1,770	638	2.6
Rented .....	7.2	2.4	8.1	262	78	87.3	37	3,331	0.99	1,109	473	4.1
<b>Year of Construction</b>												
1939 or Before .....	6.7	4.4	13.4	201	66	131.5	51	2,274	0.75	1,489	581	5.0
1940 to 1979 .....	9.7	7.0	20.1	172	60	124.1	48	2,170	0.76	1,568	603	4.2
1980 or After <sup>3</sup> .....	3.0	2.3	6.5	125	45	96.5	35	1,902	0.68	1,473	529	6.7
<b>1993 Family Income</b>												
Less than \$10,000 .....	3.0	1.5	4.0	205	74	98.0	46	2,470	0.90	1,183	555	5.3
\$10,000 to \$19,999 .....	3.7	2.3	6.0	178	69	111.8	51	2,029	0.79	1,277	586	6.4
\$20,000 to \$34,999 .....	4.1	3.0	7.9	157	59	114.4	46	2,010	0.75	1,463	586	6.1
\$35,000 to \$49,999 .....	3.8	2.9	8.8	158	53	121.6	42	2,046	0.68	1,570	537	4.3
\$50,000 or More .....	4.8	4.1	13.4	181	55	152.9	49	2,306	0.71	1,949	626	4.2
<b>Below Poverty Line</b>												
100 Percent .....	3.0	1.5	4.1	206	75	102.3	38	2,531	0.92	1,259	464	5.1
125 Percent .....	3.9	2.0	5.5	201	73	104.0	39	2,471	0.90	1,276	473	4.5
150 Percent .....	4.7	2.5	6.8	204	74	106.9	40	2,494	0.90	1,305	483	4.4
<b>Age of Householder</b>												
Under 35 Years .....	4.7	2.6	7.6	187	65	104.9	37	2,408	0.83	1,349	473	5.0
35 to 59 Years .....	8.8	6.9	20.1	163	56	127.4	42	2,131	0.73	1,666	550	3.3
60 Years and Over .....	6.0	4.3	12.4	181	62	128.5	71	2,046	0.70	1,457	800	4.2
<b>Household Size</b>												
1 Person .....	4.8	2.6	6.8	163	63	89.2	89	1,932	0.75	1,058	1,058	5.1
2 to 4 Persons .....	12.9	9.7	28.3	172	59	129.6	47	2,141	0.73	1,613	580	2.5
5 or More Persons .....	1.8	1.4	5.0	199	58	158.1	28	2,681	0.78	2,131	375	8.0

See footnotes at end of table.

**Table 1. Consumption and Expenditures in Northeast Region Households, 1993 (Continued)**

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	1.2	0.8	1.0	1.0	1.0	0.7	0.8	0.7	
<b>New England Division</b> .....	5.1	3.7	10.6	168	59	123.1	48	2,094	0.73	1,532	598	4.1
<b>Climate Zone<sup>2</sup></b>												
Under 2,000 CDD and												
Over 5,500 HDD .....	5.1	3.7	10.6	168	59	123.1	48	2,094	0.73	1,532	598	4.1
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	3.1	3.1	8.3	142	53	141.9	51	1,775	0.66	1,775	632	4.7
Mobile Home .....	0.2	0.2	0.2	88	105	88.4	41	1,406	1.67	1,406	644	18.8
Multifamily (2 or more units) .....	1.7	0.4	2.2	424	75	94.3	43	5,038	0.89	1,119	515	8.5
<b>Heated Floorspace (square feet)</b>												
Fewer than 1,000 .....	1.7	0.7	1.4	185	96	82.5	41	2,427	1.26	1,082	532	5.9
1,000 to 1,999 .....	1.8	1.4	3.3	153	65	123.2	45	1,946	0.82	1,571	580	5.3
2,000 or more .....	1.7	1.6	5.9	174	46	163.9	56	2,070	0.55	1,945	661	6.6
<b>Ownership of Unit</b>												
Owned .....	3.2	3.0	8.3	151	54	140.2	52	1,871	0.67	1,742	642	4.3
Rented .....	1.9	0.8	2.4	237	76	94.3	41	2,972	0.95	1,181	511	6.2
<b>Year of Construction</b>												
1939 or Before .....	1.9	1.3	4.3	201	62	142.4	55	2,278	0.70	1,615	626	7.7
1940 to 1979 .....	2.4	1.7	4.4	162	61	113.6	47	2,052	0.77	1,443	599	4.9
1980 or After <sup>3</sup> .....	0.8	0.7	1.9	121	45	105.5	36	1,841	0.69	1,601	538	10.1
<b>1993 Family Income</b>												
Less than \$10,000 .....	0.7	0.3	0.8	205	81	100.3	51	2,438	0.97	1,190	600	8.6
\$10,000 to \$19,999 .....	1.1	0.7	1.8	178	66	112.8	54	2,051	0.76	1,303	626	7.3
\$20,000 to \$34,999 .....	0.9	0.7	2.0	148	55	114.8	44	1,950	0.73	1,513	586	8.1
\$35,000 to \$49,999 .....	1.0	0.8	2.3	144	53	120.8	40	1,896	0.70	1,595	530	5.0
\$50,000 or More .....	1.4	1.1	3.8	184	55	149.0	52	2,264	0.68	1,837	640	8.1
<b>Below Poverty Line</b>												
100 Percent .....	0.6	0.3	0.8	198	84	102.4	38	2,495	1.06	1,292	476	11.0
125 Percent .....	0.8	0.4	1.1	189	76	102.5	39	2,364	0.95	1,285	488	10.4
150 Percent .....	1.0	0.6	1.5	190	74	106.4	39	2,365	0.91	1,322	490	9.4
<b>Age of Householder</b>												
Under 35 Years .....	1.1	0.7	1.9	190	66	111.8	39	2,463	0.86	1,448	503	6.8
35 to 59 Years .....	2.3	1.9	5.1	151	55	120.7	41	1,971	0.72	1,577	531	4.0
60 Years and Over .....	1.6	1.2	3.6	183	59	134.8	78	2,079	0.67	1,527	879	5.4
<b>Household Size</b>												
1 Person .....	1.3	0.7	1.8	165	66	94.1	94	1,919	0.77	1,093	1,093	5.8
2 to 4 Persons .....	3.4	2.7	8.0	170	57	132.1	47	2,118	0.71	1,642	584	5.1
5 or More Persons .....	0.4	0.3	0.9	157	58	138.2	25	2,285	0.85	2,006	360	8.9

See footnotes at end of table.

**Table 1. Consumption and Expenditures in Northeast Region Households, 1993 (Continued)**

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	1.2	0.8	1.0	1.0	1.0	0.7	0.8	0.7	
<b>Middle Atlantic Division</b> .....	14.4	10.1	29.4	175	60	122.1	46	2,181	0.75	1,523	578	2.8
<b>Climate Zone<sup>2</sup></b>												
Under 2,000 CDD and Over 5,500 HDD .....	6.1	4.9	13.9	159	56	125.4	50	1,879	0.66	1,484	589	3.9
Under 5,500 HDD .....	8.3	5.2	15.5	190	64	119.6	44	2,462	0.83	1,552	571	3.7
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 .....	8.8	8.8	23.6	145	54	144.6	50	1,787	0.67	1,787	622	3.5
Mobile Home .....	0.3	0.3	0.3	86	87	86.4	41	1,329	1.34	1,329	637	14.7
Multifamily (2 or more units) .....	5.3	0.9	5.5	489	83	86.6	38	6,176	1.05	1,094	483	5.5
<b>Heated Floorspace (square feet)</b>												
Fewer than 1,000 .....	4.2	1.4	3.2	229	100	76.7	37	2,974	1.30	997	481	5.8
1,000 to 1,999 .....	5.1	3.8	8.9	156	66	116.9	45	1,906	0.81	1,427	552	4.7
2,000 or more .....	5.2	4.9	17.3	174	49	163.9	52	2,167	0.61	2,041	652	5.1
<b>Ownership of Unit</b>												
Owned .....	9.1	8.4	23.7	156	55	143.9	52	1,923	0.68	1,780	637	3.1
Rented .....	5.3	1.6	5.7	273	79	84.7	36	3,495	1.00	1,084	459	5.2
<b>Year of Construction</b>												
1939 or Before .....	4.8	3.1	9.1	201	68	127.2	50	2,272	0.77	1,439	564	6.3
1940 to 1979 .....	7.4	5.4	15.7	175	60	127.5	48	2,206	0.75	1,608	604	5.2
1980 or After <sup>3</sup> .....	2.2	1.6	4.6	126	45	93.3	34	1,927	0.68	1,426	525	8.5
<b>1993 Family Income</b>												
Less than \$10,000 .....	2.4	1.1	3.2	205	73	97.4	45	2,479	0.88	1,180	544	6.3
\$10,000 to \$19,999 .....	2.7	1.7	4.2	178	71	111.4	50	2,019	0.81	1,267	571	8.5
\$20,000 to \$34,999 .....	3.1	2.2	6.0	160	60	114.3	46	2,030	0.76	1,448	586	7.5
\$35,000 to \$49,999 .....	2.8	2.1	6.5	165	53	121.9	42	2,107	0.67	1,561	540	5.5
\$50,000 or More .....	3.5	3.0	9.6	180	56	154.5	48	2,322	0.72	1,994	621	4.7
<b>Below Poverty Line</b>												
100 Percent .....	2.4	1.2	3.3	208	73	102.3	38	2,541	0.89	1,250	461	6.0
125 Percent .....	3.1	1.6	4.4	205	73	104.4	38	2,501	0.89	1,273	469	4.9
150 Percent .....	3.7	1.9	5.3	209	74	107.1	40	2,534	0.89	1,300	481	4.9
<b>Age of Householder</b>												
Under 35 Years .....	3.5	1.9	5.6	186	64	102.7	36	2,388	0.83	1,317	463	6.1
35 to 59 Years .....	6.5	5.0	15.0	168	56	129.8	43	2,191	0.73	1,698	557	4.2
60 Years and Over .....	4.4	3.1	8.8	179	63	126.3	68	2,033	0.72	1,431	773	5.3
<b>Household Size</b>												
1 Person .....	3.5	1.9	5.0	162	62	87.5	88	1,936	0.74	1,046	1,046	6.8
2 to 4 Persons .....	9.5	7.1	20.4	173	60	128.7	46	2,149	0.75	1,603	578	2.6
5 or More Persons .....	1.4	1.1	4.1	211	58	163.2	29	2,798	0.76	2,163	378	9.6

<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 Northeast Region Households, 1993**

Characteristics	Major Energy Sources <sup>1</sup> (tril-lion Btu)	Electricity			Natural Gas		Fuel Oil		Kerosene		Liquefied Petroleum Gas		RSE Row Factors
		Primary (tril-lion Btu)	Site		(tril-lion Btu)	(bil-lion cubic feet)	(tril-lion Btu)	(bil-lion gal-lons)	(tril-lion Btu)	(bil-lion gal-lons)	(tril-lion Btu)	(bil-lion gal-lons)	
			(tril-lion Btu)	(bil-lion kWh)									
RSE Column Factor:	0.5	0.5	0.5	0.5	1.0	1.0	0.9	0.9	2.2	2.2	2.3	2.3	

**Northeast Region**

<b>Total Region</b> .....	2,383.4	1,415.8	469.9	137.7	1,111.5	1,081	757.0	5.46	19.9	0.15	25.1	0.28	10.7
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	1,395.0	868.3	288.2	84.5	626.5	609	440.0	3.17	17.1	0.13	23.3	0.25	13.7
Under 5,500 HDD .....	988.3	547.6	181.7	53.3	485.0	472	317.0	2.29	Q	Q	Q	Q	14.9
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 .....	1,714.0	1,060.7	352.1	103.2	757.7	737	579.1	4.18	7.1	0.05	18.0	0.20	13.3
Mobile Home .....	47.3	43.1	14.3	4.2	Q	Q	12.5	0.09	11.4	0.08	3.6	0.04	36.1
Multifamily (2 or more units) ..	622.0	311.9	103.5	30.3	348.4	339	165.3	1.19	Q	Q	Q	Q	14.9
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	457.0	258.1	85.7	25.1	242.3	236	108.1	0.78	11.8	0.09	9.1	0.10	11.9
1,000 to 1,999 .....	808.0	475.1	157.7	46.2	377.5	367	257.0	1.85	6.8	0.05	Q	Q	15.3
2,000 or More .....	1,118.4	682.5	226.5	66.4	491.6	478	391.8	2.83	Q	Q	7.1	0.08	16.8
<b>Ownership of Unit</b>													
Owned .....	1,754.6	1,059.8	351.7	103.1	785.3	764	584.5	4.22	13.9	0.10	19.2	0.21	11.8
Rented .....	628.7	356.0	118.2	34.6	326.2	317	172.5	1.24	5.9	0.04	6.0	0.07	12.6
<b>Year of Construction</b>													
1939 or Before .....	884.5	389.1	129.1	37.8	424.4	413	318.4	2.30	5.9	0.04	6.7	0.07	16.9
1940 to 1979 .....	1,206.6	738.0	244.9	71.8	576.5	561	370.6	2.67	7.8	0.06	6.8	0.07	14.9
1980 or After <sup>3</sup> .....	292.3	288.8	95.8	28.1	110.7	108	67.9	0.49	6.2	0.05	11.7	0.13	21.1
<b>1993 Family Income</b>													
Less than \$10,000 .....	297.9	152.6	50.6	14.8	158.0	154	84.2	0.61	Q	Q	Q	Q	19.7
\$10,000 to \$19,999 .....	415.3	209.3	69.5	20.4	218.1	212	116.5	0.84	7.8	0.06	3.5	0.04	19.4
\$20,000 to \$34,999 .....	466.0	292.0	96.9	28.4	193.5	188	161.8	1.17	6.7	0.05	7.2	0.08	17.2
\$35,000 to \$49,999 .....	462.8	310.5	103.1	30.2	196.9	191	155.2	1.12	Q	Q	6.1	0.07	15.4
\$50,000 or More .....	741.3	451.4	149.8	43.9	345.0	336	239.3	1.73	1.0	0.01	Q	Q	13.3
<b>Below Poverty Line</b>													
100 Percent .....	307.6	169.2	56.2	16.5	166.8	162	78.8	0.57	4.5	0.03	1.3	0.01	17.3
125 Percent .....	406.8	224.1	74.4	21.8	216.8	211	108.4	0.78	5.3	0.04	1.8	0.02	15.7
150 Percent .....	502.9	283.7	94.1	27.6	267.7	260	133.0	0.96	5.4	0.04	2.7	0.03	16.8
<b>Age of Householder</b>													
Under 35 Years .....	490.1	310.6	103.1	30.2	250.4	244	126.7	0.91	3.9	0.03	6.0	0.07	15.7
35 to 59 Years .....	1,123.3	742.0	246.3	72.2	475.7	463	376.6	2.72	10.1	0.07	14.6	0.16	13.1
60 Years and Over .....	770.0	363.2	120.5	35.3	385.4	375	253.6	1.83	5.9	0.04	Q	Q	15.4
<b>Household Size</b>													
1 Person .....	425.1	210.8	70.0	20.5	195.8	190	147.5	1.06	6.3	0.05	5.5	0.06	16.7
2 to 4 Persons .....	1,672.7	1,005.1	333.6	97.8	793.2	772	514.5	3.71	12.9	0.10	18.4	0.20	11.2
5 or More Persons .....	285.6	199.8	66.3	19.4	122.4	119	94.9	0.68	Q	Q	Q	Q	26.3

See footnotes at end of table.

**Table 2. Total Consumption in Northeast Region Households, 1993 (Continued)**

Characteristics	Major Energy Sources <sup>1</sup> (tril- lion Btu)	Electricity			Natural Gas		Fuel Oil		Kerosene		Liquefied Petroleum Gas		RSE Row Factors
		Primary	Site		(tril- lion Btu)	(bil- lion cubic feet)	(tril- lion Btu)	(bil- lion gal- lons)	(tril- lion Btu)	(bil- lion gal- lons)	(tril- lion Btu)	(bil- lion gal- lons)	
		(tril- lion Btu)	(tril- lion Btu)	(bil- lion kWh)									
RSE Column Factor:	0.5	0.5	0.5	0.5	1.0	1.0	0.9	0.9	2.2	2.2	2.3	2.3	
<b>New England Division</b> .....	623.8	367.2	121.9	35.7	189.0	184	290.8	2.10	8.7	0.06	13.3	0.15	14.9
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	623.8	367.2	121.9	35.7	189.0	184	290.8	2.10	8.7	0.06	13.3	0.15	14.9
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	439.2	270.3	89.7	26.3	103.0	100	233.1	1.68	Q	Q	Q	Q	20.6
Mobile Home .....	19.9	18.2	6.1	1.8	Q	Q	Q	Q	4.5	0.03	Q	Q	60.6
Multifamily (2 or more units) ..	164.7	78.7	26.1	7.7	86.1	84	49.7	0.36	Q	Q	Q	Q	22.1
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	137.2	85.0	28.2	8.3	59.9	58	39.8	0.29	4.8	0.04	4.5	0.05	16.7
1,000 to 1,999 .....	216.0	130.7	43.4	12.7	60.6	59	101.8	0.73	Q	Q	Q	Q	22.9
2,000 or More .....	270.6	151.5	50.3	14.7	68.5	67	149.2	1.08	Q	Q	2.2	0.02	23.6
<b>Ownership of Unit</b>													
Owned .....	445.4	265.6	88.1	25.8	109.5	107	232.2	1.67	Q	Q	8.7	0.09	17.5
Rented .....	178.3	101.6	33.7	9.9	79.5	77	58.6	0.42	Q	Q	4.7	0.05	15.9
<b>Year of Construction</b>													
1939 or Before .....	269.3	123.0	40.8	12.0	94.0	91	128.4	0.93	Q	Q	4.2	0.05	19.9
1940 to 1979 .....	269.4	169.8	56.3	16.5	75.6	74	128.6	0.93	5.1	0.04	3.7	0.04	17.3
1980 or After <sup>3</sup> .....	85.1	74.4	24.7	7.2	19.4	19	33.8	0.24	Q	Q	Q	Q	30.6
<b>1993 Family Income</b>													
Less than \$10,000 .....	66.1	30.4	10.1	3.0	29.1	28	23.4	0.17	Q	Q	Q	Q	27.5
\$10,000 to \$19,999 .....	119.8	57.3	19.0	5.6	33.3	32	64.5	0.47	Q	Q	Q	Q	34.0
\$20,000 to \$34,999 .....	108.5	71.5	23.7	7.0	24.9	24	51.4	0.37	Q	Q	5.1	0.06	22.1
\$35,000 to \$49,999 .....	121.6	84.1	27.9	8.2	28.3	28	61.3	0.44	Q	Q	Q	Q	24.6
\$50,000 or More .....	207.8	124.0	41.1	12.1	73.4	71	90.3	0.65	Q	Q	Q	Q	24.5
<b>Below Poverty Line</b>													
100 Percent .....	65.0	35.6	11.8	3.5	34.0	33	15.8	0.11	Q	Q	Q	Q	28.3
125 Percent .....	84.4	45.5	15.1	4.4	40.0	39	25.7	0.19	Q	Q	0.9	0.01	22.8
150 Percent .....	111.0	60.8	20.2	5.9	45.6	44	40.7	0.29	Q	Q	Q	Q	26.6
<b>Age of Householder</b>													
Under 35 Years .....	127.5	76.9	25.5	7.5	55.8	54	42.6	0.31	Q	Q	Q	Q	25.0
35 to 59 Years .....	282.8	186.2	61.8	18.1	74.6	73	135.0	0.97	4.1	0.03	7.3	0.08	13.7
60 Years and Over .....	213.5	104.1	34.6	10.1	58.6	57	113.3	0.82	Q	Q	Q	Q	15.6
<b>Household Size</b>													
1 Person .....	118.5	55.6	18.5	5.4	34.5	34	58.0	0.42	Q	Q	4.7	0.05	19.8
2 to 4 Persons .....	454.0	267.7	88.9	26.0	142.7	139	208.7	1.51	5.5	0.04	Q	Q	17.3
5 or More Persons .....	51.3	43.9	14.6	4.3	11.8	11	24.1	0.17	Q	Q	Q	Q	29.1

See footnotes at end of table.

**Table 2. Total Consumption in Northeast Region Households, 1993 (Continued)**

Characteristics	Major Energy Sources <sup>1</sup> (tril-lion Btu)	Electricity			Natural Gas		Fuel Oil		Kerosene		Liquefied Petroleum Gas		RSE Row Factors
		Primary (tril-lion Btu)	Site		(tril-lion Btu)	(bil-lion cubic feet)	(tril-lion Btu)	(bil-lion gal-lons)	(tril-lion Btu)	(bil-lion gal-lons)	(tril-lion Btu)	(bil-lion gal-lons)	
			(tril-lion Btu)	(bil-lion kWh)									
RSE Column Factor:	0.5	0.5	0.5	0.5	1.0	1.0	0.9	0.9	2.2	2.2	2.3	2.3	
<b>Middle Atlantic Division</b> .....	1,759.6	1,048.6	348.0	102.0	922.5	897	466.2	3.36	11.1	0.08	11.8	0.13	13.8
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	771.3	501.0	166.3	48.7	437.5	426	149.2	1.08	8.4	0.06	9.9	0.11	21.4
Under 5,500 HDD .....	988.3	547.6	181.7	53.3	485.0	472	317.0	2.29	Q	Q	Q	Q	14.9
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 .....	1,274.8	790.5	262.4	76.9	654.8	637	346.0	2.49	3.2	0.02	Q	Q	15.0
Mobile Home .....	27.4	24.9	8.3	2.4	Q	Q	4.6	0.03	6.9	0.05	Q	Q	53.9
Multifamily (2 or more units) ..	457.3	233.2	77.4	22.7	262.3	255	115.6	0.83	Q	Q	Q	Q	18.4
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	319.9	173.1	57.5	16.8	182.4	177	68.3	0.49	7.0	0.05	4.7	0.05	16.2
1,000 to 1,999 .....	591.9	344.4	114.3	33.5	316.9	308	155.2	1.12	Q	Q	2.2	0.02	17.5
2,000 or More .....	847.8	531.1	176.3	51.7	423.1	412	242.6	1.75	Q	Q	Q	Q	19.0
<b>Ownership of Unit</b>													
Owned .....	1,309.2	794.2	263.6	77.3	675.8	657	352.3	2.54	7.0	0.05	10.5	0.12	14.9
Rented .....	450.4	254.4	84.4	24.7	246.7	240	113.8	0.82	4.1	0.03	1.3	0.01	16.7
<b>Year of Construction</b>													
1939 or Before .....	615.2	266.0	88.3	25.9	330.3	321	190.0	1.37	4.1	0.03	Q	Q	24.2
1940 to 1979 .....	937.2	568.2	188.6	55.3	500.9	487	242.0	1.75	Q	Q	3.1	0.03	19.6
1980 or After <sup>3</sup> .....	207.2	214.4	71.1	20.9	91.3	89	34.2	0.25	Q	Q	Q	Q	24.3
<b>1993 Family Income</b>													
Less than \$10,000 .....	231.7	122.2	40.6	11.9	128.9	125	60.8	0.44	Q	Q	Q	Q	24.4
\$10,000 to \$19,999 .....	295.5	152.0	50.5	14.8	184.8	180	52.0	0.37	Q	Q	2.7	0.03	23.2
\$20,000 to \$34,999 .....	357.5	220.5	73.2	21.5	168.6	164	110.5	0.80	3.3	0.02	2.0	0.02	22.6
\$35,000 to \$49,999 .....	341.3	226.4	75.1	22.0	168.6	164	94.0	0.68	Q	Q	Q	Q	18.2
\$50,000 or More .....	533.6	327.4	108.7	31.9	271.6	264	148.9	1.07	Q	Q	Q	Q	17.0
<b>Below Poverty Line</b>													
100 Percent .....	242.7	133.6	44.4	13.0	132.8	129	63.0	0.45	1.8	0.01	Q	Q	19.8
125 Percent .....	322.3	178.6	59.3	17.4	176.9	172	82.6	0.60	2.6	0.02	1.0	0.01	19.3
150 Percent .....	391.9	222.9	74.0	21.7	222.1	216	92.4	0.67	2.6	0.02	1.0	0.01	19.2
<b>Age of Householder</b>													
Under 35 Years .....	362.6	233.7	77.6	22.7	194.6	189	84.2	0.61	2.4	0.02	4.0	0.04	20.3
35 to 59 Years .....	840.5	555.9	184.5	54.1	401.1	390	241.6	1.74	6.0	0.04	7.2	0.08	17.9
60 Years and Over .....	556.5	259.1	86.0	25.2	326.7	318	140.4	1.01	Q	Q	Q	Q	19.0
<b>Household Size</b>													
1 Person .....	306.6	155.2	51.5	15.1	161.3	157	89.5	0.65	Q	Q	Q	Q	21.9
2 to 4 Persons .....	1,218.8	737.4	244.7	71.7	650.5	633	305.9	2.21	7.5	0.06	10.1	0.11	13.8
5 or More Persons .....	234.3	156.0	51.8	15.2	110.6	108	70.8	0.51	Q	Q	Q	Q	32.1

<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 Northeast Region Households, 1993**  
(Billion Dollars)

Characteristics	Major Energy Sources <sup>1</sup>	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
	RSE Column Factor:	0.4	0.5	1.0	0.9	2.3	
<b>Northeast Region</b>							
<b>Total Region</b> .....	29.72	15.76	8.60	4.85	0.15	0.35	9.5
<b>Climate Zone<sup>2</sup></b>							
Under 2,000 CDD and Over 5,500 HDD .....	16.89	8.93	4.67	2.85	0.13	0.31	12.1
Under 5,500 HDD .....	12.83	6.84	3.93	2.01	Q	0.04	15.3
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 .....	21.24	11.42	5.68	3.84	0.06	0.25	12.2
Mobile Home .....	0.74	0.47	Q	0.09	0.09	0.06	36.1
Multifamily (2 or more units) .....	7.73	3.88	2.88	0.92	Q	Q	13.6
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	5.96	3.16	1.98	0.60	0.09	0.13	11.3
1,000 to 1,999 .....	9.98	5.23	2.93	1.66	0.05	0.12	15.9
2,000 or More .....	13.77	7.37	3.69	2.59	Q	0.11	15.8
<b>Ownership of Unit</b>							
Owned .....	21.72	11.55	5.92	3.87	0.11	0.27	10.6
Rented .....	7.99	4.22	2.67	0.98	0.05	0.08	11.3
<b>Year of Construction</b>							
1939 or Before .....	10.01	4.50	3.35	2.01	0.05	0.10	16.2
1940 to 1979 .....	15.24	8.30	4.37	2.40	0.06	0.11	15.8
1980 or After <sup>3</sup> .....	4.46	2.96	0.87	0.44	0.05	0.13	20.3
<b>1993 Family Income</b>							
Less than \$10,000 .....	3.59	1.81	1.22	0.51	Q	Q	18.7
\$10,000 to \$19,999 .....	4.74	2.31	1.61	0.72	0.06	0.05	18.0
\$20,000 to \$34,999 .....	5.96	3.25	1.52	1.03	0.05	0.11	16.1
\$35,000 to \$49,999 .....	5.98	3.33	1.56	1.00	Q	0.08	14.8
\$50,000 or More .....	9.45	5.07	2.70	1.60	0.01	0.08	13.8
<b>Below Poverty Line</b>							
100 Percent .....	3.78	1.97	1.29	0.47	0.04	0.02	16.9
125 Percent .....	4.99	2.59	1.68	0.64	0.04	0.03	15.1
150 Percent .....	6.14	3.21	2.05	0.79	0.04	0.04	15.7
<b>Age of Householder</b>							
Under 35 Years .....	6.30	3.43	1.98	0.77	0.03	0.08	14.4
35 to 59 Years .....	14.69	8.22	3.73	2.45	0.08	0.21	12.8
60 Years and Over .....	8.73	4.11	2.88	1.62	0.04	0.06	14.6
<b>Household Size</b>							
1 Person .....	5.04	2.48	1.50	0.94	0.05	0.08	15.3
2 to 4 Persons .....	20.83	11.01	6.14	3.32	0.10	0.25	9.8
5 or More Persons .....	3.85	2.28	0.95	0.60	Q	Q	28.9

See footnotes at end of table.

**Table 3. Total Expenditures in Northeast Region Households, 1993 (Continued)**

(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	0.9	2.3	2.3	
<b>New England Division</b> .....	7.77	4.04	1.59	1.89	0.07	0.17	13.7
<b>Climate Zone<sup>2</sup></b>							
Under 2,000 CDD and							
Over 5,500 HDD .....	7.77	4.04	1.59	1.89	0.07	0.17	13.7
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	NF
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 .....	5.49	2.95	0.87	1.53	Q	0.12	19.4
Mobile Home .....	0.32	0.20	Q	Q	0.03	Q	61.3
Multifamily (2 or more units) .....	1.96	0.89	0.73	0.31	Q	Q	23.8
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	1.80	0.96	0.50	0.25	0.04	0.06	15.2
1,000 to 1,999 .....	2.76	1.44	0.53	0.67	Q	Q	24.6
2,000 or More .....	3.21	1.64	0.56	0.98	Q	0.04	21.5
<b>Ownership of Unit</b>							
Owned .....	5.53	2.91	0.93	1.52	Q	0.12	15.6
Rented .....	2.23	1.13	0.67	0.37	Q	0.05	16.1
<b>Year of Construction</b>							
1939 or Before .....	3.05	1.34	0.80	0.83	Q	0.06	18.4
1940 to 1979 .....	3.42	1.87	0.62	0.83	0.04	0.06	16.6
1980 or After <sup>3</sup> .....	1.29	0.83	0.17	0.22	Q	Q	29.5
<b>1993 Family Income</b>							
Less than \$10,000 .....	0.78	0.34	0.25	0.16	Q	Q	26.1
\$10,000 to \$19,999 .....	1.38	0.66	0.29	0.41	Q	0.01	30.3
\$20,000 to \$34,999 .....	1.43	0.79	0.21	0.33	Q	0.07	21.8
\$35,000 to \$49,999 .....	1.61	0.91	0.24	0.40	Q	Q	23.3
\$50,000 or More .....	2.56	1.33	0.61	0.59	Q	Q	24.7
<b>Below Poverty Line</b>							
100 Percent .....	0.82	0.40	0.28	0.11	Q	Q	29.6
125 Percent .....	1.06	0.51	0.34	0.17	Q	0.02	23.3
150 Percent .....	1.38	0.68	0.38	0.27	Q	Q	26.2
<b>Age of Householder</b>							
Under 35 Years .....	1.65	0.85	0.48	0.28	Q	0.03	24.2
35 to 59 Years .....	3.70	2.05	0.63	0.88	0.03	0.10	12.3
60 Years and Over .....	2.42	1.14	0.48	0.74	Q	Q	13.9
<b>Household Size</b>							
1 Person .....	1.38	0.63	0.28	0.38	Q	0.06	19.6
2 to 4 Persons .....	5.64	2.93	1.21	1.36	0.04	0.11	17.1
5 or More Persons .....	0.74	0.48	0.10	0.16	Q	Q	29.1

See footnotes at end of table.



**Table 3. Total Expenditures in Northeast Region Households, 1993 (Continued)**  
(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	0.9	2.3	2.3	
<b>Middle Atlantic Division</b> .....	21.95	11.72	7.00	2.96	0.09	0.18	12.3
<b>Climate Zone<sup>2</sup></b>							
Under 2,000 CDD and							
Over 5,500 HDD .....	9.12	4.89	3.08	0.96	0.07	0.14	18.7
Under 5,500 HDD .....	12.83	6.84	3.93	2.01	Q	0.04	15.3
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 .....	15.75	8.47	4.81	2.32	0.03	0.13	14.9
Mobile Home .....	0.42	0.26	Q	0.03	0.05	Q	54.5
Multifamily (2 or more units) .....	5.78	2.99	2.15	0.61	Q	Q	16.2
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	4.16	2.21	1.48	0.36	0.05	0.07	15.3
1,000 to 1,999 .....	7.23	3.78	2.39	0.99	Q	0.04	16.7
2,000 or More .....	10.56	5.74	3.13	1.61	Q	Q	18.6
<b>Ownership of Unit</b>							
Owned .....	16.19	8.64	5.00	2.35	0.05	0.15	13.5
Rented .....	5.76	3.09	2.01	0.61	0.03	0.02	15.1
<b>Year of Construction</b>							
1939 or Before .....	6.96	3.16	2.55	1.18	0.03	Q	23.3
1940 to 1979 .....	11.82	6.43	3.76	1.56	Q	0.05	21.5
1980 or After <sup>3</sup> .....	3.17	2.14	0.70	0.22	Q	0.08	23.6
<b>1993 Family Income</b>							
Less than \$10,000 .....	2.81	1.47	0.97	0.35	Q	Q	23.3
\$10,000 to \$19,999 .....	3.36	1.66	1.32	0.30	Q	0.04	21.4
\$20,000 to \$34,999 .....	4.53	2.45	1.31	0.70	0.02	0.04	21.7
\$35,000 to \$49,999 .....	4.37	2.41	1.31	0.60	Q	Q	17.9
\$50,000 or More .....	6.89	3.74	2.09	1.00	Q	Q	17.8
<b>Below Poverty Line</b>							
100 Percent .....	2.96	1.57	1.01	0.36	0.01	Q	19.0
125 Percent .....	3.93	2.08	1.35	0.47	0.02	0.02	18.2
150 Percent .....	4.76	2.53	1.67	0.53	0.02	0.02	17.8
<b>Age of Householder</b>							
Under 35 Years .....	4.65	2.58	1.50	0.50	0.02	0.05	18.6
35 to 59 Years .....	10.99	6.16	3.10	1.58	0.04	0.11	17.6
60 Years and Over .....	6.31	2.98	2.41	0.89	Q	Q	17.1
<b>Household Size</b>							
1 Person .....	3.66	1.84	1.22	0.56	Q	Q	19.1
2 to 4 Persons .....	15.18	8.08	4.93	1.97	0.06	0.15	12.1
5 or More Persons .....	3.10	1.80	0.85	0.44	Q	Q	35.3

<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 4. Electricity Consumption and Expenditures in Northeast Region 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:	1.2	1.2	1.2	1.2	1.0	0.8	0.6	
<b>Northeast Region</b>								
<b>Total Region</b> .....	19.5	72.7	24.1	7,071	809	2,056	11.4	3.8
<b>Climate Zone<sup>1</sup></b>								
Under 2,000 CDD and Over 5,500 HDD .....	11.2	77.4	25.7	7,530	796	2,186	10.6	4.1
Under 5,500 HDD .....	8.3	66.3	22.0	6,447	828	1,880	12.8	5.3
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 .....	11.9	89.1	29.6	8,665	959	2,677	11.1	3.9
Mobile Home .....	0.5	79.5	26.4	7,733	860	929	11.1	9.2
Multifamily (2 or more units) .....	7.0	44.4	14.7	4,318	552	1,092	12.8	4.6
<b>Heated Floorspace (square feet)</b>								
Fewer than 1,000 .....	5.8	44.2	14.7	4,303	542	791	12.6	3.6
1,000 to 1,999 .....	6.8	69.7	23.1	6,778	767	1,797	11.3	4.6
2,000 or More .....	6.8	100.0	33.2	9,731	1,081	3,397	11.1	4.0
<b>Ownership of Unit</b>								
Owned .....	12.3	86.4	28.7	8,400	941	2,604	11.2	3.6
Rented .....	7.2	49.4	16.4	4,806	585	1,123	12.2	4.3
<b>Year of Construction</b>								
1939 or Before .....	6.7	57.8	19.2	5,626	669	1,995	11.9	5.5
1940 to 1979 .....	9.7	75.9	25.2	7,383	854	2,068	11.6	4.8
1980 or After <sup>2</sup> .....	3.0	95.4	31.7	9,278	979	2,153	10.6	7.4
<b>1993 Family Income</b>								
Less than \$10,000 .....	3.0	50.2	16.7	4,886	596	1,318	12.2	6.2
\$10,000 to \$19,999 .....	3.7	56.3	18.7	5,481	623	1,611	11.4	5.1
\$20,000 to \$34,999 .....	4.1	71.7	23.8	6,975	797	1,948	11.4	6.3
\$35,000 to \$49,999 .....	3.8	81.6	27.1	7,936	874	2,305	11.0	5.0
\$50,000 or More .....	4.8	93.1	30.9	9,059	1,046	2,756	11.5	5.3
<b>Below Poverty Line</b>								
100 Percent .....	3.0	56.3	18.7	5,473	655	1,364	12.0	4.7
125 Percent .....	3.9	57.3	19.0	5,575	663	1,418	11.9	4.7
150 Percent .....	4.7	60.3	20.0	5,867	683	1,454	11.6	5.2
<b>Age of Householder</b>								
Under 35 Years .....	4.7	66.5	22.1	6,469	735	1,618	11.4	5.0
35 to 59 Years .....	8.8	84.2	27.9	8,186	932	2,282	11.4	4.6
60 Years and Over .....	6.0	60.6	20.1	5,897	687	2,066	11.6	4.8
<b>Household Size</b>								
1 Person .....	4.8	44.3	14.7	4,305	520	1,420	12.1	5.9
2 to 4 Persons .....	12.9	77.9	25.8	7,575	853	2,195	11.3	3.3
5 or More Persons .....	1.8	110.6	36.7	10,762	1,261	2,741	11.7	7.5

See footnotes at end of table.

**Table 4. Electricity Consumption and Expenditures in Northeast Region Households, 1993 (Continued)**

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:	1.2	1.2	1.2	1.2	1.0	0.8	0.6	
<b>New England Division</b> .....	5.1	72.5	24.1	7,049	797	2,101	11.3	3.6
<b>Climate Zone<sup>1</sup></b>								
Under 2,000 CDD and Over 5,500 HDD .....	5.1	72.5	24.1	7,049	797	2,101	11.3	3.6
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	3.1	87.3	29.0	8,495	952	2,669	11.2	3.2
Mobile Home .....	0.2	81.0	26.9	7,876	897	840	11.4	15.3
Multifamily (2 or more units) .....	1.7	45.0	15.0	4,382	509	1,257	11.6	5.2
<b>Heated Floorspace (square feet)</b>								
Fewer than 1,000 .....	1.7	51.1	17.0	4,974	575	856	11.6	4.9
1,000 to 1,999 .....	1.8	74.5	24.7	7,249	824	1,904	11.4	4.1
2,000 or More .....	1.7	91.8	30.5	8,926	993	3,564	11.1	4.9
<b>Ownership of Unit</b>								
Owned .....	3.2	83.6	27.7	8,132	916	2,609	11.3	2.8
Rented .....	1.9	53.8	17.8	5,229	598	1,247	11.4	6.3
<b>Year of Construction</b>								
1939 or Before .....	1.9	65.1	21.6	6,330	709	2,294	11.2	9.5
1940 to 1979 .....	2.4	71.6	23.8	6,967	789	1,869	11.3	4.7
1980 or After <sup>2</sup> .....	0.8	92.3	30.6	8,978	1,028	2,329	11.4	8.8
<b>1993 Family Income</b>								
Less than \$10,000 .....	0.7	46.1	15.3	4,487	522	1,232	11.6	7.3
\$10,000 to \$19,999 .....	1.1	53.9	17.9	5,244	618	1,718	11.8	8.4
\$20,000 to \$34,999 .....	0.9	75.6	25.1	7,355	840	2,084	11.4	4.2
\$35,000 to \$49,999 .....	1.0	83.6	27.7	8,130	909	2,272	11.2	6.3
\$50,000 or More .....	1.4	88.9	29.5	8,648	954	2,692	11.0	6.9
<b>Below Poverty Line</b>								
100 Percent .....	0.6	56.0	18.6	5,449	625	1,218	11.5	8.1
125 Percent .....	0.8	55.3	18.3	5,378	624	1,352	11.6	7.1
150 Percent .....	1.0	58.3	19.3	5,667	652	1,446	11.5	6.5
<b>Age of Householder</b>								
Under 35 Years .....	1.1	67.4	22.4	6,561	746	1,691	11.4	5.0
35 to 59 Years .....	2.3	79.5	26.4	7,729	876	2,178	11.3	4.2
60 Years and Over .....	1.6	65.7	21.8	6,394	717	2,281	11.2	4.7
<b>Household Size</b>								
1 Person .....	1.3	44.1	14.7	4,294	503	1,427	11.7	6.8
2 to 4 Persons .....	3.4	77.9	25.9	7,579	852	2,319	11.2	4.4
5 or More Persons .....	0.4	118.2	39.2	11,493	1,288	2,373	11.2	4.2

See footnotes at end of table.

**Table 4. Electricity Consumption and Expenditures in Northeast Region Households, 1993 (Continued)**

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:	1.2	1.2	1.2	1.2	1.0	0.8	0.6	
<b>New England Division</b> .....	Q	Q	Q	Q	Q	Q	Q	Q
<b>Climate Zone<sup>1</sup></b>								
Under 2,000 CDD and Over 5,500 HDD .....	6.1	81.5	27.0	7,926	795	2,257	10.0	6.5
Under 5,500 HDD .....	8.3	66.3	22.0	6,447	828	1,880	12.8	5.3
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 .....	8.8	89.7	29.8	8,724	962	2,679	11.0	5.0
Mobile Home .....	0.3	78.4	26.0	7,630	834	992	10.9	10.0
Multifamily (2 or more units) .....	5.3	44.2	14.7	4,297	565	1,037	13.2	5.8
<b>Heated Floorspace (square feet)</b>								
Fewer than 1,000 .....	4.2	41.5	13.8	4,036	529	765	13.1	4.9
1,000 to 1,999 .....	5.1	68.0	22.6	6,614	747	1,760	11.3	6.1
2,000 or More .....	5.2	102.7	34.1	9,987	1,109	3,344	11.1	4.9
<b>Ownership of Unit</b>								
Owned .....	9.1	87.3	29.0	8,494	950	2,602	11.2	4.5
Rented .....	5.3	47.9	15.9	4,656	581	1,079	12.5	5.5
<b>Year of Construction</b>								
1939 or Before .....	4.8	55.0	18.3	5,351	653	1,878	12.2	6.1
1940 to 1979 .....	7.4	77.3	25.6	7,517	875	2,132	11.6	6.1
1980 or After <sup>2</sup> .....	2.2	96.5	32.0	9,388	961	2,090	10.2	9.5
<b>1993 Family Income</b>								
Less than \$10,000 .....	2.4	51.4	17.0	4,996	616	1,342	12.3	7.4
\$10,000 to \$19,999 .....	2.7	57.3	19.0	5,576	625	1,568	11.2	6.2
\$20,000 to \$34,999 .....	3.1	70.5	23.4	6,861	784	1,907	11.4	8.1
\$35,000 to \$49,999 .....	2.8	80.9	26.8	7,866	861	2,317	11.0	6.6
\$50,000 or More .....	3.5	94.8	31.5	9,224	1,083	2,782	11.7	6.7
<b>Below Poverty Line</b>								
100 Percent .....	2.4	56.3	18.7	5,480	662	1,403	12.1	5.7
125 Percent .....	3.1	57.9	19.2	5,628	674	1,436	12.0	5.8
150 Percent .....	3.7	60.9	20.2	5,924	691	1,457	11.7	6.4
<b>Age of Householder</b>								
Under 35 Years .....	3.5	66.2	22.0	6,440	731	1,594	11.4	6.4
35 to 59 Years .....	6.5	85.9	28.5	8,352	952	2,319	11.4	6.0
60 Years and Over .....	4.4	58.8	19.5	5,719	676	1,989	11.8	6.2
<b>Household Size</b>								
1 Person .....	3.5	44.3	14.7	4,309	526	1,417	12.2	7.9
2 to 4 Persons .....	9.5	77.9	25.8	7,573	853	2,151	11.3	3.9
5 or More Persons .....	1.4	108.7	36.1	10,573	1,254	2,836	11.9	9.4

<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.

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 Northeast Region 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:	1.9	1.2	1.2	1.2	0.9	0.4	

**Northeast Region**

<b>Total Region</b> .....	12.2	90.9	88.4	703	1,906	7.95	3.8
<b>Climate Zone:</b> <sup>1</sup>							
Under 2,000 HDD and Over 5,500 HDD .....	5.9	105.7	102.8	788	2,123	7.66	4.4
Under 5,500 HDD .....	6.3	76.9	74.8	623	1,701	8.32	5.3
2,000 HDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>							
Single-Family .....	6.5	116.4	113.2	872	2,638	7.70	3.5
Mobile Home .....	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	5.6	61.8	60.1	511	1,068	8.50	6.7
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	4.3	56.3	54.7	460	758	8.40	4.5
1,000 to 1,999 .....	4.2	89.9	87.5	697	1,756	7.97	5.3
2,000 or More .....	3.7	131.9	128.3	990	3,400	7.72	4.3
<b>Ownership of Unit</b>							
Owned .....	6.9	113.4	110.3	855	2,561	7.75	3.8
Rented .....	5.3	61.5	59.8	504	1,050	8.43	5.7
<b>Year of Construction</b>							
1939 or Before .....	4.8	88.9	86.5	702	1,860	8.12	5.2
1940 to 1979 .....	6.1	94.4	91.8	717	1,914	7.80	6.2
1980 or After <sup>2</sup> .....	1.4	81.9	79.7	644	2,028	8.08	8.0
<b>1993 Family Income</b>							
Less than \$10,000 .....	2.2	71.6	69.6	552	1,263	7.92	6.4
\$10,000 to \$19,999 .....	2.4	90.4	88.0	666	1,513	7.57	8.3
\$20,000 to \$34,999 .....	2.4	81.3	79.0	639	1,689	8.08	5.3
\$35,000 to \$49,999 .....	2.2	89.3	86.9	706	2,143	8.13	5.4
\$50,000 or More .....	3.0	114.0	110.9	891	2,684	8.03	5.8
<b>Below Poverty Line</b>							
100 Percent .....	2.2	75.2	73.1	582	1,314	7.97	6.6
125 Percent .....	2.8	76.7	74.6	596	1,331	7.99	7.1
150 Percent .....	3.3	80.2	78.0	615	1,356	7.88	6.9
<b>Age of Householder</b>							
Under 35 Years .....	3.2	78.7	76.6	623	1,495	8.14	6.1
35 to 59 Years .....	5.0	95.5	92.9	749	2,122	8.06	4.7
60 Years and Over .....	4.1	94.7	92.2	709	1,962	7.69	6.3
<b>Household Size</b>							
1 Person .....	3.1	62.8	61.1	482	1,269	7.89	6.1
2 to 4 Persons .....	8.0	99.0	96.3	767	2,043	7.96	4.3
5 or More Persons .....	1.1	111.4	108.4	863	2,708	7.97	9.4

See footnotes at end of table.

**Table 5. Natural Gas Consumption and Expenditures in Northeast Region Households, 1993 (Continued)**

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:	1.9	1.2	1.2	1.2	0.9	0.4	
<b>New England Division</b> .....	2.2	85.7	83.4	722	1,903	8.67	5.8
<b>Climate Zone:</b> <sup>1</sup>							
Under 2,000 CDD and							
Over 5,500 HDD .....	2.2	85.7	83.4	722	1,903	8.67	5.8
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	NF
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 .....	0.9	109.8	106.8	925	2,749	8.66	9.0
Mobile Home .....	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.3	67.9	66.0	573	1,277	8.67	6.8
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	1.0	62.7	61.0	526	824	8.63	7.1
1,000 to 1,999 .....	0.7	87.2	84.8	769	1,918	9.07	11.6
2,000 or More .....	0.6	123.5	120.1	1002	3,740	8.34	6.5
<b>Ownership of Unit</b>							
Owned .....	1.0	105.9	103.0	896	2,682	8.70	6.6
Rented .....	1.2	67.9	66.0	569	1,215	8.62	6.1
<b>Year of Construction</b>							
1939 or Before .....	1.1	87.1	84.7	745	2,279	8.79	7.3
1940 to 1979 .....	1.0	79.1	77.0	648	1,408	8.42	7.8
1980 or After <sup>2</sup> .....	0.2	113.7	110.6	996	2,299	9.01	19.4
<b>1993 Family Income</b>							
Less than \$10,000 .....	0.4	67.6	65.8	571	1,187	8.69	10.1
\$10,000 to \$19,999 .....	0.5	73.1	71.1	627	1,373	8.82	10.1
\$20,000 to \$34,999 .....	0.3	87.1	84.7	733	1,890	8.66	14.3
\$35,000 to \$49,999 .....	0.3	85.5	83.1	739	2,213	8.89	11.6
\$50,000 or More .....	0.7	104.5	101.7	865	2,545	8.50	6.9
<b>Below Poverty Line</b>							
100 Percent .....	0.4	78.9	76.7	658	1,211	8.57	11.6
125 Percent .....	0.5	77.5	75.4	657	1,182	8.71	10.3
150 Percent .....	0.6	74.6	72.6	629	1,244	8.67	10.2
<b>Age of Householder</b>							
Under 35 Years .....	0.7	83.1	80.8	719	1,683	8.90	13.3
35 to 59 Years .....	0.8	88.8	86.4	755	1,894	8.74	8.0
60 Years and Over .....	0.7	84.5	82.2	686	2,127	8.35	6.9
<b>Household Size</b>							
1 Person .....	0.6	60.3	58.6	495	1,282	8.44	11.7
2 to 4 Persons .....	1.5	94.5	91.9	803	2,145	8.74	8.3
5 or More Persons .....	0.1	95.8	93.2	789	1,820	8.46	17.2

See footnotes at end of table.

**Table 5. Natural Gas Consumption and Expenditures in Northeast Region Households, 1993 (Continued)**

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:	1.9	1.2	1.2	1.2	0.9	0.4	
<b>Middle Atlantic Division</b> .....	10.0	92.0	89.5	699	1,906	7.80	4.4
<b>Climate Zone:</b> <sup>1</sup>							
Under 2,000 CDD and							
Over 5,500 HDD .....	3.7	117.6	114.4	827	2,254	7.23	5.8
Under 5,500 HDD .....	6.3	76.9	74.8	623	1,701	8.32	5.3
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 .....	5.6	117.5	114.3	863	2,620	7.55	3.8
Mobile Home .....	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	4.4	60.0	58.4	493	1,007	8.44	8.6
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	3.4	54.4	53.0	441	739	8.33	5.6
1,000 to 1,999 .....	3.5	90.5	88.0	683	1,723	7.76	5.8
2,000 or More .....	3.2	133.4	129.7	988	3,341	7.62	4.9
<b>Ownership of Unit</b>							
Owned .....	5.9	114.7	111.6	848	2,539	7.60	4.2
Rented .....	4.1	59.7	58.1	486	1,003	8.36	7.1
<b>Year of Construction</b>							
1939 or Before .....	3.7	89.4	87.0	690	1,737	7.93	6.3
1940 to 1979 .....	5.2	97.2	94.6	729	2,008	7.71	7.0
1980 or After <sup>2</sup> .....	1.2	77.3	75.2	593	1,988	7.88	8.8
<b>1993 Family Income</b>							
Less than \$10,000 .....	1.8	72.5	70.6	547	1,282	7.75	7.5
\$10,000 to \$19,999 .....	2.0	94.5	91.9	675	1,545	7.35	9.6
\$20,000 to \$34,999 .....	2.1	80.5	78.3	626	1,662	7.99	5.6
\$35,000 to \$49,999 .....	1.9	90.0	87.5	700	2,131	8.00	6.1
\$50,000 or More .....	2.3	116.9	113.7	899	2,726	7.91	7.4
<b>Below Poverty Line</b>							
100 Percent .....	1.8	74.3	72.3	564	1,339	7.81	7.6
125 Percent .....	2.3	76.5	74.4	582	1,365	7.82	8.1
150 Percent .....	2.7	81.5	79.3	612	1,381	7.72	7.8
<b>Age of Householder</b>							
Under 35 Years .....	2.5	77.5	75.4	598	1,445	7.92	6.8
35 to 59 Years .....	4.1	96.9	94.2	748	2,168	7.94	5.5
60 Years and Over .....	3.4	96.8	94.2	713	1,928	7.57	7.3
<b>Household Size</b>							
1 Person .....	2.5	63.3	61.6	479	1,266	7.78	7.1
2 to 4 Persons .....	6.5	100.0	97.3	758	2,020	7.79	4.8
5 or More Persons .....	1.0	113.4	110.3	872	2,820	7.91	10.1

<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 F of the 1993 Residential Energy Consumption Survey.

**Table 6. Fuel Oil Consumption and Expenditures in Northeast Region 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:	2.0	1.2	1.2	1.3	1.0	0.3	

**Northeast Region**

<b>Total Region</b> .....	7.4	102.6	740	658	2,218	0.89	4.1
<b>Climate Zone:<sup>1</sup></b>							
Under 2,000 CDD and Over 5,500 HDD .....	4.0	110.6	798	716	2,503	0.90	4.7
Under 5,500 HDD .....	3.4	93.3	672	590	1,884	0.88	7.2
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 .....	4.8	120.0	865	797	2,791	0.92	4.1
Mobile Home .....	0.2	61.7	448	426	838	0.95	10.7
Multifamily (2 or more units) .....	2.3	70.4	508	393	1,160	0.77	6.5
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	1.9	56.7	409	316	820	0.77	5.1
1,000 to 1,999 .....	2.5	102.3	738	661	1,927	0.90	4.0
2,000 or More .....	3.0	132.4	955	875	3,365	0.92	4.5
<b>Ownership of Unit</b>							
Owned .....	4.9	118.1	852	782	2,677	0.92	3.8
Rented .....	2.4	71.0	512	405	1,284	0.79	5.4
<b>Year of Construction</b>							
1939 or Before .....	3.0	105.4	760	666	2,125	0.88	4.9
1940 to 1979 .....	3.6	102.5	739	663	2,189	0.90	5.7
1980 or After <sup>2</sup> .....	0.7	91.7	661	600	2,739	0.91	5.4
<b>1993 Family Income</b>							
Less than \$10,000 .....	1.0	80.7	582	489	1,592	0.84	7.8
\$10,000 to \$19,999 .....	1.2	101.1	729	622	1,827	0.85	7.1
\$20,000 to \$34,999 .....	1.6	103.1	744	655	2,110	0.88	9.1
\$35,000 to \$49,999 .....	1.7	93.7	675	603	2,317	0.89	5.8
\$50,000 or More .....	2.0	122.5	883	817	2,785	0.93	5.1
<b>Below Poverty Line</b>							
100 Percent .....	1.0	77.7	561	459	1,617	0.82	7.4
125 Percent .....	1.4	77.9	562	459	1,577	0.82	7.6
150 Percent .....	1.6	81.2	586	485	1,580	0.83	7.0
<b>Age of Householder</b>							
Under 35 Years .....	1.5	86.6	624	530	1,757	0.85	6.9
35 to 59 Years .....	3.8	99.6	718	649	2,357	0.90	4.4
60 Years and Over .....	2.1	119.0	858	761	2,287	0.89	6.6
<b>Household Size</b>							
1 Person .....	1.6	89.7	647	570	1,602	0.88	7.1
2 to 4 Persons .....	4.9	105.9	764	684	2,359	0.90	4.3
5 or More Persons .....	0.9	108.7	784	681	2,595	0.87	7.5

See footnotes at end of table.



**Table 6. Fuel Oil Consumption and Expenditures in Northeast Region Households, 1993 (Continued)**

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:	2.0	1.2	1.2	1.3	1.0	0.3	
<b>New England Division</b> .....	2.6	110.1	794	716	2,387	0.90	5.7
<b>Climate Zone:</b> <sup>1</sup>							
Under 2,000 CDD and Over 5,500 HDD .....	2.6	110.1	794	716	2,387	0.90	5.7
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	NF
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	120.0	866	787	2,772	0.91	5.2
Mobile Home .....	Q	72.3	524	505	882	0.96	Q
Multifamily (2 or more units) .....	0.6	84.4	608	524	1,398	0.86	15.8
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	0.6	65.8	475	406	913	0.86	10.4
1,000 to 1,999 .....	0.9	110.8	799	727	2,011	0.91	4.1
2,000 or More .....	1.1	133.6	963	875	3,493	0.91	6.1
<b>Ownership of Unit</b>							
Owned .....	2.0	116.9	843	766	2,697	0.91	4.9
Rented .....	0.7	89.4	646	566	1,448	0.88	10.6
<b>Year of Construction</b>							
1939 or Before .....	1.1	120.6	870	784	2,465	0.90	6.8
1940 to 1979 .....	1.2	104.3	753	677	2,168	0.90	6.8
1980 or After <sup>2</sup> .....	0.3	98.3	709	650	2,931	0.92	10.4
<b>1993 Family Income</b>							
Less than \$10,000 .....	0.2	96.3	695	651	1,642	0.94	9.0
\$10,000 to \$19,999 .....	0.6	111.5	804	713	1,984	0.89	8.5
\$20,000 to \$34,999 .....	0.5	102.1	737	653	2,237	0.89	10.5
\$35,000 to \$49,999 .....	0.6	102.5	739	670	2,509	0.91	5.6
\$50,000 or More .....	0.7	125.4	905	824	2,964	0.91	8.1
<b>Below Poverty Line</b>							
100 Percent .....	0.2	83.0	599	559	1,643	0.93	12.9
125 Percent .....	0.3	84.6	611	553	1,604	0.90	10.3
150 Percent .....	0.4	99.7	720	655	1,744	0.91	9.0
<b>Age of Householder</b>							
Under 35 Years .....	0.4	95.0	686	623	1,807	0.91	10.0
35 to 59 Years .....	1.3	103.5	747	673	2,499	0.90	5.5
60 Years and Over .....	0.9	127.4	919	827	2,514	0.90	6.3
<b>Household Size</b>							
1 Person .....	0.6	99.4	717	648	1,805	0.90	6.3
2 to 4 Persons .....	1.8	114.4	825	743	2,514	0.90	6.6
5 or More Persons .....	0.2	103.2	744	678	2,848	0.91	8.8

See footnotes at end of table.

**Table 6. Fuel Oil Consumption and Expenditures in Northeast Region Households, 1993 (Continued)**

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:	2.0	1.2	1.2	1.3	1.0	0.3	
<b>Middle Atlantic Division</b> .....	4.7	98.4	710	625	2,124	0.88	5.4
<b>Climate Zone:</b> <sup>1</sup>							
Under 2,000 CDD and							
Over 5,500 HDD .....	1.3	111.6	805	715	2,734	0.89	6.7
Under 5,500 HDD .....	3.4	93.3	672	590	1,884	0.88	7.2
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 .....	2.9	120.0	865	803	2,803	0.93	6.1
Mobile Home .....	0.1	49.2	359	334	786	0.93	10.4
Multifamily (2 or more units) .....	1.8	65.7	474	349	1,080	0.74	6.7
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	1.3	52.5	379	274	776	0.72	5.6
1,000 to 1,999 .....	1.6	97.4	702	623	1,878	0.89	5.9
2,000 or More .....	1.8	131.8	950	875	3,287	0.92	5.5
<b>Ownership of Unit</b>							
Owned .....	3.0	119.0	858	793	2,663	0.92	5.4
Rented .....	1.8	64.2	463	346	1,223	0.75	6.1
<b>Year of Construction</b>							
1939 or Before .....	2.0	97.2	701	602	1,939	0.86	6.5
1940 to 1979 .....	2.4	101.6	732	656	2,200	0.90	8.1
1980 or After <sup>2</sup> .....	0.4	86.0	620	556	2,573	0.90	5.6
<b>1993 Family Income</b>							
Less than \$10,000 .....	0.8	75.9	548	440	1,577	0.80	10.3
\$10,000 to \$19,999 .....	0.6	90.6	653	531	1,669	0.81	9.4
\$20,000 to \$34,999 .....	1.1	103.5	747	656	2,050	0.88	13.3
\$35,000 to \$49,999 .....	1.1	88.7	639	566	2,209	0.89	8.6
\$50,000 or More .....	1.2	120.7	870	814	2,680	0.93	5.4
<b>Below Poverty Line</b>							
100 Percent .....	0.8	76.5	552	436	1,611	0.79	8.4
125 Percent .....	1.1	76.0	548	433	1,570	0.79	8.8
150 Percent .....	1.2	75.1	542	428	1,526	0.79	8.4
<b>Age of Householder</b>							
Under 35 Years .....	1.0	82.9	597	488	1,734	0.82	8.7
35 to 59 Years .....	2.5	97.6	703	637	2,283	0.90	6.4
60 Years and Over .....	1.2	112.9	815	714	2,125	0.88	10.3
<b>Household Size</b>							
1 Person .....	1.1	84.3	608	527	1,490	0.87	11.4
2 to 4 Persons .....	3.0	100.8	727	648	2,265	0.89	4.6
5 or More Persons .....	0.6	110.7	798	683	2,503	0.86	10.5

<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. Kerosene Consumption and Expenditures in Northeast Region Households, 1993**

Characteristics	Households Using Kerosene (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factor:	1.9	1.6	1.6	1.6	0.9	0.1	
<b>Total Region</b> .....	0.8	25.3	187	193	1,771	1.03	10.2
New England Division .....	0.3	34.3	254	262	1,650	1.03	14.2
Middle Atlantic Division .....	0.5	21.0	155	160	1,828	1.03	13.4
<b>Climate Zone:</b> <sup>1</sup>							
Under 2,000 CDD and Over 5,500 HDD .....	0.6	29.1	215	224	1,828	1.04	11.3
Under 5,500 HDD .....	0.2	14.0	104	102	1,601	0.98	22.3
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 .....	0.4	17.6	130	138	2,472	1.06	13.6
Mobile Home .....	0.2	47.9	355	358	916	1.01	9.2
Multifamily (2 or more units) .....	0.1	9.2	68	72	1,194	1.06	19.6
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	0.4	32.4	240	244	868	1.01	11.6
1,000 to 1,999 .....	0.3	25.8	191	202	1,924	1.06	11.7
2,000 or More .....	0.2	Q	Q	Q	3,615	1.04	15.1
<b>Ownership of Unit</b>							
Owned .....	0.5	26.0	193	199	2,057	1.03	11.8
Rented .....	0.3	23.7	176	181	1,159	1.03	17.4
<b>Year of Construction</b>							
1939 or Before .....	0.3	19.2	142	149	1,637	1.05	15.8
1940 to 1979 .....	0.3	31.0	229	235	2,086	1.03	16.8
1980 or After <sup>2</sup> .....	0.2	27.3	202	207	1,600	1.02	14.4
<b>1993 Family Income</b>							
Less than \$10,000 .....	0.1	24.3	180	188	1,301	1.04	26.0
\$10,000 to \$19,999 .....	0.2	36.3	269	271	1,400	1.01	14.5
\$20,000 to \$34,999 .....	0.2	32.2	238	245	1,438	1.03	13.1
\$35,000 to \$49,999 .....	0.1	Q	Q	Q	2,696	1.08	23.7
\$50,000 or More .....	0.1	9.1	67	75	2,456	1.12	28.1
<b>Below Poverty Line</b>							
100 Percent .....	0.2	27.2	201	212	1,212	1.05	17.3
125 Percent .....	0.2	27.7	205	215	1,450	1.05	15.8
150 Percent .....	0.2	25.5	189	198	1,503	1.05	15.3
<b>Age of Householder</b>							
Under 35 Years .....	0.2	21.6	160	172	1,374	1.07	12.6
35 to 59 Years .....	0.4	22.7	168	170	1,708	1.01	11.1
60 Years and Over .....	0.2	36.5	271	280	2,389	1.04	19.5
<b>Household Size</b>							
1 Person .....	0.2	40.8	303	302	1,142	1.00	19.3
2 to 4 Persons .....	0.6	23.0	170	177	1,881	1.04	12.5
5 or More Persons .....	Q	Q	Q	Q	Q	Q	NF

<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: • Data in the New England and Middle Atlantic Divisions are not presented separately due to a scarcity of data. • 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 8. Liquefied Petroleum Gas Consumption and Expenditures in Northeast Region Households, 1993**

Characteristics	Households Using LPG (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factor:	1.3	1.5	1.5	1.2	0.5	0.6	
<b>Total Region</b> .....	1.2	20.6	226	286	1,971	1.27	13.7
New England Division .....	0.6	23.8	260	310	1,905	1.19	18.7
Middle Atlantic Division .....	0.7	17.9	196	266	2,026	1.36	15.8
<b>Climate Zone:</b> <sup>1</sup>							
Under 2,000 CDD and Over 5,500 HDD .....	1.0	22.3	244	301	1,943	1.23	14.5
Under 5,500 HDD .....	0.2	10.5	115	202	2,132	1.75	20.6
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 .....	0.8	21.7	238	297	2,317	1.25	17.2
Mobile Home .....	0.3	13.7	150	222	814	1.48	18.9
Multifamily (2 or more units) .....	0.1	27.6	302	347	2,126	1.15	29.2
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	0.4	23.6	258	329	863	1.27	15.3
1,000 to 1,999 .....	0.5	Q	Q	250	1,915	1.20	18.5
2,000 or More .....	0.4	19.5	213	288	3,213	1.35	18.0
<b>Ownership of Unit</b>							
Owned .....	0.9	21.4	234	306	2,067	1.31	14.0
Rented .....	0.3	18.4	201	232	1,702	1.15	21.1
<b>Year of Construction</b>							
1939 or Before .....	0.5	14.1	155	220	2,304	1.42	11.6
1940 to 1979 .....	0.4	15.6	171	254	1,638	1.49	16.8
1980 or After <sup>2</sup> .....	0.3	37.5	410	432	1,928	1.05	21.8
<b>1993 Family Income</b>							
Less than \$10,000 .....	0.2	12.1	132	182	1,332	1.37	25.8
\$10,000 to \$19,999 .....	0.2	15.3	167	215	1,548	1.29	18.2
\$20,000 to \$34,999 .....	0.4	18.8	206	292	1,945	1.42	19.5
\$35,000 to \$49,999 .....	0.2	26.7	293	350	2,324	1.20	19.0
\$50,000 or More .....	0.2	30.8	337	379	2,673	1.12	24.8
<b>Below Poverty Line</b>							
100 Percent .....	0.2	8.1	88	139	1,549	1.58	19.7
125 Percent .....	0.2	7.8	85	132	1,450	1.54	14.7
150 Percent .....	0.3	10.8	118	160	1,427	1.36	21.6
<b>Age of Householder</b>							
Under 35 Years .....	0.3	22.8	249	302	2,234	1.21	16.4
35 to 59 Years .....	0.7	20.8	228	301	1,925	1.32	15.0
60 Years and Over .....	0.3	17.7	194	231	1,824	1.19	28.0
<b>Household Size</b>							
1 Person .....	0.3	19.7	215	273	1,203	1.27	21.5
2 to 4 Persons .....	0.9	21.5	236	294	2,158	1.25	14.2
5 or More Persons .....	Q	Q	Q	Q	Q	Q	NF

<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: • Data in the New England and Middle Atlantic Divisions are not presented separately due to a scarcity of data. • 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 D of the 1993 Residential Energy Consumption Survey.

**Table 9. Wood Consumption in Northeast Region Households,  
December 1992 through November 1993**

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:	0.6	1.1	1.1	0.8	0.8	1.0	1.4	1.4	1.0	1.0	
<b>Total Region</b> .....	3.4	0.14	7.1	41.1	2.1	0.5	0.06	3.0	132.3	6.6	20.5
New England Division .....	1.1	0.05	2.3	44.1	2.2	0.2	0.02	1.0	105.4	5.3	17.0
Middle Atlantic Division .....	2.4	0.10	4.8	39.8	2.0	0.3	0.04	2.0	152.6	7.6	29.2
<b>Climate Zone<sup>1</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	2.3	0.12	6.1	53.9	2.7	0.4	0.06	2.8	141.9	7.1	22.9
Under 5,500 HDD .....	1.2	0.02	0.9	16.1	0.8	Q	Q	Q	Q	Q	32.1
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 .....	3.3	0.14	6.8	40.9	2.0	0.4	0.06	2.8	133.0	6.7	20.3
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 .....	0.2	0.01	0.4	39.3	2.0	Q	Q	Q	Q	Q	29.7
1,000 to 1,999 .....	0.7	0.05	2.4	64.6	3.2	0.1	Q	Q	160.7	8.0	35.4
2,000 or More .....	2.5	0.09	4.3	34.3	1.7	0.3	0.03	1.7	121.4	6.1	15.8
<b>Ownership of Unit</b>											
Owned .....	3.3	0.13	6.4	39.0	1.9	0.4	0.05	2.6	127.0	6.3	18.5
Rented .....	0.2	Q	Q	82.0	4.1	Q	Q	Q	Q	Q	55.3
<b>Year of Construction</b>											
1939 or Before .....	0.8	0.05	2.7	67.7	3.4	0.1	0.02	1.1	189.8	9.5	32.1
1940 to 1979 .....	1.9	0.06	3.1	32.3	1.6	0.2	0.02	1.1	107.0	5.4	21.7
1980 or After <sup>2</sup> .....	0.7	0.03	1.3	35.3	1.8	0.1	0.02	0.8	119.2	6.0	21.0
<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 .....	0.4	0.03	1.5	69.6	3.5	Q	Q	Q	Q	Q	38.8
\$20,000 to \$34,999 .....	0.6	0.03	1.5	48.2	2.4	0.1	Q	Q	Q	Q	28.4
\$35,000 to \$49,999 .....	0.7	0.03	1.6	43.9	2.2	0.1	0.02	0.8	124.4	6.2	16.5
\$50,000 or More .....	1.6	0.04	1.8	23.2	1.2	0.1	0.01	0.6	77.3	3.9	20.0
<b>Below Poverty Line</b>											
100 Percent .....	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	46.8
125 Percent .....	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	39.8
150 Percent .....	0.4	Q	Q	93.2	4.7	Q	Q	Q	Q	Q	51.6
<b>Age of Householder</b>											
Under 35 Years .....	0.5	0.02	0.8	30.8	1.5	Q	Q	Q	Q	Q	24.7
35 to 59 Years .....	2.1	0.10	4.9	46.5	2.3	0.3	0.05	2.4	141.5	7.1	24.8
60 Years and Over .....	0.8	0.03	1.4	34.0	1.7	Q	Q	Q	Q	Q	26.7
<b>Household Size</b>											
1 Person .....	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	35.9
2 to 4 Persons .....	2.6	0.11	5.3	40.4	2.0	0.4	0.05	2.3	130.2	6.5	19.0
5 or More Persons .....	0.4	0.03	1.4	60.9	3.0	Q	Q	Q	Q	Q	32.4

See footnotes at end of table.

**Table 9. Wood Consumption in Northeast Region Households, December 1992 through November 1993 (Continued)**

Characteristics	Households Using Wood					Wood Used as Main Space-Heating Fuel					RSE Row Factors
	Households (mil-lions)	Consumption				Households (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:	0.6	1.1	1.1	0.8	0.8	1.0	1.4	1.4	1.0	1.0	
<b>Main Heating Fuel</b>											
Natural Gas .....	1.1	0.02	0.9	16.7	0.8	--	--	--	--	--	37.6
Electricity .....	0.3	0.01	0.4	22.6	1.1	--	--	--	--	--	28.0
Fuel Oil or Kerosene .....	1.5	0.06	2.8	36.2	1.8	--	--	--	--	--	22.1
Wood .....	0.5	0.06	3.0	132.3	6.6	0.5	0.06	3.0	132.3	6.6	25.7
Heating Stove .....	0.4	0.05	2.3	125.4	6.3	0.4	0.05	2.3	125.4	6.3	23.0
Fireplace .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Furnace/Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
LPG .....	Q	Q	Q	Q	Q	--	--	--	--	--	NF
Other .....	Q	Q	Q	Q	Q	--	--	--	--	--	NF
<b>Secondary Heating Equipment Used</b>											
Used .....	0.1	0.02	0.9	140.1	7.0	0.1	0.02	0.9	161.8	8.1	25.5
<b>Amount of Wood Burned in Past 12 Months</b>											
Less than one-half Cord .....	1.4	(*)	0.2	3.2	0.2	Q	Q	Q	Q	Q	13.1
One-half to Less than 1 .....	0.7	0.01	0.4	12.1	0.6	Q	Q	Q	Q	Q	7.5
1 to Less than 2 .....	0.2	0.01	0.3	21.5	1.1	Q	Q	Q	Q	Q	14.3
2 to 4 Cords .....	0.5	0.03	1.5	55.9	2.8	Q	Q	Q	Q	Q	11.2
More than 4 Cords .....	0.5	0.09	4.7	174.6	8.7	0.3	0.05	2.7	172.6	8.6	25.3
<b>Purchased Firewood</b>											
Yes .....	1.2	0.09	4.3	70.3	3.5	0.3	0.04	2.1	168.1	8.4	24.8
No .....	2.2	0.06	2.8	25.3	1.3	0.2	0.02	0.9	95.6	4.8	16.5

<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.

-- = 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: • Data in the New England and Middle Atlantic Divisions are not presented separately due to a scarcity of data. • 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 10. Average Expenditures for Major Energy Sources in Northeast Region 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
	RSE Column Factor:	0.9	0.9	0.7	0.5	0.8	
<b>Northeast Region</b>							
<b>Total Region</b> .....	12.5	33.5	7.7	6.4	7.6	13.9	2.1
<b>Climate Zone<sup>2</sup></b>							
Under 2,000 CDD and Over 5,500 HDD .....	12.1	31.0	7.5	6.5	7.7	13.5	2.8
Under 5,500 HDD .....	13.0	37.6	8.1	6.3	7.3	19.2	3.6
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 .....	12.4	32.4	7.5	6.6	7.9	13.7	2.4
Mobile Home .....	15.6	32.6	Q	6.9	7.5	16.1	3.7
Multifamily (2 or more units) .....	12.4	37.4	8.3	5.6	7.8	12.6	3.7
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	13.0	36.9	8.2	5.6	7.5	13.9	2.6
1,000 to 1,999 .....	12.4	33.2	7.8	6.5	7.8	13.1	3.2
2,000 or More .....	12.3	32.6	7.5	6.6	7.7	14.8	2.7
<b>Ownership of Unit</b>							
Owned .....	12.4	32.8	7.5	6.6	7.6	14.3	2.3
Rented .....	12.7	35.7	8.2	5.7	7.6	12.6	3.3
<b>Year of Construction</b>							
1939 or Before .....	11.3	34.8	7.9	6.3	7.8	15.6	2.3
1940 to 1979 .....	12.6	33.9	7.6	6.5	7.6	16.3	2.8
1980 or After <sup>3</sup> .....	15.3	30.9	7.9	6.5	7.6	11.5	3.2
<b>1993 Family Income</b>							
Less than \$10,000 .....	12.1	35.7	7.7	6.1	7.7	15.0	3.7
\$10,000 to \$19,999 .....	11.4	33.3	7.4	6.2	7.5	14.1	3.1
\$20,000 to \$34,999 .....	12.8	33.5	7.9	6.4	7.6	15.5	2.7
\$35,000 to \$49,999 .....	12.9	32.3	7.9	6.4	8.0	13.1	3.0
\$50,000 or More .....	12.7	33.8	7.8	6.7	8.3	12.3	3.7
<b>Below Poverty Line</b>							
100 Percent .....	12.3	35.1	7.7	5.9	7.8	17.2	2.9
125 Percent .....	12.3	34.9	7.8	5.9	7.8	16.9	2.9
150 Percent .....	12.2	34.1	7.7	6.0	7.8	14.9	2.9
<b>Age of Householder</b>							
Under 35 Years .....	12.9	33.3	7.9	6.1	8.0	13.3	2.7
35 to 59 Years .....	13.1	33.4	7.8	6.5	7.5	14.4	2.5
60 Years and Over .....	11.3	34.1	7.5	6.4	7.7	13.0	3.5
<b>Household Size</b>							
1 Person .....	11.9	35.4	7.7	6.4	7.4	13.9	3.3
2 to 4 Persons .....	12.5	33.0	7.7	6.5	7.7	13.6	2.5
5 or More Persons .....	13.5	34.3	7.7	6.3	Q	Q	3.6

See footnotes at end of table.

**Table 10. Average Expenditures for Major Energy Sources in Northeast Region Households, 1993 (Continued)**

(Dollars per Million Btu)

Characteristics	Major Energy Sources <sup>1</sup>	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
	0.9	0.9	0.7	0.5	0.8	3.7	
<b>New England Division</b> .....	12.4	33.1	8.4	6.5	7.6	13.0	2.8
<b>Climate Zone<sup>2</sup></b>							
Under 2,000 CDD and							
Over 5,500 HDD .....	12.4	33.1	8.4	6.5	7.6	13.0	2.8
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	NF
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 .....	12.5	32.9	8.4	6.6	7.8	12.7	3.9
Mobile Home .....	15.9	33.4	Q	7.0	7.5	18.0	9.6
Multifamily (2 or more units) .....	11.9	34.1	8.4	6.2	Q	Q	4.2
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	13.1	33.9	8.4	6.2	7.5	13.2	3.9
1,000 to 1,999 .....	12.8	33.3	8.8	6.6	7.8	12.0	4.2
2,000 or More .....	11.9	32.6	8.1	6.6	Q	15.8	2.9
<b>Ownership of Unit</b>							
Owned .....	12.4	33.0	8.5	6.6	7.6	14.1	3.0
Rented .....	12.5	33.5	8.4	6.3	Q	11.0	4.3
<b>Year of Construction</b>							
1939 or Before .....	11.3	32.8	8.6	6.5	Q	14.4	2.6
1940 to 1979 .....	12.7	33.2	8.2	6.5	7.7	15.6	3.4
1980 or After <sup>3</sup> .....	15.2	33.6	8.8	6.6	7.3	Q	4.7
<b>1993 Family Income</b>							
Less than \$10,000 .....	11.9	34.1	8.5	6.8	Q	13.6	3.4
\$10,000 to \$19,999 .....	11.6	34.5	8.6	6.4	Q	16.2	4.5
\$20,000 to \$34,999 .....	13.2	33.5	8.4	6.4	Q	14.1	3.3
\$35,000 to \$49,999 .....	13.2	32.8	8.6	6.5	Q	12.2	4.2
\$50,000 or More .....	12.3	32.3	8.3	6.6	Q	Q	3.4
<b>Below Poverty Line</b>							
100 Percent .....	12.6	33.6	8.3	6.7	Q	Q	5.1
125 Percent .....	12.5	34.0	8.5	6.5	Q	18.0	4.5
150 Percent .....	12.4	33.7	8.4	6.6	Q	14.4	4.1
<b>Age of Householder</b>							
Under 35 Years .....	13.0	33.3	8.7	6.6	Q	12.9	4.9
35 to 59 Years .....	13.1	33.2	8.5	6.5	7.5	13.6	2.7
60 Years and Over .....	11.3	32.9	8.1	6.5	Q	12.0	4.4
<b>Household Size</b>							
1 Person .....	11.6	34.3	8.2	6.5	Q	13.0	2.7
2 to 4 Persons .....	12.4	32.9	8.5	6.5	7.6	12.8	3.6
5 or More Persons .....	14.5	32.8	8.2	6.6	Q	Q	5.9

See footnotes at end of table.



**Table 10. Average Expenditures for Major Energy Sources in Northeast Region Households, 1993 (Continued)**

(Dollars per Million Btu)

Characteristics	Major Energy Sources <sup>1</sup>	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
	0.9	0.9	0.7	0.5	0.8	3.7	
<b>Middle Atlantic Division</b> .....	12.5	33.7	7.6	6.4	7.6	14.9	2.5
<b>Climate Zone<sup>2</sup></b>							
Under 2,000 CDD and							
Over 5,500 HDD .....	11.8	29.4	7.0	6.4	7.8	14.0	3.2
Under 5,500 HDD .....	13.0	37.6	8.1	6.3	7.3	19.2	3.6
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 .....	12.4	32.3	7.3	6.7	8.0	14.8	3.3
Mobile Home .....	15.4	32.0	Q	6.8	7.5	15.0	4.4
Multifamily (2 or more units) .....	12.6	38.6	8.2	5.3	Q	Q	4.3
<b>Heated Floorspace (square feet)</b>							
Fewer than 1,000 .....	13.0	38.4	8.1	5.2	7.5	14.7	3.5
1,000 to 1,999 .....	12.2	33.1	7.5	6.4	7.9	16.4	4.3
2,000 or More .....	12.5	32.5	7.4	6.6	7.7	14.3	4.6
<b>Ownership of Unit</b>							
Owned .....	12.4	32.8	7.4	6.7	7.7	14.4	2.9
Rented .....	12.8	36.6	8.1	5.4	7.6	18.4	3.4
<b>Year of Construction</b>							
1939 or Before .....	11.3	35.8	7.7	6.2	7.7	17.6	3.9
1940 to 1979 .....	12.6	34.1	7.5	6.5	7.4	17.1	4.4
1980 or After <sup>3</sup> .....	15.3	30.0	7.7	6.5	7.7	12.7	3.4
<b>1993 Family Income</b>							
Less than \$10,000 .....	12.1	36.2	7.5	5.8	Q	Q	4.5
\$10,000 to \$19,999 .....	11.4	32.8	7.1	5.9	7.4	13.4	3.9
\$20,000 to \$34,999 .....	12.7	33.5	7.8	6.3	7.6	19.0	3.5
\$35,000 to \$49,999 .....	12.8	32.1	7.8	6.4	8.5	14.0	4.6
\$50,000 or More .....	12.9	34.4	7.7	6.7	Q	13.5	4.1
<b>Below Poverty Line</b>							
100 Percent .....	12.2	35.4	7.6	5.7	7.7	Q	3.7
125 Percent .....	12.2	35.1	7.6	5.7	7.7	15.8	3.7
150 Percent .....	12.1	34.2	7.5	5.7	7.7	15.8	3.7
<b>Age of Householder</b>							
Under 35 Years .....	12.8	33.3	7.7	5.9	8.0	13.4	3.3
35 to 59 Years .....	13.1	33.4	7.7	6.5	7.5	15.3	3.4
60 Years and Over .....	11.3	34.6	7.4	6.3	Q	Q	4.8
<b>Household Size</b>							
1 Person .....	11.9	35.8	7.6	6.2	Q	Q	5.1
2 to 4 Persons .....	12.5	33.0	7.6	6.4	7.8	14.3	2.6
5 or More Persons .....	13.2	34.8	7.7	6.2	Q	Q	4.5

<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 11. Total Consumption and Expenditures by End Uses in Northeast Region Households, 1993**

Characteristics	Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	
	1.0 <sup>1</sup>	0.9 <sup>1</sup>	1.8 <sup>1</sup>	1.8 <sup>1</sup>	0.9 <sup>1</sup>	0.7 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.8 <sup>1</sup>	

**Northeast Region**

<b>Total Region</b> .....	1,487.5	11.39	40.0	1.39	428.4	4.17	75.3	2.66	352.2	10.10	3.6
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	897.1	6.85	17.1	0.51	232.8	2.50	43.3	1.40	204.7	5.63	5.2
Under 5,500 HDD .....	590.5	4.54	22.9	0.88	195.5	1.67	32.0	1.26	147.5	4.47	6.9
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 .....	1,105.5	8.37	30.0	1.01	267.1	2.71	52.3	1.76	259.1	7.39	5.4
Mobile Home .....	31.3	0.25	Q	Q	4.6	0.14	1.8	0.06	8.5	0.26	35.4
Multifamily (2 or more units) .....	350.7	2.78	8.9	0.35	156.6	1.32	21.2	0.84	84.6	2.45	7.4
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	252.2	2.04	6.5	0.24	113.3	1.06	17.4	0.68	67.6	1.94	5.8
1,000 to 1,999 .....	503.6	3.91	11.2	0.39	149.4	1.45	25.6	0.88	118.1	3.35	8.2
2,000 or More .....	731.6	5.44	22.2	0.77	165.6	1.65	32.3	1.10	166.6	4.82	8.1
<b>Ownership of Unit</b>											
Owned .....	1,135.8	8.58	31.6	1.07	273.2	2.76	53.1	1.81	260.9	7.50	4.3
Rented .....	351.7	2.82	8.4	0.32	155.1	1.41	22.2	0.84	91.3	2.60	5.5
<b>Year of Construction</b>											
1939 or Before .....	586.3	4.23	7.8	0.28	151.2	1.38	24.0	0.87	115.1	3.26	11.8
1940 to 1979 .....	744.9	5.71	23.0	0.82	217.6	2.05	39.8	1.42	181.4	5.25	9.5
1980 or After <sup>3</sup> .....	156.3	1.45	9.2	0.29	59.6	0.74	11.5	0.37	55.7	1.60	11.8
<b>1993 Family Income</b>											
Less than \$10,000 .....	185.9	1.42	3.3	0.12	57.8	0.54	10.7	0.40	40.1	1.12	10.7
\$10,000 to \$19,999 .....	271.7	1.99	4.3	0.14	74.1	0.70	13.0	0.45	52.2	1.46	11.2
\$20,000 to \$34,999 .....	293.0	2.31	7.6	0.28	81.6	0.82	15.1	0.54	68.6	2.01	9.6
\$35,000 to \$49,999 .....	276.4	2.11	7.1	0.23	88.4	0.91	15.0	0.52	75.9	2.20	8.9
\$50,000 or More .....	460.5	3.56	17.6	0.62	126.4	1.19	21.4	0.75	115.4	3.32	7.6
<b>Below Poverty Line</b>											
100 Percent .....	180.2	1.38	3.4	0.12	67.0	0.62	10.7	0.39	46.4	1.27	9.1
125 Percent .....	240.4	1.81	4.7	0.17	86.9	0.82	14.0	0.51	60.7	1.68	7.8
150 Percent .....	299.1	2.27	5.5	0.19	106.7	1.00	17.1	0.62	74.5	2.06	7.6
<b>Age of Householder</b>											
Under 35 Years .....	280.1	2.27	6.9	0.24	111.1	1.09	15.6	0.56	76.4	2.14	7.7
35 to 59 Years .....	665.9	5.13	22.9	0.80	213.5	2.15	35.1	1.23	185.9	5.38	6.6
60 Years and Over .....	541.5	3.99	10.2	0.35	103.8	0.93	24.5	0.87	90.0	2.58	7.3
<b>Household Size</b>											
1 Person .....	296.7	2.30	6.6	0.22	61.0	0.57	15.9	0.59	44.8	1.37	6.8
2 to 4 Persons .....	1,039.3	7.97	27.1	0.93	302.8	2.99	50.7	1.77	252.8	7.17	4.0
5 or More Persons .....	151.5	1.13	6.2	0.24	64.6	0.61	8.6	0.31	54.7	1.57	18.5

See footnotes at end of table.

**Table 11. Total Consumption and Expenditures by End Uses in Northeast Region Households, 1993 (Continued)**

Characteristics	Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	
	1.0 <sup>1</sup>	0.9 <sup>1</sup>	1.8 <sup>1</sup>	1.8 <sup>1</sup>	0.9 <sup>1</sup>	0.7 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.8 <sup>1</sup>	
<b>New England Division</b> .....	402.0	3.12	7.6	0.24	106.3	1.17	18.9	0.64	88.9	2.60	6.7
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	402.0	3.12	7.6	0.24	106.3	1.17	18.9	0.64	88.9	2.60	6.7
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	290.3	2.21	5.4	0.17	66.8	0.76	12.7	0.42	64.0	1.93	10.7
Mobile Home .....	Q	0.10	Q	Q	2.2	Q	0.7	0.02	3.7	0.12	48.3
Multifamily (2 or more units) .....	98.7	0.81	2.0	0.06	37.4	0.35	5.5	0.19	21.2	0.55	14.3
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	78.5	0.65	1.9	0.05	31.4	0.35	5.3	0.19	20.0	0.56	7.3
1,000 to 1,999 .....	139.7	1.14	1.6	0.05	37.3	0.42	6.5	0.22	30.9	0.93	12.6
2,000 or More .....	183.8	1.34	4.1	0.13	37.6	0.40	7.0	0.23	38.0	1.11	13.3
<b>Ownership of Unit</b>											
Owned .....	295.1	2.21	6.1	0.19	66.9	0.77	12.9	0.43	64.4	1.94	8.6
Rented .....	107.0	0.91	1.5	0.05	39.4	0.41	6.0	0.21	24.5	0.66	7.7
<b>Year of Construction</b>											
1939 or Before .....	185.1	1.36	2.3	0.07	39.7	0.44	6.7	0.23	35.5	0.96	13.0
1940 to 1979 .....	167.7	1.32	3.6	0.11	50.5	0.52	9.2	0.31	38.5	1.16	8.8
1980 or After <sup>3</sup> .....	49.3	0.44	1.7	0.06	16.1	0.21	3.0	0.10	15.0	0.48	15.0
<b>1993 Family Income</b>											
Less than \$10,000 .....	43.6	0.36	0.5	0.02	12.2	0.13	2.2	0.08	7.6	0.21	15.2
\$10,000 to \$19,999 .....	81.0	0.60	0.6	0.02	21.0	0.23	3.4	0.12	13.9	0.42	13.5
\$20,000 to \$34,999 .....	69.4	0.57	1.1	0.04	18.8	0.23	3.2	0.11	15.9	0.49	11.8
\$35,000 to \$49,999 .....	74.1	0.57	1.4	0.04	21.9	0.26	4.2	0.14	20.0	0.59	13.7
\$50,000 or More .....	134.0	1.03	4.0	0.12	32.4	0.33	5.9	0.20	31.5	0.88	15.7
<b>Below Poverty Line</b>											
100 Percent .....	38.9	0.32	0.5	0.02	14.3	0.16	2.2	0.08	9.1	0.24	16.0
125 Percent .....	51.4	0.42	0.6	0.02	18.1	0.21	2.7	0.10	11.6	0.32	14.1
150 Percent .....	68.2	0.55	0.7	0.02	23.5	0.26	3.5	0.12	15.1	0.43	13.2
<b>Age of Householder</b>											
Under 35 Years .....	76.0	0.64	1.1	0.04	27.5	0.30	3.9	0.13	19.0	0.54	13.0
35 to 59 Years .....	172.2	1.31	4.0	0.12	52.4	0.60	8.7	0.29	45.5	1.36	7.2
60 Years and Over .....	153.9	1.16	2.5	0.08	26.3	0.27	6.2	0.21	24.5	0.69	8.9
<b>Household Size</b>											
1 Person .....	85.8	0.69	1.8	0.05	15.6	0.16	3.9	0.14	11.4	0.34	10.5
2 to 4 Persons .....	289.2	2.21	5.3	0.17	79.1	0.86	13.3	0.45	67.1	1.95	9.6
5 or More Persons .....	27.1	0.22	0.6	0.02	11.6	0.15	1.7	0.06	10.4	0.30	17.1

See footnotes at end of table.

**Table 11. Total Consumption and Expenditures by End Uses in Northeast Region Households, 1993 (Continued)**

Characteristics	Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	
	1.0 <sup>1</sup>	0.9 <sup>1</sup>	1.8 <sup>1</sup>	1.8 <sup>1</sup>	0.9 <sup>1</sup>	0.7 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.8 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	1,085.5	8.27	32.3	1.15	322.1	3.00	56.4	2.02	263.3	7.51	4.2
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	495.0	3.73	9.4	0.27	126.5	1.32	24.4	0.76	115.8	3.04	6.7
Under 5,500 HDD .....	590.5	4.54	22.9	0.88	195.5	1.67	32.0	1.26	147.5	4.47	6.9
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 .....	815.2	6.16	24.6	0.84	200.3	1.95	39.6	1.33	195.1	5.47	5.9
Mobile Home .....	18.2	0.14	Q	Q	2.5	0.08	1.1	0.03	4.8	0.14	48.0
Multifamily (2 or more units) .....	252.0	1.97	6.9	0.29	119.2	0.97	15.8	0.65	63.4	1.90	8.3
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	173.7	1.39	4.6	0.18	81.9	0.71	12.0	0.49	47.6	1.38	7.7
1,000 to 1,999 .....	363.9	2.77	9.6	0.34	112.2	1.03	19.0	0.66	87.2	2.42	9.9
2,000 or More .....	547.9	4.10	18.1	0.63	127.9	1.25	25.3	0.86	128.6	3.71	9.3
<b>Ownership of Unit</b>											
Owned .....	840.8	6.36	25.5	0.88	206.3	1.99	40.2	1.38	196.5	5.57	4.8
Rented .....	244.7	1.91	6.9	0.27	115.8	1.00	16.2	0.63	66.8	1.94	7.2
<b>Year of Construction</b>											
1939 or Before .....	401.2	2.87	5.5	0.21	111.5	0.94	17.3	0.64	79.7	2.30	15.8
1940 to 1979 .....	577.2	4.39	19.4	0.71	167.1	1.53	30.6	1.10	142.9	4.09	11.8
1980 or After <sup>3</sup> .....	107.0	1.01	7.4	0.23	43.5	0.53	8.5	0.27	40.8	1.12	14.7
<b>1993 Family Income</b>											
Less than \$10,000 .....	142.4	1.06	2.8	0.10	45.6	0.42	8.5	0.32	32.4	0.91	13.0
\$10,000 to \$19,999 .....	190.7	1.39	3.7	0.12	53.2	0.47	9.7	0.33	38.3	1.04	14.1
\$20,000 to \$34,999 .....	223.6	1.74	6.5	0.24	62.8	0.60	11.9	0.43	52.7	1.51	11.8
\$35,000 to \$49,999 .....	202.3	1.54	5.7	0.19	66.5	0.65	10.8	0.38	56.0	1.61	10.6
\$50,000 or More .....	326.5	2.54	13.7	0.50	94.0	0.86	15.5	0.56	83.9	2.44	8.3
<b>Below Poverty Line</b>											
100 Percent .....	141.3	1.05	2.9	0.10	52.7	0.46	8.5	0.32	37.3	1.03	11.1
125 Percent .....	189.0	1.39	4.1	0.15	68.8	0.61	11.3	0.42	49.1	1.36	9.3
150 Percent .....	230.9	1.71	4.7	0.17	83.2	0.75	13.6	0.50	59.4	1.63	8.9
<b>Age of Householder</b>											
Under 35 Years .....	204.1	1.63	5.8	0.20	83.6	0.79	11.7	0.43	57.4	1.60	9.3
35 to 59 Years .....	493.8	3.82	18.9	0.68	161.0	1.55	26.4	0.94	140.4	4.01	8.4
60 Years and Over .....	387.6	2.83	7.7	0.28	77.5	0.66	18.3	0.65	65.5	1.89	9.3
<b>Household Size</b>											
1 Person .....	211.0	1.61	4.9	0.17	45.3	0.41	12.0	0.45	33.3	1.02	8.3
2 to 4 Persons .....	750.1	5.76	21.8	0.76	223.7	2.13	37.4	1.32	185.7	5.22	3.9
5 or More Persons .....	124.4	0.91	5.6	0.22	53.0	0.46	6.9	0.25	44.3	1.27	22.0

<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. • 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 12. Consumption by End Uses, per Northeast Region Households, 1993**

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	
	1.0	0.8	1.0	0.9 <sup>1</sup>	1.6	1.7 <sup>1</sup>	1.0	0.9 <sup>1</sup>	1.0	0.8 <sup>1</sup>	1.0	0.8 <sup>1</sup>	

**Northeast Region**

<b>Total Region</b> .....	19.5	122.4	19.1	77.7	10.9	3.7	19.3	22.2	19.4	3.9	19.5	18.1	3.5
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	11.2	124.4	11.0	81.8	5.4	3.2	11.1	20.9	11.2	3.9	11.2	18.3	3.4
Under 5,500 HDD .....	8.3	119.6	8.2	72.1	5.6	4.1	8.1	24.0	8.2	3.9	8.3	17.9	3.9
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 .....	11.9	143.9	11.7	94.7	6.8	4.4	11.8	22.6	11.9	4.4	11.9	21.8	3.8
Mobile Home .....	0.5	87.2	0.5	58.7	0.3	3.8	0.5	8.6	0.5	3.3	0.5	15.7	16.8
Multifamily (2 or more units) .....	7.0	88.5	6.9	50.5	3.9	2.3	6.9	22.6	7.0	3.0	7.0	12.0	5.1
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	5.8	78.3	5.7	44.0	2.9	2.2	5.7	19.9	5.8	3.0	5.8	11.6	5.0
1,000 to 1,999 .....	6.8	118.5	6.7	74.8	3.8	2.9	6.8	22.0	6.8	3.8	6.8	17.3	5.3
2,000 or More .....	6.8	163.9	6.7	109.5	4.2	5.3	6.8	24.5	6.8	4.7	6.8	24.4	5.2
<b>Ownership of Unit</b>													
Owned .....	12.3	143.0	12.1	94.2	7.2	4.4	12.2	22.4	12.3	4.3	12.3	21.3	3.1
Rented .....	7.2	87.3	7.1	49.6	3.7	2.3	7.1	22.0	7.1	3.1	7.2	12.7	4.0
<b>Year of Construction</b>													
1939 or Before .....	6.7	131.5	6.6	89.2	3.0	2.6	6.6	23.0	6.7	3.6	6.7	17.1	7.2
1940 to 1979 .....	9.7	124.1	9.6	77.5	5.9	3.9	9.7	22.5	9.7	4.1	9.7	18.7	5.8
1980 or After <sup>3</sup> .....	3.0	96.5	3.0	52.7	2.1	4.4	3.0	19.7	3.0	3.8	3.0	18.4	8.0
<b>1993 Family Income</b>													
Less than \$10,000 .....	3.0	98.0	3.0	62.6	1.3	2.5	3.0	19.5	3.0	3.6	3.0	13.2	6.6
\$10,000 to \$19,999 .....	3.7	111.8	3.6	75.1	1.7	2.5	3.7	20.1	3.7	3.5	3.7	14.0	8.2
\$20,000 to \$34,999 .....	4.1	114.4	4.1	72.1	2.2	3.5	4.1	20.1	4.0	3.7	4.1	16.9	6.5
\$35,000 to \$49,999 .....	3.8	121.6	3.7	75.1	2.4	3.0	3.8	23.5	3.8	3.9	3.8	20.0	6.8
\$50,000 or More .....	4.8	152.9	4.8	95.6	3.3	5.3	4.8	26.3	4.8	4.4	4.8	23.8	5.9
<b>Below Poverty Line</b>													
100 Percent .....	3.0	102.3	2.9	61.9	1.3	2.7	2.9	22.8	3.0	3.6	3.0	15.4	5.9
125 Percent .....	3.9	104.0	3.8	63.5	1.8	2.7	3.8	22.6	3.9	3.6	3.9	15.5	5.6
150 Percent .....	4.7	106.9	4.6	65.5	2.1	2.7	4.6	23.1	4.7	3.7	4.7	15.8	5.9
<b>Age of Householder</b>													
Under 35 Years .....	4.7	104.9	4.6	60.9	2.4	2.9	4.6	24.2	4.6	3.4	4.7	16.4	5.2
35 to 59 Years .....	8.8	127.4	8.6	77.3	5.2	4.4	8.7	24.5	8.8	4.0	8.8	21.1	4.5
60 Years and Over .....	6.0	128.5	5.9	91.2	3.3	3.1	6.0	17.4	6.0	4.1	6.0	15.0	5.6
<b>Household Size</b>													
1 Person .....	4.8	89.2	4.7	63.1	2.5	2.7	4.7	13.1	4.7	3.4	4.8	9.4	5.3
2 to 4 Persons .....	12.9	129.6	12.7	81.6	7.5	3.6	12.8	23.6	12.9	3.9	12.9	19.6	2.5
5 or More Persons .....	1.8	158.1	1.7	88.5	1.0	6.4	1.8	36.3	1.8	4.8	1.8	30.3	9.5

See footnotes at end of table.

**Table 12. Consumption by End Uses, per Northeast Region Households, 1993 (Continued)**

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	
	1.0	0.8	1.0	0.9 <sup>1</sup>	1.6	1.7 <sup>1</sup>	1.0	0.9 <sup>1</sup>	1.0	0.8 <sup>1</sup>	1.0	0.8 <sup>1</sup>	
<b>New England Division</b> .....	5.1	123.1	4.9	81.7	2.1	3.6	5.0	21.2	5.1	3.7	5.1	17.5	5.6
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	5.1	123.1	4.9	81.7	2.1	3.6	5.0	21.2	5.1	3.7	5.1	17.5	5.6
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	3.1	141.9	3.0	97.0	1.3	4.3	3.1	21.9	3.1	4.1	3.1	20.7	6.4
Mobile Home .....	0.2	88.4	0.2	60.5	Q	Q	0.2	9.6	0.2	3.2	0.2	16.5	29.1
Multifamily (2 or more units) .....	1.7	94.3	1.7	57.6	0.8	2.6	1.7	21.7	1.7	3.1	1.7	12.1	10.0
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	1.7	82.5	1.6	48.8	0.7	2.7	1.6	19.1	1.7	3.2	1.7	12.0	6.3
1,000 to 1,999 .....	1.8	123.2	1.7	81.8	0.7	2.4	1.7	21.6	1.8	3.7	1.8	17.6	7.0
2,000 or More .....	1.7	163.9	1.6	114.4	0.8	5.3	1.6	23.0	1.7	4.2	1.7	23.0	8.6
<b>Ownership of Unit</b>													
Owned .....	3.2	140.2	3.1	95.9	1.4	4.4	3.1	21.3	3.2	4.0	3.2	20.3	5.6
Rented .....	1.9	94.3	1.8	57.9	0.8	2.0	1.9	21.1	1.9	3.2	1.9	12.9	6.3
<b>Year of Construction</b>													
1939 or Before .....	1.9	142.4	1.8	100.9	0.6	3.5	1.9	21.3	1.9	3.6	1.9	18.8	9.5
1940 to 1979 .....	2.4	113.6	2.3	72.0	1.1	3.2	2.3	21.5	2.4	3.9	2.4	16.2	6.1
1980 or After <sup>3</sup> .....	0.8	105.5	0.8	64.6	0.4	4.5	0.8	20.2	0.8	3.7	0.8	18.6	15.2
<b>1993 Family Income</b>													
Less than \$10,000 .....	0.7	100.3	0.6	69.6	0.2	2.5	0.6	19.1	0.7	3.4	0.7	11.6	10.9
\$10,000 to \$19,999 .....	1.1	112.8	1.0	80.4	0.3	2.0	1.1	19.7	1.1	3.2	1.1	13.1	9.4
\$20,000 to \$34,999 .....	0.9	114.8	0.9	73.8	0.4	2.9	0.9	19.9	0.9	3.4	0.9	16.9	9.1
\$35,000 to \$49,999 .....	1.0	120.8	1.0	75.3	0.4	3.3	1.0	21.9	1.0	4.2	1.0	19.9	9.8
\$50,000 or More .....	1.4	149.0	1.4	98.1	0.8	4.9	1.4	23.8	1.4	4.2	1.4	22.6	10.7
<b>Below Poverty Line</b>													
100 Percent .....	0.6	102.4	0.6	66.2	0.2	2.5	0.6	23.3	0.6	3.5	0.6	14.3	11.4
125 Percent .....	0.8	102.5	0.8	68.5	0.3	2.4	0.8	22.5	0.8	3.3	0.8	14.1	9.4
150 Percent .....	1.0	106.4	1.0	71.3	0.3	2.3	1.0	23.0	1.0	3.3	1.0	14.5	8.3
<b>Age of Householder</b>													
Under 35 Years .....	1.1	111.8	1.1	68.7	0.5	2.4	1.1	24.4	1.1	3.4	1.1	16.6	8.1
35 to 59 Years .....	2.3	120.7	2.3	76.0	1.0	4.0	2.3	22.7	2.3	3.7	2.3	19.4	5.4
60 Years and Over .....	1.6	134.8	1.6	99.2	0.7	3.8	1.6	16.8	1.6	3.9	1.6	15.5	6.4
<b>Household Size</b>													
1 Person .....	1.3	94.1	1.2	69.9	0.5	3.4	1.2	12.6	1.3	3.1	1.3	9.1	7.8
2 to 4 Persons .....	3.4	132.1	3.4	86.3	1.5	3.5	3.4	23.3	3.4	3.9	3.4	19.5	5.5
5 or More Persons .....	0.4	138.2	0.3	78.3	0.1	4.7	0.4	31.2	0.4	4.5	0.4	28.1	9.8

See footnotes at end of table.

**Table 12. Consumption by End Uses, per Northeast Region Households, 1993 (Continued)**

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	
	1.0	0.8	1.0	0.9 <sup>1</sup>	1.6	1.7 <sup>1</sup>	1.0	0.9 <sup>1</sup>	1.0	0.8 <sup>1</sup>	1.0	0.8 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	14.4	122.1	14.2	76.3	8.8	3.7	14.3	22.6	14.3	3.9	14.4	18.3	4.0
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and													
Over 5,500 HDD .....	6.1	125.4	6.0	82.0	3.2	2.9	6.1	20.7	6.1	4.0	6.1	18.8	4.9
Under 5,500 HDD .....	8.3	119.6	8.2	72.1	5.6	4.1	8.1	24.0	8.2	3.9	8.3	17.9	3.9
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 .....	8.8	144.6	8.7	93.9	5.5	4.4	8.7	22.9	8.8	4.5	8.8	22.1	4.5
Mobile Home .....	0.3	86.4	0.3	57.5	Q	4.5	0.3	7.8	0.3	3.3	0.3	15.2	20.7
Multifamily (2 or more units)	5.3	86.6	5.2	48.2	3.1	2.2	5.2	22.9	5.2	3.0	5.3	12.0	5.8
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	4.2	76.7	4.1	42.2	2.2	2.1	4.1	20.1	4.1	2.9	4.2	11.4	6.3
1,000 to 1,999 .....	5.1	116.9	5.0	72.4	3.2	3.0	5.1	22.1	5.0	3.8	5.1	17.2	6.6
2,000 or More .....	5.2	163.9	5.1	107.9	3.4	5.3	5.1	24.9	5.2	4.9	5.2	24.9	6.1
<b>Ownership of Unit</b>													
Owned .....	9.1	143.9	9.0	93.6	5.8	4.4	9.1	22.8	9.1	4.4	9.1	21.6	3.6
Rented .....	5.3	84.7	5.2	46.7	3.0	2.3	5.2	22.3	5.3	3.1	5.3	12.6	4.9
<b>Year of Construction</b>													
1939 or Before .....	4.8	127.2	4.7	84.7	2.3	2.4	4.7	23.6	4.8	3.6	4.8	16.5	8.9
1940 to 1979 .....	7.4	127.5	7.3	79.3	4.8	4.1	7.3	22.8	7.3	4.2	7.4	19.4	7.2
1980 or After <sup>3</sup> .....	2.2	93.3	2.2	48.5	1.7	4.3	2.2	19.6	2.2	3.8	2.2	18.4	9.4
<b>1993 Family Income</b>													
Less than \$10,000 .....	2.4	97.4	2.3	60.8	1.1	2.5	2.3	19.6	2.4	3.6	2.4	13.6	7.8
\$10,000 to \$19,999 .....	2.7	111.4	2.6	73.0	1.4	2.6	2.6	20.3	2.6	3.7	2.7	14.4	10.5
\$20,000 to \$34,999 .....	3.1	114.3	3.1	71.6	1.8	3.6	3.1	20.2	3.1	3.8	3.1	16.9	7.8
\$35,000 to \$49,999 .....	2.8	121.9	2.7	75.1	1.9	2.9	2.8	24.1	2.8	3.9	2.8	20.0	8.2
\$50,000 or More .....	3.5	154.5	3.5	94.6	2.5	5.5	3.5	27.2	3.5	4.5	3.5	24.3	7.0
<b>Below Poverty Line</b>													
100 Percent .....	2.4	102.3	2.3	60.8	1.1	2.7	2.3	22.7	2.4	3.6	2.4	15.7	7.0
125 Percent .....	3.1	104.4	3.0	62.2	1.5	2.7	3.0	22.7	3.1	3.7	3.1	15.9	6.6
150 Percent .....	3.7	107.1	3.6	63.9	1.7	2.7	3.6	23.1	3.6	3.7	3.7	16.2	7.0
<b>Age of Householder</b>													
Under 35 Years .....	3.5	102.7	3.5	58.5	1.9	3.0	3.5	24.1	3.5	3.4	3.5	16.3	6.3
35 to 59 Years .....	6.5	129.8	6.3	77.8	4.2	4.5	6.4	25.2	6.5	4.1	6.5	21.7	5.6
60 Years and Over .....	4.4	126.3	4.4	88.4	2.7	2.9	4.4	17.6	4.4	4.1	4.4	14.9	6.9
<b>Household Size</b>													
1 Person .....	3.5	87.5	3.5	60.7	2.0	2.5	3.4	13.2	3.5	3.5	3.5	9.5	6.6
2 to 4 Persons .....	9.5	128.7	9.4	79.9	6.0	3.6	9.4	23.8	9.5	4.0	9.5	19.6	2.6
5 or More Persons .....	1.4	163.2	1.4	91.0	0.9	6.6	1.4	37.6	1.4	4.8	1.4	30.9	11.2

<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 13. Expenditures by End Uses, per Northeast Region Households, 1993**

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	
	RSE Column Factor:	1.0	0.7	1.0	0.8 <sup>1</sup>	1.8	1.8 <sup>1</sup>	1.1	0.7 <sup>1</sup>	1.0	0.9 <sup>1</sup>	1.0	
<b>Northeast Region</b>													
<b>Total Region</b> .....	19.5	1,526	19.1	595	10.9	127	19.3	216	19.4	137	19.5	519	3.4
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	11.2	1,506	11.0	625	5.4	95	11.1	224	11.2	124	11.2	502	2.9
Under 5,500 HDD .....	8.3	1,552	8.2	555	5.6	158	8.1	205	8.2	154	8.3	541	4.1
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 .....	11.9	1,784	11.7	717	6.8	148	11.8	230	11.9	148	11.9	621	3.8
Mobile Home .....	0.5	1,361	0.5	461	0.3	130	0.5	257	0.5	109	0.5	476	16.2
Multifamily (2 or more units) .....	7.0	1,100	6.9	400	3.9	90	6.9	190	7.0	121	7.0	349	4.4
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	5.8	1,021	5.7	356	2.9	81	5.7	186	5.8	117	5.8	332	4.2
1,000 to 1,999 .....	6.8	1,464	6.7	580	3.8	102	6.8	214	6.8	130	6.8	491	4.9
2,000 or More .....	6.8	2,018	6.7	814	4.2	183	6.8	244	6.8	161	6.8	706	5.4
<b>Ownership of Unit</b>													
Owned .....	12.3	1,770	12.1	711	7.2	148	12.2	226	12.3	148	12.3	611	3.0
Rented .....	7.2	1,109	7.1	398	3.7	87	7.1	199	7.1	118	7.2	361	3.8
<b>Year of Construction</b>													
1939 or Before .....	6.7	1,489	6.6	643	3.0	95	6.6	210	6.7	130	6.7	484	7.0
1940 to 1979 .....	9.7	1,568	9.6	595	5.9	139	9.7	212	9.7	146	9.7	540	5.8
1980 or After <sup>3</sup> .....	3.0	1,473	3.0	489	2.1	140	3.0	246	3.0	124	3.0	528	7.9
<b>1993 Family Income</b>													
Less than \$10,000 .....	3.0	1,183	3.0	477	1.3	90	3.0	183	3.0	132	3.0	367	6.5
\$10,000 to \$19,999 .....	3.7	1,277	3.6	551	1.7	82	3.7	190	3.7	122	3.7	393	7.3
\$20,000 to \$34,999 .....	4.1	1,463	4.1	568	2.2	125	4.1	204	4.0	133	4.1	493	6.3
\$35,000 to \$49,999 .....	3.8	1,570	3.7	574	2.4	98	3.8	242	3.8	136	3.8	578	5.9
\$50,000 or More .....	4.8	1,949	4.8	739	3.3	188	4.8	248	4.8	155	4.8	685	5.8
<b>Below Poverty Line</b>													
100 Percent .....	3.0	1,259	2.9	474	1.3	96	2.9	211	3.0	131	3.0	423	5.5
125 Percent .....	3.9	1,276	3.8	478	1.8	96	3.8	213	3.9	132	3.9	429	5.2
150 Percent .....	4.7	1,305	4.6	496	2.1	95	4.6	216	4.7	132	4.7	437	5.3
<b>Age of Householder</b>													
Under 35 Years .....	4.7	1,349	4.6	494	2.4	101	4.6	237	4.6	121	4.7	458	4.3
35 to 59 Years .....	8.8	1,666	8.6	596	5.2	153	8.7	246	8.8	140	8.8	610	4.5
60 Years and Over .....	6.0	1,457	5.9	672	3.3	106	6.0	156	6.0	145	6.0	431	4.9
<b>Household Size</b>													
1 Person .....	4.8	1,058	4.7	489	2.5	89	4.7	122	4.7	125	4.8	287	4.8
2 to 4 Persons .....	12.9	1,613	12.7	626	7.5	124	12.8	233	12.9	137	12.9	555	2.3
5 or More Persons .....	1.8	2,131	1.7	658	1.0	246	1.8	343	1.8	169	1.8	868	10.1

See footnotes at end of table.



**Table 13. Expenditures by End Uses, per Northeast Region Households, 1993 (Continued)**

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	
	1.0	0.7	1.0	0.8 <sup>1</sup>	1.8	1.8 <sup>1</sup>	1.1	0.7 <sup>1</sup>	1.0	0.9 <sup>1</sup>	1.0	0.8 <sup>1</sup>	
<b>New England Division</b> .....	5.1	1,532	4.9	634	2.1	111	5.0	234	5.1	126	5.1	512	4.6
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and													
Over 5,500 HDD .....	5.1	1,532	4.9	634	2.1	111	5.0	234	5.1	126	5.1	512	4.6
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	3.1	1,775	3.0	737	1.3	136	3.1	250	3.1	137	3.1	622	5.8
Mobile Home .....	0.2	1,406	0.2	476	Q	Q	0.2	271	0.2	111	0.2	533	26.3
Multifamily (2 or more units)	1.7	1,119	1.7	473	0.8	73	1.7	202	1.7	110	1.7	314	8.4
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	1.7	1,082	1.6	403	0.7	77	1.6	214	1.7	112	1.7	336	5.5
1,000 to 1,999 .....	1.8	1,571	1.7	665	0.7	79	1.7	243	1.8	127	1.8	527	7.3
2,000 or More .....	1.7	1,945	1.6	831	0.8	168	1.6	245	1.7	140	1.7	673	7.3
<b>Ownership of Unit</b>													
Owned .....	3.2	1,742	3.1	719	1.4	135	3.1	244	3.2	136	3.2	610	4.5
Rented .....	1.9	1,181	1.8	492	0.8	67	1.9	217	1.9	111	1.9	348	6.1
<b>Year of Construction</b>													
1939 or Before .....	1.9	1,615	1.8	741	0.6	104	1.9	236	1.9	120	1.9	508	8.7
1940 to 1979 .....	2.4	1,443	2.3	567	1.1	100	2.3	221	2.4	132	2.4	488	5.3
1980 or After <sup>3</sup> .....	0.8	1,601	0.8	577	0.4	154	0.8	267	0.8	125	0.8	592	14.3
<b>1993 Family Income</b>													
Less than \$10,000 .....	0.7	1,190	0.6	574	0.2	82	0.6	197	0.7	117	0.7	313	9.8
\$10,000 to \$19,999 .....	1.1	1,303	1.0	595	0.3	68	1.1	212	1.1	112	1.1	395	9.2
\$20,000 to \$34,999 .....	0.9	1,513	0.9	601	0.4	96	0.9	239	0.9	115	0.9	522	9.0
\$35,000 to \$49,999 .....	1.0	1,595	1.0	579	0.4	89	1.0	263	1.0	140	1.0	591	8.6
\$50,000 or More .....	1.4	1,837	1.4	752	0.8	153	1.4	244	1.4	140	1.4	633	9.5
<b>Below Poverty Line</b>													
100 Percent .....	0.6	1,292	0.6	553	0.2	85	0.6	259	0.6	121	0.6	382	10.0
125 Percent .....	0.8	1,285	0.8	556	0.3	81	0.8	257	0.8	117	0.8	387	8.7
150 Percent .....	1.0	1,322	1.0	578	0.3	76	1.0	250	1.0	116	1.0	409	7.6
<b>Age of Householder</b>													
Under 35 Years .....	1.1	1,448	1.1	582	0.5	79	1.1	265	1.1	117	1.1	472	7.2
35 to 59 Years .....	2.3	1,577	2.3	580	1.0	122	2.3	260	2.3	126	2.3	582	5.0
60 Years and Over .....	1.6	1,527	1.6	749	0.7	117	1.6	174	1.6	134	1.6	438	5.6
<b>Household Size</b>													
1 Person .....	1.3	1,093	1.2	561	0.5	95	1.2	130	1.3	109	1.3	271	7.1
2 to 4 Persons .....	3.4	1,642	3.4	660	1.5	113	3.4	253	3.4	130	3.4	569	4.7
5 or More Persons .....	0.4	2,006	0.3	635	0.1	156	0.4	409	0.4	150	0.4	807	9.2

See footnotes at end of table.

**Table 13. Expenditures by End Uses, per Northeast Region Households, 1993 (Continued)**

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Households (mil-lion)	Expenditures (dol-lars)	Households (mil-lion)	Expenditures (dol-lars)	Households (mil-lion)	Expenditures (dol-lars)	Households (mil-lion)	Expenditures (dol-lars)	Households (mil-lion)	Expenditures (dol-lars)	Households (mil-lion)	Expenditures (dol-lars)	
	1.0	0.7	1.0	0.8 <sup>1</sup>	1.8	1.8 <sup>1</sup>	1.1	0.7 <sup>1</sup>	1.0	0.9 <sup>1</sup>	1.0	0.8 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	14.4	1,523	14.2	582	8.8	131	14.3	210	14.3	141	14.4	521	4.0
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and													
Over 5,500 HDD .....	6.1	1,484	6.0	618	3.2	85	6.1	217	6.1	123	6.1	494	4.2
Under 5,500 HDD .....	8.3	1,552	8.2	555	5.6	158	8.1	205	8.2	154	8.3	541	4.1
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 .....	8.8	1,787	8.7	710	5.5	151	8.7	223	8.8	151	8.8	620	4.6
Mobile Home .....	0.3	1,329	0.3	451	Q	151	0.3	246	0.3	107	0.3	436	21.9
Multifamily (2 or more units)	5.3	1,094	5.2	376	3.1	94	5.2	186	5.2	125	5.3	361	5.1
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	4.2	997	4.1	338	2.2	82	4.1	175	4.1	119	4.2	331	5.3
1,000 to 1,999 .....	5.1	1,427	5.0	552	3.2	106	5.1	204	5.0	131	5.1	478	5.9
2,000 or More .....	5.2	2,041	5.1	809	3.4	187	5.1	244	5.2	167	5.2	717	6.5
<b>Ownership of Unit</b>													
Owned .....	9.1	1,780	9.0	708	5.8	151	9.1	220	9.1	152	9.1	612	3.6
Rented .....	5.3	1,084	5.2	364	3.0	92	5.2	193	5.3	121	5.3	365	4.7
<b>Year of Construction</b>													
1939 or Before .....	4.8	1,439	4.7	606	2.3	92	4.7	199	4.8	134	4.8	475	8.9
1940 to 1979 .....	7.4	1,608	7.3	603	4.8	148	7.3	209	7.3	150	7.4	556	7.2
1980 or After <sup>3</sup> .....	2.2	1,426	2.2	459	1.7	136	2.2	238	2.2	123	2.2	505	9.6
<b>1993 Family Income</b>													
Less than \$10,000 .....	2.4	1,180	2.3	452	1.1	91	2.3	179	2.4	137	2.4	382	7.8
\$10,000 to \$19,999 .....	2.7	1,267	2.6	534	1.4	85	2.6	181	2.6	125	2.7	392	9.4
\$20,000 to \$34,999 .....	3.1	1,448	3.1	558	1.8	131	3.1	193	3.1	139	3.1	484	7.6
\$35,000 to \$49,999 .....	2.8	1,561	2.7	572	1.9	100	2.8	235	2.8	135	2.8	574	7.0
\$50,000 or More .....	3.5	1,994	3.5	734	2.5	200	3.5	249	3.5	161	3.5	706	7.0
<b>Below Poverty Line</b>													
100 Percent .....	2.4	1,250	2.3	454	1.1	98	2.3	198	2.4	134	2.4	434	6.7
125 Percent .....	3.1	1,273	3.0	458	1.5	99	3.0	201	3.1	136	3.1	441	6.1
150 Percent .....	3.7	1,300	3.6	475	1.7	98	3.6	207	3.6	137	3.7	445	6.3
<b>Age of Householder</b>													
Under 35 Years .....	3.5	1,317	3.5	467	1.9	106	3.5	228	3.5	122	3.5	454	5.1
35 to 59 Years .....	6.5	1,698	6.3	601	4.2	160	6.4	242	6.5	145	6.5	620	5.8
60 Years and Over .....	4.4	1,431	4.4	645	2.7	103	4.4	150	4.4	149	4.4	429	6.0
<b>Household Size</b>													
1 Person .....	3.5	1,046	3.5	463	2.0	88	3.4	119	3.5	130	3.5	292	6.1
2 to 4 Persons .....	9.5	1,603	9.4	614	6.0	127	9.4	226	9.5	139	9.5	551	2.4
5 or More Persons .....	1.4	2,163	1.4	663	0.9	258	1.4	326	1.4	174	1.4	884	12.0

<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.

• 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 14. Total Electricity and Natural Gas Consumption and Expenditures for Space Heating in Northeast Region 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:	0.8	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.3 <sup>1</sup>	0.8	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	

**Northeast Region**

<b>Total Region</b> .....	4.1	40.3	11.8	1.13	9.5	775.2	754	5.82	11.9
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and									
Over 5,500 HDD .....	2.8	26.6	7.8	0.73	5.2	456.6	444	3.35	18.1
Under 5,500 HDD .....	1.4	13.7	4.0	0.40	4.3	318.7	310	2.47	13.6
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 .....	2.7	28.1	8.2	0.76	5.6	554.4	539	4.09	12.2
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.4	12.2	3.6	0.36	3.8	215.7	210	1.70	18.9
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	1.1	9.1	2.7	0.29	3.0	146.2	142	1.14	14.5
1,000 to 1,999 .....	1.5	15.8	4.6	0.44	3.3	261.6	255	1.97	15.2
2,000 or More .....	1.6	15.5	4.5	0.40	3.2	367.4	357	2.72	15.9
<b>Ownership of Unit</b>									
Owned .....	2.6	25.5	7.5	0.70	5.8	578.5	563	4.29	12.6
Rented .....	1.5	14.8	4.3	0.44	3.7	196.7	191	1.54	15.5
<b>Year of Construction</b>									
1939 or Before .....	1.1	4.8	1.4	0.14	3.4	298.5	290	2.26	18.4
1940 to 1979 .....	2.0	21.1	6.2	0.61	4.8	404.1	393	3.00	17.2
1980 or After <sup>3</sup> .....	1.0	14.4	4.2	0.39	1.3	72.6	71	0.57	18.0
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.6	5.2	1.5	0.17	1.5	104.5	102	0.77	19.9
\$10,000 to \$19,999 .....	0.8	5.6	1.7	0.16	2.0	156.7	152	1.13	21.6
\$20,000 to \$34,999 .....	0.9	11.2	3.3	0.31	1.8	138.3	135	1.05	18.3
\$35,000 to \$49,999 .....	0.7	7.6	2.2	0.19	1.7	134.2	131	1.03	18.4
\$50,000 or More .....	1.1	10.7	3.1	0.30	2.5	241.5	235	1.85	17.0
<b>Below Poverty Line</b>									
100 Percent .....	0.7	5.1	1.5	0.17	1.5	105.9	103	0.78	20.2
125 Percent .....	0.8	5.7	1.7	0.19	2.0	139.7	136	1.04	19.3
150 Percent .....	1.0	8.7	2.6	0.26	2.4	175.3	171	1.29	19.2
<b>Age of Householder</b>									
Under 35 Years .....	1.1	12.5	3.7	0.35	2.4	160.8	156	1.23	17.5
35 to 59 Years .....	1.8	18.1	5.3	0.48	3.9	317.6	309	2.42	14.1
60 Years and Over .....	1.3	9.8	2.9	0.30	3.2	296.8	289	2.17	15.0
<b>Household Size</b>									
1 Person .....	1.1	9.1	2.7	0.28	2.3	147.2	143	1.09	18.4
2 to 4 Persons .....	2.7	27.7	8.1	0.75	6.4	553.6	538	4.18	12.6
5 or More Persons .....	0.4	3.6	1.1	0.10	0.8	74.5	72	0.55	24.1

See footnotes at end of table.

**Table 14. Total Electricity and Natural Gas Consumption and Expenditures for Space Heating in Northeast Region Households, 1993 (Continued)**

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:	0.8	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.3 <sup>1</sup>	0.8	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	
<b>New England Division</b> .....	1.0	9.5	2.8	0.30	1.6	126.9	123	1.05	19.3
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and Over 5,500 HDD .....	1.0	9.5	2.8	0.30	1.6	126.9	123	1.05	19.3
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
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	6.5	1.9	0.20	0.7	74.1	72	0.61	21.2
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	0.4	3.0	0.9	0.10	0.9	52.9	51	0.44	24.4
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	0.3	2.4	0.7	0.08	0.7	34.8	34	0.29	21.7
1,000 to 1,999 .....	0.4	4.8	1.4	0.15	0.5	41.4	40	0.36	28.1
2,000 or More .....	0.3	2.3	0.7	0.07	0.4	50.7	49	0.40	29.4
<b>Ownership of Unit</b>									
Owned .....	0.5	4.6	1.3	0.14	0.8	78.8	77	0.65	26.8
Rented .....	0.5	5.0	1.5	0.15	0.8	48.2	47	0.40	21.2
<b>Year of Construction</b>									
1939 or Before .....	0.2	1.4	0.4	0.04	0.7	64.4	63	0.53	29.9
1940 to 1979 .....	0.5	5.3	1.6	0.16	0.7	49.0	48	0.40	29.4
1980 or After <sup>3</sup> .....	0.3	2.8	0.8	0.09	0.2	13.6	13	0.12	29.4
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.1	1.1	0.3	0.04	0.3	18.5	18	0.15	36.0
\$10,000 to \$19,999 .....	0.2	1.3	0.4	0.04	0.3	21.0	20	0.18	32.1
\$20,000 to \$34,999 .....	0.2	2.8	0.8	0.09	0.2	17.4	17	0.14	26.9
\$35,000 to \$49,999 .....	0.2	Q	Q	0.05	0.2	18.0	17	0.15	37.2
\$50,000 or More .....	0.3	Q	Q	Q	0.6	52.0	51	0.42	26.9
<b>Below Poverty Line</b>									
100 Percent .....	0.1	1.0	0.3	0.03	0.3	20.9	20	0.17	38.2
125 Percent .....	0.2	1.2	0.3	0.04	0.3	24.3	24	0.20	33.9
150 Percent .....	0.2	1.9	0.6	0.06	0.4	27.8	27	0.23	36.9
<b>Age of Householder</b>									
Under 35 Years .....	0.3	3.0	0.9	0.09	0.5	35.6	35	0.30	28.4
35 to 59 Years .....	0.4	3.2	1.0	0.10	0.7	48.2	47	0.40	17.9
60 Years and Over .....	0.3	3.3	1.0	0.11	0.5	43.1	42	0.34	23.1
<b>Household Size</b>									
1 Person .....	0.3	2.5	0.7	0.08	0.4	25.5	25	0.21	24.7
2 to 4 Persons .....	0.6	5.6	1.7	0.17	1.2	95.8	93	0.80	22.0
5 or More Persons .....	0.1	1.4	0.4	0.04	Q	Q	Q	Q	25.8

See footnotes at end of table.

**Table 14. Total Electricity and Natural Gas Consumption and Expenditures for Space Heating in Northeast Region Households, 1993 (Continued)**

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:	0.8	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.3 <sup>1</sup>	0.8	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	3.1	30.8	9.0	0.83	7.9	648.3	631	4.78	14.2
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and									
Over 5,500 HDD .....	1.8	17.1	5.0	0.44	3.6	329.6	321	2.30	25.3
Under 5,500 HDD .....	1.4	13.7	4.0	0.40	4.3	318.7	310	2.47	13.6
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 .....	2.1	21.6	6.3	0.56	4.9	480.3	467	3.48	14.0
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.0	9.2	2.7	0.27	2.9	162.8	158	1.26	24.2
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	0.7	6.6	1.9	0.21	2.3	111.4	108	0.85	17.8
1,000 to 1,999 .....	1.1	11.0	3.2	0.29	2.9	220.2	214	1.62	18.0
2,000 or More .....	1.3	13.2	3.9	0.33	2.8	316.6	308	2.31	17.7
<b>Ownership of Unit</b>									
Owned .....	2.1	20.9	6.1	0.55	5.1	499.7	486	3.63	14.1
Rented .....	1.0	9.9	2.9	0.28	2.9	148.5	144	1.14	20.6
<b>Year of Construction</b>									
1939 or Before .....	0.9	3.5	1.0	0.10	2.7	234.1	228	1.73	22.5
1940 to 1979 .....	1.5	15.8	4.6	0.44	4.1	355.2	345	2.60	20.0
1980 or After <sup>3</sup> .....	0.7	11.5	3.4	0.29	1.1	59.1	57	0.45	20.7
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.5	4.1	1.2	0.13	1.3	86.0	84	0.61	23.8
\$10,000 to \$19,999 .....	0.6	4.4	1.3	0.12	1.7	135.6	132	0.95	25.7
\$20,000 to \$34,999 .....	0.7	8.3	2.4	0.22	1.6	120.9	118	0.91	21.6
\$35,000 to \$49,999 .....	0.5	5.8	1.7	0.13	1.4	116.3	113	0.88	21.1
\$50,000 or More .....	0.9	8.3	2.4	0.23	1.9	189.5	184	1.42	19.8
<b>Below Poverty Line</b>									
100 Percent .....	0.5	4.1	1.2	0.14	1.2	84.9	83	0.61	23.9
125 Percent .....	0.6	4.6	1.3	0.15	1.7	115.4	112	0.83	22.8
150 Percent .....	0.8	6.8	2.0	0.20	2.0	147.5	143	1.06	22.3
<b>Age of Householder</b>									
Under 35 Years .....	0.8	9.5	2.8	0.26	1.9	125.2	122	0.93	20.7
35 to 59 Years .....	1.4	14.8	4.3	0.38	3.2	269.3	262	2.02	16.6
60 Years and Over .....	1.0	6.5	1.9	0.19	2.8	253.8	247	1.82	18.3
<b>Household Size</b>									
1 Person .....	0.7	6.6	1.9	0.20	1.9	121.7	118	0.88	23.0
2 to 4 Persons .....	2.2	22.0	6.5	0.57	5.3	457.8	445	3.38	14.7
5 or More Persons .....	0.2	2.2	0.6	0.06	0.7	68.8	67	0.51	29.5

<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 15. Total Fuel Oil, Kerosene, and LPG Consumption and Expenditures for Space Heating in Northeast Region 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)		
RSE Column Factor:	0.4	0.5 <sup>1</sup>	0.5 <sup>1</sup>	0.5 <sup>1</sup>	1.0	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.4	1.8 <sup>1</sup>	1.8 <sup>1</sup>	1.7 <sup>1</sup>	

**Northeast Region**

<b>Total Region</b> .....	7.3	640.4	4.62	4.15	0.7	19.3	0.14	0.15	0.3	12.3	0.13	0.14	20.8
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	4.0	385.0	2.78	2.50	0.6	16.6	0.12	0.13	0.3	12.3	0.13	0.14	22.4
Under 5,500 HDD .....	3.3	255.4	1.84	1.65	0.2	Q	Q	Q	Q	Q	Q	Q	37.3
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 .....	4.8	507.8	3.66	3.37	0.4	7.1	0.05	0.06	0.2	Q	Q	Q	25.2
Mobile Home .....	0.2	12.4	0.09	0.09	0.2	11.2	0.08	0.08	Q	Q	Q	Q	48.4
Multifamily (2 or more units) ..	2.3	120.2	0.87	0.69	Q	Q	Q	Q	Q	Q	Q	Q	27.1
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	1.9	80.4	0.58	0.46	0.3	11.2	0.08	0.08	0.1	5.3	0.06	0.07	21.4
1,000 to 1,999 .....	2.5	215.2	1.55	1.40	0.3	6.8	0.05	0.05	0.1	Q	Q	Q	26.6
2,000 or More .....	2.9	344.8	2.49	2.28	0.2	Q	Q	Q	Q	Q	Q	Q	31.6
<b>Ownership of Unit</b>													
Owned .....	4.9	509.0	3.67	3.38	0.5	13.9	0.10	0.11	0.2	8.8	0.10	0.11	23.4
Rented .....	2.4	131.4	0.95	0.77	0.2	5.4	0.04	0.04	Q	Q	Q	Q	21.1
<b>Year of Construction</b>													
1939 or Before .....	3.0	275.9	1.99	1.77	0.3	5.5	0.04	0.04	Q	Q	Q	Q	28.2
1940 to 1979 .....	3.6	310.0	2.24	2.02	0.3	7.6	0.06	0.06	Q	Q	Q	Q	26.2
1980 or After <sup>3</sup> .....	0.7	54.5	0.39	0.36	0.2	6.2	0.05	0.05	0.2	Q	Q	0.10	32.9
<b>1993 Family Income</b>													
Less than \$10,000 .....	1.0	72.7	0.52	0.45	Q	Q	Q	Q	Q	Q	Q	Q	40.9
\$10,000 to \$19,999 .....	1.2	99.8	0.72	0.62	0.2	7.8	0.06	0.06	Q	Q	Q	Q	32.9
\$20,000 to \$34,999 .....	1.5	134.6	0.97	0.87	0.2	6.5	0.05	0.05	Q	Q	Q	Q	32.6
\$35,000 to \$49,999 .....	1.7	129.5	0.93	0.84	0.1	Q	Q	Q	Q	Q	Q	Q	20.7
\$50,000 or More .....	1.9	203.8	1.47	1.37	0.1	0.9	0.01	0.01	Q	Q	Q	Q	23.0
<b>Below Poverty Line</b>													
100 Percent .....	1.0	64.4	0.46	0.39	0.1	4.2	0.03	0.03	Q	Q	Q	Q	36.5
125 Percent .....	1.4	89.3	0.64	0.54	0.2	5.0	0.04	0.04	Q	Q	Q	Q	34.1
150 Percent .....	1.6	108.7	0.78	0.66	0.2	5.1	0.04	0.04	Q	Q	Q	Q	32.8
<b>Age of Householder</b>													
Under 35 Years .....	1.4	100.2	0.72	0.62	0.2	3.7	0.03	0.03	Q	Q	Q	Q	25.8
35 to 59 Years .....	3.7	313.4	2.26	2.06	0.4	9.8	0.07	0.07	0.2	7.2	0.08	0.09	23.3
60 Years and Over .....	2.1	226.8	1.64	1.46	0.2	5.9	0.04	0.04	Q	Q	Q	Q	30.7
<b>Household Size</b>													
1 Person .....	1.6	131.0	0.95	0.84	0.2	6.3	0.05	0.05	Q	Q	Q	Q	31.4
2 to 4 Persons .....	4.8	436.8	3.15	2.85	0.5	12.4	0.09	0.10	0.2	8.9	0.10	0.10	22.6
5 or More Persons .....	0.9	72.6	0.52	0.46	Q	Q	Q	Q	Q	Q	Q	Q	37.3

See footnotes at end of table.

**Table 15. Total Fuel Oil, Kerosene, and LPG Consumption and Expenditures for Space Heating in Northeast Region Households, 1993 (Continued)**

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)		
RSE Column Factor:	0.4	0.5 <sup>1</sup>	0.5 <sup>1</sup>	0.5 <sup>1</sup>	1.0	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.4	1.8 <sup>1</sup>	1.8 <sup>1</sup>	1.7 <sup>1</sup>	
<b>New England Division</b> .....	2.6	250.3	1.81	1.63	0.2	Q	Q	Q	0.2	Q	Q	Q	23.0
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 HDD and													
Over 5,500 HDD .....	2.6	250.3	1.81	1.63	0.2	Q	Q	Q	0.2	Q	Q	Q	23.0
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	1.9	201.3	1.45	1.32	0.1	Q	Q	Q	Q	Q	Q	Q	26.9
Mobile Home .....	Q	Q	Q	Q	0.1	Q	Q	Q	Q	Q	Q	Q	42.1
Multifamily (2 or more units) ..	0.6	41.2	0.30	0.26	Q	Q	Q	Q	Q	Q	Q	Q	40.4
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	0.6	34.2	0.25	0.21	0.1	Q	Q	Q	Q	Q	Q	Q	33.9
1,000 to 1,999 .....	0.9	86.1	0.62	0.57	Q	Q	Q	Q	Q	Q	Q	Q	29.4
2,000 or More .....	1.1	130.0	0.94	0.85	Q	Q	Q	Q	Q	Q	Q	Q	32.2
<b>Ownership of Unit</b>													
Owned .....	2.0	201.0	1.45	1.32	0.2	Q	Q	Q	Q	Q	Q	Q	25.1
Rented .....	0.7	49.2	0.36	0.31	Q	Q	Q	Q	Q	Q	Q	Q	24.4
<b>Year of Construction</b>													
1939 or Before .....	1.1	116.3	0.84	0.76	Q	Q	Q	Q	Q	Q	Q	Q	29.0
1940 to 1979 .....	1.2	106.9	0.77	0.70	0.1	4.9	0.04	0.04	Q	Q	Q	Q	27.2
1980 or After <sup>3</sup> .....	0.3	27.1	0.20	0.18	0.1	Q	Q	Q	Q	Q	Q	Q	57.1
<b>1993 Family Income</b>													
Less than \$10,000 .....	0.2	21.2	0.15	0.14	Q	Q	Q	Q	Q	Q	Q	Q	37.5
\$10,000 to \$19,999 .....	0.6	56.4	0.41	0.36	Q	Q	Q	Q	Q	Q	Q	Q	55.8
\$20,000 to \$34,999 .....	0.5	43.6	0.31	0.28	Q	Q	Q	Q	Q	Q	Q	Q	40.3
\$35,000 to \$49,999 .....	0.6	51.8	0.37	0.34	Q	Q	Q	Q	Q	Q	Q	Q	24.6
\$50,000 or More .....	0.7	77.3	0.56	0.51	Q	Q	Q	Q	Q	Q	Q	Q	32.9
<b>Below Poverty Line</b>													
100 Percent .....	0.2	14.1	0.10	0.09	Q	Q	Q	Q	Q	Q	Q	Q	50.4
125 Percent .....	0.3	23.1	0.17	0.15	Q	Q	Q	Q	Q	Q	Q	Q	32.0
150 Percent .....	0.4	34.8	0.25	0.23	Q	Q	Q	Q	Q	Q	Q	Q	38.7
<b>Age of Householder</b>													
Under 35 Years .....	0.4	35.1	0.25	0.23	Q	Q	Q	Q	Q	Q	Q	Q	59.0
35 to 59 Years .....	1.3	112.9	0.81	0.74	0.1	3.9	0.03	0.03	Q	Q	Q	Q	23.5
60 Years and Over .....	0.9	102.3	0.74	0.67	Q	Q	Q	Q	Q	Q	Q	Q	26.2
<b>Household Size</b>													
1 Person .....	0.6	51.8	0.37	0.34	Q	Q	Q	Q	Q	Q	Q	Q	28.5
2 to 4 Persons .....	1.8	179.0	1.29	1.17	0.2	5.0	0.04	0.04	Q	Q	Q	Q	25.6
5 or More Persons .....	0.2	19.4	0.14	0.13	Q	Q	Q	Q	Q	Q	Q	Q	34.5

See footnotes at end of table.

**Table 15. Total Fuel Oil, Kerosene, and LPG Consumption and Expenditures for Space Heating in Northeast Region Households, 1993 (Continued)**

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)		
RSE Column Factor:	0.4	0.5 <sup>1</sup>	0.5 <sup>1</sup>	0.5 <sup>1</sup>	1.0	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.4	1.8 <sup>1</sup>	1.8 <sup>1</sup>	1.7 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	4.7	390.1	2.81	2.52	0.5	11.1	0.08	0.08	0.1	Q	Q	Q	28.9
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and													
Over 5,500 HDD .....	1.3	134.7	0.97	0.86	0.3	8.4	0.06	0.07	0.1	Q	Q	Q	40.2
Under 5,500 HDD .....	3.3	255.4	1.84	1.65	0.2	Q	Q	Q	Q	Q	Q	Q	37.3
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	306.5	2.21	2.05	0.3	3.2	0.02	0.03	Q	Q	Q	Q	33.2
Mobile Home .....	Q	Q	Q	Q	0.1	6.9	0.05	0.05	Q	Q	Q	Q	35.0
Multifamily (2 or more units) ..	1.7	79.0	0.57	0.43	Q	Q	Q	Q	Q	Q	Q	Q	35.2
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	1.3	46.2	0.33	0.25	0.2	6.9	0.05	0.05	Q	Q	Q	Q	26.1
1,000 to 1,999 .....	1.6	129.1	0.93	0.84	0.2	Q	Q	Q	Q	Q	Q	Q	30.2
2,000 or More .....	1.8	214.8	1.55	1.43	Q	Q	Q	Q	Q	Q	Q	Q	44.4
<b>Ownership of Unit</b>													
Owned .....	3.0	308.0	2.22	2.06	0.3	7.0	0.05	0.05	0.1	Q	Q	Q	32.9
Rented .....	1.7	82.1	0.59	0.45	0.2	4.0	0.03	0.03	Q	Q	Q	Q	26.8
<b>Year of Construction</b>													
1939 or Before .....	1.9	159.6	1.15	1.01	0.2	4.0	0.03	0.03	Q	Q	Q	Q	37.9
1940 to 1979 .....	2.4	203.1	1.46	1.33	0.1	Q	Q	Q	Q	Q	Q	Q	38.9
1980 or After <sup>3</sup> .....	0.4	27.4	0.20	0.18	0.2	Q	Q	Q	0.1	Q	Q	0.06	29.4
<b>1993 Family Income</b>													
Less than \$10,000 .....	0.8	51.5	0.37	0.30	Q	Q	Q	Q	Q	Q	Q	Q	55.0
\$10,000 to \$19,999 .....	0.6	43.4	0.31	0.26	0.1	Q	Q	Q	Q	Q	Q	Q	39.8
\$20,000 to \$34,999 .....	1.0	91.0	0.66	0.59	0.1	3.3	0.02	0.02	Q	Q	Q	Q	46.5
\$35,000 to \$49,999 .....	1.1	77.8	0.56	0.50	0.1	Q	Q	Q	Q	Q	Q	Q	28.5
\$50,000 or More .....	1.2	126.5	0.91	0.86	Q	Q	Q	Q	Q	Q	Q	Q	38.2
<b>Below Poverty Line</b>													
100 Percent .....	0.8	50.3	0.36	0.29	Q	Q	Q	Q	Q	Q	Q	Q	45.9
125 Percent .....	1.1	66.2	0.48	0.39	Q	Q	Q	Q	Q	Q	Q	Q	47.6
150 Percent .....	1.2	73.8	0.53	0.43	0.1	2.5	0.02	0.02	Q	Q	Q	Q	37.4
<b>Age of Householder</b>													
Under 35 Years .....	1.0	65.1	0.47	0.39	0.1	2.4	0.02	0.02	Q	Q	Q	Q	32.6
35 to 59 Years .....	2.5	200.5	1.45	1.33	0.3	5.9	0.04	0.04	Q	Q	Q	Q	34.5
60 Years and Over .....	1.2	124.5	0.90	0.80	Q	Q	Q	Q	Q	Q	Q	Q	45.1
<b>Household Size</b>													
1 Person .....	1.1	79.1	0.57	0.50	Q	Q	Q	Q	Q	Q	Q	Q	45.2
2 to 4 Persons .....	3.0	257.8	1.86	1.68	0.4	7.4	0.05	0.06	0.1	Q	Q	Q	30.9
5 or More Persons .....	0.6	53.2	0.38	0.33	Q	Q	Q	Q	Q	Q	Q	Q	49.3

<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.

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 G of the 1993 Residential Energy Consumption Survey.



**Table 16. Electricity Consumption and Expenditures for Main Space Heating, per Northeast Region Households, 1993**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Electricity Space-Heating Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average <sup>2</sup>	Consumption (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
RSE Column Factor:	3.1	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.1 <sup>1</sup>	1.2	0.4	0.4	0.9 <sup>1</sup>	1.1 <sup>1</sup>	

**Northeast Region**

<b>Total Region</b> .....	1.9	19.5	5,715	538	1,426	6,043	6,044	0.66	6.2	4.6
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	1.3	18.8	5,513	510	1,352	6,364	6,339	0.64	5.9	5.7
Under 5,500 HDD .....	0.6	21.0	6,151	597	1,588	5,353	5,406	0.72	7.0	7.5
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 .....	1.0	24.9	7,301	664	1,898	5,885	5,888	0.65	5.9	4.3
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	0.9	13.1	3,841	388	869	6,230	6,228	0.71	7.2	8.4
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	0.7	12.8	3,752	406	641	6,171	6,161	0.95	10.3	9.5
1,000 to 1,999 .....	0.8	19.2	5,634	528	1,324	5,973	5,962	0.71	6.7	5.0
2,000 or More .....	0.5	29.4	8,630	739	2,706	5,977	6,011	0.53	4.6	3.7
<b>Ownership of Unit</b>										
Owned .....	0.9	25.0	7,315	666	1,973	5,885	5,903	0.63	5.7	5.0
Rented .....	1.0	14.4	4,212	417	913	6,192	6,176	0.75	7.4	7.9
<b>Year of Construction</b>										
1939 or Before .....	0.2	19.3	5,670	527	897	6,098	6,037	1.04	9.6	14.5
1940 to 1979 .....	1.1	18.6	5,461	527	1,452	6,013	6,028	0.63	6.0	7.3
1980 or After <sup>3</sup> .....	0.7	20.9	6,137	557	1,536	6,076	6,070	0.66	6.0	6.6
<b>1993 Family Income</b>										
Less than \$10,000 .....	0.4	12.4	3,638	408	766	6,057	6,001	0.78	8.8	12.0
\$10,000 to \$19,999 .....	0.3	14.8	4,326	421	1,011	6,336	6,335	0.68	6.6	12.1
\$20,000 to \$34,999 .....	0.5	21.9	6,414	591	1,573	6,097	6,097	0.67	6.2	8.9
\$35,000 to \$49,999 .....	0.3	23.3	6,818	555	1,551	6,018	6,006	0.73	5.9	9.4
\$50,000 or More .....	0.4	24.8	7,262	689	2,164	5,724	5,789	0.59	5.6	6.2
<b>Below Poverty Line</b>										
100 Percent .....	0.4	13.0	3,797	421	789	5,937	5,898	0.81	9.0	11.4
125 Percent .....	0.4	12.9	3,789	415	795	5,976	5,931	0.80	8.7	10.6
150 Percent .....	0.5	15.4	4,509	455	1,011	6,104	6,062	0.73	7.4	11.7
<b>Age of Householder</b>										
Under 35 Years .....	0.7	17.8	5,204	495	1,333	5,845	5,840	0.67	6.4	8.6
35 to 59 Years .....	0.7	23.2	6,803	610	1,724	6,016	6,033	0.66	5.9	5.0
60 Years and Over .....	0.5	16.7	4,883	494	1,140	6,331	6,316	0.68	6.8	8.6
<b>Household Size</b>										
1 Person .....	0.6	13.5	3,960	421	1,013	6,279	6,242	0.62	6.6	9.9
2 to 4 Persons .....	1.2	21.9	6,417	577	1,630	5,887	5,917	0.67	6.0	5.7
5 or More Persons .....	0.1	27.8	8,146	773	1,619	6,336	6,235	0.79	7.5	10.3

See footnotes at end of table.

**Table 16. Electricity Consumption and Expenditures for Main Space Heating, per Northeast Region Households, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Electricity Space-Heating Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average <sup>2</sup>	Consumption (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
RSE Column Factor:	3.1	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.1 <sup>1</sup>	1.2	0.4	0.4	0.9 <sup>1</sup>	1.1 <sup>1</sup>	

**Northeast Region**

**Main Heating Equipment Using Electricity**

Central Warm-Air Furnace .....	0.1	21.6	6,320	567	1,016	5,924	5,900	Q	9.4	17.4
Built-In Electric Units .....	1.2	18.9	5,532	523	1,252	6,298	6,250	0.70	6.6	6.5
Heat Pump .....	0.5	21.1	6,197	567	2,013	5,687	5,772	0.54	5.0	7.7
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

**Age of Main Heating Equipment**

Less than 5 Years .....	0.2	20.0	5,848	578	1,563	6,188	6,193	0.60	6.0	12.5
5 to 9 Years .....	0.3	20.9	6,114	557	1,642	6,205	6,145	0.60	5.5	10.8
10 to 19 Years .....	0.6	21.5	6,298	590	1,700	5,947	6,027	0.62	5.8	8.5
20 Years or More .....	0.3	23.2	6,797	604	1,433	6,165	6,108	0.77	6.8	10.9
Don't Know .....	0.4	12.9	3,768	381	805	5,884	5,860	0.80	8.0	8.1

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

No .....	1.4	17.1	5,010	486	1,110	6,033	6,039	0.75	7.3	5.8
Yes .....	0.5	26.6	7,795	689	2,359	6,073	6,058	0.54	4.8	3.4
Wood .....	0.4	28.1	8,234	723	2,585	5,960	5,960	0.53	4.7	4.0
Electricity .....	Q	27.0	7,916	616	2,236	6,054	5,910	0.58	4.6	14.8
Natural Gas .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Kerosene .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

**Average Electricity Expenditures for Main Space Heat (cents per kWh)**

Less than 6 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
6 to Less than 9 .....	0.7	22.9	6,718	503	1,599	6,014	5,929	0.70	5.2	7.3
9 or More .....	1.2	17.5	5,122	560	1,314	6,062	6,112	0.64	7.0	6.7

**Adequacy of Insulation**

Well Insulated .....	0.9	22.6	6,619	606	1,765	6,195	6,177	0.61	5.5	6.0
Adequately Insulated .....	0.6	17.3	5,079	489	1,249	5,963	6,000	0.68	6.6	7.0
Poorly Insulated .....	0.4	16.3	4,764	465	987	5,847	5,833	0.83	8.1	10.3

See footnotes at end of table.

**Table 16. Electricity Consumption and Expenditures for Main Space Heating, per Northeast Region Households, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Electricity Space-Heating Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average <sup>2</sup>	Consumption (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
RSE Column Factor:	3.1	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.1 <sup>1</sup>	1.2	0.4	0.4	0.9 <sup>1</sup>	1.1 <sup>1</sup>	
<b>New England Division</b> .....	0.5	18.6	5,464	577	1,187	6,329	6,346	0.73	7.7	6.8
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	0.5	18.6	5,464	577	1,187	6,329	6,346	0.73	7.7	6.8
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	0.2	28.5	8,347	868	1,622	6,352	6,362	0.81	8.4	4.7
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	0.3	10.8	3,165	345	840	6,312	6,333	0.60	6.5	11.9
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	0.2	10.9	3,189	349	677	6,131	6,170	0.77	8.4	9.8
1,000 to 1,999 .....	0.2	21.9	6,424	668	1,358	6,499	6,455	0.73	7.6	7.5
2,000 or More .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Ownership of Unit</b>										
Owned .....	0.1	28.2	8,274	869	1,752	6,365	6,386	0.74	7.8	7.6
Rented .....	0.3	14.5	4,263	453	945	6,314	6,329	0.71	7.6	11.7
<b>Year of Construction</b>										
1939 or Before .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1940 to 1979 .....	0.3	18.4	5,392	564	1,222	6,091	6,141	0.72	7.6	11.6
1980 or After <sup>3</sup> .....	0.1	17.5	5,126	558	1,112	6,850	6,815	0.67	7.3	8.2
<b>1993 Family Income</b>										
Less than \$10,000 .....	Q	12.4	3,622	418	693	6,424	6,452	0.81	9.4	26.7
\$10,000 to \$19,999 .....	0.1	12.3	3,619	424	824	6,748	6,727	0.65	7.6	24.0
\$20,000 to \$34,999 .....	0.1	22.9	6,723	702	1,405	6,361	6,364	0.75	7.9	12.5
\$35,000 to \$49,999 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
\$50,000 or More .....	Q	24.5	7,172	741	1,812	6,101	6,151	0.65	6.7	18.5
<b>Below Poverty Line</b>										
100 Percent .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
125 Percent .....	Q	Q	Q	409	681	6,165	6,208	0.85	9.7	18.6
150 Percent .....	0.1	15.2	4,457	495	858	6,290	6,316	0.83	9.2	20.1
<b>Age of Householder</b>										
Under 35 Years .....	0.2	18.2	5,339	547	1,172	6,124	6,108	0.74	7.6	8.0
35 to 59 Years .....	0.2	18.4	5,382	553	1,195	6,194	6,216	0.73	7.5	8.1
60 Years and Over .....	0.2	19.3	5,658	628	1,193	6,649	6,692	0.71	7.9	14.6
<b>Household Size</b>										
1 Person .....	0.2	12.2	3,582	406	819	6,472	6,476	0.68	7.7	14.3
2 to 4 Persons .....	0.2	21.7	6,363	655	1,499	6,256	6,281	0.68	7.0	6.4
5 or More Persons .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

**Table 16. Electricity Consumption and Expenditures for Main Space Heating, per Northeast Region Households, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Electricity Space-Heating Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average <sup>2</sup>	Consumption (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
RSE Column Factor:	3.1	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.1 <sup>1</sup>	1.2	0.4	0.4	0.9 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	1.4	19.8	5,797	525	1,504	5,950	5,945	0.65	5.9	6.0
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	0.8	18.9	5,541	473	1,444	6,383	6,335	0.60	5.1	9.0
Under 5,500 HDD .....	0.6	21.0	6,151	597	1,588	5,353	5,406	0.72	7.0	7.5
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 .....	0.8	24.0	7,037	613	1,967	5,768	5,768	0.62	5.4	5.2
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	0.6	14.1	4,128	406	882	6,195	6,183	0.76	7.4	11.0
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	0.5	13.7	4,013	432	625	6,190	6,157	1.04	11.2	13.6
1,000 to 1,999 .....	0.6	18.2	5,342	477	1,312	5,779	5,780	0.70	6.3	7.2
2,000 or More .....	0.4	28.4	8,332	689	2,711	5,920	5,937	0.52	4.3	3.9
<b>Ownership of Unit</b>										
Owned .....	0.8	24.4	7,144	630	2,012	5,800	5,816	0.61	5.4	5.7
Rented .....	0.7	14.3	4,186	399	897	6,130	6,099	0.76	7.3	11.2
<b>Year of Construction</b>										
1939 or Before .....	0.1	17.9	5,244	465	787	6,110	6,034	1.09	9.7	20.2
1940 to 1979 .....	0.8	18.7	5,484	515	1,532	5,986	5,989	0.60	5.6	8.8
1980 or After <sup>3</sup> .....	0.5	21.9	6,432	557	1,661	5,850	5,853	0.66	5.7	7.9
<b>1993 Family Income</b>										
Less than \$10,000 .....	0.3	12.4	3,642	405	786	5,954	5,876	0.78	8.7	14.0
\$10,000 to \$19,999 .....	0.3	15.6	4,578	419	1,077	6,190	6,196	0.69	6.3	15.2
\$20,000 to \$34,999 .....	0.4	21.5	6,311	555	1,629	6,009	6,009	0.64	5.7	11.8
\$35,000 to \$49,999 .....	0.2	24.8	7,262	558	1,728	6,032	6,003	0.70	5.4	10.3
\$50,000 or More .....	0.3	24.9	7,289	673	2,269	5,611	5,680	0.57	5.3	6.9
<b>Below Poverty Line</b>										
100 Percent .....	0.3	13.2	3,858	425	819	5,891	5,832	0.80	8.8	13.7
125 Percent .....	0.3	13.2	3,855	417	827	5,923	5,855	0.79	8.5	12.8
150 Percent .....	0.4	15.4	4,525	444	1,055	6,050	5,988	0.71	7.0	13.4
<b>Age of Householder</b>										
Under 35 Years .....	0.5	17.6	5,164	480	1,380	5,764	5,762	0.65	6.0	11.3
35 to 59 Years .....	0.6	24.6	7,197	625	1,870	5,967	5,983	0.64	5.6	5.9
60 Years and Over .....	0.4	15.5	4,537	434	1,116	6,189	6,147	0.66	6.3	11.0
<b>Household Size</b>										
1 Person .....	0.4	14.1	4,127	427	1,098	6,194	6,140	0.61	6.3	14.2
2 to 4 Persons .....	0.9	21.9	6,430	557	1,663	5,794	5,825	0.67	5.8	7.1
5 or More Persons .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

<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 E of the 1993 Residential Energy Consumption Survey.

**Table 17. Natural Gas Consumption and Expenditures for Main Space Heating, per Northeast Region 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)	
<b>Northeast Region</b>										
<b>Total Region</b> .....	9.4	81.6	79.4	613	1,735	5,790	5,833	7.9	6.1	3.0
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	5.2	87.2	84.8	640	1,814	6,311	6,339	7.4	5.6	3.5
Under 5,500 HDD .....	4.3	74.9	72.8	581	1,638	5,155	5,214	8.6	6.9	3.5
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 .....	5.6	98.5	95.9	727	2,244	5,877	5,922	7.3	5.5	3.2
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	3.8	56.9	55.4	448	987	5,641	5,682	9.9	8.0	5.1
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	3.0	49.0	47.6	380	689	5,599	5,639	12.3	9.8	3.2
1,000 to 1,999 .....	3.3	78.9	76.8	595	1,408	5,800	5,839	9.4	7.3	4.2
2,000 or More .....	3.2	115.0	111.9	850	3,054	5,959	6,007	6.1	4.7	3.8
<b>Ownership of Unit</b>										
Owned .....	5.8	99.0	96.4	734	2,225	5,899	5,936	7.3	5.6	3.3
Rented .....	3.6	53.8	52.3	421	952	5,617	5,668	9.8	7.9	3.8
<b>Year of Construction</b>										
1939 or Before .....	3.3	88.4	86.0	670	1,619	5,710	5,770	9.3	7.3	4.8
1940 to 1979 .....	4.8	83.6	81.3	620	1,786	5,775	5,807	7.9	6.0	4.7
1980 or After <sup>3</sup> .....	1.3	56.5	54.9	440	1,846	6,058	6,094	4.9	3.9	6.5
<b>1993 Family Income</b>										
Less than \$10,000 .....	1.5	68.0	66.2	498	1,125	5,643	5,716	10.4	7.8	4.7
\$10,000 to \$19,999 .....	2.0	79.1	76.9	569	1,294	5,924	5,969	10.0	7.4	5.8
\$20,000 to \$34,999 .....	1.8	74.9	72.8	570	1,636	5,760	5,806	7.7	6.1	5.5
\$35,000 to \$49,999 .....	1.7	80.1	77.9	616	2,040	5,774	5,789	6.6	5.2	6.0
\$50,000 or More .....	2.4	98.5	95.8	753	2,345	5,809	5,845	7.0	5.5	5.2
<b>Below Poverty Line</b>										
100 Percent .....	1.5	69.6	67.7	513	1,186	5,645	5,711	10.1	7.7	5.4
125 Percent .....	2.0	70.7	68.8	524	1,230	5,699	5,761	9.8	7.5	5.2
150 Percent .....	2.4	73.8	71.8	541	1,239	5,743	5,811	10.1	7.6	4.8
<b>Age of Householder</b>										
Under 35 Years .....	2.4	67.5	65.6	517	1,372	5,616	5,674	8.5	6.7	4.7
35 to 59 Years .....	3.9	82.1	79.9	627	1,990	5,779	5,813	6.9	5.4	4.5
60 Years and Over .....	3.2	91.4	89.0	668	1,696	5,931	5,972	8.8	6.6	3.9
<b>Household Size</b>										
1 Person .....	2.3	63.3	61.6	467	1,136	5,924	5,917	9.2	6.9	5.2
2 to 4 Persons .....	6.4	86.4	84.0	653	1,857	5,769	5,826	7.8	6.1	3.1
5 or More Persons .....	0.8	98.3	95.6	732	2,547	5,561	5,632	6.7	5.2	9.1

See footnotes at end of table.

**Table 17. Natural Gas Consumption and Expenditures for Main Space Heating, per Northeast Region 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:	2.8	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.2	0.4	0.3	1.2 <sup>1</sup>	1.2 <sup>1</sup>	

**Northeast Region**

**Main Heating Equipment Using Natural Gas**

Central Warm-Air Furnace .....	4.7	81.7	79.5	602	1,931	5,957	5,992	6.9	5.2	3.9
Steam or Hot-Water System .....	4.3	83.8	81.5	639	1,586	5,580	5,630	9.2	7.2	4.3
Floor, Wall, or Pipeless Furnace .....	0.2	68.0	66.1	539	1,240	6,155	6,179	8.7	7.1	10.2
Room Heater/Other .....	0.2	51.1	49.7	428	859	6,018	6,072	9.6	8.3	13.0

**Age of Main Heating Equipment**

Less than 5 Years .....	1.6	87.7	85.3	639	2,103	6,049	6,087	6.7	5.0	6.1
5 to 9 Years .....	1.3	87.5	85.2	664	2,127	5,821	5,833	6.9	5.4	5.5
10 to 19 Years .....	1.8	88.4	86.0	669	2,118	5,814	5,886	7.0	5.4	4.3
20 Years or More .....	2.7	91.1	88.6	679	1,647	5,786	5,836	9.3	7.1	5.2
Don't Know .....	1.9	52.5	51.0	410	903	5,532	5,559	10.2	8.2	4.5

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

No .....	2.3	97.9	95.2	723	2,312	6,065	6,090	6.8	5.2	4.4
Yes .....	7.1	76.3	74.3	578	1,546	5,701	5,748	8.4	6.6	3.4
Wood .....	1.1	115.2	112.1	849	2,900	6,128	6,146	6.3	4.8	5.2
Electricity .....	1.2	90.6	88.1	654	1,955	6,012	6,060	7.5	5.6	4.9
Kerosene .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Other .....	0.3	77.5	75.3	604	1,447	6,118	6,175	8.5	6.8	17.8

**Average Natural Gas Expenditures for Main Space Heat (dollars per 1000 cf)**

Less than 4.50 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
4.50 to Less than 6 .....	0.4	93.6	91.0	492	1,473	6,286	6,316	9.8	5.3	13.4
6 or More .....	9.0	81.1	78.9	619	1,747	5,768	5,811	7.8	6.1	3.0

**Adequacy of Insulation**

Well Insulated .....	3.3	83.7	81.5	625	2,077	5,863	5,900	6.7	5.1	5.3
Adequately Insulated .....	4.2	79.3	77.2	604	1,633	5,716	5,759	8.3	6.5	4.5
Poorly Insulated .....	2.0	82.9	80.7	613	1,398	5,825	5,876	9.9	7.5	5.1

See footnotes at end of table.

**Table 17. Natural Gas Consumption and Expenditures for Main Space Heating, per Northeast Region 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)	
<b>New England Division</b> .....	1.6	78.7	76.5	651	1,566	5,912	5,956	8.3	7.0	6.1
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	1.6	78.7	76.5	651	1,566	5,912	5,956	8.3	7.0	6.1
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	0.7	100.9	98.2	837	2,169	5,972	6,023	7.6	6.5	8.3
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	0.9	60.5	58.9	500	1,073	5,864	5,902	9.4	7.9	7.0
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	0.7	48.7	47.4	405	738	5,774	5,827	11.1	9.5	3.6
1,000 to 1,999 .....	0.5	87.9	85.5	755	1,415	5,889	5,918	10.3	9.1	7.1
2,000 or More .....	0.4	121.4	118.1	970	3,220	6,187	6,233	5.9	4.9	6.9
<b>Ownership of Unit</b>										
Owned .....	0.8	99.9	97.1	831	2,149	6,027	6,066	7.5	6.4	6.8
Rented .....	0.8	58.8	57.2	482	1,018	5,805	5,853	9.7	8.2	6.3
<b>Year of Construction</b>										
1939 or Before .....	0.7	89.8	87.3	744	1,687	5,964	6,001	8.7	7.4	4.7
1940 to 1979 .....	0.7	66.6	64.8	544	1,359	5,852	5,900	8.2	6.8	7.6
1980 or After <sup>3</sup> .....	0.2	85.8	83.5	744	1,997	5,967	6,018	7.0	6.2	11.9
<b>1993 Family Income</b>										
Less than \$10,000 .....	0.3	66.8	65.0	551	957	5,769	5,830	11.8	10.0	7.4
\$10,000 to \$19,999 .....	0.3	67.5	65.7	565	1,084	5,795	5,869	10.5	9.0	9.1
\$20,000 to \$34,999 .....	0.2	75.5	73.4	625	1,842	5,774	5,807	6.9	5.9	11.3
\$35,000 to \$49,999 .....	0.2	75.7	73.7	647	1,768	6,186	6,190	6.7	5.9	10.9
\$50,000 or More .....	0.5	94.2	91.6	768	1,957	5,994	6,034	7.8	6.5	5.8
<b>Below Poverty Line</b>										
100 Percent .....	0.3	71.0	69.1	584	971	5,730	5,800	12.4	10.5	9.0
125 Percent .....	0.3	71.6	69.7	594	1,006	5,771	5,839	12.0	10.2	6.6
150 Percent .....	0.4	69.8	67.9	572	1,031	5,770	5,844	11.4	9.6	6.1
<b>Age of Householder</b>										
Under 35 Years .....	0.5	73.4	71.4	623	1,465	5,877	5,949	8.3	7.2	10.9
35 to 59 Years .....	0.7	73.9	71.9	617	1,581	5,922	5,980	7.7	6.6	6.1
60 Years and Over .....	0.5	91.3	88.8	731	1,652	5,937	5,931	9.1	7.5	6.8
<b>Household Size</b>										
1 Person .....	0.4	65.0	63.2	524	1,017	5,790	5,835	10.7	8.9	8.0
2 to 4 Persons .....	1.1	83.2	80.9	696	1,768	5,967	6,010	7.7	6.6	6.0
5 or More Persons .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

**Table 17. Natural Gas Consumption and Expenditures for Main Space Heating, per Northeast Region 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)	
<b>Middle Atlantic Division</b> .....	7.9	82.2	80.0	606	1,769	5,766	5,808	7.8	5.9	3.4
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and										
Over 5,500 HDD .....	3.6	90.9	88.4	635	1,924	6,486	6,507	7.1	5.1	4.4
Under 5,500 HDD .....	4.3	74.9	72.8	581	1,638	5,155	5,214	8.6	6.9	3.5
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 .....	4.9	98.2	95.5	711	2,255	5,864	5,907	7.2	5.4	3.5
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	2.9	55.8	54.3	432	961	5,574	5,616	10.1	8.1	6.6
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	2.2	49.0	47.7	372	674	5,543	5,579	12.8	10.0	4.1
1,000 to 1,999 .....	2.8	77.5	75.3	569	1,407	5,785	5,826	9.3	7.0	4.6
2,000 or More .....	2.8	114.1	111.0	833	3,030	5,926	5,974	6.2	4.6	4.2
<b>Ownership of Unit</b>										
Owned .....	5.0	98.9	96.2	719	2,236	5,879	5,916	7.3	5.5	3.7
Rented .....	2.8	52.3	50.9	403	932	5,562	5,614	9.8	7.8	4.9
<b>Year of Construction</b>										
1939 or Before .....	2.6	88.0	85.6	651	1,601	5,643	5,709	9.5	7.2	5.9
1940 to 1979 .....	4.1	86.6	84.3	633	1,863	5,762	5,790	7.9	5.9	5.3
1980 or After <sup>3</sup> .....	1.1	52.3	50.9	397	1,825	6,071	6,104	4.6	3.6	7.4
<b>1993 Family Income</b>										
Less than \$10,000 .....	1.3	68.3	66.5	487	1,162	5,615	5,690	10.2	7.5	5.5
\$10,000 to \$19,999 .....	1.7	81.3	79.0	570	1,333	5,948	5,988	10.0	7.2	6.4
\$20,000 to \$34,999 .....	1.6	74.8	72.7	562	1,607	5,758	5,805	7.9	6.1	5.9
\$35,000 to \$49,999 .....	1.4	80.8	78.6	611	2,085	5,705	5,723	6.6	5.1	6.6
\$50,000 or More .....	1.9	99.6	96.9	749	2,453	5,758	5,793	6.9	5.3	6.5
<b>Below Poverty Line</b>										
100 Percent .....	1.2	69.2	67.3	496	1,238	5,624	5,689	9.7	7.1	6.3
125 Percent .....	1.6	70.5	68.6	509	1,276	5,684	5,745	9.5	7.0	5.9
150 Percent .....	2.0	74.6	72.6	535	1,281	5,738	5,804	9.9	7.3	5.6
<b>Age of Householder</b>										
Under 35 Years .....	1.9	65.9	64.2	490	1,349	5,549	5,603	8.6	6.6	5.3
35 to 59 Years .....	3.2	83.8	81.5	629	2,073	5,750	5,779	6.8	5.3	5.3
60 Years and Over .....	2.8	91.5	89.0	657	1,703	5,931	5,979	8.8	6.5	4.5
<b>Household Size</b>										
1 Person .....	1.9	63.0	61.3	456	1,160	5,951	5,933	8.9	6.6	5.9
2 to 4 Persons .....	5.2	87.0	84.7	643	1,876	5,726	5,786	7.9	6.0	3.6
5 or More Persons .....	0.7	99.8	97.1	741	2,662	5,547	5,618	6.6	5.0	9.7

<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 18. Fuel Oil Consumption and Expenditures for Main Space Heating, per Northeast Region 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>Northeast Region</b>										
<b>Total Region</b> .....	7.0	89.3	644	578	1,860	5,984	5,997	0.058	5.2	4.4
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	3.8	99.6	718	645	2,075	6,701	6,687	0.052	4.6	5.3
Under 5,500 HDD .....	3.2	77.2	557	499	1,608	5,147	5,193	0.067	6.0	6.2
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 .....	4.6	108.2	780	719	2,285	6,253	6,252	0.055	5.0	4.6
Mobile Home .....	0.2	62.0	450	428	829	7,179	7,147	0.076	7.2	25.5
Multifamily (2 or more units) .....	2.3	53.0	382	304	1,083	5,335	5,383	0.066	5.3	5.6
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	1.8	42.9	309	247	715	5,490	5,531	0.079	6.3	5.3
1,000 to 1,999 .....	2.4	87.5	631	570	1,444	6,029	6,034	0.072	6.5	4.3
2,000 or More .....	2.8	120.7	871	798	2,958	6,264	6,267	0.047	4.3	5.4
<b>Ownership of Unit</b>										
Owned .....	4.7	105.7	762	701	2,205	6,236	6,232	0.055	5.1	4.4
Rented .....	2.3	56.1	405	328	1,163	5,475	5,524	0.064	5.2	5.4
<b>Year of Construction</b>										
1939 or Before .....	2.8	95.0	685	608	1,750	6,099	6,087	0.064	5.7	5.4
1940 to 1979 .....	3.5	87.0	628	568	1,866	5,785	5,832	0.058	5.3	5.6
1980 or After <sup>3</sup> .....	0.7	76.9	555	505	2,282	6,511	6,462	0.037	3.4	5.9
<b>1993 Family Income</b>										
Less than \$10,000 .....	1.0	69.6	502	429	1,396	5,770	5,785	0.062	5.3	7.8
\$10,000 to \$19,999 .....	1.1	89.8	647	560	1,518	6,368	6,362	0.067	5.8	7.0
\$20,000 to \$34,999 .....	1.5	89.1	643	575	1,760	5,892	5,939	0.062	5.5	9.8
\$35,000 to \$49,999 .....	1.6	79.8	575	518	1,956	5,961	5,966	0.049	4.4	5.7
\$50,000 or More .....	1.8	108.7	784	729	2,330	5,969	5,975	0.056	5.2	5.0
<b>Below Poverty Line</b>										
100 Percent .....	1.0	64.3	464	388	1,384	5,696	5,695	0.059	4.9	7.6
125 Percent .....	1.4	65.3	471	394	1,372	5,754	5,771	0.060	5.0	6.9
150 Percent .....	1.6	67.3	486	411	1,372	5,771	5,787	0.061	5.2	6.3
<b>Age of Householder</b>										
Under 35 Years .....	1.4	69.5	501	432	1,531	5,991	5,981	0.055	4.7	7.1
35 to 59 Years .....	3.6	85.7	618	564	1,949	5,987	5,995	0.053	4.8	4.2
60 Years and Over .....	2.1	108.8	785	701	1,929	5,973	6,013	0.068	6.1	7.1
<b>Household Size</b>										
1 Person .....	1.6	80.6	582	518	1,326	5,818	5,872	0.075	6.7	6.9
2 to 4 Persons .....	4.6	93.0	671	605	1,991	6,063	6,061	0.056	5.0	4.3
5 or More Persons .....	0.8	85.2	614	541	2,176	5,864	5,889	0.048	4.2	8.6

See footnotes at end of table.

**Table 18. Fuel Oil Consumption and Expenditures for Main Space Heating, per Northeast Region 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:	1.9	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.0	0.5	0.5	1.0 <sup>1</sup>	1.1 <sup>1</sup>	

**Northeast Region**

**Main Heating Equipment Using Fuel Oil**

Central Warm-Air Furnace .....	2.2	89.3	644	592	2,057	6,480	6,478	0.048	4.4	6.4
Steam or Hot-Water System .....	4.8	89.9	648	576	1,786	5,760	5,781	0.063	5.6	4.5
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

**Age of Main Heating Equipment**

Less than 5 Years .....	1.3	103.2	744	690	2,299	6,376	6,376	0.051	4.7	6.5
5 to 9 Years .....	0.9	95.4	688	624	1,958	6,170	6,148	0.057	5.2	5.3
10 to 19 Years .....	1.3	97.4	702	641	2,214	6,234	6,242	0.051	4.6	5.7
20 Years or More .....	2.1	99.4	717	648	1,818	5,908	5,930	0.067	6.0	5.1
Don't Know .....	1.4	50.6	365	288	1,136	5,391	5,432	0.060	4.7	7.5

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

No .....	2.3	107.2	773	714	2,400	6,344	6,312	0.051	4.7	5.3
Yes .....	4.7	80.4	580	511	1,593	5,807	5,842	0.063	5.5	4.4
Wood .....	1.5	114.9	829	773	2,682	6,350	6,347	0.049	4.5	6.7
Electricity .....	0.8	99.0	714	655	2,106	6,092	6,082	0.056	5.1	5.9
Kerosene .....	0.2	74.7	540	478	1,756	6,853	6,645	0.045	4.0	12.4
Other .....	0.1	112.6	812	766	2,175	6,399	6,250	0.058	5.5	11.1

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

Less than .95 .....	5.5	83.1	600	509	1,777	6,008	6,015	0.056	4.8	5.2
.95 to Less than 1.10 .....	1.3	111.7	805	811	2,161	5,948	5,994	0.063	6.3	7.6
1.10 or More .....	0.2	111.7	806	939	2,166	5,538	5,545	0.067	7.8	7.8

**Adequacy of Insulation**

Well Insulated .....	2.6	91.3	658	592	2,103	6,101	6,113	0.051	4.6	5.2
Adequately Insulated .....	3.0	87.3	629	570	1,762	5,845	5,870	0.061	5.5	5.4
Poorly Insulated .....	1.4	89.7	647	567	1,618	6,060	6,053	0.066	5.8	5.7

See footnotes at end of table.

**Table 18. Fuel Oil Consumption and Expenditures for Main Space Heating, per Northeast Region 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)	
<b>New England Division</b> .....	2.6	97.1	701	634	1,966	6,630	6,654	0.054	4.9	7.4
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	2.6	97.1	701	634	1,966	6,630	6,654	0.054	4.9	7.4
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	1.9	106.7	770	700	2,261	6,714	6,731	0.051	4.6	6.6
Mobile Home .....	Q	71.4	517	497	874	7,674	7,573	0.077	7.4	45.2
Multifamily (2 or more units) .....	0.6	70.9	512	446	1,213	6,159	6,229	0.068	6.0	13.5
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	0.6	57.3	413	359	763	6,444	6,472	0.084	7.3	11.5
1,000 to 1,999 .....	0.9	95.4	689	628	1,467	6,583	6,627	0.071	6.5	5.8
2,000 or More .....	1.1	120.6	870	791	3,048	6,773	6,778	0.042	3.8	7.5
<b>Ownership of Unit</b>										
Owned .....	1.9	104.7	755	687	2,230	6,704	6,723	0.051	4.6	6.4
Rented .....	0.7	75.1	542	479	1,202	6,416	6,457	0.070	6.2	11.4
<b>Year of Construction</b>										
1939 or Before .....	1.0	110.1	795	716	2,019	6,746	6,763	0.058	5.3	9.1
1940 to 1979 .....	1.2	88.9	641	580	1,816	6,469	6,507	0.055	4.9	7.7
1980 or After <sup>3</sup> .....	0.3	84.9	612	563	2,350	6,854	6,848	0.038	3.5	7.9
<b>1993 Family Income</b>										
Less than \$10,000 .....	0.2	87.3	630	589	1,418	6,646	6,701	0.067	6.3	12.2
\$10,000 to \$19,999 .....	0.6	100.4	724	645	1,607	6,975	6,962	0.065	5.8	9.5
\$20,000 to \$34,999 .....	0.5	86.7	626	558	1,822	6,915	6,928	0.050	4.4	11.8
\$35,000 to \$49,999 .....	0.6	89.4	645	586	2,057	6,422	6,464	0.049	4.4	6.9
\$50,000 or More .....	0.7	112.1	809	736	2,480	6,310	6,346	0.052	4.7	8.2
<b>Below Poverty Line</b>										
100 Percent .....	0.2	74.2	536	500	1,308	6,823	6,862	0.060	5.6	16.1
125 Percent .....	0.3	75.9	548	498	1,337	6,754	6,792	0.061	5.5	12.9
150 Percent .....	0.4	85.5	617	563	1,465	6,719	6,748	0.063	5.7	10.3
<b>Age of Householder</b>										
Under 35 Years .....	0.4	78.3	565	515	1,558	6,703	6,721	0.054	4.9	12.6
35 to 59 Years .....	1.2	90.0	649	587	2,034	6,606	6,636	0.048	4.4	6.6
60 Years and Over .....	0.9	116.9	843	761	2,077	6,627	6,646	0.061	5.5	8.3
<b>Household Size</b>										
1 Person .....	0.6	90.4	652	592	1,420	6,612	6,656	0.069	6.3	6.8
2 to 4 Persons .....	1.8	101.0	728	658	2,099	6,637	6,649	0.052	4.7	7.8
5 or More Persons .....	0.2	84.3	608	555	2,303	6,626	6,695	0.040	3.6	12.9

See footnotes at end of table.

**Table 18. Fuel Oil Consumption and Expenditures for Main Space Heating, per Northeast Region 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:	1.9	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.0	0.5	0.5	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	4.5	84.8	611	546	1,799	5,615	5,622	0.061	5.4	5.0
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and										
Over 5,500 HDD .....	1.2	104.7	755	669	2,303	6,846	6,754	0.048	4.2	5.2
Under 5,500 HDD .....	3.2	77.2	557	499	1,608	5,147	5,193	0.067	6.0	6.2
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 .....	2.7	109.3	788	732	2,301	5,936	5,922	0.058	5.4	5.8
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.7	46.9	338	255	1,038	5,053	5,093	0.064	4.9	5.3
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	1.2	35.9	259	193	692	5,027	5,075	0.074	5.5	4.9
1,000 to 1,999 .....	1.5	82.8	597	536	1,431	5,703	5,686	0.073	6.6	5.3
2,000 or More .....	1.7	120.9	871	803	2,902	5,950	5,951	0.050	4.6	6.7
<b>Ownership of Unit</b>										
Owned .....	2.8	106.3	767	711	2,188	5,918	5,899	0.059	5.5	5.6
Rented .....	1.7	48.6	351	269	1,148	5,106	5,158	0.060	4.6	5.2
<b>Year of Construction</b>										
1939 or Before .....	1.8	86.2	621	544	1,593	5,722	5,694	0.068	6.0	6.1
1940 to 1979 .....	2.3	86.0	621	561	1,891	5,431	5,482	0.060	5.5	6.8
1980 or After <sup>3</sup> .....	0.4	70.3	507	457	2,225	6,225	6,138	0.037	3.3	6.8
<b>1993 Family Income</b>										
Less than \$10,000 .....	0.8	64.3	464	380	1,390	5,504	5,507	0.061	5.0	9.9
\$10,000 to \$19,999 .....	0.5	78.9	569	473	1,428	5,749	5,749	0.069	5.8	7.6
\$20,000 to \$34,999 .....	1.0	90.3	651	584	1,728	5,367	5,431	0.070	6.3	12.5
\$35,000 to \$49,999 .....	1.0	74.4	537	480	1,899	5,704	5,688	0.050	4.4	8.1
\$50,000 or More .....	1.1	106.7	769	725	2,239	5,764	5,750	0.060	5.6	5.7
<b>Below Poverty Line</b>										
100 Percent .....	0.8	62.0	447	362	1,402	5,432	5,422	0.059	4.7	8.2
125 Percent .....	1.1	62.2	449	364	1,382	5,465	5,476	0.059	4.8	7.4
150 Percent .....	1.2	61.1	441	359	1,341	5,447	5,459	0.060	4.9	7.1
<b>Age of Householder</b>										
Under 35 Years .....	1.0	65.4	471	393	1,518	5,656	5,633	0.055	4.6	7.4
35 to 59 Years .....	2.3	83.4	601	551	1,904	5,659	5,655	0.056	5.1	5.1
60 Years and Over .....	1.2	102.9	742	657	1,820	5,494	5,550	0.074	6.6	9.4
<b>Household Size</b>										
1 Person .....	1.0	75.3	544	478	1,274	5,387	5,446	0.079	7.0	9.3
2 to 4 Persons .....	2.8	88.1	635	573	1,924	5,708	5,696	0.058	5.2	4.1
5 or More Persons .....	0.6	85.5	617	535	2,128	5,572	5,582	0.052	4.5	10.2

<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.

• 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 19. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, Northeast Region 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 Floor-space (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:	0.8	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.7	1.4 <sup>1</sup>	1.4 <sup>1</sup>	1.5 <sup>1</sup>	0.9	0.5	0.5	0.7 <sup>1</sup>	0.9 <sup>1</sup>	

**Northeast Region**

<b>Total Region</b> .....	10.9	39.2	1.39	3.8	6.3	1,848	218	2,508	896	690	0.82	9.7	6.5
<b>Climate Zone<sup>3</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	5.3	16.3	0.50	2.0	4.9	1,447	151	2,452	732	550	0.81	8.4	9.7
Under 5,500 HDD .....	5.6	22.9	0.88	1.8	7.8	2,299	294	2,572	1,081	848	0.83	10.6	8.5
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 .....	6.8	29.7	1.01	2.9	7.2	2,102	244	2,953	900	699	0.79	9.2	7.8
Mobile Home .....	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	1.34	16.2	47.5
Multifamily (2 or more units) .....	3.8	8.5	0.34	0.8	3.6	1,053	138	1,159	901	680	1.01	13.3	15.4
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	2.9	6.1	0.23	0.4	3.6	1,062	135	868	943	692	1.30	16.4	12.4
1,000 to 1,999 .....	3.8	11.2	0.39	1.4	4.2	1,222	137	1,603	883	677	0.86	9.7	9.8
2,000 or More .....	4.2	21.9	0.76	2.0	8.4	2,470	295	3,517	896	699	0.78	9.4	8.3
<b>Ownership of Unit</b>													
Owned .....	7.2	30.8	1.06	3.0	7.0	2,040	239	2,841	901	699	0.80	9.3	7.2
Rented .....	3.7	8.4	0.32	0.8	3.7	1,093	136	1,202	877	655	1.04	12.9	14.8
<b>Year of Construction</b>													
1939 or Before .....	3.0	7.8	0.28	0.3	9.6	2,827	303	3,297	820	635	1.04	11.2	18.3
1940 to 1979 .....	5.9	22.6	0.81	2.1	6.7	1,977	243	2,626	926	721	0.81	10.0	9.6
1980 or After <sup>4</sup> .....	2.1	8.9	0.29	1.5	5.1	1,495	168	2,205	867	656	0.78	8.8	12.0
<b>1993 Family Income</b>													
Less than \$10,000 .....	1.3	3.3	0.12	0.3	4.4	1,283	144	1,298	914	706	1.08	12.1	17.1
\$10,000 to \$19,999 .....	1.7	4.0	0.14	0.5	3.3	972	118	1,555	872	663	0.72	8.7	15.6
\$20,000 to \$34,999 .....	2.2	7.6	0.28	0.8	5.9	1,743	216	2,253	927	702	0.83	10.3	12.8
\$35,000 to \$49,999 .....	2.3	6.6	0.23	0.6	5.0	1,476	156	2,445	840	683	0.72	7.6	9.7
\$50,000 or More .....	3.3	17.6	0.62	1.7	8.0	2,343	279	3,092	905	691	0.84	10.0	9.2
<b>Below Poverty Line</b>													
100 Percent .....	1.3	3.4	0.12	0.3	4.6	1,356	154	1,338	932	730	1.09	12.4	18.4
125 Percent .....	1.8	4.7	0.17	0.4	4.6	1,346	154	1,408	945	722	1.01	11.6	15.4
150 Percent .....	2.1	5.5	0.19	0.4	4.8	1,402	153	1,539	925	710	0.98	10.8	15.7
<b>Age of Householder</b>													
Under 35 Years .....	2.4	6.9	0.24	0.7	5.3	1,564	173	1,927	996	753	0.82	9.0	11.4
35 to 59 Years .....	5.2	22.1	0.79	1.8	7.5	2,205	267	2,962	892	695	0.83	10.1	8.8
60 Years and Over .....	3.3	10.2	0.35	1.3	5.1	1,494	174	2,178	849	649	0.81	9.4	9.4

See footnotes at end of table.

**Table 19. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, Northeast Region 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		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>	Consumption (kWh/CDD*1000 square feet)	Expenditures (cents/CDD*1000 square feet)	
RSE Column Factor:	0.8	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.7	1.4 <sup>1</sup>	1.4 <sup>1</sup>	1.5 <sup>1</sup>	0.9	0.5	0.5	0.7 <sup>1</sup>	0.9 <sup>1</sup>	

**Northeast Region**

<b>Household Size</b>													
1 Person .....	2.5	5.9	0.21	0.9	3.5	1,013	119	1,771	813	627	0.70	8.2	11.1
2 to 4 Persons .....	7.5	27.1	0.93	2.5	6.6	1,928	219	2,577	918	706	0.81	9.2	5.6
5 or More Persons .....	1.0	6.2	0.24	0.4	11.3	3,313	452	3,816	952	741	0.91	12.4	20.4
<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 .....	3.6	15.4	0.62	1.1	9.2	2,687	347	2,526	1,220	938	0.87	11.3	12.2
500 to 999 .....	7.0	23.2	0.75	2.6	5.2	1,528	168	2,484	779	601	0.79	8.7	7.1
Fewer than 500 .....	0.4	0.7	0.02	Q	Q	Q	Q	Q	Q	Q	Q	Q	32.9
<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 .....	1.8	7.4	0.17	0.6	6.6	1,921	150	2,717	801	673	0.88	6.9	24.2
9 or More .....	9.1	31.8	1.21	3.2	6.3	1,833	233	2,469	916	694	0.81	10.3	7.8
<b>Number of Rooms Usually Air Conditioned</b>													
1 to 3 .....	5.7	9.9	0.37	0.4	3.0	870	103	907	1,066	789	0.90	10.6	8.4
4 to 6 .....	3.2	12.4	0.43	1.7	4.3	1,248	146	1,738	853	654	0.84	9.8	9.4
7 or More .....	2.0	16.9	0.58	1.7	9.0	2,640	313	3,600	901	704	0.81	9.7	9.5
<b>Frequency of Use of Air Conditioning<sup>5</sup></b>													
Only a Few Times .....	6.2	12.9	0.45	1.7	3.6	1,066	126	2,380	853	655	0.52	6.2	7.8
Quite a Bit .....	3.2	14.5	0.54	1.2	7.0	2,044	247	2,330	921	701	0.95	11.5	8.8
All Summer .....	1.6	11.7	0.39	0.9	10.4	3,049	353	2,988	943	740	1.08	12.5	8.1
<b>Age of Air Conditioning Equipment<sup>5</sup></b>													
Less than 5 Years .....	3.7	11.3	0.41	1.2	4.9	1,443	179	2,455	818	632	0.72	8.9	9.4
5 to 9 Years .....	3.4	12.2	0.42	1.0	7.1	2,092	230	2,949	872	675	0.81	9.0	10.8
10 or More Years .....	3.1	14.0	0.49	1.4	7.4	2,160	261	2,492	966	741	0.90	10.8	8.8
Don't Know .....	0.7	1.4	0.05	Q	3.9	1,141	129	1,062	947	741	1.13	12.9	31.4

See footnotes at end of table.

**Table 19. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, Northeast Region 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		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>	Consumption (kWh/CDD*1000 square feet)	Expenditures (cents/CDD*1000 square feet)	
RSE Column Factor:	0.8	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.7	1.4 <sup>1</sup>	1.4 <sup>1</sup>	1.5 <sup>1</sup>	0.9	0.5	0.5	0.7 <sup>1</sup>	0.9 <sup>1</sup>	
<b>New England Division</b> .....	2.1	7.2	0.23	0.6	6.7	1,951	209	2,746	730	521	0.97	10.4	11.9
<b>Climate Zone<sup>3</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	2.1	7.2	0.23	0.6	6.7	1,951	209	2,746	730	521	0.97	10.4	11.9
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	1.3	5.4	0.17	0.4	7.9	2,326	249	3,387	715	509	0.96	10.3	16.2
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	0.8	1.6	0.05	0.1	3.0	873	95	914	756	549	1.26	13.7	12.8
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	0.7	1.5	0.05	0.1	2.8	834	95	752	800	590	1.39	15.8	12.1
1,000 to 1,999 .....	0.7	1.6	0.05	0.2	3.2	933	103	1,943	656	473	0.73	8.0	19.3
2,000 or More .....	0.8	4.1	0.13	0.3	10.2	2,998	318	3,988	748	526	1.00	10.6	15.9
<b>Ownership of Unit</b>													
Owned .....	1.4	5.7	0.18	0.4	8.3	2,422	259	3,343	744	527	0.97	10.4	14.6
Rented .....	0.8	1.5	0.05	0.2	2.8	812	90	1,302	695	508	0.90	9.9	13.3
<b>Year of Construction</b>													
1939 or Before .....	0.6	2.3	0.07	Q	Q	Q	Q	Q	Q	Q	1.48	13.2	23.7
1940 to 1979 .....	1.1	3.2	0.11	0.2	5.0	1,467	168	2,157	787	564	0.86	9.9	8.3
1980 or After <sup>4</sup> .....	0.4	1.7	0.06	0.3	5.6	1,643	192	2,757	703	504	0.85	9.9	21.9
<b>1993 Family Income</b>													
Less than \$10,000 .....	0.2	0.5	0.02	Q	Q	Q	Q	Q	Q	Q	1.40	17.9	20.6
\$10,000 to \$19,999 .....	0.3	0.6	0.02	Q	Q	Q	Q	Q	Q	Q	Q	9.1	16.4
\$20,000 to \$34,999 .....	0.4	1.1	0.04	Q	Q	Q	Q	Q	Q	Q	1.03	10.9	26.6
\$35,000 to \$49,999 .....	0.4	1.0	0.03	Q	Q	Q	Q	Q	Q	Q	0.97	11.4	13.2
\$50,000 or More .....	0.8	4.0	0.12	0.3	8.7	2,555	268	3,611	714	501	0.99	10.4	16.3
<b>Below Poverty Line</b>													
100 Percent .....	0.2	0.5	0.02	Q	Q	Q	Q	Q	Q	Q	1.40	17.9	17.9
125 Percent .....	0.3	0.6	0.02	Q	Q	Q	Q	Q	Q	Q	1.49	18.5	18.2
150 Percent .....	0.3	0.7	0.02	Q	Q	Q	Q	Q	Q	Q	1.49	18.5	15.7
<b>Age of Householder</b>													
Under 35 Years .....	0.5	1.1	0.04	0.1	5.7	1,683	192	2,093	668	478	1.20	13.7	23.4
35 to 59 Years .....	1.0	3.6	0.12	0.3	6.8	1,989	219	2,995	722	513	0.92	10.1	12.7
60 Years and Over .....	0.7	2.5	0.08	0.3	6.8	1,986	205	2,686	753	541	0.98	10.1	16.9
<b>Household Size</b>													
1 Person .....	0.5	1.3	0.04	0.2	4.2	1,245	139	1,530	770	566	1.06	11.8	18.8
2 to 4 Persons .....	1.5	5.3	0.17	0.4	7.6	2,218	233	3,239	715	503	0.96	10.1	16.4
5 or More Persons .....	0.1	0.6	0.02	Q	Q	Q	Q	Q	Q	Q	1.24	15.1	22.4

See footnotes at end of table.

**Table 19. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, Northeast Region 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		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>	Consumption (kWh/CDD*1000 square feet)	Expenditures (cents/CDD*1000 square feet)	
RSE Column Factor:	0.8	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.7	1.4 <sup>1</sup>	1.4 <sup>1</sup>	1.5 <sup>1</sup>	0.9	0.5	0.5	0.7 <sup>1</sup>	0.9 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	8.8	32.0	1.15	3.2	6.2	1,829	220	2,465	927	721	0.80	9.6	7.3
<b>Climate Zone<sup>3</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	3.2	9.1	0.27	1.4	4.2	1,238	126	2,331	733	561	0.72	7.4	12.7
Under 5,500 HDD .....	5.6	22.9	0.88	1.8	7.8	2,299	294	2,572	1,081	848	0.83	10.6	8.5
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 .....	5.5	24.3	0.83	2.4	7.0	2,062	243	2,874	934	733	0.77	9.1	8.5
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	3.1	6.9	0.29	0.7	3.7	1,089	147	1,209	930	707	0.97	13.1	21.0
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	2.2	4.6	0.18	0.3	3.9	1,144	149	910	994	728	1.26	16.4	15.9
1,000 to 1,999 .....	3.2	9.6	0.34	1.2	4.3	1,264	142	1,553	916	707	0.89	10.0	10.6
2,000 or More .....	3.4	17.8	0.63	1.7	8.1	2,377	291	3,433	922	730	0.75	9.2	9.6
<b>Ownership of Unit</b>													
Owned .....	5.8	25.2	0.88	2.6	6.8	1,979	236	2,761	926	726	0.77	9.2	8.2
Rented .....	3.0	6.9	0.27	0.6	Q	Q	Q	1,174	929	697	1.08	13.7	20.8
<b>Year of Construction</b>													
1939 or Before .....	2.3	5.5	0.21	0.2	7.2	2,109	268	2,775	907	727	0.84	10.6	22.6
1940 to 1979 .....	4.8	19.4	0.71	1.9	7.0	2,041	253	2,685	943	741	0.81	10.0	10.7
1980 or After <sup>4</sup> .....	1.7	7.1	0.23	1.2	5.0	1,462	163	2,081	904	690	0.78	8.7	13.8
<b>1993 Family Income</b>													
Less than \$10,000 .....	1.1	2.8	0.10	0.2	4.7	1,366	151	1,404	922	715	1.06	11.7	21.0
\$10,000 to \$19,999 .....	1.4	3.4	0.12	0.4	3.3	954	118	1,542	882	673	0.70	8.7	18.2
\$20,000 to \$34,999 .....	1.8	6.5	0.24	0.7	6.1	1,780	224	2,274	963	732	0.81	10.2	14.1
\$35,000 to \$49,999 .....	1.9	5.7	0.19	0.5	5.0	1,479	154	2,495	862	712	0.69	7.2	10.6
\$50,000 or More .....	2.5	13.7	0.50	1.4	7.8	2,297	282	2,979	947	733	0.81	10.0	10.2
<b>Below Poverty Line</b>													
100 Percent .....	1.1	2.9	0.10	0.2	5.0	1,467	165	1,469	945	746	1.06	11.9	22.3
125 Percent .....	1.5	4.1	0.15	0.3	4.8	1,417	161	1,508	960	734	0.98	11.1	18.1
150 Percent .....	1.7	4.7	0.17	0.4	5.0	1,469	160	1,641	935	719	0.96	10.4	18.3
<b>Age of Householder</b>													
Under 35 Years .....	1.9	5.8	0.20	0.6	5.3	1,551	171	1,908	1,033	784	0.79	8.7	13.1
35 to 59 Years .....	4.2	18.6	0.67	1.6	7.6	2,239	275	2,956	919	724	0.82	10.1	9.8
60 Years and Over .....	2.7	7.7	0.28	1.0	4.7	1,364	165	2,044	874	678	0.76	9.3	11.0

See footnotes at end of table.



**Table 19. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, Northeast Region 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		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>	Consumption (kWh/CDD*1000 square feet)	Expenditures (cents/CDD*1000 square feet)	
RSE Column Factor:	0.8	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.7	1.4 <sup>1</sup>	1.4 <sup>1</sup>	1.5 <sup>1</sup>	0.9	0.5	0.5	0.7 <sup>1</sup>	0.9 <sup>1</sup>	

**Household Size**

1 Person .....	2.0	4.6	0.17	0.7	3.3	957	114	1,830	824	641	0.64	7.5	12.9
2 to 4 Persons .....	6.0	21.8	0.76	2.1	6.4	1,874	216	2,452	957	744	0.80	9.2	5.8
5 or More Persons .....	0.9	5.6	0.22	0.4	11.3	3,308	454	3,791	965	753	0.90	12.4	21.6

<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 20. Electricity Consumption and Expenditures for Room Air Conditioning, per Northeast Region 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)	
RSE Column Factor:	1.5	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.2	0.5	0.5	1.1 <sup>1</sup>	1.2 <sup>1</sup>	
<b>Northeast Region</b>										
<b>Total Region</b> .....	7.1	2.1	624	78	909	951	748	0.72	9.0	5.0
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	3.3	1.9	554	59	873	740	542	0.86	9.2	5.7
Under 5,500 HDD .....	3.8	2.3	685	93	940	1,136	928	0.64	8.8	7.6
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 .....	3.9	2.3	680	78	1,151	892	688	0.66	7.6	7.1
Mobile Home .....	0.2	3.3	981	109	636	727	543	2.12	23.5	18.6
Multifamily (2 or more units) .....	3.0	1.8	531	75	606	1,039	837	0.84	11.9	5.5
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	2.5	1.8	532	70	465	990	789	1.15	15.3	5.1
1,000 to 1,999 .....	2.4	2.2	646	81	890	948	746	0.77	9.6	5.8
2,000 or More .....	2.2	2.4	705	82	1,434	908	703	0.54	6.3	7.7
<b>Ownership of Unit</b>										
Owned .....	4.2	2.3	676	80	1,155	903	702	0.65	7.7	6.7
Rented .....	2.9	1.9	550	74	559	1,018	813	0.97	13.0	4.5
<b>Year of Construction</b>										
1939 or Before .....	2.7	2.0	576	75	872	984	777	0.67	8.7	7.9
1940 to 1979 .....	3.8	2.2	655	81	909	942	741	0.76	9.4	6.7
1980 or After <sup>3</sup> .....	0.6	2.2	646	71	1,060	862	666	0.71	7.7	10.3
<b>1993 Family Income</b>										
Less than \$10,000 .....	1.0	2.0	578	75	633	991	791	0.92	11.9	7.3
\$10,000 to \$19,999 .....	1.3	2.0	572	68	756	924	717	0.82	9.7	8.3
\$20,000 to \$34,999 .....	1.5	2.2	636	79	862	939	737	0.79	9.7	8.2
\$35,000 to \$49,999 .....	1.8	2.1	612	77	1,026	984	779	0.61	7.6	9.0
\$50,000 or More .....	1.6	2.4	698	87	1,127	920	719	0.67	8.4	6.4
<b>Below Poverty Line</b>										
100 Percent .....	1.0	2.2	637	81	673	1,001	797	0.95	12.1	6.2
125 Percent .....	1.4	2.1	617	80	609	1,001	797	1.01	13.1	6.0
150 Percent .....	1.6	2.1	612	78	637	999	793	0.96	12.3	6.6
<b>Age of Householder</b>										
Under 35 Years .....	1.7	1.9	555	71	691	978	776	0.82	10.6	5.1
35 to 59 Years .....	3.4	2.5	721	89	1,021	961	760	0.73	9.1	7.2
60 Years and Over .....	2.0	1.8	521	64	904	911	703	0.63	7.8	6.1
<b>Household Size</b>										
1 Person .....	1.5	1.8	518	68	711	940	747	0.78	10.2	7.9
2 to 4 Persons .....	5.0	2.1	627	77	965	953	744	0.68	8.4	5.1
5 or More Persons .....	0.6	3.0	880	105	937	962	780	0.98	11.6	9.1

See footnotes at end of table.

**Table 20. Electricity Consumption and Expenditures for Room Air Conditioning, per Northeast Region 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:										

**Northeast Region**

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

2,000 or More .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1,000 to 1,999 .....	2.5	2.2	634	95	745	1,272	1,019	0.67	10.0	7.6
500 to 999 .....	4.4	2.2	634	70	994	806	626	0.79	8.7	6.4
Fewer than 500 .....	0.3	1.3	372	45	1,036	346	236	1.04	12.6	15.1

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

Less than 6 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
6 to Less than 9 .....	1.1	2.8	807	65	1,225	816	650	0.81	6.4	15.4
9 or More .....	6.0	2.0	589	80	846	976	766	0.71	9.7	5.0

**Number of Rooms Usually Air Conditioned**

1 Room .....	2.3	1.1	331	44	329	926	735	1.09	14.6	3.8
2 Rooms .....	1.9	1.8	542	72	654	984	774	0.84	11.2	4.3
3 or More .....	2.9	3.1	908	107	1,531	948	740	0.63	7.4	6.4

**Frequency of Use of Air Conditioning**

Only a Few Times .....	4.5	1.5	440	53	929	922	718	0.51	6.2	5.9
Quite a Bit .....	2.0	3.1	900	120	879	1,043	835	0.98	13.1	5.3
All Summer .....	0.7	3.6	1,045	117	855	866	684	1.41	15.8	12.4

**Age of Air Conditioning Equipment**

Less than 5 Years .....	2.5	2.2	635	79	751	985	778	0.86	10.7	5.0
5 to 9 Years .....	2.3	2.1	616	78	1,054	968	757	0.60	7.7	7.6
10 or More Years .....	1.8	2.3	674	80	1,053	887	687	0.72	8.5	8.0
Don't Know .....	0.5	1.5	443	59	537	928	765	0.89	11.9	11.3

**Number of Room Air Conditioners**

1 .....	4.2	1.8	515	64	663	937	729	0.83	10.3	5.3
2 .....	2.2	2.4	713	88	1,169	963	761	0.63	7.8	6.4
3 or More .....	0.7	3.3	977	123	1,535	994	813	0.64	8.0	10.0

See footnotes at end of table.

**Table 20. Electricity Consumption and Expenditures for Room Air Conditioning, per Northeast Region 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:	1.5	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.2	0.5	0.5	1.1 <sup>1</sup>	1.2 <sup>1</sup>	
<b>New England Division</b> .....	1.5	2.1	606	69	911	770	556	0.86	9.9	8.2
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	1.5	2.1	606	69	911	770	556	0.86	9.9	8.2
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	0.8	2.2	650	74	1,071	739	529	0.82	9.3	12.9
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	0.6	1.8	533	62	741	833	608	0.86	10.1	10.2
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	0.6	2.0	579	67	525	812	590	1.36	15.7	7.8
1,000 to 1,999 .....	0.5	2.1	622	70	928	761	546	0.88	9.9	14.5
2,000 or More .....	0.5	2.1	622	72	1,360	729	525	0.63	7.2	9.4
<b>Ownership of Unit</b>										
Owned .....	0.9	2.2	658	75	1,107	731	529	0.81	9.3	9.7
Rented .....	0.6	1.8	521	60	589	835	600	1.06	12.2	8.0
<b>Year of Construction</b>										
1939 or Before .....	0.6	1.8	540	62	1,054	738	537	0.69	7.9	13.1
1940 to 1979 .....	0.8	2.2	650	75	812	803	577	1.00	11.4	8.2
1980 or After <sup>3</sup> .....	0.1	2.0	594	68	946	682	491	0.92	10.6	26.6
<b>1993 Family Income</b>										
Less than \$10,000 .....	0.2	2.4	707	78	778	826	594	1.10	12.1	18.9
\$10,000 to \$19,999 .....	0.3	1.6	468	55	636	762	553	0.97	11.5	15.0
\$20,000 to \$34,999 .....	0.3	2.1	620	73	1,133	762	544	0.72	8.5	12.5
\$35,000 to \$49,999 .....	0.3	1.8	519	61	759	756	542	0.91	10.6	13.1
\$50,000 or More .....	0.5	2.4	697	78	1,074	771	562	0.84	9.4	13.9
<b>Below Poverty Line</b>										
100 Percent .....	0.2	2.5	735	82	740	816	585	1.22	13.5	15.7
125 Percent .....	0.2	2.3	681	77	721	793	569	1.19	13.4	17.7
150 Percent .....	0.3	2.2	644	72	711	805	577	1.13	12.6	15.0
<b>Age of Householder</b>										
Under 35 Years .....	0.4	1.8	528	59	729	807	583	0.90	10.1	9.1
35 to 59 Years .....	0.7	2.4	712	82	1,007	769	555	0.92	10.5	7.9
60 Years and Over .....	0.4	1.7	492	57	924	734	529	0.73	8.4	13.9
<b>Household Size</b>										
1 Person .....	0.3	1.7	508	60	794	784	565	0.82	9.7	11.0
2 to 4 Persons .....	1.1	2.0	590	68	946	767	555	0.81	9.3	8.6
5 or More Persons .....	0.1	3.7	1,084	116	890	755	543	1.61	17.3	15.4

See footnotes at end of table.

**Table 20. Electricity Consumption and Expenditures for Room Air Conditioning, per Northeast Region 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:	1.5	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.2	0.5	0.5	1.1 <sup>1</sup>	1.2 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	5.6	2.1	629	80	908	1,000	800	0.69	8.8	5.9
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and Over 5,500 HDD .....	1.8	1.7	510	51	842	714	529	0.85	8.5	7.0
Under 5,500 HDD .....	3.8	2.3	685	93	940	1,136	928	0.64	8.8	7.6
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 .....	3.1	2.3	687	79	1,172	933	730	0.63	7.3	8.1
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	2.4	1.8	531	79	570	1,094	897	0.85	12.6	6.7
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	1.9	1.8	518	71	448	1,044	848	1.11	15.3	6.4
1,000 to 1,999 .....	1.9	2.2	652	83	881	994	794	0.74	9.5	6.1
2,000 or More .....	1.7	2.5	728	85	1,455	958	752	0.52	6.1	9.3
<b>Ownership of Unit</b>										
Owned .....	3.2	2.3	682	82	1,168	954	753	0.61	7.3	7.8
Rented .....	2.4	1.9	557	77	551	1,063	865	0.95	13.2	5.3
<b>Year of Construction</b>										
1939 or Before .....	2.2	2.0	585	78	825	1,047	839	0.68	9.1	9.6
1940 to 1979 .....	2.9	2.2	656	82	938	982	788	0.71	8.9	8.0
1980 or After <sup>3</sup> .....	0.5	2.2	658	71	1,087	903	706	0.67	7.2	11.3
<b>1993 Family Income</b>										
Less than \$10,000 .....	0.9	1.9	556	74	607	1,020	825	0.90	12.0	7.2
\$10,000 to \$19,999 .....	1.0	2.0	598	71	787	965	758	0.79	9.3	9.1
\$20,000 to \$34,999 .....	1.2	2.2	640	80	799	981	782	0.82	10.2	9.5
\$35,000 to \$49,999 .....	1.4	2.2	634	81	1,090	1,038	835	0.56	7.1	10.2
\$50,000 or More .....	1.1	2.4	699	91	1,152	989	793	0.61	8.0	7.2
<b>Below Poverty Line</b>										
100 Percent .....	0.8	2.1	618	81	660	1,037	839	0.90	11.9	6.9
125 Percent .....	1.2	2.1	606	81	589	1,037	838	0.99	13.2	5.9
150 Percent .....	1.3	2.1	606	80	622	1,039	837	0.94	12.4	6.8
<b>Age of Householder</b>										
Under 35 Years .....	1.3	1.9	564	75	679	1,033	838	0.80	10.7	6.2
35 to 59 Years .....	2.6	2.5	724	91	1,024	1,014	816	0.70	8.8	8.6
60 Years and Over .....	1.7	1.8	528	65	900	952	744	0.62	7.6	6.7
<b>Household Size</b>										
1 Person .....	1.2	1.8	521	70	689	981	795	0.77	10.3	9.6
2 to 4 Persons .....	3.9	2.2	637	80	971	1,005	798	0.65	8.2	6.0
5 or More Persons .....	0.5	2.9	836	102	947	1,007	831	0.88	10.7	11.1

<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 21. Total Electricity and Natural Gas Consumption and Expenditures for Water Heating in Northeast Region Households, 1993**

Characteristics	Electricity				Natural Gas				RSE Row Factors
	House- holds (million)	Total Consumed		Total Expenditures (billion dollars)	House- holds (million)	Total Consumed		Total Expenditures (billion dollars)	
		(tril- lion Btu)	(billion kWh)			(tril- lion Btu)	(billion cubic feet)		
	RSE Column Factor:	1.1	1.1 <sup>1</sup>	1.1 <sup>1</sup>	0.8	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	

**Northeast Region**

<b>Total Region</b> .....	4.6	44.0	12.9	1.31	10.1	259.6	252	2.04	11.7
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and Over 5,500 HDD .....	3.4	34.2	10.0	1.01	5.4	136.5	133	1.04	17.6
Under 5,500 HDD .....	1.1	9.8	2.9	0.30	4.8	123.0	120	1.00	12.3
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 .....	3.1	32.0	9.4	0.95	5.9	157.5	153	1.21	10.8
Mobile Home .....	0.5	4.2	1.2	0.13	Q	Q	Q	Q	28.9
Multifamily (2 or more units) .....	0.9	7.8	2.3	0.23	4.2	102.1	99	0.84	17.1
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	1.2	9.1	2.7	0.29	3.3	73.8	72	0.60	14.1
1,000 to 1,999 .....	1.6	15.2	4.4	0.45	3.5	89.4	87	0.70	15.4
2,000 or More .....	1.8	19.7	5.8	0.57	3.3	96.4	94	0.74	13.4
<b>Ownership of Unit</b>									
Owned .....	3.2	32.0	9.4	0.95	6.1	159.5	155	1.23	11.1
Rented .....	1.4	12.0	3.5	0.36	4.0	100.0	97	0.81	15.8
<b>Year of Construction</b>									
1939 or Before .....	1.1	10.1	3.0	0.32	3.7	95.0	92	0.76	15.6
1940 to 1979 .....	2.2	20.5	6.0	0.60	5.2	133.6	130	1.03	15.0
1980 or After <sup>3</sup> .....	1.3	13.5	4.0	0.39	1.2	31.0	30	0.25	19.5
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.6	5.0	1.5	0.16	1.8	40.4	39	0.31	17.1
\$10,000 to \$19,999 .....	0.9	7.4	2.2	0.22	2.1	49.3	48	0.37	21.9
\$20,000 to \$34,999 .....	1.1	9.7	2.9	0.28	1.9	41.7	41	0.34	13.5
\$35,000 to \$49,999 .....	1.0	11.6	3.4	0.34	1.8	49.5	48	0.39	14.8
\$50,000 or More .....	1.0	10.3	3.0	0.31	2.6	78.8	77	0.63	13.7
<b>Below Poverty Line</b>									
100 Percent .....	0.6	5.9	1.7	0.18	1.7	46.1	45	0.35	16.2
125 Percent .....	0.8	8.4	2.5	0.26	2.2	58.6	57	0.45	15.5
150 Percent .....	1.0	10.7	3.1	0.32	2.7	70.7	69	0.54	15.0
<b>Age of Householder</b>									
Under 35 Years .....	1.1	12.4	3.6	0.36	2.5	70.1	68	0.55	14.6
35 to 59 Years .....	2.3	24.6	7.2	0.73	4.1	120.9	118	0.96	13.3
60 Years and Over .....	1.2	6.9	2.0	0.22	3.5	68.6	67	0.53	14.2
<b>Household Size</b>									
1 Person .....	1.0	4.7	1.4	0.15	2.6	38.3	37	0.30	16.6
2 to 4 Persons .....	3.1	32.5	9.5	0.96	6.7	186.3	181	1.47	11.3
5 or More Persons .....	0.4	6.8	2.0	0.20	0.9	34.9	34	0.27	18.1

See footnotes at end of table.

**Table 21. Total Electricity and Natural Gas Consumption and Expenditures for Water Heating in Northeast Region Households, 1993 (Continued)**

Characteristics	Electricity				Natural Gas				RSE Row Factors
	House- holds (million)	Total Consumed		Total Expenditures (billion dollars)	House- holds (million)	Total Consumed		Total Expenditures (billion dollars)	
		(tril- lion Btu)	(billion kWh)			(tril- lion Btu)	(billion cubic feet)		
	RSE Column Factor:	1.1	1.1 <sup>1</sup>	1.1 <sup>1</sup>	0.8	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	
<b>New England Division</b> .....	1.4	13.7	4.0	0.44	1.9	47.4	46	0.41	21.6
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and Over 5,500 HDD .....	1.4	13.7	4.0	0.44	1.9	47.4	46	0.41	21.6
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	0.9	9.6	2.8	0.32	0.8	21.8	21	0.19	22.3
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	0.3	2.3	0.7	0.07	1.0	25.6	25	0.22	21.0
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	0.5	4.2	1.2	0.13	0.8	19.9	19	0.17	21.1
1,000 to 1,999 .....	0.5	4.9	1.4	0.16	0.6	14.7	14	0.13	31.7
2,000 or More .....	0.5	4.6	1.3	0.15	0.5	12.8	12	0.11	24.8
<b>Ownership of Unit</b>									
Owned .....	1.0	9.5	2.8	0.31	0.9	23.0	22	0.20	23.8
Rented .....	0.5	4.1	1.2	0.13	1.0	24.4	24	0.21	21.0
<b>Year of Construction</b>									
1939 or Before .....	0.4	4.2	1.2	0.14	0.9	21.2	21	0.19	24.5
1940 to 1979 .....	0.6	6.0	1.7	0.19	0.9	21.4	21	0.17	24.7
1980 or After <sup>3</sup> .....	0.4	3.5	1.0	0.12	0.1	4.8	5	0.04	30.9
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.1	1.0	0.3	0.03	0.3	8.3	8	0.07	30.4
\$10,000 to \$19,999 .....	Q	2.5	0.7	0.08	0.4	9.9	10	0.09	33.4
\$20,000 to \$34,999 .....	0.3	2.9	0.9	0.10	0.3	6.1	6	0.05	22.1
\$35,000 to \$49,999 .....	0.4	3.9	1.1	0.12	0.3	7.3	7	0.06	29.2
\$50,000 or More .....	0.3	3.3	1.0	0.11	0.6	15.7	15	0.13	18.8
<b>Below Poverty Line</b>									
100 Percent .....	0.2	1.8	0.5	0.06	0.4	10.5	10	0.09	36.1
125 Percent .....	0.2	2.3	0.7	0.08	0.4	12.6	12	0.11	32.0
150 Percent .....	0.3	2.8	0.8	0.09	0.5	14.2	14	0.12	30.3
<b>Age of Householder</b>									
Under 35 Years .....	0.3	3.2	0.9	0.10	0.5	16.0	16	0.14	27.6
35 to 59 Years .....	0.7	7.7	2.3	0.25	0.8	20.1	20	0.17	24.1
60 Years and Over .....	0.4	2.8	0.8	0.09	0.6	11.2	11	0.09	21.3
<b>Household Size</b>									
1 Person .....	0.3	1.6	0.5	0.05	0.5	6.6	6	0.05	23.6
2 to 4 Persons .....	0.9	9.5	2.8	0.31	1.3	36.5	36	0.32	20.7
5 or More Persons .....	0.2	2.5	0.7	0.08	0.1	4.2	4	0.04	31.3

See footnotes at end of table.

**Table 21. Total Electricity and Natural Gas Consumption and Expenditures for Water Heating in Northeast Region Households, 1993 (Continued)**

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>	1.1 <sup>1</sup>	0.8	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	3.1	30.4	8.9	0.86	8.3	212.2	206	1.64	14.5
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and									
Over 5,500 HDD .....	2.0	20.5	6.0	0.56	3.5	89.2	87	0.64	26.1
Under 5,500 HDD .....	1.1	9.8	2.9	0.30	4.8	123.0	120	1.00	12.3
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 .....	2.2	22.4	6.6	0.63	5.1	135.6	132	1.02	12.8
Mobile Home .....	0.3	2.5	0.7	0.08	Q	Q	Q	Q	33.9
Multifamily (2 or more units) .....	0.6	5.5	1.6	0.16	3.2	76.5	74	0.62	22.9
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	0.7	4.9	1.4	0.16	2.5	53.9	52	0.43	19.9
1,000 to 1,999 .....	1.2	10.3	3.0	0.29	3.0	74.7	73	0.57	17.9
2,000 or More .....	1.3	15.1	4.4	0.41	2.8	83.6	81	0.63	15.6
<b>Ownership of Unit</b>									
Owned .....	2.2	22.4	6.6	0.63	5.2	136.6	133	1.03	13.2
Rented .....	0.9	7.9	2.3	0.23	3.1	75.6	74	0.61	21.4
<b>Year of Construction</b>									
1939 or Before .....	0.7	5.9	1.7	0.18	2.9	73.8	72	0.57	20.7
1940 to 1979 .....	1.5	14.5	4.2	0.41	4.3	112.1	109	0.86	18.0
1980 or After <sup>3</sup> .....	1.0	10.0	2.9	0.28	1.1	26.2	26	0.20	23.1
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.5	4.0	1.2	0.12	1.4	32.1	31	0.24	20.7
\$10,000 to \$19,999 .....	0.6	4.8	1.4	0.14	1.7	39.3	38	0.28	26.9
\$20,000 to \$34,999 .....	0.7	6.8	2.0	0.19	1.7	35.5	35	0.28	16.5
\$35,000 to \$49,999 .....	0.7	7.7	2.3	0.21	1.5	42.2	41	0.33	17.4
\$50,000 or More .....	0.6	7.0	2.1	0.20	2.0	63.1	61	0.49	17.6
<b>Below Poverty Line</b>									
100 Percent .....	0.5	4.2	1.2	0.13	1.4	35.6	35	0.26	19.2
125 Percent .....	0.6	6.1	1.8	0.18	1.8	46.0	45	0.34	18.8
150 Percent .....	0.8	7.9	2.3	0.23	2.2	56.5	55	0.42	18.0
<b>Age of Householder</b>									
Under 35 Years .....	0.8	9.3	2.7	0.26	2.0	54.1	53	0.41	17.7
35 to 59 Years .....	1.5	16.9	5.0	0.47	3.4	100.7	98	0.79	16.4
60 Years and Over .....	0.8	4.2	1.2	0.13	2.9	57.3	56	0.43	18.6
<b>Household Size</b>									
1 Person .....	0.7	3.1	0.9	0.10	2.1	31.7	31	0.25	21.3
2 to 4 Persons .....	2.2	23.0	6.7	0.65	5.4	149.8	146	1.15	14.0
5 or More Persons .....	0.2	4.3	1.3	0.12	0.8	30.7	30	0.24	22.5

<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 22. Total Fuel Oil and LPG Consumption and Expenditures for Water Heating in Northeast Region 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:	0.5	0.6 <sup>1</sup>	0.6 <sup>1</sup>	0.6 <sup>1</sup>	1.5	1.8 <sup>1</sup>	1.8 <sup>1</sup>	

**Northeast Region**

<b>Total Region</b> .....	4.4	116.5	0.84	0.70	0.4	7.7	0.08	0.11	16.5
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and Over 5,500 HDD .....	2.1	54.9	0.40	0.35	0.4	6.7	0.07	0.09	18.5
Under 5,500 HDD .....	2.3	61.6	0.44	0.35	Q	Q	Q	Q	25.0
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 .....	2.6	71.3	0.51	0.47	0.3	6.4	0.07	0.09	19.1
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.8	45.1	0.33	0.23	Q	Q	Q	Q	25.8
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	1.2	27.7	0.20	0.14	0.1	2.1	0.02	0.03	16.9
1,000 to 1,999 .....	1.5	41.8	0.30	0.26	0.2	Q	Q	0.04	23.6
2,000 or More .....	1.6	47.0	0.34	0.31	0.1	2.6	0.03	0.04	22.9
<b>Ownership of Unit</b>									
Owned .....	2.7	75.4	0.54	0.49	0.3	6.3	0.07	0.09	18.8
Rented .....	1.7	41.1	0.30	0.22	Q	Q	Q	Q	18.2
<b>Year of Construction</b>									
1939 or Before .....	1.7	42.5	0.31	0.25	0.2	3.3	0.04	0.05	21.9
1940 to 1979 .....	2.3	60.6	0.44	0.37	0.1	2.7	0.03	0.04	20.3
1980 or After <sup>3</sup> .....	0.4	13.4	0.10	0.09	Q	Q	Q	Q	29.9
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.6	11.5	0.08	0.06	Q	Q	Q	Q	40.5
\$10,000 to \$19,999 .....	0.7	16.6	0.12	0.09	Q	Q	Q	Q	31.6
\$20,000 to \$34,999 .....	1.0	27.2	0.20	0.16	0.1	2.8	0.03	0.04	21.8
\$35,000 to \$49,999 .....	0.9	25.7	0.19	0.16	Q	Q	Q	Q	16.5
\$50,000 or More .....	1.2	35.5	0.26	0.23	Q	Q	Q	Q	21.7
<b>Below Poverty Line</b>									
100 Percent .....	0.6	14.4	0.10	0.08	Q	Q	Q	Q	19.8
125 Percent .....	0.8	19.0	0.14	0.10	Q	Q	Q	Q	31.6
150 Percent .....	1.0	24.3	0.18	0.13	Q	Q	Q	Q	34.2
<b>Age of Householder</b>									
Under 35 Years .....	0.9	26.5	0.19	0.15	0.1	1.8	0.02	0.02	30.5
35 to 59 Years .....	2.2	63.2	0.46	0.39	0.2	4.4	0.05	0.06	18.4
60 Years and Over .....	1.2	26.8	0.19	0.16	0.1	1.5	0.02	0.02	24.2
<b>Household Size</b>									
1 Person .....	1.0	16.5	0.12	0.10	0.1	1.4	0.02	0.02	18.5
2 to 4 Persons .....	2.8	77.7	0.56	0.47	0.3	5.7	0.06	0.08	21.0
5 or More Persons .....	0.5	22.3	0.16	0.13	Q	Q	Q	Q	29.6

See footnotes at end of table.

**Table 22. Total Fuel Oil and LPG Consumption and Expenditures for Water Heating in Northeast Region Households, 1993 (Continued)**

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:	0.5	0.6 <sup>1</sup>	0.6 <sup>1</sup>	0.6 <sup>1</sup>	1.5	1.8 <sup>1</sup>	1.8 <sup>1</sup>	1.7 <sup>1</sup>	
<b>New England Division</b> .....	1.5	40.5	0.29	0.26	0.2	4.3	0.05	0.06	19.7
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and									
Over 5,500 HDD .....	1.5	40.5	0.29	0.26	0.2	4.3	0.05	0.06	19.7
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	1.2	31.8	0.23	0.21	0.2	3.5	0.04	0.05	23.4
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	0.4	8.6	0.06	0.05	Q	Q	Q	Q	17.4
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	0.3	5.6	0.04	0.03	Q	Q	Q	Q	35.0
1,000 to 1,999 .....	0.6	15.7	0.11	0.10	0.1	Q	Q	Q	32.8
2,000 or More .....	0.7	19.2	0.14	0.12	Q	Q	Q	Q	25.2
<b>Ownership of Unit</b>									
Owned .....	1.2	31.1	0.22	0.20	0.2	3.3	0.04	0.05	22.9
Rented .....	0.4	9.4	0.07	0.06	Q	Q	Q	Q	20.7
<b>Year of Construction</b>									
1939 or Before .....	0.5	12.1	0.09	0.08	0.1	1.9	0.02	0.03	22.1
1940 to 1979 .....	0.8	21.7	0.16	0.14	Q	Q	Q	Q	15.6
1980 or After <sup>3</sup> .....	0.2	6.7	0.05	0.04	Q	Q	Q	Q	38.7
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.1	2.2	0.02	0.01	Q	Q	Q	Q	51.5
\$10,000 to \$19,999 .....	0.4	8.1	0.06	0.05	Q	Q	Q	Q	56.3
\$20,000 to \$34,999 .....	0.3	7.8	0.06	0.05	0.1	1.8	0.02	0.03	29.4
\$35,000 to \$49,999 .....	0.3	9.5	0.07	0.06	Q	Q	Q	Q	27.7
\$50,000 or More .....	0.4	13.0	0.09	0.09	Q	Q	Q	Q	14.0
<b>Below Poverty Line</b>									
100 Percent .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
125 Percent .....	0.1	2.6	0.02	0.02	Q	Q	Q	Q	44.0
150 Percent .....	0.2	5.8	0.04	0.04	Q	Q	Q	Q	52.3
<b>Age of Householder</b>									
Under 35 Years .....	0.3	7.5	0.05	0.05	Q	Q	Q	Q	54.5
35 to 59 Years .....	0.7	22.0	0.16	0.14	0.1	2.3	0.03	0.03	15.2
60 Years and Over .....	0.5	11.0	0.08	0.07	0.1	Q	Q	0.02	28.0
<b>Household Size</b>									
1 Person .....	0.4	6.2	0.04	0.04	Q	Q	Q	Q	15.5
2 to 4 Persons .....	1.1	29.6	0.21	0.19	Q	Q	Q	Q	23.2
5 or More Persons .....	0.1	4.6	0.03	0.03	Q	Q	Q	Q	46.7

See footnotes at end of table.

**Table 22. Total Fuel Oil and LPG Consumption and Expenditures for Water Heating in Northeast Region Households, 1993 (Continued)**

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:	0.5	0.6 <sup>1</sup>	0.6 <sup>1</sup>	0.6 <sup>1</sup>	1.5	1.8 <sup>1</sup>	1.8 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	2.8	76.0	0.55	0.45	0.2	3.4	0.04	0.05	24.9
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and Over 5,500 HDD .....	0.5	14.4	0.10	0.09	Q	Q	Q	Q	47.4
Under 5,500 HDD .....	2.3	61.6	0.44	0.35	Q	Q	Q	Q	25.0
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 .....	1.4	39.5	0.28	0.26	0.1	2.8	0.03	0.04	29.4
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.4	36.6	0.26	0.18	Q	Q	Q	Q	32.2
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	1.0	22.1	0.16	0.11	Q	Q	Q	Q	14.9
1,000 to 1,999 .....	0.9	26.1	0.19	0.16	Q	Q	Q	Q	33.9
2,000 or More .....	1.0	27.8	0.20	0.18	Q	Q	Q	Q	34.1
<b>Ownership of Unit</b>									
Owned .....	1.5	44.3	0.32	0.29	0.1	Q	Q	0.04	29.2
Rented .....	1.3	31.7	0.23	0.16	Q	Q	Q	Q	22.5
<b>Year of Construction</b>									
1939 or Before .....	1.2	30.4	0.22	0.17	Q	Q	Q	Q	29.5
1940 to 1979 .....	1.5	38.9	0.28	0.23	Q	Q	Q	Q	28.4
1980 or After <sup>3</sup> .....	0.2	6.8	0.05	0.04	Q	Q	Q	Q	42.1
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.5	9.3	0.07	0.05	Q	Q	Q	Q	48.1
\$10,000 to \$19,999 .....	0.3	8.6	0.06	0.04	Q	Q	Q	Q	26.5
\$20,000 to \$34,999 .....	0.7	19.4	0.14	0.11	Q	Q	Q	Q	31.4
\$35,000 to \$49,999 .....	0.6	16.2	0.12	0.10	Q	Q	Q	Q	21.2
\$50,000 or More .....	0.7	22.5	0.16	0.14	Q	Q	Q	Q	33.6
<b>Below Poverty Line</b>									
100 Percent .....	0.5	12.7	0.09	0.07	Q	Q	Q	Q	20.3
125 Percent .....	0.7	16.4	0.12	0.08	Q	Q	Q	Q	36.3
150 Percent .....	0.7	18.5	0.13	0.09	Q	Q	Q	Q	41.4
<b>Age of Householder</b>									
Under 35 Years .....	0.7	19.1	0.14	0.10	Q	Q	Q	Q	56.4
35 to 59 Years .....	1.5	41.2	0.30	0.25	Q	Q	Q	Q	26.7
60 Years and Over .....	0.7	15.8	0.11	0.09	Q	Q	Q	Q	34.9
<b>Household Size</b>									
1 Person .....	0.7	10.3	0.07	0.06	Q	Q	Q	Q	24.8
2 to 4 Persons .....	1.7	48.1	0.35	0.29	0.1	Q	Q	Q	29.2
5 or More Persons .....	0.4	17.7	0.13	0.10	Q	Q	Q	Q	35.3

<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.

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 G of the 1993 Residential Energy Consumption Survey.

**Table 23. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per Northeast Region 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:	3.0	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.9 <sup>1</sup>	0.7 <sup>1</sup>	2.3	0.7 <sup>1</sup>	0.7 <sup>1</sup>	0.8 <sup>1</sup>	0.7 <sup>1</sup>	

**Northeast Region**

<b>Total Region</b> .....	4.5	9.8	2,859	290	1,094	10.1	25.6	24.9	201	9.7	3.4
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	3.4	10.1	2,964	297	1,121	5.4	25.5	24.8	194	10.1	4.3
Under 5,500 HDD .....	1.1	8.7	2,549	269	1,009	4.8	25.7	25.0	208	9.2	5.8
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 .....	3.0	10.4	3,062	309	1,074	5.9	26.6	25.8	203	9.1	3.7
Mobile Home .....	0.5	8.2	2,414	263	1,141	Q	Q	Q	Q	Q	11.0
Multifamily (2 or more units) .....	0.9	8.3	2,444	244	1,154	4.2	24.2	23.5	198	10.8	7.2
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	1.2	7.9	2,324	254	1,170	3.3	22.4	21.8	181	10.8	5.7
1,000 to 1,999 .....	1.6	9.3	2,736	277	1,051	3.5	25.2	24.5	199	9.6	5.1
2,000 or More .....	1.7	11.4	3,334	327	1,094	3.3	29.1	28.3	223	9.0	4.7
<b>Ownership of Unit</b>											
Owned .....	3.1	10.2	2,980	301	1,068	6.1	26.1	25.4	201	9.3	4.1
Rented .....	1.4	8.8	2,584	264	1,167	4.0	24.7	24.1	201	10.3	6.8
<b>Year of Construction</b>											
1939 or Before .....	1.1	9.5	2,773	297	1,082	3.7	25.3	24.7	204	9.7	5.6
1940 to 1979 .....	2.1	9.7	2,846	285	1,099	5.2	25.7	25.0	198	9.7	5.2
1980 or After <sup>3</sup> .....	1.3	10.1	2,948	292	1,094	1.2	25.8	25.1	204	9.6	6.5
<b>1993 Family Income</b>											
Less than \$10,000 .....	0.6	7.9	2,301	249	1,194	1.8	23.0	22.4	176	9.9	8.2
\$10,000 to \$19,999 .....	0.9	8.5	2,480	255	1,086	2.1	23.8	23.2	179	10.9	9.9
\$20,000 to \$34,999 .....	1.0	9.3	2,711	269	1,063	1.9	21.7	21.1	175	9.0	5.8
\$35,000 to \$49,999 .....	1.0	11.5	3,375	334	1,070	1.8	27.8	27.0	222	9.9	5.5
\$50,000 or More .....	0.9	10.9	3,196	327	1,111	2.6	29.9	29.1	239	9.1	6.1
<b>Below Poverty Line</b>											
100 Percent .....	0.6	9.6	2,816	299	1,128	1.7	26.8	26.0	203	9.2	7.4
125 Percent .....	0.8	10.1	2,955	309	1,154	2.2	26.2	25.4	201	9.3	7.1
150 Percent .....	1.0	10.6	3,102	315	1,154	2.7	26.4	25.7	201	9.6	6.9
<b>Age of Householder</b>											
Under 35 Years .....	1.1	11.2	3,296	327	1,114	2.5	27.6	26.9	217	10.1	6.4
35 to 59 Years .....	2.2	11.1	3,244	326	1,126	4.1	29.2	28.4	232	9.0	4.5
60 Years and Over .....	1.2	5.9	1,727	189	964	3.5	19.8	19.3	152	10.6	6.2
<b>Household Size</b>											
1 Person .....	1.0	4.6	1,337	147	1,337	2.6	14.9	14.5	118	14.5	5.2
2 to 4 Persons .....	3.1	10.5	3,076	310	1,099	6.7	27.8	27.0	219	9.8	3.5
5 or More Persons .....	0.4	17.9	5,251	517	949	0.9	39.9	38.8	311	6.7	5.9

See footnotes at end of table.

**Table 23. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per Northeast Region 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:	3.0	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.9 <sup>1</sup>	0.7 <sup>1</sup>	2.3	0.7 <sup>1</sup>	0.7 <sup>1</sup>	0.8 <sup>1</sup>	0.7 <sup>1</sup>	

**Northeast Region**

<b>Average Electricity Expenditures (cents per kWh)</b>											
Less than 6 .....	Q	Q	Q	Q	Q	--	--	--	--	--	NF
6 to Less than 9 .....	1.2	11.8	3,460	264	1,227	--	--	--	--	--	5.8
9 or More .....	3.3	9.0	2,644	300	1,042	--	--	--	--	--	3.8
<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 .....	--	--	--	--	--	0.4	20.4	19.9	108	10.5	11.3
6 or More .....	--	--	--	--	--	9.7	25.8	25.1	205	9.6	3.6
<b>Water Heater Used</b>											
For One Housing Unit .....	4.4	9.8	2,865	291	1,092	7.7	26.4	25.7	205	9.4	3.4
For Two or More Units .....	Q	Q	Q	Q	Q	2.4	23.0	22.4	188	10.8	7.4
<b>Age of Water Heater (for one housing unit)</b>											
Less than 5 Years .....	1.5	10.3	3,014	310	1,092	2.2	26.6	25.8	205	9.4	5.9
5 to 9 Years .....	1.0	9.8	2,859	285	1,062	2.3	27.5	26.7	210	9.1	6.0
10 to 19 Years .....	1.1	9.2	2,691	271	1,059	1.7	25.9	25.2	199	9.7	7.1
20 Years or More .....	0.4	9.6	2,824	286	1,237	0.8	20.9	20.3	173	9.3	12.2
Don't Know/No Separate Unit .....	0.5	9.7	2,833	293	1,133	0.7	29.3	28.5	239	9.7	11.4
<b>Size of Water Heater (for one housing unit)</b>											
30 gallons or less .....	0.8	8.4	2,464	275	1,017	1.2	20.6	20.0	161	8.4	8.6
31 to 49 gallons .....	1.9	9.1	2,661	269	1,054	4.4	27.1	26.3	205	9.8	4.8
50 gallons or more .....	1.3	11.8	3,467	334	1,195	1.5	31.4	30.6	251	9.0	6.0
Don't Know/No Separate Unit .....	0.3	8.9	2,616	284	1,020	0.7	21.1	20.5	182	9.3	13.2
<b>Clothes Washer</b>											
Yes .....	3.7	10.2	2,979	298	1,088	7.2	26.3	25.6	203	9.2	3.1
No .....	0.8	7.8	2,288	253	1,132	2.9	23.7	23.0	196	11.2	8.0
<b>Dishwasher</b>											
Yes .....	2.1	10.6	3,119	305	1,127	4.1	28.0	27.3	218	9.3	4.9
No .....	2.4	9.0	2,638	278	1,062	6.0	23.9	23.2	189	10.0	4.6
<b>Children Present in Household</b>											
No .....	2.9	7.7	2,259	236	1,217	6.3	21.1	20.5	165	11.4	4.0
Yes .....	1.6	13.4	3,917	385	991	3.8	33.1	32.2	261	8.3	3.8
<b>(more than one may apply)</b>											
Under 13 Years .....	1.4	13.4	3,919	384	975	2.9	33.7	32.8	265	8.1	4.2
13 to 18 Years .....	0.6	15.5	4,544	451	1,049	1.6	35.6	34.7	281	8.3	5.5

See footnotes at end of table.

**Table 23. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per Northeast Region 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:	3.0	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.9 <sup>1</sup>	0.7 <sup>1</sup>	2.3	0.7 <sup>1</sup>	0.7 <sup>1</sup>	0.8 <sup>1</sup>	0.7 <sup>1</sup>	
<b>New England Division</b> .....	1.4	9.9	2,907	323	1,092	1.9	25.4	24.7	217	9.9	4.6
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	1.4	9.9	2,907	323	1,092	1.9	25.4	24.7	217	9.9	4.6
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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	10.8	3,170	357	1,057	0.8	26.5	25.8	229	9.3	5.8
Mobile Home .....	Q	8.9	2,613	289	1,206	Q	Q	Q	Q	Q	24.4
Multifamily (2 or more units) .....	0.3	7.9	2,322	245	1,162	1.0	24.5	23.8	207	10.5	9.0
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	0.5	8.9	2,617	285	1,219	0.8	24.1	23.4	200	11.2	8.6
1,000 to 1,999 .....	0.5	10.3	3,024	338	1,060	0.6	25.8	25.1	232	9.0	7.1
2,000 or More .....	0.4	10.6	3,104	350	1,024	0.5	27.3	26.5	228	9.1	7.8
<b>Ownership of Unit</b>											
Owned .....	0.9	10.3	3,025	341	1,068	0.9	25.6	24.9	223	9.4	5.0
Rented .....	0.5	9.1	2,672	289	1,151	1.0	25.2	24.5	212	10.3	8.4
<b>Year of Construction</b>											
1939 or Before .....	0.4	10.6	3,113	358	1,145	0.9	24.9	24.2	222	8.9	7.6
1940 to 1979 .....	0.6	10.0	2,933	317	1,138	0.9	24.7	24.1	200	10.8	8.3
1980 or After <sup>3</sup> .....	0.4	9.1	2,658	297	973	0.1	32.3	31.4	283	11.2	10.4
<b>1993 Family Income</b>											
Less than \$10,000 .....	0.1	7.3	2,136	240	1,227	0.3	24.0	23.4	200	10.6	17.1
\$10,000 to \$19,999 .....	0.3	8.9	2,606	292	1,052	0.4	25.4	24.7	218	11.6	15.5
\$20,000 to \$34,999 .....	0.3	9.7	2,833	317	1,150	0.3	23.4	22.7	201	9.2	10.3
\$35,000 to \$49,999 .....	0.3	11.2	3,285	356	1,093	0.3	27.0	26.3	232	8.6	11.7
\$50,000 or More .....	0.3	10.9	3,181	358	1,039	0.6	26.4	25.6	226	9.6	7.5
<b>Below Poverty Line</b>											
100 Percent .....	0.2	11.6	3,409	372	1,080	0.4	28.6	27.8	236	10.0	18.2
125 Percent .....	0.2	10.7	3,142	347	1,094	0.4	28.5	27.8	243	10.2	14.7
150 Percent .....	0.2	11.1	3,245	355	1,108	0.5	28.3	27.6	238	10.3	10.5
<b>Age of Householder</b>											
Under 35 Years .....	0.3	11.0	3,233	355	1,130	0.5	29.1	28.3	253	10.2	10.0
35 to 59 Years .....	0.7	10.9	3,192	354	1,056	0.7	26.8	26.0	231	9.1	5.7
60 Years and Over .....	0.4	7.3	2,138	241	1,159	0.6	19.9	19.4	163	11.0	9.1
<b>Household Size</b>											
1 Person .....	0.3	4.7	1,392	155	1,392	0.5	14.3	13.9	115	13.9	6.2
2 to 4 Persons .....	0.9	10.7	3,150	351	1,116	1.3	28.1	27.4	243	9.7	4.4
5 or More Persons .....	0.1	16.9	4,947	542	897	0.1	41.8	40.6	362	7.5	14.7

See footnotes at end of table.

**Table 23. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per Northeast Region 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:	3.0	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.9 <sup>1</sup>	0.7 <sup>1</sup>	2.3	0.7 <sup>1</sup>	0.7 <sup>1</sup>	0.8 <sup>1</sup>	0.7 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	3.1	9.7	2,839	276	1,094	8.3	25.6	24.9	197	9.6	4.3
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	2.0	10.2	3,002	280	1,140	3.5	25.5	24.8	183	10.2	6.6
Under 5,500 HDD .....	1.1	8.7	2,549	269	1,009	4.8	25.7	25.0	208	9.2	5.8
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 .....	2.2	10.3	3,019	290	1,081	5.1	26.6	25.8	199	9.0	4.6
Mobile Home .....	0.3	7.8	2,292	246	1,098	Q	Q	Q	Q	Q	11.9
Multifamily (2 or more units) .....	0.6	8.5	2,499	244	1,150	3.2	24.1	23.4	195	10.9	9.6
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	0.7	7.2	2,121	234	1,132	2.5	21.9	21.3	175	10.6	7.5
1,000 to 1,999 .....	1.2	8.9	2,621	252	1,047	3.0	25.1	24.4	192	9.8	6.5
2,000 or More .....	1.3	11.6	3,409	319	1,117	2.8	29.4	28.6	222	9.0	5.5
<b>Ownership of Unit</b>											
Owned .....	2.2	10.1	2,961	286	1,068	5.2	26.2	25.5	198	9.3	5.1
Rented .....	0.9	8.7	2,540	252	1,176	3.1	24.6	23.9	197	10.3	9.0
<b>Year of Construction</b>											
1939 or Before .....	0.7	8.8	2,576	262	1,041	2.9	25.5	24.8	198	9.9	7.6
1940 to 1979 .....	1.5	9.6	2,812	273	1,084	4.3	25.9	25.2	198	9.5	6.3
1980 or After <sup>3</sup> .....	1.0	10.5	3,066	290	1,143	1.1	24.9	24.2	193	9.3	7.5
<b>1993 Family Income</b>											
Less than \$10,000 .....	0.5	8.0	2,346	252	1,187	1.4	22.8	22.1	170	9.8	9.8
\$10,000 to \$19,999 .....	0.6	8.3	2,420	237	1,105	1.7	23.5	22.8	170	10.7	10.5
\$20,000 to \$34,999 .....	0.7	9.1	2,663	250	1,029	1.6	21.5	20.9	171	9.0	7.0
\$35,000 to \$49,999 .....	0.7	11.7	3,422	322	1,059	1.5	27.9	27.2	220	10.2	6.4
\$50,000 or More .....	0.6	10.9	3,203	313	1,148	2.0	31.0	30.1	243	9.0	8.0
<b>Below Poverty Line</b>											
100 Percent .....	0.5	9.0	2,624	275	1,150	1.4	26.3	25.5	195	9.0	8.6
125 Percent .....	0.6	9.9	2,890	295	1,179	1.8	25.6	24.9	191	9.0	8.3
150 Percent .....	0.8	10.4	3,056	302	1,171	2.2	26.0	25.3	193	9.5	8.4
<b>Age of Householder</b>											
Under 35 Years .....	0.8	11.3	3,317	317	1,109	2.0	27.2	26.4	207	10.1	7.7
35 to 59 Years .....	1.5	11.1	3,267	312	1,160	3.4	29.7	28.9	233	9.0	5.8
60 Years and Over .....	0.8	5.2	1,533	164	868	2.9	19.8	19.2	150	10.5	7.3

See footnotes at end of table.

**Table 23. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per Northeast Region 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:	3.0	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.9 <sup>1</sup>	0.7 <sup>1</sup>	2.3	0.7 <sup>1</sup>	0.7 <sup>1</sup>	0.8 <sup>1</sup>	0.7 <sup>1</sup>	

**Household Size**

1 Person .....	0.7	4.5	1,311	143	1,311	2.1	15.1	14.7	118	14.7	6.9
2 to 4 Persons .....	2.2	10.4	3,047	294	1,093	5.4	27.7	27.0	213	9.8	4.3
5 or More Persons .....	0.2	18.6	5,447	501	983	0.8	39.7	38.6	304	6.7	7.3

<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 24. Fuel Oil and LPG Consumption and Expenditures for Main Water Heating, per Northeast Region 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	0.4 <sup>1</sup>	0.4 <sup>1</sup>	0.5 <sup>1</sup>	0.4 <sup>1</sup>	3.6	1.5 <sup>1</sup>	1.5 <sup>1</sup>	1.3 <sup>1</sup>	1.8 <sup>1</sup>	

**Northeast Region**

<b>Total Region</b> .....	4.3	26.7	193	161	71	0.4	19.1	209	267	87	6.1
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	2.0	26.5	191	170	74	0.4	18.9	207	256	87	7.8
Under 5,500 HDD .....	2.3	26.8	194	154	68	Q	Q	Q	Q	Q	8.6
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 .....	2.5	27.9	201	184	69	0.3	18.9	207	272	82	7.0
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.8	25.1	181	130	74	Q	Q	Q	Q	Q	7.3
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	1.2	22.5	162	112	74	0.1	17.7	193	244	89	8.2
1,000 to 1,999 .....	1.5	27.9	201	173	71	0.2	17.1	188	233	86	9.6
2,000 or More .....	1.6	28.8	207	188	69	0.1	23.8	260	346	85	9.2
<b>Ownership of Unit</b>											
Owned .....	2.6	28.1	203	182	71	0.3	19.3	212	282	85	6.6
Rented .....	1.7	24.5	176	128	70	Q	Q	Q	Q	Q	9.3
<b>Year of Construction</b>											
1939 or Before .....	1.6	25.0	181	144	69	0.2	18.2	199	269	89	10.8
1940 to 1979 .....	2.3	26.7	193	164	73	0.1	20.2	221	310	86	8.2
1980 or After <sup>3</sup> .....	0.4	33.7	243	217	66	Q	19.1	209	194	83	10.6
<b>1993 Family Income</b>											
Less than \$10,000 .....	0.6	20.2	146	110	72	Q	Q	Q	Q	Q	24.3
\$10,000 to \$19,999 .....	0.7	23.7	171	134	76	Q	Q	Q	Q	Q	15.9
\$20,000 to \$34,999 .....	1.0	27.8	201	162	73	0.1	18.9	207	298	78	11.8
\$35,000 to \$49,999 .....	0.9	27.0	195	168	64	Q	Q	Q	Q	Q	14.2
\$50,000 or More .....	1.2	30.4	219	196	71	Q	24.5	268	320	88	12.7
<b>Below Poverty Line</b>											
100 Percent .....	0.6	23.5	170	125	63	Q	Q	Q	Q	Q	18.0
125 Percent .....	0.8	24.9	180	129	65	Q	Q	Q	Q	Q	17.4
150 Percent .....	0.9	25.6	184	136	64	Q	Q	Q	Q	Q	15.1
<b>Age of Householder</b>											
Under 35 Years .....	0.9	28.9	208	164	63	0.1	17.9	195	237	73	14.9
35 to 59 Years .....	2.2	28.5	206	177	69	0.2	23.7	259	340	92	7.5
60 Years and Over .....	1.2	21.8	157	132	83	0.1	12.6	138	174	90	10.7
<b>Household Size</b>											
1 Person .....	1.0	15.9	115	93	115	0.1	13.0	142	176	142	9.9
2 to 4 Persons .....	2.7	27.9	202	171	72	0.3	20.8	227	289	82	7.4
5 or More Persons .....	0.5	41.1	297	245	52	Q	Q	Q	Q	Q	17.8

See footnotes at end of table.

**Table 24. Fuel Oil and LPG Consumption and Expenditures for Main Water Heating, per Northeast Region 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	0.4 <sup>1</sup>	0.4 <sup>1</sup>	0.5 <sup>1</sup>	0.4 <sup>1</sup>	3.6	1.5 <sup>1</sup>	1.5 <sup>1</sup>	1.3 <sup>1</sup>	1.8 <sup>1</sup>	

**Northeast Region**

**Average Fuel Oil Expenditures (dollars per gallon)**

Less than 0.95 .....	3.6	26.3	190	151	70	--	--	--	--	--	6.4
0.95 to Less than 1.10 .....	0.5	26.9	194	194	73	--	--	--	--	--	12.1
1.10 or More .....	0.2	34.8	251	289	75	--	--	--	--	--	17.2

**Average LPG Expenditures (dollars per gallon)**

Less than 0.75 .....	--	--	--	--	--	Q	Q	Q	Q	Q	NF
0.75 to Less than 1.00 .....	--	--	--	--	--	0.1	19.1	209	185	98	10.1
1.00 or More .....	--	--	--	--	--	0.3	19.0	209	297	83	6.7

**Water Heater Used**

For One Housing Unit .....	2.6	27.4	197	180	69	0.4	18.7	205	270	81	7.0
For Two or More Units .....	1.7	25.7	185	132	73	Q	Q	Q	Q	Q	7.8

**Age of Water Heater (for one housing unit)**

Less than 5 Years .....	0.5	28.4	205	188	62	0.2	21.5	236	314	85	14.4
5 to 9 Years .....	0.5	27.7	200	187	67	Q	Q	Q	Q	Q	14.7
10 to 19 Years .....	0.4	27.8	201	181	67	Q	Q	Q	Q	Q	14.5
20 Years or More .....	0.6	25.0	180	165	75	Q	Q	Q	Q	Q	15.3
Don't Know/No Separate Unit .....	0.7	28.1	203	183	74	Q	Q	Q	Q	Q	14.7

**Size of Water Heater (for one housing unit)**

30 gallons or less .....	0.7	25.4	183	165	75	Q	Q	Q	Q	Q	12.3
31 to 49 gallons .....	0.8	27.9	201	182	63	0.2	18.6	204	247	78	11.3
50 gallons or more .....	0.4	30.5	220	202	65	Q	Q	Q	Q	Q	13.3
Don't Know/No Separate Unit .....	0.8	27.1	196	181	74	Q	Q	Q	Q	Q	15.6

**Clothes Washer Present in Household**

Yes .....	3.1	28.1	203	177	69	0.3	20.5	225	294	85	7.0
No .....	1.2	23.2	167	122	74	Q	Q	Q	Q	Q	10.9

**Dishwasher Present in Household**

Yes .....	1.7	29.8	215	192	73	0.1	20.8	227	272	75	9.9
No .....	2.6	24.8	179	142	69	0.3	18.1	198	264	96	8.9

**Children Present in Household**

No .....	2.7	21.8	157	132	83	0.2	15.4	168	205	104	7.6
Yes .....	1.6	35.0	252	211	61	0.2	24.5	268	358	75	6.7
<b>(more than one may apply)</b>											
Under 13 Years .....	1.2	34.6	249	205	58	0.1	22.9	251	310	67	7.7
13 to 18 Years .....	0.7	37.6	271	231	62	Q	Q	Q	Q	Q	11.3

See footnotes at end of table.

**Table 24. Fuel Oil and LPG Consumption and Expenditures for Main Water Heating, per Northeast Region 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	0.4 <sup>1</sup>	0.4 <sup>1</sup>	0.5 <sup>1</sup>	0.4 <sup>1</sup>	3.6	1.5 <sup>1</sup>	1.5 <sup>1</sup>	1.3 <sup>1</sup>	1.8 <sup>1</sup>	
<b>New England Division</b> .....	1.5	26.2	189	168	74	0.2	18.3	200	247	92	8.5
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	1.5	26.2	189	168	74	0.2	18.3	200	247	92	8.5
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	1.2	27.0	195	177	71	0.2	18.1	199	251	87	8.9
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	0.4	23.8	172	142	86	Q	Q	Q	Q	Q	16.6
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	0.3	20.4	147	118	94	Q	Q	Q	Q	Q	18.6
1,000 to 1,999 .....	0.6	26.4	190	171	72	0.1	17.5	192	228	99	13.6
2,000 or More .....	0.7	28.4	205	185	71	Q	Q	Q	Q	Q	13.6
<b>Ownership of Unit</b>											
Owned .....	1.1	26.9	194	175	71	0.2	17.6	193	255	93	8.6
Rented .....	0.4	24.1	174	145	85	Q	Q	Q	Q	Q	17.0
<b>Year of Construction</b>											
1939 or Before .....	0.5	23.5	170	152	73	0.1	17.1	187	258	94	14.9
1940 to 1979 .....	0.8	26.5	191	168	79	Q	Q	Q	Q	Q	8.6
1980 or After <sup>3</sup> .....	0.2	31.5	227	207	62	Q	Q	Q	Q	Q	19.6
<b>1993 Family Income</b>											
Less than \$10,000 .....	0.1	19.1	138	130	79	Q	Q	Q	Q	Q	39.9
\$10,000 to \$19,999 .....	0.4	22.3	161	140	97	Q	Q	Q	Q	Q	15.9
\$20,000 to \$34,999 .....	0.3	26.9	194	166	67	0.1	19.9	218	294	98	13.5
\$35,000 to \$49,999 .....	0.3	28.2	203	181	69	Q	Q	Q	Q	Q	15.0
\$50,000 or More .....	0.4	29.1	210	192	71	Q	Q	Q	Q	Q	12.2
<b>Below Poverty Line</b>											
100 Percent .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
125 Percent .....	0.1	22.8	165	146	77	Q	Q	Q	Q	Q	31.1
150 Percent .....	0.2	26.5	192	171	72	Q	Q	Q	Q	Q	29.0
<b>Age of Householder</b>											
Under 35 Years .....	0.3	28.7	207	185	68	Q	Q	Q	Q	Q	22.4
35 to 59 Years .....	0.7	29.6	214	190	70	0.1	22.8	250	312	96	8.2
60 Years and Over .....	0.5	20.3	146	129	87	0.1	12.8	141	177	95	13.5
<b>Household Size</b>											
1 Person .....	0.4	16.9	122	108	122	Q	Q	Q	Q	Q	12.5
2 to 4 Persons .....	1.1	27.8	200	178	73	Q	21.5	235	286	85	7.8
5 or More Persons .....	0.1	41.2	297	267	51	Q	Q	Q	Q	Q	9.9

See footnotes at end of table.

**Table 24. Fuel Oil and LPG Consumption and Expenditures for Main Water Heating, per Northeast Region 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	0.4 <sup>1</sup>	0.4 <sup>1</sup>	0.5 <sup>1</sup>	0.4 <sup>1</sup>	3.6	1.5 <sup>1</sup>	1.5 <sup>1</sup>	1.3 <sup>1</sup>	1.8 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	2.8	27.0	195	158	69	0.2	20.1	221	295	81	9.6
<b>Climate Zone<sup>2</sup></b>											
Under 2,000 CDD and Over 5,500 HDD .....	0.5	27.8	200	176	75	Q	20.2	221	275	78	20.6
Under 5,500 HDD .....	2.3	26.8	194	154	68	Q	Q	Q	Q	Q	8.6
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 .....	1.4	28.6	206	190	67	0.1	19.9	218	302	76	11.8
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	1.4	25.4	183	127	71	Q	Q	Q	Q	Q	6.8
<b>Heated Floorspace (square feet)</b>											
Fewer than 1,000 .....	1.0	23.1	167	111	70	Q	Q	Q	Q	Q	7.0
1,000 to 1,999 .....	0.9	29.0	209	173	70	Q	Q	Q	Q	Q	10.8
2,000 or More .....	1.0	29.1	209	191	67	Q	Q	Q	Q	Q	13.6
<b>Ownership of Unit</b>											
Owned .....	1.5	29.1	210	188	71	0.1	21.7	237	319	78	11.1
Rented .....	1.3	24.6	177	123	67	Q	Q	Q	Q	Q	11.1
<b>Year of Construction</b>											
1939 or Before .....	1.1	25.7	186	141	67	Q	Q	Q	Q	Q	11.0
1940 to 1979 .....	1.5	26.8	193	162	70	Q	Q	Q	Q	Q	11.4
1980 or After <sup>3</sup> .....	0.2	36.0	260	227	71	Q	Q	Q	Q	Q	13.9
<b>1993 Family Income</b>											
Less than \$10,000 .....	0.4	20.5	148	106	70	Q	Q	Q	Q	Q	28.0
\$10,000 to \$19,999 .....	0.3	25.3	182	129	63	Q	Q	Q	Q	Q	25.7
\$20,000 to \$34,999 .....	0.7	28.2	204	160	76	Q	Q	Q	Q	Q	21.4
\$35,000 to \$49,999 .....	0.6	26.4	190	161	62	Q	Q	Q	Q	Q	21.1
\$50,000 or More .....	0.7	31.1	225	199	71	Q	Q	Q	Q	Q	11.3
<b>Below Poverty Line</b>											
100 Percent .....	0.5	23.9	172	123	62	Q	Q	Q	Q	Q	18.4
125 Percent .....	0.6	25.3	183	126	63	Q	Q	Q	Q	Q	18.9
150 Percent .....	0.7	25.3	182	125	62	Q	Q	Q	Q	Q	17.4
<b>Age of Householder</b>											
Under 35 Years .....	0.6	29.0	209	156	61	Q	Q	Q	Q	Q	24.7
35 to 59 Years .....	1.4	28.0	202	170	69	Q	24.7	271	374	89	15.7
60 Years and Over .....	0.7	23.0	166	134	81	Q	Q	Q	Q	Q	11.4
<b>Household Size</b>											
1 Person .....	0.7	15.3	111	85	111	Q	Q	Q	Q	Q	12.1
2 to 4 Persons .....	1.7	28.1	202	166	72	0.1	20.1	220	291	79	11.7
5 or More Persons .....	0.4	41.1	297	239	52	Q	Q	Q	Q	Q	22.5

<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 25. Total Consumption and Expenditures for Appliances in Northeast Region 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>	1.0	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	1.7	2.1 <sup>1</sup>	2.1 <sup>1</sup>	2.0 <sup>1</sup>	
<b>Northeast Region</b>													
<b>Total Region</b> .....	19.5	271.0	79.4	9.28	10.1	76.1	74	0.73	1.0	5.2	0.06	0.10	8.2
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	11.2	167.7	49.1	5.28	4.3	32.8	32	0.27	0.9	4.3	0.05	0.08	11.1
Under 5,500 HDD .....	8.3	103.3	30.3	3.99	5.7	43.3	42	0.46	0.2	0.9	0.01	0.02	13.4
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 .....	11.9	210.0	61.5	6.94	5.5	45.6	44	0.38	0.7	3.5	0.04	0.07	10.9
Mobile Home .....	0.5	7.2	2.1	0.23	Q	Q	Q	Q	0.3	1.1	0.01	0.02	33.2
Multifamily (2 or more units) ..	7.0	53.8	15.8	2.10	4.5	30.2	29	0.35	Q	Q	Q	Q	9.1
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	5.8	43.9	12.9	1.66	3.5	21.9	21	0.24	0.4	1.8	0.02	0.03	11.0
1,000 to 1,999 .....	6.8	89.9	26.4	3.06	3.5	26.5	26	0.25	0.4	1.6	0.02	0.03	12.7
2,000 or More .....	6.8	137.1	40.2	4.55	3.1	27.7	27	0.23	0.3	1.8	0.02	0.04	14.5
<b>Ownership of Unit</b>													
Owned .....	12.3	210.3	61.6	7.02	5.8	46.6	45	0.40	0.8	4.0	0.04	0.08	9.7
Rented .....	7.2	60.7	17.8	2.25	4.3	29.5	29	0.32	0.3	1.1	0.01	0.02	9.9
<b>Year of Construction</b>													
1939 or Before .....	6.7	82.4	24.2	2.89	4.2	30.9	30	0.33	0.4	1.8	0.02	0.04	14.7
1940 to 1979 .....	9.7	141.0	41.3	4.86	5.0	38.4	37	0.34	0.4	2.1	0.02	0.04	13.2
1980 or After <sup>3</sup> .....	3.0	47.6	14.0	1.52	0.8	6.8	7	0.06	0.2	1.3	0.01	0.02	21.6
<b>1993 Family Income</b>													
Less than \$10,000 .....	3.0	26.5	7.8	0.96	1.8	13.1	13	0.14	Q	Q	Q	Q	14.9
\$10,000 to \$19,999 .....	3.7	39.4	11.5	1.34	1.8	11.9	12	0.11	0.2	0.9	0.01	0.02	15.4
\$20,000 to \$34,999 .....	4.1	53.3	15.6	1.84	2.1	13.5	13	0.13	0.3	1.9	0.02	0.04	14.3
\$35,000 to \$49,999 .....	3.8	62.1	18.2	2.05	1.8	12.8	12	0.13	0.2	1.1	0.01	0.02	14.8
\$50,000 or More .....	4.8	89.7	26.3	3.08	2.5	24.8	24	0.22	0.1	0.9	0.01	0.02	15.2
<b>Below Poverty Line</b>													
100 Percent .....	3.0	31.0	9.1	1.10	1.9	14.9	14	0.16	Q	Q	Q	Q	11.2
125 Percent .....	3.9	41.5	12.2	1.47	2.4	18.5	18	0.20	0.2	0.7	0.01	0.01	12.7
150 Percent .....	4.7	52.2	15.3	1.82	2.8	21.7	21	0.23	0.2	0.7	0.01	0.01	12.7
<b>Age of Householder</b>													
Under 35 Years .....	4.7	55.6	16.3	1.92	2.6	19.5	19	0.20	0.2	1.2	0.01	0.02	11.6
35 to 59 Years .....	8.8	146.2	42.9	4.98	4.3	36.6	36	0.34	0.6	3.0	0.03	0.06	11.6
60 Years and Over .....	6.0	69.1	20.2	2.38	3.2	20.0	19	0.19	0.2	0.9	0.01	0.02	13.1
<b>Household Size</b>													
1 Person .....	4.8	34.3	10.0	1.24	2.3	9.6	9	0.11	0.2	0.8	0.01	0.02	12.9
2 to 4 Persons .....	12.9	195.6	57.3	6.60	6.7	53.4	52	0.50	0.7	3.8	0.04	0.07	7.8
5 or More Persons .....	1.8	41.1	12.1	1.44	1.0	13.1	13	0.12	Q	Q	Q	Q	20.8

See footnotes at end of table.

**Table 25. Total Consumption and Expenditures for Appliances in Northeast Region Households, 1993 (Continued)**

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>	1.0	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	1.7	2.1 <sup>1</sup>	2.1 <sup>1</sup>	2.0 <sup>1</sup>	
<b>New England Division</b> .....	5.1	72.6	21.3	2.42	1.7	14.3	14	0.14	0.4	2.0	0.02	0.04	14.0
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and Over 5,500 HDD .....	5.1	72.6	21.3	2.42	1.7	14.3	14	0.14	0.4	2.0	0.02	0.04	14.0
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	3.1	55.5	16.3	1.83	0.8	7.1	7	0.07	0.3	1.4	0.02	0.03	18.0
Mobile Home .....	0.2	3.3	1.0	0.11	Q	Q	Q	Q	Q	Q	Q	Q	96.5
Multifamily (2 or more units) ..	1.7	13.7	4.0	0.48	0.9	7.2	7	0.07	Q	Q	Q	Q	22.7
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	1.7	14.7	4.3	0.50	0.6	4.7	5	0.04	0.1	0.6	0.01	0.01	17.1
1,000 to 1,999 .....	1.8	25.6	7.5	0.86	0.6	4.5	4	0.05	0.1	0.8	0.01	0.02	20.0
2,000 or More .....	1.7	32.3	9.5	1.05	0.5	5.0	5	0.05	0.1	0.7	0.01	0.01	23.2
<b>Ownership of Unit</b>													
Owned .....	3.2	55.4	16.3	1.84	0.9	7.4	7	0.07	0.3	1.6	0.02	0.03	17.1
Rented .....	1.9	17.1	5.0	0.58	0.8	6.9	7	0.07	Q	Q	Q	Q	16.4
<b>Year of Construction</b>													
1939 or Before .....	1.9	26.3	7.7	0.86	0.9	8.5	8	0.08	0.1	0.7	0.01	0.01	18.1
1940 to 1979 .....	2.4	32.6	9.6	1.10	0.6	4.8	5	0.04	0.2	1.0	0.01	0.02	17.4
1980 or After <sup>3</sup> .....	0.8	13.6	4.0	0.46	0.1	1.1	1	0.01	0.1	0.3	(*)	0.01	20.6
<b>1993 Family Income</b>													
Less than \$10,000 .....	0.7	5.3	1.5	0.18	0.3	2.3	2	0.02	Q	Q	Q	Q	24.6
\$10,000 to \$19,999 .....	1.1	11.2	3.3	0.39	0.3	2.3	2	0.02	0.1	0.4	(*)	0.01	24.6
\$20,000 to \$34,999 .....	0.9	13.6	4.0	0.46	0.2	1.3	1	0.01	0.2	0.9	0.01	0.02	22.2
\$35,000 to \$49,999 .....	1.0	16.9	5.0	0.56	0.3	2.6	3	0.03	0.1	0.4	(*)	0.01	20.2
\$50,000 or More .....	1.4	25.5	7.5	0.83	0.5	5.8	6	0.05	Q	Q	Q	Q	28.6
<b>Below Poverty Line</b>													
100 Percent .....	0.6	6.3	1.9	0.21	0.3	2.6	3	0.02	Q	Q	Q	Q	25.1
125 Percent .....	0.8	8.3	2.4	0.28	0.4	3.1	3	0.03	Q	Q	Q	Q	24.4
150 Percent .....	1.0	11.3	3.3	0.38	0.5	3.6	3	0.04	Q	Q	Q	Q	26.8
<b>Age of Householder</b>													
Under 35 Years .....	1.1	14.4	4.2	0.49	0.5	4.2	4	0.04	Q	Q	Q	Q	19.1
35 to 59 Years .....	2.3	38.5	11.3	1.29	0.7	5.8	6	0.05	0.2	1.1	0.01	0.02	12.3
60 Years and Over .....	1.6	19.7	5.8	0.64	0.5	4.3	4	0.04	0.1	0.5	0.01	0.01	21.8
<b>Household Size</b>													
1 Person .....	1.3	9.1	2.7	0.31	0.4	2.0	2	0.02	Q	Q	Q	Q	22.2
2 to 4 Persons .....	3.4	55.1	16.1	1.83	1.1	10.4	10	0.10	0.3	1.6	0.02	0.03	15.3
5 or More Persons .....	0.4	8.4	2.5	0.28	0.1	1.9	2	0.02	Q	Q	Q	Q	35.4

See footnotes at end of table.

**Table 25. Total Consumption and Expenditures for Appliances in Northeast Region Households, 1993 (Continued)**

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>	1.0	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	1.7	2.1 <sup>1</sup>	2.1 <sup>1</sup>	2.0 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	14.4	198.4	58.1	6.86	8.4	61.7	60	0.59	0.6	3.2	0.03	0.06	10.3
<b>Climate Zone<sup>2</sup></b>													
Under 2,000 CDD and													
Over 5,500 HDD .....	6.1	95.1	27.9	2.86	2.6	18.5	18	0.14	0.4	2.3	0.02	0.04	17.1
Under 5,500 HDD .....	8.3	103.3	30.3	3.99	5.7	43.3	42	0.46	0.2	0.9	0.01	0.02	13.4
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 .....	8.8	154.5	45.3	5.11	4.7	38.5	37	0.31	0.4	2.1	0.02	0.04	13.6
Mobile Home .....	0.3	3.9	1.1	0.12	Q	Q	Q	Q	0.2	Q	Q	0.01	55.0
Multifamily (2 or more units) ..	5.3	40.1	11.7	1.62	3.6	23.0	22	0.28	Q	Q	Q	Q	9.2
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	4.2	29.2	8.6	1.16	2.8	17.1	17	0.20	0.2	1.2	0.01	0.02	14.1
1,000 to 1,999 .....	5.1	64.4	18.9	2.20	2.9	22.0	21	0.20	0.2	0.8	0.01	0.02	15.9
2,000 or More .....	5.2	104.8	30.7	3.49	2.6	22.6	22	0.19	0.2	1.1	0.01	0.02	18.0
<b>Ownership of Unit</b>													
Owned .....	9.1	154.9	45.4	5.19	4.9	39.2	38	0.33	0.4	2.5	0.03	0.05	12.0
Rented .....	5.3	43.5	12.8	1.67	3.5	22.6	22	0.26	0.2	0.7	0.01	0.02	11.4
<b>Year of Construction</b>													
1939 or Before .....	4.8	56.1	16.4	2.03	3.2	22.4	22	0.24	0.2	1.1	0.01	0.02	19.9
1940 to 1979 .....	7.4	108.3	31.7	3.77	4.4	33.6	33	0.30	0.2	1.0	0.01	0.02	17.4
1980 or After <sup>3</sup> .....	2.2	34.0	10.0	1.06	0.7	5.7	6	0.05	0.2	1.0	0.01	0.02	26.8
<b>1993 Family Income</b>													
Less than \$10,000 .....	2.4	21.2	6.2	0.78	1.5	10.8	11	0.12	Q	Q	Q	Q	17.6
\$10,000 to \$19,999 .....	2.7	28.2	8.3	0.95	1.5	9.6	9	0.08	Q	Q	Q	Q	19.3
\$20,000 to \$34,999 .....	3.1	39.6	11.6	1.38	1.8	12.1	12	0.12	0.2	1.0	0.01	0.02	18.1
\$35,000 to \$49,999 .....	2.8	45.1	13.2	1.49	1.6	10.2	10	0.10	Q	Q	Q	Q	17.2
\$50,000 or More .....	3.5	64.2	18.8	2.25	2.0	19.0	19	0.17	0.1	0.7	0.01	0.01	17.5
<b>Below Poverty Line</b>													
100 Percent .....	2.4	24.7	7.2	0.89	1.6	12.3	12	0.14	Q	Q	Q	Q	13.1
125 Percent .....	3.1	33.3	9.7	1.18	2.0	15.4	15	0.17	Q	Q	Q	Q	12.8
150 Percent .....	3.7	40.9	12.0	1.43	2.4	18.1	18	0.19	Q	Q	Q	Q	12.3
<b>Age of Householder</b>													
Under 35 Years .....	3.5	41.3	12.1	1.43	2.2	15.3	15	0.16	0.2	0.8	0.01	0.01	14.5
35 to 59 Years .....	6.5	107.8	31.6	3.69	3.6	30.8	30	0.28	0.4	1.9	0.02	0.04	15.3
60 Years and Over .....	4.4	49.4	14.5	1.73	2.6	15.7	15	0.15	Q	Q	Q	Q	13.2
<b>Household Size</b>													
1 Person .....	3.5	25.2	7.4	0.92	1.9	7.6	7	0.09	Q	Q	Q	Q	13.4
2 to 4 Persons .....	9.5	140.5	41.2	4.78	5.6	43.0	42	0.40	0.4	2.2	0.02	0.04	9.4
5 or More Persons .....	1.4	32.7	9.6	1.16	0.9	11.1	11	0.10	Q	Q	Q	Q	24.2

<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.

(\*) = 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.

• 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 26. Electricity Consumption and Expenditures for Appliances and Refrigerators, per Northeast Region 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>	

**Northeast Region**

<b>Total Region</b> .....	19.5	13.9	4,077	476	19.4	1.1	3.9	1,136	137	3.2
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and										
Over 5,500 HDD .....	11.2	14.9	4,381	471	11.2	1.2	3.9	1,132	124	3.1
Under 5,500 HDD .....	8.3	12.5	3,665	483	8.2	1.1	3.9	1,143	154	4.3
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 .....	11.9	17.6	5,168	583	11.9	1.2	4.4	1,287	148	3.5
Mobile Home .....	0.5	13.3	3,884	433	0.5	1.0	3.3	963	109	9.7
Multifamily (2 or more units) .....	7.0	7.7	2,244	298	7.0	1.0	3.0	893	121	2.9
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	5.8	7.5	2,207	285	5.8	1.0	3.0	878	117	3.1
1,000 to 1,999 .....	6.8	13.2	3,865	449	6.8	1.1	3.8	1,103	130	4.1
2,000 or More .....	6.8	20.1	5,889	667	6.8	1.3	4.7	1,389	161	4.2
<b>Ownership of Unit</b>										
Owned .....	12.3	17.1	5,022	572	12.3	1.2	4.3	1,267	148	3.0
Rented .....	7.2	8.4	2,468	313	7.1	1.0	3.1	912	118	3.4
<b>Year of Construction</b>										
1939 or Before .....	6.7	12.3	3,591	430	6.7	1.1	3.6	1,052	130	5.0
1940 to 1979 .....	9.7	14.5	4,249	500	9.7	1.2	4.1	1,202	146	4.4
1980 or After <sup>3</sup> .....	3.0	15.7	4,608	502	3.0	1.1	3.8	1,113	124	6.1
<b>1993 Family Income</b>										
Less than \$10,000 .....	3.0	8.7	2,556	317	3.0	1.1	3.6	1,042	132	4.7
\$10,000 to \$19,999 .....	3.7	10.6	3,108	360	3.7	1.1	3.5	1,032	122	5.0
\$20,000 to \$34,999 .....	4.1	13.1	3,834	452	4.0	1.1	3.7	1,093	133	4.9
\$35,000 to \$49,999 .....	3.8	16.3	4,781	540	3.8	1.2	3.9	1,157	136	4.9
\$50,000 or More .....	4.8	18.5	5,426	636	4.8	1.2	4.4	1,294	155	5.0
<b>Below Poverty Line</b>										
100 Percent .....	3.0	10.3	3,022	366	3.0	1.1	3.6	1,050	131	4.1
125 Percent .....	3.9	10.6	3,114	375	3.9	1.1	3.6	1,055	132	3.7
150 Percent .....	4.7	11.1	3,250	386	4.7	1.1	3.7	1,071	132	3.9
<b>Age of Householder</b>										
Under 35 Years .....	4.7	11.9	3,492	411	4.6	1.1	3.4	989	121	3.7
35 to 59 Years .....	8.8	16.6	4,861	565	8.8	1.2	4.0	1,171	140	3.6
60 Years and Over .....	6.0	11.5	3,380	396	6.0	1.2	4.1	1,199	145	4.9
<b>Household Size</b>										
1 Person .....	4.8	7.2	2,109	260	4.7	1.1	3.4	990	125	4.9
2 to 4 Persons .....	12.9	15.2	4,441	512	12.9	1.2	3.9	1,153	137	2.5
5 or More Persons .....	1.8	22.8	6,671	795	1.8	1.2	4.8	1,397	169	7.2

See footnotes at end of table.



**Table 26. Electricity Consumption and Expenditures for Appliances and Refrigerators, per Northeast Region 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>	

**Northeast Region**

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

Less than 6 .....	Q	Q	Q	Q	--	--	--	--	--	NF
6 to Less than 9 .....	2.6	19.9	5,820	455	--	--	--	--	--	8.2
9 or More .....	16.8	13.0	3,803	480	--	--	--	--	--	3.0

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

Less than 6 .....	--	--	--	--	Q	Q	Q	Q	Q	NF
6 to Less than 9 .....	--	--	--	--	2.6	1.2	4.9	1,434	112	8.2
9 or More .....	--	--	--	--	16.8	1.1	3.7	1,091	141	3.0

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

Separate Freezer .....	5.0	21.3	6,237	686	5.0	1.2	4.4	1,292	145	4.1
Dishwasher .....	8.1	18.7	5,477	621	8.1	1.2	4.6	1,343	155	4.0
Clothes Washer .....	14.4	16.4	4,820	551	14.4	1.2	4.2	1,217	142	3.0
Clothes Dryer .....	9.0	18.7	5,473	602	9.0	1.2	4.3	1,258	140	4.0
Waterbed Heater .....	1.4	21.4	6,263	650	1.4	1.1	4.2	1,224	127	5.5
Swimming-Pool Pump .....	1.1	28.9	8,481	964	1.1	1.3	4.5	1,328	152	8.9
Hot-Tub or Spa Pump .....	0.3	34.9	10,222	994	0.3	1.6	5.7	1,677	166	17.3
Hot-Tub or Spa Heater .....	0.2	27.9	8,179	842	0.2	1.5	5.2	1,529	156	16.5
Well Pump .....	3.0	21.8	6,403	657	3.0	1.2	4.6	1,334	140	6.0

**Appliance Combination Usage**

Dishwasher, Clothes Washer, and Clothes Dryer										
All .....	5.0	21.5	6,313	687	5.0	1.2	4.9	1,425	156	4.9
Some .....	10.3	13.2	3,881	464	10.3	1.1	3.7	1,088	133	3.5
None .....	4.1	6.3	1,852	251	4.1	1.0	3.1	901	123	4.0

**Well Pump and Separate Freezer**

All .....	1.7	25.3	7,407	733	1.7	1.2	4.4	1,297	128	8.1
Some .....	4.6	18.8	5,504	633	4.6	1.2	4.5	1,316	153	3.9
None .....	13.2	10.8	3,152	388	13.1	1.1	3.6	1,052	132	3.3

**Main Heating Fuel**

Natural Gas .....	9.4	12.2	3,580	436	9.4	1.1	3.9	1,130	140	4.3
Electricity .....	1.9	13.9	4,061	374	1.9	1.1	3.9	1,135	107	7.4
Fuel Oil or Kerosene .....	7.4	15.6	4,578	540	7.4	1.1	4.0	1,162	144	4.4
Wood .....	0.5	21.3	6,248	717	0.5	1.2	3.4	994	115	8.9
LPG .....	0.2	11.9	3,484	415	0.2	1.1	2.7	794	98	16.1
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

**Number of Refrigerators**

1 .....	16.8	13.0	3,801	450	16.8	1.0	3.4	992	122	2.0
2 or More .....	2.6	20.2	5,932	652	2.6	2.1	7.1	2,076	235	5.9

See footnotes at end of table.

**Table 26. Electricity Consumption and Expenditures for Appliances and Refrigerators, per Northeast Region 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>	
<b>New England Division</b> .....	5.1	14.3	4,197	478	5.1	1.1	3.7	1,091	126	5.7
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and										
Over 5,500 HDD .....	5.1	14.3	4,197	478	5.1	1.1	3.7	1,091	126	5.7
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	3.1	17.9	5,257	592	3.1	1.2	4.1	1,200	137	4.9
Mobile Home .....	0.2	14.8	4,339	498	0.2	1.0	3.2	949	111	15.1
Multifamily (2 or more units) .....	1.7	7.9	2,301	273	1.7	1.0	3.1	916	110	5.8
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	1.7	8.9	2,596	304	1.7	1.0	3.2	939	112	5.3
1,000 to 1,999 .....	1.8	14.6	4,271	492	1.8	1.1	3.7	1,094	127	5.3
2,000 or More .....	1.7	19.6	5,732	638	1.7	1.2	4.2	1,242	140	6.5
<b>Ownership of Unit</b>										
Owned .....	3.2	17.5	5,116	578	3.2	1.1	4.0	1,186	136	4.8
Rented .....	1.9	9.1	2,653	309	1.9	1.0	3.2	933	111	5.6
<b>Year of Construction</b>										
1939 or Before .....	1.9	13.9	4,077	457	1.9	1.1	3.6	1,042	120	7.4
1940 to 1979 .....	2.4	13.8	4,037	462	2.4	1.1	3.9	1,135	132	4.9
1980 or After <sup>3</sup> .....	0.8	16.9	4,950	572	0.8	1.1	3.7	1,080	125	9.2
<b>1993 Family Income</b>										
Less than \$10,000 .....	0.7	8.0	2,352	274	0.7	1.1	3.4	990	117	7.1
\$10,000 to \$19,999 .....	1.1	10.5	3,083	365	1.1	1.0	3.2	928	112	6.0
\$20,000 to \$34,999 .....	0.9	14.4	4,228	491	0.9	1.0	3.4	988	115	5.0
\$35,000 to \$49,999 .....	1.0	16.8	4,934	558	1.0	1.2	4.2	1,221	140	8.3
\$50,000 or More .....	1.4	18.3	5,365	593	1.4	1.2	4.2	1,240	140	7.7
<b>Below Poverty Line</b>										
100 Percent .....	0.6	10.0	2,932	338	0.6	1.1	3.5	1,025	121	7.2
125 Percent .....	0.8	10.1	2,950	344	0.8	1.1	3.3	976	117	6.5
150 Percent .....	1.0	10.8	3,172	369	1.0	1.1	3.3	979	116	6.5
<b>Age of Householder</b>										
Under 35 Years .....	1.1	12.6	3,694	428	1.1	1.1	3.4	999	117	4.3
35 to 59 Years .....	2.3	16.4	4,812	550	2.3	1.1	3.7	1,093	126	4.8
60 Years and Over .....	1.6	12.5	3,650	407	1.6	1.1	3.9	1,154	134	6.9
<b>Household Size</b>										
1 Person .....	1.3	7.2	2,120	250	1.3	1.0	3.1	904	109	6.7
2 to 4 Persons .....	3.4	16.0	4,697	531	3.4	1.1	3.9	1,136	130	5.4
5 or More Persons .....	0.4	22.6	6,621	754	0.4	1.1	4.5	1,316	150	7.6

See footnotes at end of table.

**Table 26. Electricity Consumption and Expenditures for Appliances and Refrigerators, per Northeast Region 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>	
<b>Middle Atlantic Division</b> .....	14.4	13.8	4,035	476	14.3	1.2	3.9	1,152	141	3.7
<b>Climate Zone<sup>2</sup></b>										
Under 2,000 CDD and										
Over 5,500 HDD .....	6.1	15.5	4,532	465	6.1	1.2	4.0	1,165	123	4.3
Under 5,500 HDD .....	8.3	12.5	3,665	483	8.2	1.1	3.9	1,143	154	4.3
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 .....	8.8	17.5	5,137	580	8.8	1.2	4.5	1,317	151	4.4
Mobile Home .....	0.3	12.1	3,561	386	0.3	1.0	3.3	973	107	14.1
Multifamily (2 or more units) .....	5.3	7.6	2,225	307	5.2	1.0	3.0	885	125	3.5
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	4.2	7.0	2,052	278	4.1	1.0	2.9	854	119	3.4
1,000 to 1,999 .....	5.1	12.7	3,725	435	5.0	1.1	3.8	1,106	131	5.2
2,000 or More .....	5.2	20.3	5,939	676	5.2	1.3	4.9	1,436	167	4.9
<b>Ownership of Unit</b>										
Owned .....	9.1	17.0	4,990	570	9.1	1.2	4.4	1,295	152	3.6
Rented .....	5.3	8.2	2,402	314	5.3	1.0	3.1	904	121	4.1
<b>Year of Construction</b>										
1939 or Before .....	4.8	11.6	3,400	420	4.8	1.1	3.6	1,056	134	5.7
1940 to 1979 .....	7.4	14.7	4,317	512	7.3	1.2	4.2	1,223	150	5.5
1980 or After <sup>3</sup> .....	2.2	15.3	4,484	476	2.2	1.1	3.8	1,125	123	7.6
<b>1993 Family Income</b>										
Less than \$10,000 .....	2.4	8.9	2,613	329	2.4	1.1	3.6	1,057	137	5.6
\$10,000 to \$19,999 .....	2.7	10.6	3,117	357	2.6	1.1	3.7	1,074	125	6.2
\$20,000 to \$34,999 .....	3.1	12.7	3,715	440	3.1	1.2	3.8	1,125	139	6.1
\$35,000 to \$49,999 .....	2.8	16.1	4,726	533	2.8	1.1	3.9	1,134	135	5.9
\$50,000 or More .....	3.5	18.6	5,450	653	3.5	1.2	4.5	1,316	161	6.3
<b>Below Poverty Line</b>										
100 Percent .....	2.4	10.4	3,046	374	2.4	1.1	3.6	1,057	134	4.8
125 Percent .....	3.1	10.8	3,157	384	3.1	1.1	3.7	1,076	136	4.3
150 Percent .....	3.7	11.2	3,272	391	3.6	1.1	3.7	1,097	137	4.7
<b>Age of Householder</b>										
Under 35 Years .....	3.5	11.7	3,427	406	3.5	1.1	3.4	986	122	4.6
35 to 59 Years .....	6.5	16.6	4,879	570	6.5	1.2	4.1	1,199	145	4.5
60 Years and Over .....	4.4	11.2	3,283	393	4.4	1.2	4.1	1,216	149	5.7
<b>Household Size</b>										
1 Person .....	3.5	7.2	2,106	263	3.5	1.1	3.5	1,021	130	6.2
2 to 4 Persons .....	9.5	14.8	4,348	504	9.5	1.2	4.0	1,160	139	2.6
5 or More Persons .....	1.4	22.8	6,684	805	1.4	1.2	4.8	1,418	174	8.8

<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.

-- = 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 27. Natural Gas and LPG Consumption and Expenditures for Appliances, per Northeast Region 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>	2.0	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.1 <sup>1</sup>	

**Northeast Region**

<b>Total Region</b> .....	10.1	7.6	7.4	72	1.0	5.1	56	97	6.8
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and Over 5,500 HDD .....	4.3	7.6	7.4	63	0.9	5.0	55	93	10.2
Under 5,500 HDD .....	5.7	7.5	7.3	79	0.2	5.4	59	116	10.2
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 .....	5.5	8.3	8.1	69	0.7	5.3	58	100	9.3
Mobile Home .....	Q	Q	Q	Q	0.3	4.3	47	85	13.4
Multifamily (2 or more units) .....	4.5	6.7	6.5	76	Q	Q	Q	Q	6.8
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	3.5	6.3	6.2	70	0.4	4.9	53	85	10.9
1,000 to 1,999 .....	3.5	7.5	7.3	71	0.4	4.6	51	92	9.8
2,000 or More .....	3.1	9.0	8.7	76	0.3	5.9	64	116	10.4
<b>Ownership of Unit</b>									
Owned .....	5.8	8.1	7.8	70	0.8	5.3	58	99	9.2
Rented .....	4.3	6.9	6.7	75	0.3	4.4	48	91	9.4
<b>Year of Construction</b>									
1939 or Before .....	4.2	7.4	7.2	78	0.4	4.8	52	96	8.0
1940 to 1979 .....	5.0	7.6	7.4	68	0.4	4.9	54	96	11.0
1980 or After <sup>3</sup> .....	0.8	8.0	7.8	67	0.2	6.0	66	101	14.1
<b>1993 Family Income</b>									
Less than \$10,000 .....	1.8	7.1	6.9	77	Q	Q	Q	Q	7.8
\$10,000 to \$19,999 .....	1.8	6.6	6.4	59	0.2	4.0	43	72	13.4
\$20,000 to \$34,999 .....	2.1	6.5	6.3	63	0.3	5.7	62	109	11.4
\$35,000 to \$49,999 .....	1.8	6.9	6.7	69	0.2	5.8	64	106	12.8
\$50,000 or More .....	2.5	9.9	9.7	89	0.1	6.2	68	123	15.4
<b>Below Poverty Line</b>									
100 Percent .....	1.9	7.7	7.5	83	Q	Q	Q	Q	7.3
125 Percent .....	2.4	7.6	7.4	81	0.2	3.3	36	69	9.6
150 Percent .....	2.8	7.7	7.5	80	0.2	3.3	37	69	9.7
<b>Age of Householder</b>									
Under 35 Years .....	2.6	7.5	7.3	76	0.2	5.6	61	100	8.5
35 to 59 Years .....	4.3	8.5	8.3	79	0.6	5.1	56	99	9.2
60 Years and Over .....	3.2	6.3	6.2	60	0.2	4.5	49	88	14.0
<b>Household Size</b>									
1 Person .....	2.3	4.1	4.0	47	0.2	4.1	44	79	10.6
2 to 4 Persons .....	6.7	8.0	7.8	74	0.7	5.2	57	96	6.2
5 or More Persons .....	1.0	12.6	12.3	118	Q	Q	Q	Q	15.0

See footnotes at end of table.

**Table 27. Natural Gas and LPG Consumption and Expenditures for Appliances, per Northeast Region Households, 1993 (Continued)**

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>	2.0	1.2 <sup>1</sup>	1.2 <sup>1</sup>	
<b>New England Division</b> .....	1.7	8.5	8.3	81	0.4	4.8	53	91	17.0
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and Over 5,500 HDD .....	1.7	8.5	8.3	81	0.4	4.8	53	91	17.0
Under 5,500 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
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 .....	0.8	9.3	9.1	87	0.3	5.1	56	96	19.8
Mobile Home .....	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) .....	0.9	7.8	7.6	76	Q	Q	Q	Q	16.6
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	0.6	7.4	7.2	68	0.1	4.2	46	77	20.9
1,000 to 1,999 .....	0.6	7.8	7.6	81	0.1	5.8	63	110	14.3
2,000 or More .....	0.5	11.0	10.7	100	0.1	4.5	50	84	17.8
<b>Ownership of Unit</b>									
Owned .....	0.9	8.6	8.4	82	0.3	4.9	54	93	21.9
Rented .....	0.8	8.4	8.2	81	Q	Q	Q	Q	16.0
<b>Year of Construction</b>									
1939 or Before .....	0.9	9.0	8.8	90	0.1	4.7	52	85	14.1
1940 to 1979 .....	0.6	7.4	7.2	65	0.2	4.8	52	92	22.2
1980 or After <sup>3</sup> .....	0.1	11.0	10.7	109	0.1	5.4	59	99	22.2
<b>1993 Family Income</b>									
Less than \$10,000 .....	0.3	7.1	6.9	75	Q	Q	Q	Q	16.4
\$10,000 to \$19,999 .....	0.3	6.9	6.7	71	0.1	4.5	49	86	14.6
\$20,000 to \$34,999 .....	0.2	6.3	6.1	56	0.2	6.3	69	112	16.8
\$35,000 to \$49,999 .....	0.3	9.5	9.3	92	0.1	4.4	48	79	29.1
\$50,000 or More .....	0.5	10.8	10.5	96	Q	Q	Q	Q	43.5
<b>Below Poverty Line</b>									
100 Percent .....	0.3	8.4	8.2	81	Q	Q	Q	Q	22.6
125 Percent .....	0.4	8.2	7.9	80	Q	Q	Q	Q	12.4
150 Percent .....	0.5	7.7	7.5	81	Q	Q	Q	Q	14.3
<b>Age of Householder</b>									
Under 35 Years .....	0.5	9.2	9.0	92	Q	Q	Q	Q	15.0
35 to 59 Years .....	0.7	8.5	8.2	79	0.2	5.0	55	94	14.9
60 Years and Over .....	0.5	8.0	7.8	76	0.1	3.9	43	72	32.7
<b>Household Size</b>									
1 Person .....	0.4	4.7	4.6	51	Q	Q	Q	Q	25.8
2 to 4 Persons .....	1.1	9.2	8.9	86	0.3	5.2	57	97	15.6
5 or More Persons .....	0.1	15.6	15.2	137	Q	Q	Q	Q	43.2

See footnotes at end of table.

**Table 27. Natural Gas and LPG Consumption and Expenditures for Appliances, per Northeast Region Households, 1993 (Continued)**

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>	2.0	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Middle Atlantic Division</b> .....	8.4	7.4	7.2	70	0.6	5.3	58	102	7.3
<b>Climate Zone<sup>2</sup></b>									
Under 2,000 CDD and									
Over 5,500 HDD .....	2.6	7.0	6.8	51	0.4	5.2	57	96	13.7
Under 5,500 HDD .....	5.7	7.5	7.3	79	0.2	5.4	59	116	10.2
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 .....	4.7	8.1	7.9	66	0.4	5.5	60	103	10.5
Mobile Home .....	Q	Q	Q	Q	0.2	4.6	50	89	22.6
Multifamily (2 or more units) .....	3.6	6.4	6.2	76	Q	Q	Q	Q	7.5
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	2.8	6.1	5.9	71	0.2	5.3	58	90	13.6
1,000 to 1,999 .....	2.9	7.5	7.3	69	0.2	3.9	43	81	10.8
2,000 or More .....	2.6	8.6	8.4	72	0.2	7.1	77	145	16.4
<b>Ownership of Unit</b>									
Owned .....	4.9	8.0	7.7	68	0.4	5.7	62	104	10.1
Rented .....	3.5	6.5	6.3	74	0.2	4.2	46	97	10.6
<b>Year of Construction</b>									
1939 or Before .....	3.2	6.9	6.7	75	0.2	4.8	52	104	10.0
1940 to 1979 .....	4.4	7.6	7.4	69	0.2	5.1	55	99	14.0
1980 or After <sup>3</sup> .....	0.7	7.6	7.4	62	0.2	6.2	68	101	17.7
<b>1993 Family Income</b>									
Less than \$10,000 .....	1.5	7.1	6.9	77	Q	Q	Q	Q	8.9
\$10,000 to \$19,999 .....	1.5	6.5	6.3	57	Q	Q	Q	Q	13.3
\$20,000 to \$34,999 .....	1.8	6.6	6.4	64	0.2	5.2	57	108	13.4
\$35,000 to \$49,999 .....	1.6	6.5	6.3	64	Q	Q	Q	Q	9.5
\$50,000 or More .....	2.0	9.7	9.5	87	0.1	6.5	71	119	17.1
<b>Below Poverty Line</b>									
100 Percent .....	1.6	7.6	7.4	83	Q	Q	Q	Q	8.2
125 Percent .....	2.0	7.6	7.3	82	Q	Q	Q	Q	7.7
150 Percent .....	2.4	7.7	7.5	80	Q	Q	Q	Q	8.0
<b>Age of Householder</b>									
Under 35 Years .....	2.2	7.1	6.9	73	0.2	5.5	60	95	11.3
35 to 59 Years .....	3.6	8.5	8.3	79	0.4	5.2	56	102	12.0
60 Years and Over .....	2.6	6.0	5.8	57	Q	Q	Q	Q	9.6
<b>Household Size</b>									
1 Person .....	1.9	4.0	3.9	47	Q	Q	Q	Q	10.1
2 to 4 Persons .....	5.6	7.7	7.5	71	0.4	5.2	56	96	7.1
5 or More Persons .....	0.9	12.2	11.9	115	Q	Q	Q	Q	16.4

<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. • 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.