

Construction and Housing

This section presents data on the construction industry and on various indicators of its activity and costs; on housing units and their characteristics and occupants; and on the characteristics and vacancy rates for commercial buildings. This edition contains data from the 2001 American Housing Survey.

The principal source of these data is the U.S. Census Bureau, which issues a variety of current publications. Construction statistics compiled by the Census Bureau appear in its *New Residential Construction* and *New Residential Sales* press releases and Web sites <<http://www.census.gov/const/www/>>. Statistics on expenditures by owners of residential properties are issued quarterly and annually in *Expenditures for Residential Upkeep and Improvements*. *Value of New Construction Put in Place* presents data on all types of construction and includes monthly composite cost indexes. Reports of the censuses of construction industries (see below) are also issued on various topics.

Other Census Bureau publications include the *Current Housing Reports* series, which comprises the quarterly *Housing Vacancies*, the quarterly *Market Absorption of Apartments*, the biennial *American Housing Survey* (formerly *Annual Housing Survey*), and reports of the censuses of housing and of construction industries. *Construction Review*, published quarterly by the International Trade Administration, U.S. Department of Commerce, contains many of the census series and other construction statistics series from the federal government and private agencies.

Other sources include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, NY, which presents national and state data on construction contracts; the National Association of Home Builders with state-level data on housing starts; the NATIONAL ASSOCIATION OF REALTORS®, which presents data

on existing home sales; the Society of Industrial and Office Realtors and Oncor International on commercial office and industrial space; the Bureau of Economic Analysis, which presents data on residential capital and gross housing product; and the U.S. Energy Information Administration, which provides data on commercial buildings through its periodic sample surveys.

Censuses and surveys—Censuses of the construction industry were first conducted by the Census Bureau for 1929, 1935, and 1939; beginning in 1967, a census has been taken every 5 years (through 1997, for years ending in “2” and “7”). The latest complete reports are for 1997. The 1997 census results are part of the 1997 Economic Census. See Table 910. See also text, Section 15, Business Enterprise.

The construction sector of the economic census, covers all employer establishments primarily engaged in (1) building construction by general contractors or operative builders; (2) heavy (nonbuilding) construction by general contractors; and (3) construction by special trade contractors. The 1997 census was conducted in accordance with the 1997 *North American Industry Classification System* (NAICS); the 1992 census was conducted in accordance with the 1987 *Standard Industrial Classification* (SIC). This sector now includes construction management and land subdividers and developers, not included previously. See text, Section 15, Business Enterprise, for general information on the SIC and NAICS.

From 1850 through 1930, the Census Bureau collected some housing data as part of its censuses of population and agriculture. Beginning in 1940, separate censuses of housing have been taken at 10-year intervals. For the 1970 and 1980 censuses, data on year-round housing

units were collected and issued on occupancy and structural characteristics, plumbing facilities, value, and rent; for 1990 such characteristics were presented for all housing units.

The American Housing Survey (*Current Housing Reports* Series H-150 and H-170), which began in 1973, provided an annual and ongoing series of data on selected housing and demographic characteristics until 1983. In 1984, the name of the survey was changed from the Annual Housing Survey. Currently, national data are collected every other year, and data for selected metropolitan areas are collected on a rotating basis. All samples represent a cross section of the housing stock in their respective areas. Estimates are subject to both sampling and nonsampling errors; caution should therefore be used in making comparisons between years.

Data on residential mortgages were collected continuously from 1890 to 1970,

except 1930, as part of the decennial census by the Census Bureau. Since 1973, mortgage status data, limited to single family homes on less than 10 acres with no business on the property, have been presented in the American Housing Survey. Data on mortgage activity are covered in Section 25, Banking and Finance.

Housing units—In general, a housing unit is a house, an apartment, a group of rooms or a single room occupied or intended for occupancy as separate living quarters; that is, the occupants live separately from any other individual in the building, and there is direct access from the outside or through a common hall. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

Statistical reliability—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

No. 909. Construction—Establishments, Employees, and Payroll by Kind of Business (NAICS Basis): 1999 and 2000

[For establishments with payroll. (6,201.6 represents 6,201,600). See Appendix III]

Industry	NAICS code ¹	Establishments		Paid employees ² (1,000)		Annual payroll (mil. dol.)	
		1999	2000	1999	2000	1999	2000
Construction	23	698,541	709,590	6,201.6	6,572.8	219,087.1	239,910.1
Building, developing, & general contracting	233	216,355	216,354	1,538.1	1,604.9	55,883.8	60,798.1
Land subdivision & land development	2331	12,383	13,111	68.0	77.9	2,814.5	3,269.2
Residential building construction	2332	160,178	159,550	741.6	781.0	23,225.8	25,519.7
Single-family housing construction	23321	151,952	151,296	677.1	713.3	20,956.6	23,058.3
Multifamily housing construction	23322	8,226	8,254	64.5	67.7	2,269.2	2,461.3
Nonresidential building construction	2333	43,794	43,693	728.5	746.0	29,843.5	32,009.3
Mfg & industrial building construction	23331	6,998	7,039	166.0	164.9	6,461.9	6,797.3
Commercial & institutional building construction	23332	36,796	36,654	562.5	581.2	23,381.6	25,212.0
Heavy construction	234	39,556	39,516	848.4	901.0	35,807.9	38,628.0
Highway, street, bridge, & tunnel construction	2341	11,911	11,795	284.4	304.9	13,469.4	14,316.1
Highway & street construction	23411	11,006	10,889	248.8	265.7	11,707.0	12,328.6
Bridge & tunnel construction	23412	905	906	35.6	39.3	1,762.5	1,987.5
Other heavy construction	2349	27,645	27,721	564.0	596.1	22,338.5	24,311.9
Water, sewer, & pipeline construction	23491	7,597	7,483	163.8	165.8	6,728.8	7,033.0
Power & communication transmission line construction	23492	3,436	3,644	85.3	97.5	3,187.0	3,815.8
Industrial nonbuilding structure construction	23493	696	689	98.6	101.7	3,844.7	4,137.8
All other heavy construction	23499	15,916	15,905	216.4	231.0	8,578.0	9,325.3
Special trade contractors	235	442,630	453,720	3,815.2	4,066.9	127,395.4	140,484.1
Plumbing, heating, & air-conditioning contractors	2351	89,125	90,487	862.0	897.9	31,044.9	33,406.0
Painting & wall covering contractors	2352	39,767	40,973	212.1	221.8	5,684.3	6,121.4
Electrical contractors	2353	66,220	66,802	742.5	815.1	28,361.5	32,698.0
Masonry, drywall, insulation, & tile contractors	2354	52,704	53,625	538.9	565.0	15,995.3	17,389.8
Masonry & stone contractors	23541	24,532	25,030	182.7	197.9	5,208.9	5,667.8
Drywall, plastering, acoustical, & insulation contractors	23542	21,515	21,774	312.7	319.3	9,454.2	10,224.4
Tile, marble, terrazzo, & mosaic contractors	23543	6,657	6,821	43.5	47.8	1,332.2	1,497.7
Carpentry & floor contractors	2355	57,801	58,525	327.8	347.3	9,104.4	9,963.6
Carpentry contractors	23551	44,449	45,028	256.3	269.8	6,935.4	7,533.3
Floor laying & other floor contractors	23552	13,352	13,497	71.5	77.5	2,169.1	2,430.3
Roofing, siding, & sheet metal contractors	2356	30,767	30,966	257.6	260.8	7,614.4	7,928.8
Concrete contractors	2357	29,870	30,238	269.2	292.6	8,718.1	9,501.2
Water well drilling contractors	2358	3,789	3,797	20.5	21.6	636.8	688.5
Other special trade contractors	2359	72,587	78,307	584.5	644.9	20,235.7	22,786.6
Structural steel erection contractors	23591	4,945	5,382	86.6	93.6	3,199.8	3,585.8
Glass & glazing contractors	23592	5,450	5,772	42.3	45.8	1,409.8	1,570.1
Excavation contractors	23593	25,060	27,005	133.2	152.5	4,625.7	5,253.6
Wrecking & demolition contractors	23594	1,519	1,752	19.4	21.9	703.0	808.7
Building equip & other machinery installation contractors	23595	4,374	4,820	73.4	80.9	3,472.6	3,859.6
All other special trade contractors	23599	31,239	33,576	229.6	250.1	6,824.9	7,708.7

¹ North American Industry Classification System code; see text, Section 15, Business Enterprise. ² Employees on the payroll for the pay period including March 12.

Source: U.S. Census Bureau, "County Business Patterns"; published 30 May 2002; <<http://www.census.gov/epcd/cbp/view/cbpview.html>>.

No. 910. Construction—Establishments, Employees, and Payroll by Kind of Business (NAICS Basis): 1997

[For establishments with payroll (174,185 represents \$174,185,000,000). Based on the 1997 Economic Census; See Appendix III]

Kind of business	NAICS code ¹	Number of employees			Payroll (mil. dol.)		Net value of construction work (mil. dol.)
		Number of establishments	All	Construction workers	All employees	Construction workers	
Construction	23	656,448	5,664,853	4,332,737	174,185	119,677	612,209
Building, developing, & general contracting	233	199,289	1,342,953	885,939	42,546	23,136	198,827
Land subdivision & land development	2331	8,186	41,827	10,977	1,510	254	10,248
Residential building construction	2332	146,394	629,887	407,801	16,731	8,762	100,124
Nonresidential building construction	2333	44,710	671,239	467,161	24,305	14,119	88,455
Heavy construction	234	42,557	880,400	710,898	30,292	22,219	105,639
Highway, street, bridge, & tunnel construction	2341	12,448	325,743	265,267	11,375	8,474	46,274
Other heavy construction	2349	30,109	554,657	445,630	18,917	13,745	59,365
Special trade contractors	235	414,602	3,441,500	2,735,901	101,347	74,322	307,743
Plumbing, heating, & air-conditioning contractors	2351	84,876	788,930	599,940	25,720	18,280	78,496
Painting & wall covering contractors	2352	37,480	195,331	160,740	4,543	3,431	12,050
Electrical contractors	2353	61,414	641,985	510,921	21,680	16,261	61,121
Masonry, drywall, insulation, & tile contractors	2354	49,917	470,701	407,700	12,612	10,073	34,843
Carpentry & floor contractors	2355	56,936	290,942	228,273	7,163	5,116	24,049
Roofing, siding, & sheet metal contractors	2356	30,557	253,315	197,294	6,495	4,370	21,976
Concrete contractors	2357	30,417	262,256	222,121	6,858	5,298	23,604
Water well drilling contractors	2358	3,862	21,214	15,360	576	399	2,132
Other special trade contractors	2359	59,143	516,824	393,552	15,699	11,095	49,472

¹ North American Industry Classification System, 1997; see text, Section 15, Business Enterprise.

Source: U.S. Census Bureau, 1997 *Economic Census, Construction*, Series EC97C23S-IS, issued January 2000. See Internet site: <<http://www.census.gov/epcd/www/econ97.html>>.

No. 911. Construction Materials—Producer Price Indexes: 1990 to 2001

[1982=100, except as noted. Data for 2001 are preliminary. For discussion of producer price indexes, see text, Section 14, Prices. This index, more formally known as the special commodity grouping index for construction materials, covers materials incorporated as integral part of a building or normally installed during construction and not readily removable. Excludes consumer durables such as kitchen ranges, refrigerators, etc. This index is not the same as the stage-of-processing index of intermediate materials and components for construction]

Commodity	1990	1994	1995	1996	1997	1998	1999	2000	2001
Construction materials	119.6	133.8	138.8	139.6	142.1	141.4	142.8	144.1	142.8
Interior solvent based paint	133.0	148.1	164.5	175.6	180.5	185.7	188.0	191.1	190.2
Construction products from plastics	117.2	122.9	133.8	130.9	128.2	126.2	128.0	135.8	133.1
Douglas fir, dressed	138.4	236.2	198.8	227.1	221.3	186.1	212.1	185.2	178.0
Southern pine, dressed	111.2	182.6	166.9	177.9	201.2	177.3	185.7	161.0	152.5
Millwork	130.4	162.4	163.8	166.6	170.9	171.1	174.7	176.4	179.1
Softwood plywood	119.6	176.8	188.1	173.7	175.5	174.9	207.0	173.3	168.0
Hardwood plywood and related products	102.7	122.3	122.2	124.9	127.1	126.9	128.6	130.2	129.8
Softwood plywood veneer, ex. reinforced/backed	142.3	207.8	203.5	189.3	201.7	180.1	197.4	182.2	175.7
Building paper and building board mill products	112.2	144.1	144.9	137.2	129.6	132.9	141.6	138.8	128.9
Steel pipe and tubes ¹	102.6	96.9	104.4	103.2	106.9	109.4	102.5	106.6	103.8
Builders hardware	133.0	148.0	153.2	156.5	158.4	160.8	161.9	163.8	166.4
Plumbing fixtures and brass fittings	144.3	159.6	166.0	171.1	174.5	175.1	176.7	180.4	180.7
Heating equipment	131.6	142.5	147.5	151.2	152.4	153.3	154.0	155.6	157.1
Metal doors, sash ² , and trim	131.4	142.0	156.5	159.3	161.0	161.3	162.2	165.1	167.1
Siding, aluminum ³	(NA)	119.4	132.4	125.5	132.1	134.5	135.4	142.2	141.4
Outdoor lighting equipment, including parts ³	113.0	115.4	120.8	122.9	123.2	122.8	122.3	124.7	126.0
Commercial fluorescent fixtures ⁴	113.0	116.2	121.0	123.4	122.8	119.0	118.7	117.7	113.0
Architectural and ornamental metalwork ⁵	118.7	123.4	128.0	131.3	133.5	135.4	136.2	139.8	141.8
Fabricated ferrous wire products ¹	114.6	122.6	125.7	126.8	128.0	130.1	130.6	130.0	129.8
Elevators, escalators, and other lifts	110.1	112.4	113.0	113.7	114.8	116.0	117.5	118.7	119.4
Stamped metal switch and receptacle box	158.0	179.1	183.5	186.3	189.0	191.5	192.8	183.0	195.4
Concrete ingredients and related products	115.3	128.7	134.7	138.8	142.5	147.6	152.1	155.6	159.1
Concrete products	113.5	124.6	129.4	132.2	136.0	140.0	143.7	147.8	151.7
Clay construction products exc. refractories	129.9	138.3	141.3	142.3	143.5	144.9	148.3	152.8	158.0
Prep. asphalt and tar roofing and siding products	95.8	92.9	97.8	97.4	96.5	95.7	95.2	100.0	103.2
Gypsum products	105.2	136.1	154.5	154.0	170.8	177.6	208.0	201.4	156.1
Insulation materials	108.4	111.9	118.8	118.9	117.7	119.7	131.7	128.6	127.5
Paving mixtures and blocks	101.2	103.2	105.8	107.6	113.2	112.5	112.9	130.4	134.6

NA Not available. ¹ June 1982=100. ² December 1982=100. ³ June 1985=100. ⁴ Recessed nonair. ⁵ December 1983=100.

Source: U.S. Bureau of Labor Statistics, *Producer Price Indexes*, monthly and annual.

No. 912. Price and Cost Indexes for Construction: 1980 to 2001

[1996=100. Excludes Alaska and Hawaii. Indexes of certain of these sources are published on bases different from those shown here]

Name of index	1980	1985	1990	1995	1997	1998	1999	2000	2001
U.S. Census Bureau Composite:									
Fixed-weighted ¹	59.3	71.8	85.5	97.7	103.2	106.0	110.3	115.3	119.6
Implicit price deflator ²	59.0	71.1	85.0	97.8	103.3	106.1	110.4	115.4	119.6
U.S. Census Bureau houses under construction:									
Fixed-weighted	58.0	69.8	84.6	98.1	102.9	105.6	110.4	115.4	120.6
Price deflator	57.0	68.3	83.4	98.1	102.9	105.6	110.4	115.5	120.5
Federal Highway Administration, composite ⁴	79.7	83.6	88.9	99.8	107.5	105.2	111.9	119.3	118.7
Bureau of Reclamation composite ⁵	62	75	85	98	103	105	107	111	112
Turner Construction Co.: Building construction ⁶	54	74	87	97	104	109	113	118	121
Engineering News-Record: ⁷									
Buildings	60.6	75.8	84.4	97.1	105.0	105.8	107.9	110.5	111.6
Construction	57.6	74.6	84.2	97.3	103.6	105.3	107.8	110.7	112.8
Handy-Whitman public utility: ⁸									
Buildings ⁹	66	76	85	97	103	104	107	110	113
Electric	60	74	86	98	102	104	105	109	113
Gas	60	75	86	99	102	104	107	111	114
Water ¹⁰	64	76	85	98	102	104	107	112	116
C. A. Turner Telephone Plant ¹¹	79	77	87	96	102	102	101	103	106

¹ Weighted average of the various indexes used to deflate the Construction Put in Place series. In calculating the index, the weights (i.e., the composition of current dollar estimates in 1996 by category) are held constant.
² Derived ratio of total current to constant dollar Construction Put in Place (multiplied by 100).
³ Excludes value of site.
⁴ Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete).
⁵ Derived from the four quarterly indexes which are weighted averages of costs of labor, materials, and equipment for the construction of dams and reclamation projects.
⁶ Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity.
⁷ Building construction index computed on the basis of a hypothetical unit of construction requiring 6 bbl. of portland cement, 1,088 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor.
⁸ Based on data covering public utility construction costs in six geographic regions. Covers skilled and common labor.
⁹ As derived by U.S. Census Bureau. Covers steam generation plants only.
¹⁰ As derived by U.S. Census Bureau. Reflects costs for structures and improvements at water pumping and treatment plants.
¹¹ Computed by the Census Bureau by averaging the weighted component indexes published for six geographic regions.

Source: U.S. Census Bureau, *Current Construction Reports*, Series C30, *Value of Construction Put in Place*. Also in U.S. International Trade Administration, *Construction Review*, quarterly.

No. 913. Value of New Construction Put in Place: 1964 to 2001

[In millions of dollars (75,097 represents \$75,097,000,000). Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III]

Year	Current dollars					Constant (1996) dollars				
	Private				Public	Private				Public
	Total	Total ¹	Residential buildings	Nonresidential buildings		Total	Total ¹	Residential buildings	Nonresidential buildings	
1964	75,097	54,893	30,526	17,385	20,203	405,864	300,372	169,635	96,497	105,492
1970	105,890	77,982	35,863	28,171	27,908	429,041	321,940	155,113	115,372	107,101
1975	152,635	109,342	51,581	35,409	43,293	404,132	298,555	149,410	96,407	105,577
1980	273,936	210,290	100,381	72,480	63,646	464,144	364,101	175,822	129,275	100,043
1982	279,332	216,268	84,676	92,690	63,064	423,729	333,894	134,605	145,054	89,835
1983	311,887	248,437	125,833	87,069	63,450	465,073	375,193	195,028	131,289	89,880
1984	370,190	299,952	155,015	107,680	70,238	534,557	437,325	231,396	155,261	97,232
1985	403,416	325,601	160,520	127,466	77,815	567,689	463,854	234,955	178,925	103,835
1986	433,454	348,872	190,677	120,917	84,582	588,804	479,623	266,481	163,740	109,182
1987	446,643	355,994	199,652	123,247	90,648	585,103	470,575	267,063	160,363	114,528
1988	462,012	367,277	204,496	130,854	94,735	583,396	467,599	263,385	164,191	115,797
1989	477,502	379,328	204,255	139,953	98,174	579,583	463,541	252,745	169,173	116,042
1990	476,778	369,300	191,103	143,506	107,478	560,802	436,999	228,943	167,896	123,803
1991	432,592	322,483	166,251	116,570	110,109	503,711	378,245	197,526	135,389	125,467
1992	463,661	347,814	199,393	105,646	115,847	533,322	401,567	232,134	120,921	131,755
1993	491,033	375,073	225,067	107,715	115,960	544,285	415,565	249,763	118,988	128,720
1994	539,193	418,999	258,561	120,284	120,193	574,256	445,414	274,966	127,576	128,842
1995	557,818	427,885	247,351	138,015	129,933	570,188	436,738	251,953	141,218	133,450
1996	615,900	476,638	281,115	155,858	139,263	615,797	476,650	281,207	155,813	139,147
1997	653,429	502,734	289,014	173,875	150,695	635,680	487,197	280,720	167,610	145,483
1998	705,685	551,383	314,607	190,710	154,302	662,156	519,859	297,960	177,644	145,297
1999	765,876	596,331	350,562	193,935	169,545	694,123	540,220	317,236	173,429	153,904
2000	820,345	641,783	374,457	208,241	178,561	711,328	556,426	323,977	178,074	154,902
2001	842,539	650,030	388,705	201,094	192,509	704,747	542,782	322,305	166,587	161,965

¹ Includes other types of private construction, not shown separately.

Source: U.S. Census Bureau, *Current Construction Reports*, Series C30, *Value of Construction, Put in Place*, monthly. See Internet site <<http://www.census.gov/ftp/pub/const/www/C30index.html>>.

No. 914. Value of New Construction Put in Place by Type: 1990 to 2001

[In millions of dollars (476,778 represents \$476,778,000,000). Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building service equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. For methodology, see Appendix III]

Type of construction	Current dollars					Constant (1996) dollars				
	1990	1995	1999	2000	2001	1990	1995	1999	2000	2001
Total new construction.	476,778	557,818	765,876	820,345	842,539	560,802	570,188	694,123	711,328	704,747
Private construction.	369,300	427,885	596,331	641,783	650,030	436,999	436,738	540,220	556,426	542,782
Residential buildings	191,103	247,351	350,562	374,457	388,705	228,943	251,953	317,236	323,977	322,305
New housing units	132,137	171,404	251,272	265,047	279,772	158,319	174,585	227,467	229,324	232,008
1 unit	112,886	153,515	223,837	236,788	249,086	135,253	156,363	202,620	204,867	206,557
2 or more units	19,250	17,889	27,434	28,259	30,686	23,066	18,222	24,848	24,457	25,451
Improvements	58,966	75,947	99,290	109,410	108,933	70,625	77,368	89,769	94,653	90,297
Nonresidential buildings	143,506	138,015	193,935	208,241	201,094	167,896	141,218	173,429	178,074	166,587
Industrial	33,636	35,498	32,639	31,801	29,046	39,350	36,322	29,206	27,194	24,072
Office	35,055	25,613	47,582	55,605	52,020	41,027	26,218	42,552	47,534	43,112
Hotels, motels	10,679	7,112	15,951	16,293	14,421	12,497	7,274	14,274	13,944	11,948
Other commercial	40,047	42,654	56,915	60,381	60,297	46,847	43,636	50,870	51,635	49,933
Religious	3,566	4,326	7,371	8,019	8,310	4,169	4,426	6,590	6,858	6,880
Educational	4,616	5,493	9,645	11,375	12,629	5,398	5,621	8,621	9,726	10,454
Hospital and institutional	10,868	11,248	13,530	14,434	15,114	12,710	11,512	12,102	12,342	12,518
Miscellaneous ¹	5,040	6,071	10,301	10,332	9,259	5,897	6,209	9,214	8,841	7,670
Farm nonresidential	2,801	3,014	5,059	5,988	6,134	3,276	3,084	4,519	5,115	5,076
Public utilities	28,933	36,084	44,066	50,144	51,114	33,505	36,965	42,534	46,641	46,230
Telecommunications	9,803	11,093	18,404	18,799	18,538	11,346	11,556	18,305	18,272	17,440
Other public utilities	19,130	24,991	25,662	31,345	32,576	22,159	25,409	24,229	28,370	28,789
Railroads	2,600	3,509	4,670	4,263	4,149	2,969	3,609	4,311	3,781	3,595
Electric light and power	11,299	14,274	14,585	21,149	22,515	13,083	14,535	13,892	19,280	19,990
Gas	4,820	6,279	4,918	4,930	4,969	5,627	6,329	4,625	4,411	4,374
Petroleum pipelines	411	929	1,489	1,003	943	480	936	1,401	897	830
All other private ²	2,957	3,420	2,709	2,954	2,983	3,379	3,518	2,501	2,619	2,584
Public construction.	107,478	129,933	169,545	178,561	192,509	123,803	133,450	153,904	154,902	161,965
Buildings	43,615	57,754	80,418	88,566	96,967	51,117	59,074	71,928	75,772	80,280
Housing and redevelopment	3,808	4,698	4,653	4,308	4,751	4,560	4,786	4,218	3,726	3,940
Industrial	1,434	1,508	925	1,157	1,556	1,677	1,544	827	990	1,288
Educational	16,055	25,783	42,427	49,814	55,752	18,772	26,374	37,904	42,588	46,148
Hospital	2,860	4,236	4,026	4,135	4,053	3,348	4,335	3,600	3,538	3,355
Other ³	19,458	21,528	28,387	29,151	30,855	22,760	22,034	25,378	24,930	25,549
Highways and streets	32,105	37,616	48,851	49,262	54,026	35,879	38,952	44,559	42,764	45,415
Military facilities	2,665	3,011	2,125	2,441	2,843	3,050	3,102	1,922	2,105	2,372
Conservation and development	4,686	6,308	6,088	6,063	7,122	5,482	6,443	5,682	5,494	6,371
Sewer systems	10,276	8,420	9,864	8,807	8,751	12,010	8,600	9,214	7,982	7,828
Water supply facilities	4,909	4,709	6,541	5,993	7,152	5,730	4,809	6,147	5,327	6,138
Miscellaneous public ⁴	9,223	12,116	15,658	17,429	15,648	10,535	12,468	14,453	15,459	13,561

¹ Includes amusement and recreational buildings, bus and airline terminals, animal hospitals and shelters, etc. ² Includes privately owned streets and bridges, parking areas, sewer and water facilities, parks and playgrounds, golf courses, airfields, etc. ³ Includes general administrative buildings, prisons, police and fire stations, courthouses, civic centers, passenger terminals, space facilities, postal facilities, etc. ⁴ Includes open amusement and recreational facilities, power generating facilities, transit systems, airfields, open parking facilities, etc.

Source: U.S. Census Bureau, *Current Construction Reports*, Series C30, *Value of Construction, Put in Place*, monthly. See Internet site <<http://www.census.gov/hp/pub/const/www/C30index.html>>.

No. 915. Value of Private Nonresidential Construction Put in Place: 1993 to 2001

[In millions of dollars (110,996 represents \$110,996,000,000). Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Data are not directly comparable to Tables 913 and 914 due to a new classification system which bases project types on their end usage instead of building/nonbuilding and ownership types. See Appendix III]

Type of construction	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹
Total construction²	110,996	123,174	141,435	158,663	176,267	193,280	196,644	211,195	204,077
Lodging	4,590	4,657	7,131	10,914	12,898	14,818	15,955	16,304	14,447
Office	219,999	20,443	22,996	26,530	32,813	40,394	45,052	52,407	49,621
General	17,314	18,008	20,569	23,216	29,301	37,615	41,745	49,637	47,017
Financial	2,604	2,361	2,339	3,231	3,157	2,636	3,125	2,689	2,583
Commercial ²	31,005	36,389	41,082	45,723	49,273	51,398	54,317	58,067	58,007
Automotive ²	2,077	2,731	4,191	5,251	5,736	5,270	5,904	5,967	5,503
Sales	473	659	883	1,250	1,743	1,542	1,573	1,629	2,008
Service/parts	1,099	1,613	2,448	2,993	3,213	2,527	3,270	3,009	2,286
Parking	421	458	860	1,008	781	1,200	1,062	1,329	1,208
Food/beverage ²	6,201	6,133	7,169	7,478	8,566	9,118	8,277	8,786	8,696
Food	2,766	2,627	3,062	3,776	4,658	4,665	4,610	4,792	4,309
Dining/drinking	2,108	2,830	3,408	2,958	3,058	3,817	2,874	2,935	3,388
Fast food	1,243	670	699	744	850	636	793	1,058	999
Multiretail ²	11,483	12,228	11,976	13,331	12,157	13,254	15,234	14,911	16,355
General merchandise	3,787	5,421	5,339	5,159	4,083	3,778	4,668	5,100	5,098
Shopping center	4,942	4,585	4,086	5,496	5,694	6,045	7,186	6,803	7,689
Shopping mall	1,973	1,718	2,175	2,189	1,949	2,917	2,873	2,523	2,759
Other commercial ²	5,934	8,994	8,432	8,202	10,203	11,050	11,179	13,537	11,805
Drug store	349	326	536	750	1,007	1,409	1,645	1,682	1,216
Building supply store	850	1,194	1,372	1,201	1,323	1,742	1,588	2,592	2,914
Other stores	4,264	6,826	5,653	5,327	7,090	7,025	6,849	8,136	6,919
Warehouse	5,181	6,298	9,299	11,458	12,563	12,698	13,702	14,822	15,600
General commercial	5,079	6,166	8,944	10,849	11,501	11,732	12,756	13,511	14,330
Ministorage	86	126	319	594	993	918	892	1,263	1,242
Health care	14,939	15,447	15,259	15,420	17,390	17,737	18,388	19,455	19,619
Hospital	9,754	9,891	8,807	8,348	9,968	9,469	9,490	10,182	11,504
Medical building	2,840	3,398	4,064	3,728	4,001	4,070	4,911	5,066	4,521
Special care	2,345	2,158	2,388	3,344	3,421	4,197	3,987	4,206	3,593
Educational ²	4,814	5,009	5,699	6,985	8,802	9,829	9,756	11,684	12,863
Preschool	169	421	326	398	531	619	662	770	887
Primary/secondary	725	849	1,245	1,560	2,032	2,174	2,421	2,949	3,522
Higher education ²	3,240	2,939	3,055	3,619	4,327	4,945	5,204	6,334	6,664
Instructional	1,806	1,937	1,712	2,028	1,991	2,469	2,258	3,058	3,287
Dormitory	521	324	483	573	789	955	1,274	1,356	1,548
Sports/recreation	220	236	192	260	475	403	515	645	707
Other educational	549	649	817	1,042	1,714	1,798	1,232	1,318	1,371
Gallery/museum	357	387	571	662	1,107	1,127	778	920	926
Religious ²	3,894	3,871	4,348	4,537	5,782	6,604	7,372	8,030	8,318
House of worship	2,804	2,808	2,951	3,211	3,844	4,549	5,056	5,656	5,974
Other religious	1,075	1,051	1,389	1,318	1,935	2,054	2,314	2,348	2,321
Auxiliary building	382	507	619	620	874	992	1,252	1,280	1,239
Public safety	215	327	185	321	569	586	465	424	273
Amusement and recreation ²	4,601	5,108	5,886	7,016	8,537	8,589	9,551	8,768	7,662
Theme/amusement park	478	709	563	727	723	866	919	747	463
Sports	534	716	910	1,193	1,333	1,136	1,495	1,068	1,064
Fitness	509	458	637	622	801	889	1,137	1,152	1,260
Performance/meeting center	274	369	365	539	628	603	546	732	925
Social center	1,488	1,293	1,558	1,597	1,979	2,093	2,006	2,367	2,317
Movie theater/studio	331	623	848	1,271	2,199	2,441	2,376	1,461	752
Transportation ²	1,572	1,364	1,250	1,422	1,285	1,554	1,855	2,616	2,750
Air	1,026	914	666	871	901	1,093	1,107	1,804	2,002
Land	401	233	499	396	261	376	494	644	594
Sewage and waste disposal	373	299	576	637	468	339	516	508	380
Water supply	426	567	670	468	448	543	413	714	541
Manufacturing	23,371	28,845	35,364	38,101	37,624	40,482	32,631	31,800	29,066
Food/beverage/tobacco	2,031	2,809	4,525	4,294	3,957	3,538	3,383	3,374	2,873
Textile/apparel/leather & allied	773	651	824	743	584	712	456	350	245
Wood	279	413	616	689	522	492	427	412	283
Paper	1,886	1,623	1,448	1,711	1,548	1,232	837	629	993
Print/publishing	539	739	1,197	993	930	1,104	856	718	968
Petroleum/coal	2,729	2,593	4,741	2,348	1,186	1,064	927	1,069	757
Chemical	4,937	6,270	5,531	5,445	6,034	8,264	6,181	3,222	3,711
Plastic/rubber	1,808	1,121	1,475	1,632	1,959	2,137	2,222	1,398	1,081
Nonmetallic mineral	160	222	856	1,220	1,004	1,481	1,188	1,603	1,709
Primary metal	834	2,567	2,533	2,244	2,802	2,603	1,993	1,677	621
Fabricated metal	442	744	808	1,585	2,162	2,036	1,890	1,823	1,111
Machinery	352	1,296	1,275	1,169	1,106	1,257	965	731	683
Computer/electronic/electrical	2,158	4,118	6,332	8,945	7,537	7,557	4,415	5,386	4,746
Transportation equipment	2,289	2,631	2,382	2,948	3,453	3,497	3,418	5,347	5,435
Furniture	121	260	213	308	167	296	282	349	187
Miscellaneous	2,033	788	607	1,827	2,671	3,212	3,190	3,713	3,661

¹ Preliminary. ² Includes other types of construction, not shown separately.

Source: U.S. Census Bureau, Internet site <<http://www.census.gov/pub/const/C30/newtc.html>>.

No. 916. Value of State and Local Government Construction Put in Place: 1993 to 2001

[In millions of dollars (101,535 represents \$101,535,000,000). See headnote, Table 915]

Type of construction	1993	1994	1995	1996	1997	1998	1999	2000	2001 ¹
Total construction²	101,535	105,753	114,181	123,938	136,608	139,984	155,520	164,396	177,527
Residential	3,686	3,359	4,043	4,220	4,336	4,340	4,121	3,724	4,231
Multifamily	3,441	3,233	3,976	4,144	4,238	4,242	4,103	3,703	4,166
Office	3,192	3,559	3,914	4,404	4,619	4,605	4,448	5,419	6,147
Commercial ²	1,119	1,075	1,329	1,724	2,227	1,993	2,487	2,195	2,877
Automotive	619	750	965	1,257	1,553	1,603	1,891	1,486	2,254
Parking	430	561	794	1,020	1,425	1,549	1,683	1,378	2,237
Warehouse	252	135	231	280	295	258	338	398	344
Health care	2,676	2,856	3,156	3,442	3,501	2,884	3,120	3,413	3,389
Hospital	1,431	1,633	1,960	2,108	2,498	1,980	2,187	2,352	2,438
Medical building	751	766	801	937	657	515	487	591	569
Special care	495	458	395	396	345	389	446	470	381
Educational ²	19,227	20,541	25,743	28,603	33,758	35,015	42,467	49,785	55,719
Primary/secondary ²	12,781	13,348	17,545	20,009	23,853	26,064	31,498	35,896	38,869
Elementary	4,533	4,177	5,242	6,301	8,015	9,492	10,655	13,035	14,900
Middle/junior high	2,789	2,637	3,745	3,685	3,988	3,930	6,187	6,193	7,380
High	3,170	3,638	4,833	6,130	6,687	7,627	11,433	14,173	14,904
Higher education ²	5,294	6,047	6,883	7,311	8,198	7,721	9,198	11,439	13,868
Instructional	3,311	3,977	4,277	4,746	4,459	4,307	5,439	6,725	8,272
Parking	91	133	158	169	262	331	379	544	591
Administration	107	108	128	91	189	179	279	313	192
Dormitory	346	384	324	396	388	548	829	1,147	1,500
Library	252	212	300	439	695	368	336	328	405
Student union/cafeteria	104	170	238	231	405	318	307	342	648
Sports/recreation	474	535	625	538	873	795	790	1,028	1,185
Infrastructure	537	494	788	585	654	780	726	868	876
Other educational	929	864	1,110	1,121	1,250	1,128	1,421	1,749	2,340
Library/archive	475	481	704	853	779	566	979	1,036	1,830
Public safety ²	5,226	5,371	5,928	6,718	6,668	7,575	7,750	7,052	6,910
Correctional	4,459	4,724	4,854	5,586	5,701	6,588	6,488	5,728	5,571
Detention	3,964	4,224	4,049	4,749	4,786	5,618	5,268	4,706	4,362
Police/sheriff	495	500	804	837	916	970	1,220	1,022	1,209
Other public safety	705	634	1,025	1,126	967	988	1,262	1,324	1,339
Fire/rescue	496	457	652	831	773	795	1,076	1,197	1,143
Amusement and recreation	4,943	5,612	6,142	6,056	6,857	7,666	9,024	9,137	10,076
Sports	1,398	1,227	1,637	1,477	2,311	3,173	3,356	2,758	2,924
Performance/meeting center	1,517	1,449	1,751	2,127	1,629	1,343	1,547	2,501	3,245
Convention center	1,158	1,076	1,224	1,318	938	835	1,082	1,685	2,477
Social center	883	1,089	772	911	961	947	1,379	1,387	1,520
Neighborhood center	487	670	581	612	673	622	1,043	1,067	1,186
Park/camp	916	1,604	1,696	1,430	1,874	2,020	2,544	2,325	2,109
Transportation	8,803	8,647	8,967	9,998	9,708	10,197	11,126	12,294	14,137
Air ²	5,088	3,858	3,855	4,666	4,852	5,594	5,869	6,337	6,912
Passenger terminal	1,650	996	1,209	1,656	2,086	2,196	2,183	2,771	2,397
Runway	2,503	2,065	2,176	2,593	2,260	2,563	3,052	3,024	3,867
Land ²	2,952	3,757	4,009	4,067	3,642	3,823	4,212	4,884	5,633
Passenger terminal	526	907	1,147	1,362	1,237	1,222	1,231	1,184	1,425
Mass transit	1,273	1,534	1,734	1,787	1,607	1,548	1,330	1,403	2,191
Railroad	327	498	462	402	401	564	1,016	1,391	1,010
Water ²	764	1,033	1,103	1,264	1,214	780	1,044	1,073	1,592
Dock/marina	524	579	690	898	729	421	646	816	1,132
Dry dock/marine terminal	101	212	204	308	477	352	399	223	438
Power	3,159	2,763	2,879	2,503	3,101	2,495	3,911	5,831	2,561
Electrical	2,654	1,893	2,231	2,225	2,893	2,052	3,080	5,564	2,398
Distribution	920	482	733	656	1,650	1,511	1,803	2,207	809
Highway and street ²	34,353	37,281	37,616	39,500	43,017	44,782	49,124	49,296	54,180
Pavement	26,503	29,402	29,164	30,472	32,416	33,180	36,427	36,254	39,713
Lighting	543	570	659	796	812	1,180	908	818	1,198
Retaining wall	219	325	187	176	493	711	815	1,050	606
Tunnel	393	454	346	430	539	862	924	855	1,032
Bridge	5,961	5,909	6,615	6,682	7,299	7,229	8,470	8,889	10,196
Toll/weight	170	107	152	138	219	247	277	310	109
Maintenance building	119	158	53	159	307	362	354	281	386
Rest facility/streetscape	27	94	167	464	722	838	939	840	940
Sewage and waste disposal ²	8,875	8,714	8,419	9,801	10,515	9,943	9,864	8,807	8,751
Sewage/dry waste	5,237	5,370	4,825	6,420	6,830	6,589	6,626	5,874	5,579
Plant	2,076	1,822	1,641	2,173	1,969	1,925	2,038	1,739	1,517
Line/pump station	2,612	3,225	2,960	4,001	4,639	4,422	4,314	3,980	3,927
Waste water	3,480	3,215	3,522	3,346	3,664	3,317	3,232	2,932	3,173
Plant	2,714	2,367	2,467	2,211	2,680	2,276	2,457	2,030	2,369
Line/drain	766	848	1,055	1,135	984	1,041	775	903	804
Water supply ²	5,089	4,651	4,713	5,618	6,493	6,678	6,541	5,993	7,152
Plant	1,520	1,368	1,204	1,372	1,664	1,912	2,023	1,929	2,526
Well	118	170	212	260	179	247	237	238	249
Line	2,550	2,319	2,516	2,841	3,353	3,106	2,894	2,921	3,327
Pump station	193	274	286	437	349	418	540	393	426
Reservoir	317	260	208	409	514	429	385	167	261
Tank/tower	262	225	246	298	433	565	461	344	363
Conservation and development ²	1,052	1,194	1,265	1,191	1,503	1,444	1,325	1,127	1,252
Dam/levee	149	205	329	349	631	597	517	366	284
Breakwater/jetty	320	431	358	472	360	456	375	327	563
Dredging	105	176	151	83	161	121	175	170	134

¹ Preliminary. ² Includes other types of construction, not shown separately.

Source: U.S. Census Bureau, Internet site <<http://www.census.gov/pub/const/C30/newtc.html>>.

No. 917. Construction Contracts—Value of Construction and Floor Space of Buildings by Class of Construction: 1980 to 2001

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No. 918. Construction Contracts—Value by State: 1990 to 2001

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No. 919. New Privately-Owned Housing Units Authorized by State: 2000 and 2001

[1,592.3 represents 1,592,300. Based on about 19,000 places in United States having building permit systems]

State	Housing units (1,000)			Valuation (mil. dol.)			State	Housing units (1,000)			Valuation (mil. dol.)		
	2001			2001				2001			2001		
	2000	Total	1 unit	2000	Total	1 unit		2000	Total	1 unit	2000	Total	1 unit
U.S.	1,592.3	1,636.7	1,235.6	185,744	196,243	170,006							
AL	17.4	17.7	14.0	1,718	1,823	1,616	MO	24.3	24.7	18.8	2,569	2,750	2,387
AK	2.1	2.9	1.8	333	450	320	MT	2.6	2.6	1.8	235	266	218
AZ	61.5	62.5	51.8	7,158	7,783	7,163	NE	9.1	8.2	6.6	830	835	755
AR	9.2	10.4	7.5	859	1,019	896	NV	32.3	36.1	27.0	3,312	3,742	3,254
CA	145.6	146.7	107.4	23,344	23,650	20,253	NH	6.7	6.6	5.9	937	950	905
CO	54.6	55.0	36.4	6,822	6,593	5,277	NJ	34.6	28.3	21.5	3,376	3,017	2,566
CT	9.4	9.3	7.8	1,425	1,440	1,339	NM	8.9	10.0	9.0	1,073	1,186	1,143
DE	4.6	4.8	4.4	414	504	480	NY	44.1	45.5	24.1	4,992	5,257	3,683
DC	0.8	0.9	0.1	54	60	16	NC	78.4	82.0	62.7	8,643	9,226	8,286
FL	155.3	167.0	118.7	17,462	19,465	15,597	ND	49.7	2.7	1.5	190	241	182
GA	91.8	93.1	71.5	8,722	9,462	8,266	OH	49.7	49.9	38.8	6,154	6,452	5,856
HI	4.9	4.8	4.0	823	812	731	OK	11.1	12.4	9.8	1,204	1,478	1,284
ID	10.9	11.8	9.7	1,359	1,448	1,340	OR	19.9	21.3	16.3	2,533	2,998	2,655
IL	51.9	54.8	39.4	6,528	7,141	6,114	PA	41.1	41.4	34.8	4,616	4,804	4,412
IN	37.9	39.1	32.4	4,414	4,877	4,494	RI	2.6	2.4	2.2	296	306	289
IA	12.5	13.1	8.8	1,333	1,480	1,205	SC	32.8	30.1	24.8	3,533	3,470	3,106
KS	12.5	14.5	10.1	1,397	1,612	1,387	SD	4.2	4.5	3.4	369	405	351
KY	18.5	17.7	15.0	1,767	1,818	1,689	TN	32.2	32.4	26.2	3,378	3,540	3,249
LA	14.7	15.7	13.3	1,553	1,598	1,472	TX	141.2	150.3	111.9	15,418	15,761	13,959
ME	6.2	6.5	5.9	723	776	730	UT	17.6	18.9	15.0	2,138	2,312	2,012
MD	30.4	29.1	23.7	3,232	3,228	2,929	VT	2.5	2.7	2.3	319	397	364
MA	18.0	17.0	13.0	2,741	2,689	2,327	VA	48.4	52.9	41.7	5,052	5,715	5,048
MI	52.5	50.1	40.5	6,256	6,085	5,483	WA	39.0	38.3	26.7	4,426	4,689	3,851
MN	32.8	34.2	26.9	4,204	4,576	3,975	WV	3.8	3.9	3.5	360	385	366
MS	11.3	9.9	8.1	918	894	817	WI	34.2	37.8	25.4	3,917	4,495	3,655
							WY	1.6	1.9	1.5	314	277	255

Source: U.S. Census Bureau, *Construction Reports*, Series C40, *Building Permits*, monthly; publication discontinued in 2001. See Internet site <<http://www.census.gov/htp/pub/const/www/newresconstindex.html>> and *New Residential Construction*, monthly.

No. 920. New Privately-Owned Housing Units Started—Selected Characteristics: 1970 to 2001

[In thousands (1,434 represents 1,434,000). For composition of regions, see map, inside front cover]

Year	Structures with—				Region				Units for sale		
	Total units	One unit	2 to 4 units	5 or more units	North-east	Mid-west	South	West	Total	Single-family	Multi-family
1970	1,434	813	85	536	218	294	612	311	(NA)	(NA)	(NA)
1975	1,160	892	64	204	149	294	442	275	576	531	45
1976	1,538	1,162	86	289	169	400	569	400	768	705	63
1977	1,987	1,451	122	414	202	465	783	538	994	904	90
1978	2,020	1,433	125	462	200	451	824	545	1,032	901	131
1979	1,745	1,194	122	429	178	349	748	470	915	742	173
1980	1,292	852	110	331	125	218	643	306	689	526	163
1981	1,084	705	91	288	117	165	562	240	584	426	158
1982	1,062	663	80	320	117	149	591	205	549	409	140
1983	1,703	1,068	113	522	168	218	935	382	923	713	210
1984	1,750	1,084	121	544	204	243	866	436	934	728	206
1985	1,742	1,072	93	576	252	240	782	468	867	713	154
1986	1,805	1,179	84	542	294	296	733	483	925	782	143
1987	1,621	1,146	65	409	269	298	634	420	862	732	130
1988	1,488	1,081	59	348	235	274	575	404	808	709	99
1989	1,376	1,003	55	318	179	266	536	396	735	648	87
1990	1,193	895	37	260	131	253	479	329	585	529	56
1991	1,014	840	36	138	113	233	414	254	531	490	41
1992	1,200	1,030	31	139	127	288	497	288	659	618	41
1993	1,288	1,126	29	133	126	298	562	302	760	716	44
1994	1,457	1,198	35	224	138	329	639	351	815	763	52
1995	1,354	1,076	34	244	118	290	615	331	763	712	51
1996	1,477	1,161	45	271	132	322	662	361	833	774	59
1997	1,474	1,134	44	296	137	304	670	363	843	784	59
1998	1,617	1,271	43	303	149	331	743	395	941	882	59
1999	1,641	1,302	32	307	156	347	746	392	981	912	69
2000	1,569	1,231	39	299	155	318	714	383	946	871	75
2001	1,603	1,273	37	293	149	330	732	391	990	919	71

NA Not available.

Source: U.S. Census Bureau, *Current Construction Reports*, Series C20, *Housing Starts*, monthly; publication discontinued in 2001. See Internet site <<http://www.census.gov/const/www/newresconstindex.html>> and *New Residential Construction*, monthly.

No. 921. New Privately-Owned Housing Units Started by State: 1997 to 2000

[In thousands of units (1,476 represents 1,476,000)]

State	2000					State	2000				
	1997	1998	1999	Total units	Single-family units		1997	1998	1999	Total units	Single-family units
U.S.	1,476	1,623	1,660	1,535	1,223	MO	27.9	29.7	29.6	26.0	22.2
AL	21.7	23.7	23.5	21.2	17.7	MT	2.5	2.4	2.5	2.2	1.4
AK	2.5	2.7	2.4	2.1	1.6	NE	9.8	9.8	9.7	8.4	6.2
AZ	58.2	65.2	66.5	60.0	48.2	NV	35.6	36.4	35.1	34.5	25.3
AR	13.0	12.9	13.7	12.5	9.5	NH	5.3	5.7	6.0	6.0	5.6
CA	109.1	123.0	129.9	128.2	99.9	NJ	26.8	29.7	31.9	31.2	25.4
CO	43.8	50.6	49.9	45.9	36.0	NM	10.5	9.4	9.2	8.1	7.2
CT	9.1	11.0	10.6	10.0	8.7	NY	30.5	34.0	36.3	34.9	22.7
DE	4.9	5.5	5.4	5.2	4.8	NC	74.1	81.5	85.8	74.8	59.2
DC	-	0.4	0.7	0.4	0.3	ND	3.2	3.3	3.2	2.7	1.8
FL	135.2	143.9	152.8	148.1	104.9	OH	44.6	47.0	49.8	45.3	37.7
GA	78.6	87.1	88.4	81.5	68.4	OK	13.2	16.3	16.2	15.5	12.4
HI	3.8	3.4	3.7	3.8	3.2	OR	26.6	25.6	24.5	22.2	15.8
ID	10.5	12.0	12.6	11.5	10.1	PA	38.6	40.1	41.1	37.5	32.4
IL	46.5	49.2	52.4	48.1	38.9	RI	2.6	2.7	2.9	2.7	2.5
IN	36.0	40.8	41.8	37.6	32.3	SC	31.2	33.2	35.8	33.9	27.1
IA	11.2	13.7	13.6	13.0	10.7	SD	3.4	3.8	4.1	3.5	2.8
KS	13.6	15.6	16.4	15.2	11.7	TN	37.8	37.4	37.3	33.9	29.9
KY	20.5	23.2	23.2	21.4	17.5	TX	134.0	159.8	155.2	148.4	108.3
LA	16.7	17.8	18.6	15.8	13.4	UT	19.8	21.1	20.5	19.5	16.1
ME	4.6	5.8	5.8	5.8	5.5	VT	1.8	2.2	2.4	2.4	2.1
MD	26.5	31.2	30.3	27.9	23.0	VA	46.9	50.9	53.0	50.2	42.6
MA	16.9	18.2	18.0	17.7	15.5	WA	40.7	44.0	43.7	40.9	28.4
MI	49.0	54.5	55.4	50.9	44.2	WV	5.1	5.1	5.8	5.3	4.1
MN	25.2	30.8	32.9	30.7	26.8	WI	30.7	34.3	35.4	32.0	24.7
MS	12.2	15.0	15.2	12.8	10.1	WY	1.9	2.1	2.0	1.8	1.5

- Represents or rounds to zero.

Source: National Association of Home Builders, Economics Division, Washington, DC. Data provided by the Econometric Forecasting Service.

No. 922. Characteristics of New Privately-Owned One-Family Houses Completed: 1980 to 2001

[Percent distribution, except as indicated (957 represents 957,000). Data are percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Percents exclude houses for which characteristics specified were not reported]

Characteristic	1980	1990	1995	2000	2001	Characteristic	1980	1990	1995	2000	2001
Total houses (1,000)	957	966	1,066	1,242	1,256	Bedrooms	100	100	100	100	100
Financing ¹	100	100	100	100	100	2 or less	17	15	13	11	11
Mortgage	82	82	88	92	92	3	63	57	57	54	52
FHA-insured	16	14	8	9	9	4 or more	20	29	30	35	37
VA-guaranteed	8	4	5	3	3	Bathrooms	100	100	100	100	100
Conventional	55	62	74	79	81	1 1/2 or less	27	13	11	7	6
Rural Housing Service ²	3	2	1	1	(Z)	2	48	42	41	39	38
Cash or equivalent	18	18	12	8	8	2 1/2 or more	25	45	48	54	56
Floor area	100	100	100	100	100	Heating fuel	100	100	100	100	100
Under 1,200 sq. ft	21	11	10	6	6	Gas	41	59	67	70	70
1,200 to 1,599 sq. ft	29	22	22	18	18	Electricity	50	33	28	27	27
1,600 to 1,999 sq. ft	22	22	23	23	21	Oil	3	5	3	3	3
2,000 to 2,399 sq. ft	13	17	17	18	18	Other	5	3	1	1	1
2,400 sq. ft. and over	15	29	28	35	38	Heating system	100	100	100	100	100
Average (sq. ft.)	1,740	2,080	2,095	2,266	2,324	Warm air furnace	57	65	67	71	71
Median (sq. ft.)	1,595	1,905	1,920	2,057	2,103	Electric heat pump	24	23	25	23	23
Number of stories	100	100	100	100	100	Other	19	12	9	6	5
1	60	46	49	47	46	Central air-conditioning	100	100	100	100	100
2 or more	31	49	48	52	53	With	63	76	80	85	86
Split level	8	4	3	1	1	Without	37	24	20	15	14
Foundation	100	100	100	100	100	Fireplaces	100	100	100	100	100
Full or partial basement	36	38	39	37	35	No fireplace	43	34	37	40	42
Slab	45	40	42	46	48	1 or more	56	66	63	60	58
Crawl space	19	21	19	17	17	Parking facilities	100	100	100	100	100
						Garage	69	82	84	89	89
						Carport	7	2	2	1	1
						No garage or carport	24	16	14	11	11

Z Less than 1 percent. ¹ Excludes homes not yet sold. ² Prior to 2000, Farmers Home Administration.

Source: U.S. Census Bureau and U.S. Dept. of Housing and Urban Development, *Current Construction Reports*, Series C25, *New One-Family Houses Sold*, monthly, and *Characteristics of New Housing*, annual; publication discontinued in 2001, see Internet site <<http://www.census.gov/const/www/charindex.html>>.

No. 923. New Privately Owned One-Family Houses Sold by Region and Type of Financing, 1980 to 2001, and by Sales-Price Group, 2001

[In thousands (545 represents 545,000). Based on a national probability sample of monthly interviews with builders or owners of one-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source. For composition of regions, see map inside front cover]

Year and sales-price group	Region					Financing type			
	Total sales	North-east	Midwest	South	West	Conven-tional ¹	FHA and VA	Rural Housing Service ²	Cash
1980	545	50	81	267	145	302	196	14	32
1985	688	112	82	323	170	403	208	11	64
1990	534	71	89	225	149	337	138	10	50
1995	667	55	125	300	187	490	129	9	39
1996	757	74	137	337	209	570	140	9	38
1997	804	78	140	363	223	616	137	6	46
1998	886	81	164	398	243	693	136	9	48
1999	880	76	168	395	242	689	143	6	41
2000	877	71	155	406	244	695	138	4	40
2001	908	66	164	439	239	(NA)	(NA)	(NA)	(NA)
Under \$100,000	75	1	11	56	6	(NA)	(NA)	(NA)	(NA)
\$100,000 to \$149,999	248	11	46	145	46	(NA)	(NA)	(NA)	(NA)
\$150,000 to \$199,999	221	12	45	107	57	(NA)	(NA)	(NA)	(NA)
\$200,000 to \$299,999	221	19	40	84	78	(NA)	(NA)	(NA)	(NA)
\$300,000 and over	142	22	21	47	53	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Includes all other types of financing. ² Prior to 1996, the Farmers Home Administration.

Source: U.S. Census Bureau and U.S. Dept. of Housing and Urban Development, *Current Construction Reports*, Series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold*, monthly; publications discontinued in 2001. See Internet site <<http://www.census.gov/ftp/pub/const/www/newresalesindex.html>> and *New Residential Sales*, monthly.

No. 924. Median Sales Price of New Privately Owned One-Family Houses Sold by Region: 1980 to 2001

[In dollars. For definition of median, see Guide to Tabular Presentation. For composition of regions, see map inside front cover]

Year	U.S.	North-east	Mid-west	South	West	Year	U.S.	North-east	Mid-west	South	West
1980	64,600	69,500	63,400	59,600	72,300	1995	133,900	180,000	134,000	124,500	141,400
1985	84,300	103,300	80,300	75,000	92,600	1996	140,000	186,000	138,000	126,200	153,900
1990	122,900	159,000	107,900	99,000	147,500	1997	146,000	190,000	149,900	129,600	160,000
1991	120,000	155,900	110,000	100,000	141,100	1998	152,500	200,000	157,500	135,800	163,500
1992	121,500	169,000	115,600	105,500	130,400	1999	161,000	210,500	164,000	145,900	173,700
1993	126,500	162,600	125,000	115,000	135,000	2000	169,000	227,400	169,700	148,000	196,400
1994	130,000	169,000	132,900	116,900	140,400	2001	175,200	246,400	172,600	155,400	213,600

Source: U.S. Census Bureau and U.S. Dept. of Housing and Urban Development, *Current Construction Reports*, Series C25, *Characteristics of New Housing*, annual; and *New One-Family Houses Sold*, monthly; publications discontinued in 2001. See Internet site <<http://www.census.gov/ftp/pub/const/www/newresalesindex.html>> and *New Residential Sales*, monthly.

No. 925. New Manufactured (Mobile) Homes Placed for Residential Use and Average Sales Price by Region: 1980 to 2001

[233.7 represents 233,700. A mobile home is a moveable dwelling, 8 feet or more wide and 40 feet or more long, designed to be towed on its own chassis, with transportation gear integral to the unit when it leaves the factory, and without need of permanent foundation. Excluded are travel trailers, motor homes, and modular housing. Data are based on a probability sample and subject to sampling variability; see source. For composition of regions, see map inside front cover]

Year	Units placed (1,000)					Average sales price (dol.)				
	Total	North-east	Mid-west	South	West	U.S.	North-east	Mid-west	South	West
1980	233.7	12.3	32.3	140.3	48.7	19,800	18,500	18,600	18,200	25,400
1985	283.4	20.2	38.6	187.6	36.9	21,800	22,700	21,500	20,400	28,700
1990	195.4	18.8	37.7	108.4	30.6	27,800	30,000	27,000	24,500	39,300
1992	212.0	15.0	42.2	124.4	30.4	28,400	30,900	28,800	25,400	39,000
1993	242.5	15.4	44.5	146.7	35.9	30,500	32,000	31,400	27,700	40,500
1994	290.9	16.3	53.3	177.7	43.6	32,800	32,900	34,000	30,200	41,900
1995	319.4	15.0	57.5	203.2	43.7	35,300	35,800	35,700	33,300	44,100
1996	337.7	16.2	58.8	218.2	44.4	37,200	37,300	38,000	35,500	45,000
1997	336.3	14.3	55.3	219.4	47.3	39,800	41,300	40,300	38,000	47,300
1998	373.7	14.7	58.3	250.3	50.4	41,600	42,200	42,400	40,100	48,400
1999	338.3	14.1	53.6	227.2	43.5	43,300	44,000	44,400	41,900	49,600
2000	280.6	14.6	49.9	177.4	38.8	46,300	47,500	47,700	44,200	54,000
2001	192.0	12.2	37.6	112.6	29.5	48,800	50,400	49,100	46,100	58,800

Source: U.S. Census Bureau, Internet site, <<http://www.census.gov/ftp/pub/const/www/mhsindex.html>>.

No. 926. Existing One-Family Homes Sold and Price by Region: 1970 to 2001

[1,612 represents 1,612,000. Includes existing detached single-family homes and townhomes. Based on data (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing services. For definition of median, see Guide to Tabular Presentation. For composition of regions, see map inside front cover]

Year	Houses sold (1,000)					Median sales price (dol.)				
	Total	North-east	Mid-west	South	West	Total	North-east	Mid-west	South	West
1970	1,612	251	501	568	292	23,000	25,700	20,100	22,200	24,300
1975	2,476	370	701	862	543	35,300	39,300	30,100	34,800	39,600
1980	2,973	403	806	1,092	672	62,200	60,800	51,900	58,300	89,300
1982	1,990	354	490	780	366	67,800	63,500	55,100	67,100	98,900
1983	2,697	477	692	1,004	524	70,300	72,200	56,600	69,200	94,900
1984	2,829	478	720	1,006	624	72,400	78,700	57,100	71,300	95,800
1985	3,134	561	806	1,063	704	75,500	88,900	58,900	75,200	95,400
1986	3,474	635	922	1,145	773	80,300	104,800	63,500	78,200	100,900
1987	3,436	618	892	1,163	763	85,600	133,300	66,000	80,400	113,200
1988	3,513	606	865	1,224	817	89,300	143,000	68,400	82,200	124,900
1989 ¹	3,325	490	832	1,185	818	89,500	127,700	71,800	84,400	127,100
1990	3,219	458	809	1,193	759	92,000	126,400	75,300	85,100	129,600
1991	3,186	463	812	1,173	737	97,100	129,100	79,500	88,500	135,300
1992	3,479	521	913	1,242	802	99,700	128,900	83,000	91,500	131,500
1993	3,786	550	967	1,386	882	103,100	129,100	86,000	94,300	132,500
1994	3,916	552	965	1,436	962	107,200	129,100	89,300	95,700	139,400
1995	3,888	547	945	1,433	964	110,500	126,700	94,800	97,700	141,000
1996	4,196	584	986	1,511	1,116	115,800	127,800	101,000	103,400	147,100
1997	4,382	607	1,005	1,595	1,174	121,800	131,800	107,000	109,600	155,200
1998	4,970	662	1,130	1,868	1,309	128,400	135,900	114,300	116,200	164,800
1999	5,205	656	1,148	2,015	1,386	133,300	139,000	119,600	120,300	173,900
2000	5,152	643	1,119	2,015	1,376	139,000	139,400	123,600	128,300	183,000
2001	5,296	638	1,158	2,114	1,386	147,800	146,500	130,200	137,400	194,500

¹ Beginning 1989 data not comparable to earlier years due to rebenchmarking.

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, prior to 1990, *Home Sales*, monthly, and *Home Sales Yearbook: 1990*; (copyright); thereafter, *Real Estate Outlook; Market Trends & Insights*, monthly, (copyright).

No. 927. Median Sales Price of Existing One-Family Homes by Selected Metropolitan Area: 1999 to 2001

[In thousands of dollars (133.3 represents \$133,300). Includes existing detached single-family homes and townhomes. Areas are metropolitan statistical areas defined by source as of 1992, except as noted]

Metropolitan area	1999	2000	2001	Metropolitan area	1999	2000	2001
United States, all areas	133.3	139.0	147.8	Miami-Hialeah, FL PMSA	134.6	144.6	162.7
Albuquerque, NM	130.3	130.4	133.3	Milwaukee, WI PMSA	135.3	140.7	149.4
Anaheim-Santa Ana, CA PMSA (Orange Co.) ¹	280.9	316.2	355.6	Minneapolis-St. Paul, MN-WI Nashville, TN	138.7	151.4	167.4
Atlanta, GA	123.7	131.2	138.8	NY: Bergen-Passaic, NJ PMSA	116.4	(NA)	130.0
Aurora-Elgin, IL ²	151.9	163.0	178.2	NY: Middlesex-Somerset-Hunterdon, NJ PMSA	145.7	151.6	168.0
Austin/San Marcos, TX	128.6	142.8	152.0	NY: Monmouth-Ocean, NJ	221.8	261.2	288.8
Baltimore, MD	127.4	153.0	158.2	NY: Nassau-Suffolk, NY PMSA	196.8	219.7	244.3
Birmingham, AL	127.1	125.5	133.6	NY: New York-North NJ-Long Island, NY CMSA	164.4	179.0	208.6
Boise, ID	123.9	126.0	130.0	NY: New York-North NJ-Long Island, NY CMSA	190.4	214.0	248.4
Boston, MA PMSA	290.0	314.2	356.6	Phoenix, AZ	203.2	230.2	258.2
Bradenton, FL ²	117.2	127.3	137.8	Portland, OR PMSA	212.0	242.4	263.1
Charleston, SC	131.7	137.9	150.8	Philadelphia, PA-NJ PMSA	124.8	125.2	134.8
Charlotte-Gastonia-Rock Hill, NC-SC	138.2	140.3	145.3	Portland, OR PMSA	126.4	134.4	139.4
Chicago, IL PMSA	171.2	171.8	198.5	Providence, RI PMSA	165.0	170.1	172.3
Cincinnati, OH-KY-IN PMSA	119.9	126.7	130.2	Raleigh-Durham, NC	128.8	137.8	158.0
Colorado Springs, CO	144.9	154.1	173.3	Reno, NV	165.0	158.4	168.2
Columbus, OH	125.0	129.1	135.7	Richmond-Petersburg, VA	150.6	157.3	165.1
Dallas, TX PMSA	115.7	122.5	131.1	Riverside-San Bernardino, CA PMSA ¹	128.5	129.8	133.3
Denver, CO PMSA	171.3	196.8	218.3	Sacramento, CA ¹	128.7	138.6	157.2
Eugene-Springfield, OR	129.5	132.8	134.6	Salt Lake City-Ogden, UT	131.5	145.2	174.2
Ft. Lauderdale-Hollywood-Pompano Beach, FL PMSA	136.1	148.7	168.1	San Diego, CA ¹	137.9	141.5	147.6
Greensboro/Winston Salem/High Point, NC	124.8	129.3	132.7	San Francisco, CA Area ¹	231.6	269.4	298.6
Hartford, CT PMSA	150.7	159.9	167.3	San Francisco, CA Area ¹	340.8	454.6	475.9
Honolulu, HI	290.0	295.0	299.9	Sarasota, FL ²	134.8	132.0	(NA)
Kansas City, MO-KS	120.7	127.4	135.7	Seattle, WA	(NA)	230.1	245.4
Lake County, IL	164.0	169.4	178.9	Tacoma, WA	(NA)	151.1	159.5
Las Vegas, NV	130.8	137.4	149.1	Trenton, NJ	144.2	150.9	165.3
Los Angeles-Long Beach, CA PMSA	199.0	215.9	241.4	Washington, DC-MD-VA	176.5	182.6	213.9
Madison, WI	136.5	153.6	162.5	West Palm Bch-Boca Raton-Delray Beach, FL	131.0	138.4	149.5
				Wilmington, DE-NJ-MD	120.6	127.6	136.5
				Worcester, MA	117.0	131.8	152.6

NA Not available. ¹ California data supplied by the California Association of REALTORS. ² In 1992, Bradenton and Sarasota were merged and Aurora/Elgin was incorporated into Chicago. The source still collects price data on the previous jurisdictions.

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Real Estate Outlook; Market Trends & Insights*, monthly, (copyright).

No. 928. Existing Home Sales by State: 1990 to 2001

[In thousands (3,599 represents 3,599,000). Includes condos and co-ops as well as single-family homes]

State	1990	1995	2000	2001	State	1990	1995	2000	2001
United States	3,599	4,350	5,814	6,050	Missouri	77.1	100.8	118.6	122.2
Alabama	52.0	69.0	75.9	80.6	Montana	13.5	14.8	19.7	22.6
Alaska	12.3	10.2	18.9	23.1	Nebraska	23.6	25.0	31.3	32.3
Arizona	71.8	120.3	180.3	200.6	Nevada	26.9	31.0	56.7	68.8
Arkansas	33.7	45.0	54.7	56.0	New Hampshire	13.5	26.2	43.5	42.7
California	413.1	426.7	709.2	676.6	New Jersey	85.7	102.4	135.3	132.3
Colorado	77.7	102.5	154.1	158.7	New Mexico	24.7	27.6	30.6	37.3
Connecticut	37.4	43.3	53.2	53.4	New York	135.9	149.7	194.7	198.0
Delaware	7.9	9.5	7.7	8.2	North Carolina	98.9	157.7	215.5	222.8
District of Columbia	7.2	7.0	12.7	12.7	North Dakota	8.5	8.5	10.2	10.9
Florida	281.1	379.6	505.4	519.1	Ohio	146.9	173.1	187.9	197.7
Georgia	91.2	101.0	144.5	164.1	Oklahoma	62.2	74.5	91.9	103.6
Hawaii	19.0	10.3	22.8	24.8	Oregon	56.6	58.7	64.0	72.0
Idaho	22.3	27.1	30.4	34.1	Pennsylvania	143.2	163.2	170.1	172.9
Illinois	163.3	183.4	239.0	242.3	Rhode Island	9.6	13.6	21.0	21.4
Indiana	83.6	102.6	126.8	133.7	South Carolina	54.3	70.7	97.0	108.5
Iowa	42.8	43.2	53.1	55.9	South Dakota	10.8	11.9	15.4	15.3
Kansas	36.8	50.5	64.2	68.3	Tennessee	66.2	106.6	140.2	148.4
Kentucky	47.9	61.5	71.3	78.9	Texas	311.8	367.9	518.5	539.1
Louisiana	57.1	77.3	84.2	88.4	Utah	29.4	43.5	50.9	56.9
Maine	17.0	25.5	37.9	38.7	Vermont	7.2	7.9	7.2	6.9
Maryland	67.0	63.5	101.0	113.5	Virginia	89.3	94.8	131.4	142.1
Massachusetts	47.9	69.4	94.1	93.8	Washington	85.9	110.9	189.9	192.8
Michigan	137.6	142.2	150.8	155.1	West Virginia	22.6	26.1	21.5	24.8
Minnesota	68.1	81.6	105.5	109.0	Wisconsin	62.1	78.2	94.2	101.8
Mississippi	28.2	41.3	45.1	50.4	Wyoming	8.5	11.4	13.5	16.0

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Real Estate Outlook: Market Trends & Insights*, monthly (copyright).

No. 929. Existing Apartment Condos and Co-Ops—Units Sold and Median Sales Price by Region: 1990 to 2001

[348 represents 348,000. For definition of median, see Guide to Tabular Presentation. For composition of regions, see map inside front cover]

Year	Units sold (1,000)					Median sales price (dol.)				
	Total	North-east	Mid-west	South	West	United States	North-east	Mid-west	South	West
1990	348	45	42	151	110	85,200	110,200	70,200	66,800	105,200
1992	361	57	49	153	102	86,000	103,100	79,000	69,400	107,700
1993	400	63	53	175	108	84,400	99,200	78,900	69,300	102,700
1994	439	69	54	196	119	87,200	99,500	86,200	69,500	108,800
1995	428	70	53	188	116	87,400	94,800	90,700	70,600	105,300
1996	476	78	58	206	134	90,900	97,500	95,200	73,500	109,900
1997	524	88	64	220	152	95,500	101,100	99,100	76,300	118,300
1998	607	104	75	252	176	100,600	103,400	106,400	80,000	126,400
1999	681	118	81	292	190	108,000	112,500	114,600	84,100	132,100
2000	706	116	82	311	197	111,800	111,200	121,700	87,700	136,800
2001	746	121	88	339	198	123,200	124,200	134,900	97,100	141,900

Source: NATIONAL ASSOCIATION OF REALTORS®, Washington, DC, *Real Estate Outlook: Market Trends & Insights*, monthly (copyright).

No. 930. New Apartments Completed and Rented in 3 Months by Region: 1985 to 2001

[365.2 represents 365,200. Structures with five or more units, privately financed, nonsubsidized, unfurnished rental apartments. Based on sample and subject to sampling variability; see source for details. For composition of regions, see map, inside front cover]

Year and rent	Number (1,000)					Percent rented in 3 months				
	United States	North-east	Mid-west	South	West	United States	North-east	Mid-west	South	West
1985	365.2	8.1	54.0	166.1	137.0	65	69	72	59	68
1990 ¹	214.3	12.7	44.3	77.2	80.0	67	66	75	64	65
1995	155.0	7.1	31.7	78.5	37.7	73	74	75	72	73
2000	226.2	14.8	39.5	125.9	45.9	72	85	76	67	77
2001, prel.	192.4	16.3	31.5	96.6	48.0	64	83	67	60	64
Less than \$550	15.0	2.1	4.4	7.0	1.5	73	98	63	69	84
\$550 to \$749	45.7	0.6	11.0	28.0	6.2	64	68	71	62	64
\$750 to \$949	20.6	0.2	6.8	12.1	1.5	63	98	76	54	70
\$650 to \$749	25.1	0.4	4.2	15.9	4.7	66	50	63	68	62
\$750 to \$949	54.5	2.8	9.2	30.4	12.2	60	96	57	56	64
\$750 to \$849	28.1	0.1	5.0	16.5	6.6	60	43	59	60	63
\$850 to \$949	26.4	2.7	4.2	13.9	5.6	60	97	55	52	65
\$950 or more	77.1	10.9	6.8	31.3	28.2	65	77	77	60	63
Median monthly asking rent	877	(²)	756	831	(²)	(X)	(X)	(X)	(X)	(X)

¹ X Not applicable. ² Due to revised estimation procedures, data beginning 1990 not strictly comparable with prior years. ² Over \$950.

Source: U.S. Census Bureau, *Current Housing Reports*, Series H130, *Market Absorption of Apartments*, and unpublished data. See Internet site: <<http://www.census.gov/prod/www/abs/apart.html>>.

No. 931. Total Housing Inventory for the United States: 1980 to 2001

[In thousands (87,739 represents 87,739,000), except percent. Based on the Current Population Survey and the Housing Vacancy Survey and subject to sampling error; see source for details]

Item	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001
All housing units	87,739	97,333	106,283	112,655	114,139	115,621	117,282	119,044	119,628	121,480
Vacant	8,101	9,446	12,059	12,669	13,155	13,419	13,748	14,116	13,908	14,470
Year-round vacant	5,996	7,400	9,128	9,570	9,945	10,114	10,516	10,848	10,439	10,916
For rent	1,575	2,221	2,662	2,946	3,008	2,978	3,046	3,119	3,024	3,203
For sale only	734	1,006	1,064	1,022	1,082	1,133	1,205	1,184	1,148	1,301
Rented or sold	623	664	660	810	834	867	927	956	856	882
Held off market	3,064	3,510	4,742	4,793	5,022	5,136	5,338	5,589	5,411	5,530
Occasional use	814	977	1,485	1,667	1,709	1,818	1,792	1,948	1,892	1,887
Usual residence else										
where	568	659	1,068	801	852	885	910	965	1,037	1,064
Other	1,683	1,875	2,189	2,325	2,461	2,433	2,636	2,676	2,482	2,579
Seasonal ¹	2,106	2,046	2,931	3,099	3,209	3,305	3,232	3,268	3,469	3,554
Total occupied	79,638	87,887	94,224	99,985	100,984	102,202	103,534	104,928	105,720	107,010
Owner	52,223	56,152	60,248	64,739	66,041	67,143	68,638	70,097	71,250	72,593
Renter	27,415	31,736	33,976	35,246	34,943	35,059	34,896	34,831	34,470	34,417
PERCENT DISTRIBUTION										
All housing units	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Vacant	9.2	9.7	11.3	11.2	11.5	11.6	11.7	11.9	11.6	11.9
Total occupied	90.8	90.3	88.7	88.8	88.5	88.4	88.3	88.1	88.4	88.1
Owner	59.5	57.7	56.7	57.5	57.9	58.1	58.5	58.9	59.6	59.8
Renter	31.2	32.6	32.0	31.3	30.6	30.3	29.8	29.3	28.8	28.3

¹ Beginning 1990 includes vacant seasonal mobile homes. For years shown, seasonal vacant housing units were underreported prior to 1990.

Source: U.S. Census Bureau, Internet site <<http://www.census.gov/hhes/www/housing/hvs/historic/index.html>>.

No. 932. Occupied Housing Inventory by Age of Householder: 1985 to 2001

[In thousands (87,887 represents 87,887,000). Based on the Current Population Survey/Housing Vacancy Survey; See source for details]

Age of householder	1985	1990	1994	1995	1996	1997	1998	1999	2000	2001
Total¹	87,887	94,224	98,695	99,986	100,983	102,201	103,534	104,929	105,719	107,009
Less than 25 years old	5,483	5,143	5,408	5,502	5,467	5,517	5,750	6,000	6,221	6,460
25 to 29 years old	9,543	9,508	8,628	8,662	8,669	8,755	8,666	8,661	8,482	8,358
30 to 34 years old	10,288	11,213	11,284	11,206	10,936	10,622	10,494	10,400	10,219	10,301
35 to 39 years old	9,615	10,914	11,906	11,993	12,083	12,166	12,026	11,950	11,834	11,587
40 to 44 years old	7,919	9,893	10,931	11,151	11,644	11,869	12,141	12,206	12,377	12,504
45 to 49 years old	6,517	8,038	9,611	10,080	10,523	10,532	10,744	10,973	11,164	11,529
50 to 54 years old	6,157	6,532	7,637	7,882	7,981	8,650	9,040	9,412	9,834	10,288
55 to 59 years old	6,558	6,182	6,284	6,355	6,474	6,731	7,051	7,389	7,602	7,827
60 to 64 years old	6,567	6,446	5,972	5,860	5,836	5,947	6,055	6,183	6,215	6,345
65 to 69 years old	5,976	6,407	6,113	6,088	6,099	5,926	5,852	5,845	5,816	5,749
70 to 74 years old	5,003	5,397	5,681	5,693	5,602	5,574	5,583	5,621	5,567	5,496
75 years old and over	7,517	8,546	9,236	9,514	9,669	9,912	10,131	10,289	10,388	10,565

¹ 1985 total includes ages not reported. Thereafter cases allocated by age.

Source: U.S. Census Bureau, Internet site <<http://www.census.gov/hhes/www/housing/hvs/historic/index.html>>.

No. 933. Vacancy Rates for Housing Units—Characteristics: 1990 to 2001

[In percent. Rate is relationship between vacant housing for rent or for sale and the total rental and homeowner supply, which comprises occupied units, units rented or sold and awaiting occupancy, and vacant units available for rent or sale. Based on the Current Population/ Housing Vacancy Survey; see source for details. For composition of regions, see map, inside front cover]

Characteristic	Rental units					Homeowner units				
	1990	1995 ¹	1999	2000	2001	1990	1995 ¹	1999	2000	2001
Total units	7.2	7.6	8.1	8.0	8.4	1.7	1.5	1.7	1.6	1.8
Inside MSAs	7.1	7.6	7.8	7.7	8.0	1.7	1.5	1.5	1.4	1.6
Outside MSAs	7.6	7.9	9.6	9.5	10.4	1.8	1.6	2.1	2.1	2.3
Northeast	6.1	7.2	6.3	5.6	5.3	1.6	1.5	1.4	1.2	1.2
Midwest	6.4	7.2	8.6	8.8	9.7	1.3	1.3	1.2	1.3	1.7
South	8.8	8.3	10.3	10.5	11.1	2.1	1.7	2.0	1.9	2.1
West	6.6	7.5	6.2	5.8	6.2	1.8	1.7	1.7	1.5	1.6
Units in structure:										
1 unit	4.0	5.4	7.3	7.0	7.9	1.4	1.4	1.5	1.5	1.6
2 units or more	9.0	9.0	8.7	8.7	8.9	7.1	4.8	3.6	4.7	5.0
5 units or more	9.6	9.5	8.9	9.2	9.6	8.4	5.1	3.8	5.8	5.8
Units with—										
3 rooms or less	10.3	11.4	10.5	10.3	10.5	10.2	9.2	7.9	10.4	7.9
4 rooms	8.0	8.2	8.3	8.2	8.8	3.2	2.8	2.9	2.9	3.0
5 rooms	5.7	5.8	7.2	6.9	7.5	2.0	1.8	2.0	2.0	2.2
6 rooms or more	3.0	3.8	5.2	5.2	5.6	1.1	1.1	1.1	1.1	1.2

¹ Beginning 1995, based on 1990 population census controls.

Source: U.S. Census Bureau, Internet site <<http://www.census.gov/hhes/www/housing/hvs/historic/index.html>>.

No. 934. Housing Units and Tenure, States: 2000

[115,905 represents 115,905,000. As of April 1. Based on the 2000 Census of Population and Housing; see text, Section 1, Population, and Appendix III]

State	Housing units						Housing tenure			
	Vacant		Vacancy rate		Owner occupied units		Renter occupied units			
	Total (1,000)	Occupied (1,000)	Total	For seasonal use ¹	Home-owner ²	Renter ³	Total (1,000)	Average house-hold size	Total (1,000)	Average house-hold size
United States	115,905	105,480	10,425	3,579	1.7	6.8	69,816	2.69	35,664	2.40
Alabama	1,964	1,737	227	47	2.0	11.8	1,259	2.57	478	2.30
Alaska	261	222	39	21	1.9	7.8	139	2.89	83	2.49
Arizona	2,189	1,901	288	142	2.1	9.2	1,294	2.69	608	2.53
Arkansas	1,173	1,043	130	29	2.5	9.6	724	2.54	319	2.40
California	12,215	11,503	712	237	1.4	3.7	6,546	2.93	4,957	2.79
Colorado	1,808	1,658	150	72	1.4	5.5	1,116	2.64	542	2.30
Connecticut	1,386	1,302	84	23	1.1	5.6	870	2.67	432	2.25
Delaware	343	299	44	26	1.5	8.2	216	2.61	83	2.37
District of Columbia	275	248	27	2	2.9	5.9	101	2.31	147	2.06
Florida	7,303	6,338	965	483	2.2	9.3	4,442	2.49	1,896	2.39
Georgia	3,282	3,006	275	50	1.9	8.2	2,029	2.71	977	2.51
Hawaii	461	403	57	26	1.6	8.2	228	3.07	175	2.71
Idaho	528	470	58	27	2.2	7.6	340	2.75	130	2.52
Illinois	4,886	4,592	294	30	1.5	6.2	3,089	2.76	1,503	2.37
Indiana	2,532	2,336	196	34	1.8	8.8	1,669	2.64	667	2.24
Iowa	1,233	1,149	83	16	1.7	6.8	831	2.57	318	2.15
Kansas	1,131	1,038	93	10	2.0	8.8	719	2.63	319	2.25
Kentucky	1,751	1,591	160	30	1.8	8.7	1,125	2.55	465	2.27
Louisiana	1,847	1,656	191	40	1.6	9.3	1,125	2.70	531	2.44
Maine	652	518	134	101	1.7	7.0	371	2.54	147	2.03
Maryland	2,145	1,981	164	39	1.6	6.1	1,342	2.73	639	2.35
Massachusetts	2,622	2,444	178	94	0.7	3.5	1,508	2.72	936	2.17
Michigan	4,234	3,786	449	234	1.6	6.8	2,793	2.67	993	2.24
Minnesota	2,066	1,895	171	106	0.9	4.1	1,413	2.69	482	2.03
Mississippi	1,162	1,046	116	22	1.6	9.2	757	2.67	289	2.52
Missouri	2,442	2,195	247	66	2.1	9.0	1,542	2.59	652	2.20
Montana	413	359	54	24	2.2	7.6	248	2.55	111	2.22
Nebraska	723	666	56	12	1.8	7.6	449	2.63	217	2.20
Nevada	827	751	76	17	2.6	9.7	457	2.71	294	2.47
New Hampshire	547	475	72	56	1.0	3.5	331	2.70	144	2.14
New Jersey	3,310	3,065	246	109	1.2	4.5	2,011	2.81	1,053	2.43
New Mexico	781	678	103	32	2.2	11.6	474	2.72	204	2.41
New York	7,679	7,057	622	235	1.6	4.6	3,739	2.78	3,318	2.41
North Carolina	3,524	3,132	392	135	2.0	8.8	2,172	2.54	960	2.37
North Dakota	290	257	33	8	2.7	8.2	171	2.60	86	2.02
Ohio	4,783	4,446	337	47	1.6	8.3	3,073	2.62	1,373	2.19
Oklahoma	1,514	1,342	172	32	2.5	10.6	918	2.55	424	2.36
Oregon	1,453	1,334	119	37	2.3	7.3	857	2.59	477	2.36
Pennsylvania	5,250	4,777	473	148	1.6	7.2	3,406	2.62	1,371	2.12
Rhode Island	440	408	31	13	1.0	5.0	245	2.66	163	2.19
South Carolina	1,754	1,534	220	70	1.9	12.0	1,108	2.59	426	2.37
South Dakota	323	290	33	10	1.8	8.0	198	2.64	92	2.22
Tennessee	2,439	2,233	207	37	2.0	8.8	1,561	2.57	672	2.29
Texas	8,158	7,393	764	173	1.8	8.5	4,717	2.87	2,676	2.53
Utah	769	701	67	30	2.1	6.5	502	3.28	200	2.75
Vermont	294	241	54	43	1.4	4.2	170	2.58	71	2.11
Virginia	2,904	2,699	205	55	1.5	5.2	1,838	2.62	861	2.36
Washington	2,451	2,271	180	60	1.8	5.9	1,467	2.65	804	2.32
West Virginia	845	736	108	33	2.2	9.1	554	2.47	183	2.17
Wisconsin	2,321	2,085	237	142	1.2	5.6	1,426	2.66	658	2.15
Wyoming	224	194	30	12	2.1	9.7	136	2.58	58	2.25

¹ For seasonal, recreational or occasional use. ² Proportion of the homeowner housing inventory which is vacant for sale.

³ Proportion of the rental inventory which is vacant for rent.

Source: U.S. Census Bureau, *2000 Census of Population and Housing, Profiles of General Demographic Characteristics*.

No. 937. Housing Units—Size of Units and Lot: 2001

[In thousands (119,117 represents 119,117,000), except as indicated. As of Oct. 1. Based on the American Housing Survey; see Appendix III. For composition of regions, see map inside front cover]

Item	Total housing units	Year-round units									
		Occupied							South	West	Vacant
		Seasonal	Total	Owner	Renter	North-east	Mid-west				
Total units	119,117	3,078	106,261	72,265	33,996	20,321	24,758	38,068	23,115	9,777	
Rooms:											
1 room	622	57	394	16	378	159	55	24	156	171	
2 rooms	1,406	161	993	87	906	302	153	201	338	252	
3 rooms	10,698	484	8,800	1,029	7,771	2,262	1,774	2,463	2,301	1,413	
4 rooms	23,082	1,090	19,003	7,169	11,834	3,429	4,163	7,012	4,398	2,989	
5 rooms	27,896	746	24,798	17,180	7,618	3,912	5,888	9,727	5,271	2,353	
6 rooms	24,637	299	22,768	19,205	3,563	4,382	5,354	8,705	4,328	1,570	
7 rooms	14,710	121	14,032	12,841	1,190	2,655	3,419	5,000	2,957	558	
8 rooms or more	16,066	120	15,473	14,737	736	3,220	3,952	4,935	3,365	471	
Complete bathrooms:											
No bathrooms	2,227	595	681	288	393	175	125	224	157	950	
1 bathroom	48,464	1,484	42,113	18,408	23,705	10,289	10,723	12,883	8,217	4,867	
1 and one-half bathrooms	17,756	195	16,548	13,062	3,486	4,019	5,272	4,592	2,665	1,013	
2 or more bathrooms	50,670	804	46,920	40,507	6,412	5,838	8,638	20,368	12,076	2,946	
Square footage of unit:											
Single detached and mobile homes	82,303	2,526	74,347	65,240	9,107	11,705	18,523	28,578	15,541	5,429	
Less than 500	1,198	319	725	445	280	109	113	332	170	155	
500 to 749	3,047	556	2,080	1,317	764	281	479	942	378	410	
750 to 999	6,875	485	5,542	3,162	1,380	646	1,487	2,332	1,077	848	
1,000 to 1,499	20,267	455	18,306	15,488	2,818	2,029	4,286	7,750	4,241	1,506	
1,500 to 1,999	18,574	249	17,492	15,799	1,693	2,422	4,096	6,750	4,223	833	
2,000 to 2,499	12,293	128	11,699	11,043	656	2,012	3,098	4,183	2,406	466	
2,500 to 2,999	6,289	74	5,955	5,685	271	1,141	1,560	2,165	1,091	259	
3,000 to 3,999	5,540	76	5,231	5,036	195	1,120	1,444	1,705	962	233	
4,000 or more	3,016	24	2,854	2,708	146	736	734	960	424	137	
Other	5,204	160	4,463	3,558	905	1,210	1,226	1,459	568	582	
Median square footage	1,693	909	1,737	1,798	1,298	1,951	1,779	1,663	1,692	1,336	
Lot size:											
Single detached and attached units and mobile homes	88,223	2,554	79,647	67,362	12,285	13,250	19,278	30,582	16,536	6,022	
Less than one-eighth acre	12,711	562	10,942	8,282	2,660	2,167	2,580	2,994	3,201	1,207	
One-eighth to one-quarter acre	24,365	559	22,041	18,027	4,013	2,748	5,745	7,329	6,218	1,765	
One-quarter to one-half acre	17,131	339	15,846	13,980	1,866	2,563	3,870	6,108	3,305	945	
One-half up to one acre	11,464	321	10,497	9,200	1,297	2,066	2,258	4,894	1,279	646	
1 to 5 acres	15,659	482	14,197	12,483	1,713	2,795	2,949	6,766	1,687	981	
5 to 10 acres	2,496	45	2,352	2,157	195	340	683	1,011	318	99	
10 acres or more	4,397	246	3,772	3,233	539	572	1,193	1,479	527	380	
Median acreage	0.35	0.36	0.36	0.38	0.23	0.42	0.33	0.45	0.23	0.26	

¹ Does not include selected vacant units. ² Represents units not reported or size unknown.

Source: U.S. Census Bureau, *Current Housing Reports*, Series H150/01, *American Housing Survey for the United States*.

No. 938. Occupied Housing Units—Tenure by Race of Householder: 1991 to 2001

[In thousands (93,147 represents 93,147,000), except percent. As of fall. Based on the American Housing Survey; see Appendix III]

Race of householder and tenure	1991	1993	1995	1997	1999	2001
ALL RACES ¹						
Occupied units, total	93,147	94,724	97,693	99,487	102,803	106,261
Owner occupied	59,796	61,252	63,544	65,487	68,796	72,265
Percent of occupied	64.2	64.7	65.0	65.8	66.9	68.0
Renter occupied	33,351	33,472	34,150	34,000	34,007	33,996
WHITE						
Occupied units, total	79,140	80,029	81,611	82,154	83,624	85,292
Owner occupied	53,749	54,878	56,507	57,781	60,041	62,465
Percent of occupied	67.9	68.6	69.2	70.3	71.8	73.2
Renter occupied	25,391	25,151	25,104	24,372	23,583	22,826
BLACK						
Occupied units, total	10,832	11,128	11,773	12,085	12,936	13,292
Owner occupied	4,635	4,788	5,137	5,457	6,013	6,318
Percent of occupied	42.8	43.0	43.6	45.2	46.5	47.5
Renter occupied	6,197	6,340	6,637	6,628	6,923	6,974
HISPANIC ORIGIN ²						
Occupied units, total	6,239	6,614	7,757	8,513	9,041	9,814
Owner occupied	2,423	2,788	3,245	3,646	4,087	4,731
Percent of occupied	38.8	42.2	41.8	42.8	45.2	48.2
Renter occupied	3,816	3,826	4,512	4,867	4,955	5,083

¹ Includes other races, not shown separately.

² Persons of Hispanic origin may be of any race.

Source: U.S. Census Bureau, *Current Housing Reports*, Series H150/91, H150/93, H150/95RV, H150/97, H150/99, and H150/01, *American Housing Survey for the United States*.

No. 941. Occupied Housing Units—Costs by Region: 2001

[As of fall. (72,265 represents 72,265,000). Specified owner-occupied units are limited to one-unit structures on less than 10 acres and no business on property. Specified renter-occupied units exclude one-unit structures on 10 acres or more. See headnote Table 942 for an explanation of housing costs. Based on the American Housing Survey; see Appendix III. For composition of regions, see map inside front cover]

Category	Number (1,000)					Percent distribution				
	Total units	North-east	Mid-west	South	West	Total units	North-east	Mid-west	South	West
OWNER OCCUPIED UNITS										
Total	72,265	12,987	18,049	26,715	14,514	100.0	100.0	100.0	100.0	100.0
Monthly housing costs:										
Less than \$300	15,633	1,506	3,739	8,126	2,263	21.6	11.6	20.7	30.4	15.6
\$300 to \$399	6,850	1,287	1,991	2,338	1,234	9.5	9.9	11.0	8.8	8.5
\$400 to \$499	5,146	1,138	1,416	1,779	812	7.1	8.8	7.8	6.7	5.6
\$500 to \$599	4,856	1,054	1,313	1,862	627	6.7	8.1	7.3	7.0	4.3
\$600 to \$699	4,261	777	1,263	1,600	620	5.9	6.0	7.0	6.0	4.3
\$700 to \$799	4,110	698	1,235	1,510	667	5.7	5.4	6.8	5.7	4.6
\$800 to \$999	7,813	1,352	2,110	2,858	1,493	10.8	10.4	11.7	10.7	10.3
\$1,000 to \$1,249	7,214	1,424	1,798	2,385	1,608	10.0	11.0	10.0	8.9	9.1
\$1,250 to \$1,499	5,245	1,027	1,203	1,576	1,439	7.3	7.9	6.7	5.9	11.9
\$1,500 or more	11,137	2,722	1,982	2,682	3,751	15.4	21.0	11.0	10.0	25.8
Median (dol.) ¹	686	805	645	560	938	(X)	(X)	(X)	(X)	(X)
RENTER OCCUPIED UNITS										
Total	33,996	7,334	6,709	11,353	8,600	100.0	100.0	100.0	100.0	100.0
Monthly housing costs:										
Less than \$300	3,370	865	807	1,141	558	9.9	11.8	12.0	10.1	6.5
\$300 to \$399	2,442	416	613	971	442	7.2	5.7	9.1	8.6	5.1
\$400 to \$499	3,911	696	1,076	1,458	680	11.5	9.5	16.0	12.8	7.9
\$500 to \$599	4,686	881	1,147	1,657	1,001	13.8	12.0	17.1	14.6	11.6
\$600 to \$699	4,559	1,023	878	1,471	1,188	13.4	13.9	13.1	13.0	13.8
\$700 to \$799	3,682	815	614	1,237	1,017	10.8	11.1	9.2	10.9	11.8
\$800 to \$999	4,526	1,117	651	1,343	1,416	13.3	15.2	9.7	11.8	16.5
\$1,000 to \$1,249	2,363	559	276	641	888	7.0	7.6	4.1	5.6	10.3
\$1,250 to \$1,499	1,046	247	105	202	493	3.1	3.4	1.6	1.8	5.7
\$1,500 or more	1,209	336	118	217	538	3.6	4.6	1.8	1.9	6.3
No cash rent	2,201	380	426	1,016	380	6.5	5.2	6.3	8.9	4.4
Median (dol.) ¹	633	661	556	596	724	(X)	(X)	(X)	(X)	(X)

X Not applicable. ¹ For explanation of median, see Guide to Tabular Presentation.

No. 942. Occupied Housing Units—Financial Summary by Selected Characteristics of the Householder: 2001

[In thousands of units (106,261 represents 106,261,000), except as indicated. As of fall. Housing costs include real estate taxes, property insurance, utilities, fuel, water, garbage collection, and mortgage. Based on the American Housing Survey; see Appendix III]

Characteristic	Total occupied units	Tenure		Black		Hispanic origin ¹		Elderly ²		Households below poverty level	
		Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter
Total units ³	106,261	72,265	33,996	6,318	6,974	4,731	5,083	17,513	4,299	6,713	7,889
Monthly housing costs:											
Less than \$300	19,003	15,633	3,411	1,607	1,082	897	439	7,452	966	2,817	1,908
\$300-\$399	9,292	6,850	2,442	587	554	312	320	2,987	342	821	807
\$400-\$499	9,056	5,146	3,911	488	838	302	561	1,733	529	655	1,095
\$500-\$599	9,542	4,856	4,686	551	1,017	325	784	1,296	461	523	1,057
\$600-\$699	8,820	4,261	4,559	420	971	300	809	832	403	371	756
\$700-\$799	7,793	4,110	3,682	437	736	270	693	639	310	296	530
\$800-\$999	12,339	7,813	4,526	683	843	582	719	889	380	397	503
\$1,000 or more	28,215	23,596	4,557	1,546	534	1,745	590	1,686	430	832	485
Median amount (dol.) ⁴	658	686	633	587	580	786	644	339	516	356	478
Monthly housing costs as percent of income: ⁵											
Less than 5 percent	5,217	4,906	311	329	84	225	27	1,043	39	29	34
5 to 9 percent	12,267	11,131	1,136	912	204	583	133	2,857	86	78	50
10 to 14 percent	15,166	12,316	2,850	995	456	626	387	2,972	182	156	83
15 to 19 percent	14,879	10,913	3,966	842	666	649	487	2,212	231	271	127
20 to 24 percent	12,616	8,544	4,072	719	822	593	596	1,562	314	309	272
25 to 29 percent	9,555	5,932	3,623	528	702	384	588	1,147	411	297	302
30 to 34 percent	6,840	4,181	2,659	414	576	362	443	846	293	275	426
35 to 39 percent	4,758	2,728	2,030	261	424	256	336	706	248	265	350
40 percent or more	19,871	10,057	9,815	1,188	2,242	957	1,741	3,512	1,868	3,540	4,307
Median amount (percent) ⁴	21	18	29	20	31	22	32	19	41	62	65
Median monthly costs (dol.) ⁴ :											
Electricity	59	65	44	68	47	65	44	58	38	59	43
Piped gas	55	61	39	68	46	44	33	61	38	60	41
Fuel oil	75	79	60	70	49	70	61	74	63	69	49

¹ Persons of Hispanic origin may be of any race. ² Householders 65 years old and over. ³ Includes units with mortgage payment not reported and no cash rent not shown separately. ⁴ For explanation of median, see Guide to Tabular Presentation. ⁵ Money income before taxes.

Source of Tables 941 and 942: U.S. Census Bureau, *Current Housing Reports*, Series H150/01, *American Housing Survey for the United States*.

No. 943. Mortgage Characteristics—Owner Occupied Units: 2001

[In thousands (72,265 represents 72,265,000). As of fall. Based on the American Housing Survey; see Appendix III]

Mortgage characteristic	Housing unit characteristics			Household characteristics				
	Total owner occupied units	New construction ¹	Mobile homes	Black	Hispanic ²	Elderly ³	Moved in past year	Below poverty level
ALL OWNERS								
Total⁴	72,265	4,690	6,001	6,318	4,731	17,513	5,723	6,713
Mortgages currently on property:								
None, owned free and clear	25,675	938	3,228	2,113	1,397	12,792	1,103	3,924
Regular and home equity mortgages	44,970	3,647	2,609	4,013	3,241	4,317	4,491	2,569
Regular mortgage only	41,717	3,559	2,450	3,785	3,093	3,490	4,384	2,367
Home equity mortgage only	4,752	233	159	343	201	498	172	196
With regular mortgage, home equity not reported	6,481	314	78	310	278	845	234	243
No regular mortgage, home equity not reported	1,583	103	163	190	91	376	129	213
Number of regular and home equity mortgages: ⁴								
1 mortgage	32,721	2,828	2,332	3,165	2,562	3,268	3,786	1,947
2 mortgages	8,470	575	126	487	434	497	446	245
3 mortgages or more	1,008	63	14	86	51	68	35	38
Type of home equity mortgage:								
Regular and home equity lump sum ⁴	3,090	174	43	194	121	150	107	75
With home equity line of credit	549	30	4	43	23	45	15	25
No home equity line of credit	2,513	141	38	148	98	104	90	49
Regular no home equity lump sum ⁴	38,627	3,385	2,407	3,591	2,972	3,340	4,277	2,292
With home equity line of credit	4,051	250	29	180	177	235	175	107
No home equity line of credit	31,929	2,957	2,257	3,142	2,607	2,646	3,883	1,858
Home equity lump sum no regular ⁴	1,661	60	116	149	80	348	65	122
With home equity line of credit	290	5	7	10	10	87	2	31
No home equity line of credit	1,332	55	102	141	70	245	60	88
No regular or home equity lump sum ⁴	28,886	1,072	3,435	2,385	1,558	13,675	1,274	4,225
With home equity line of credit	1,592	29	43	80	68	479	42	81
No home equity line of credit	25,712	940	3,230	2,115	1,400	12,820	1,103	3,931
OWNERS WITH ONE OR MORE REGULAR OR LUMP SUM HOME EQUITY MORTGAGES, 2001								
Total⁴	43,378	3,618	2,566	3,934	3,173	3,838	4,449	2,488
Type of primary mortgage:								
FHA	6,110	494	116	1,023	840	339	811	295
VA	2,177	208	70	271	174	145	279	81
Farmers Home Administration	318	36	14	48	23	30	25	43
Other types	31,796	2,694	2,211	2,225	1,919	2,766	3,086	1,646
Mortgage origination:								
Placed new mortgage(s)	42,799	3,599	2,491	3,852	3,089	3,780	4,379	2,431
Primary obtained when property acquired	30,230	3,336	2,121	2,979	2,462	2,181	4,228	1,821
Obtained later	12,569	263	369	872	626	1,599	151	610
Assured	492	17	74	62	70	53	60	53
Wrap-around	16	2	-	2	2	2	4	-
Combination of the above	72	-	2	18	12	2	7	5
Payment plan of primary mortgage:								
Fixed payment, self amortizing	35,689	3,058	2,169	3,127	2,643	2,776	3,745	1,746
Adjustable rate mortgage	1,964	155	88	163	142	175	148	91
Adjustable term mortgage	504	21	45	41	24	106	42	59
Graduated payment mortgage	378	48	6	46	26	15	46	30
Balloon	357	23	25	18	31	29	44	17
Combination of the above	321	27	26	29	13	42	51	21
Payment plan of secondary mortgage:								
Units with two or more mortgages ⁴	5,388	409	115	397	319	253	321	161
Fixed payment, self amortizing	4,501	339	112	343	276	189	274	128
Adjustable rate mortgage	187	8	-	12	4	5	7	5
Adjustable term mortgage	244	18	2	19	11	23	12	10
Graduated payment mortgage	19	-	-	-	3	-	-	-
Balloon	118	16	-	5	5	3	11	-
Other	-	-	-	-	-	-	-	-
Combination of the above	98	9	-	3	4	19	3	3
Reason primary refinanced:								
Units with a refinanced primary mortgage ⁵	11,133	303	267	645	581	847	140	342
To get a lower interest rate	8,677	258	154	439	447	646	130	212
To increase payment period	319	8	15	21	11	38	5	25
To reduce payment period	1,318	19	34	78	72	73	17	32
To renew or extend a loan that has fallen due	204	4	13	10	23	17	5	13
To receive cash	1,579	11	66	137	82	164	17	57
Other reason	1,504	43	62	127	82	107	6	62
Cash received in primary mortgage refinance:								
Units receiving refinance cash	1,579	11	66	137	82	164	17	57
Median amount received (dol.)	24,513	-	14,066	24,346	24,224	26,800	-	-

³ 65 years old and over. ⁴ Includes don't know and not reported. ⁵ Persons reporting more than one reason are counted once in the total.

Source: U.S. Census Bureau, *Current Housing Reports*, Series H150/01, *American Housing Survey for the United States*.

No. 944. Occupied Housing Units—Neighborhood Indicators by Selected Characteristics of the Householder: 2001

[In thousands (106,261 represents 106,261,000). As of fall. Based on the American Housing Survey; see Appendix III]

Characteristic	Total occupied units	Tenure		Black		Hispanic origin ¹		Elderly ²		Households below poverty level	
		Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter
Total units ³	106,261	72,265	33,996	6,318	6,974	4,731	5,083	17,513	4,299	6,713	7,889
Street noise or traffic present ³	29,889	17,572	12,318	1,854	2,883	1,194	1,634	4,463	1,460	1,782	3,038
Condition not bothersome	18,064	10,571	7,493	1,070	1,697	666	933	3,106	1,052	1,053	1,865
Condition bothersome	11,757	6,981	4,776	782	1,167	525	698	1,353	405	727	1,164
So bothersome they want to move	4,457	2,235	2,222	306	705	215	332	321	138	242	554
Neighborhood crime present ³	15,948	8,657	7,291	1,326	2,230	706	1,034	1,734	693	901	1,885
Condition not bothersome	6,675	3,746	2,928	510	843	283	346	859	365	359	690
Condition bothersome	9,215	4,888	4,327	811	1,373	423	685	866	328	534	1,185
So bothersome they want to move	3,934	1,538	2,397	322	863	207	451	211	115	213	744
Odors present ³	6,462	3,771	2,691	445	757	317	479	785	232	449	762
Condition not bothersome	2,314	1,385	929	130	224	72	147	315	88	139	225
Condition bothersome	4,139	2,386	1,754	316	527	245	329	471	143	310	538
So bothersome they want to move	1,635	723	912	124	358	116	177	129	58	118	308
Other problems:											
Noise	2,652	1,554	1,098	149	267	128	178	347	87	141	286
Litter or housing deterioration	1,980	1,324	656	198	225	160	106	307	58	113	199
Poor city or county services	929	605	332	119	140	71	80	118	23	72	115
People	4,075	2,410	1,665	255	456	221	263	463	145	243	458
With public transportation ³	58,642	34,434	24,208	3,830	5,546	2,936	4,100	8,328	3,071	2,821	5,649
Household uses it at least weekly	11,609	4,291	7,317	926	2,267	562	1,790	870	938	493	2,269
Household uses it less than weekly	9,366	5,485	3,880	660	905	456	632	1,062	462	414	856
Household does not use	36,699	24,167	12,532	2,203	2,250	1,878	1,636	6,295	1,614	1,855	2,418
No public transportation	44,409	35,683	8,726	2,343	1,267	1,682	870	8,707	1,133	3,639	2,043
Police protection:											
Satisfactory	95,179	64,906	30,273	5,446	5,992	4,096	4,451	15,862	3,960	5,787	6,855
Unsatisfactory	7,594	5,146	2,448	645	703	487	477	1,076	215	664	718
Secured communities: ⁴											
Community access secured with walls or fences	7,033	3,097	3,935	196	839	332	776	905	508	285	802
Community access not secured	98,497	68,615	29,882	6,049	6,095	4,365	4,284	16,458	3,760	6,336	7,034
Secured multiunits: ⁴											
Multiunit access secured	5,330	886	4,445	49	980	54	560	372	1,060	95	1,066
Multiunit access not secured	19,035	2,365	16,670	216	3,615	219	2,818	685	1,973	195	3,883
Senior citizen communities:											
Households with persons 55 years old and over	39,049	31,419	7,630	2,638	1,393	1,639	907	17,513	4,299	4,465	2,412
Community age restricted ⁵	2,195	1,116	1,079	21	159	37	80	884	911	169	431
Community quality:											
Some or all activities present	40,538	26,372	14,166	2,260	3,070	1,554	1,852	6,700	2,182	2,164	3,148
Community center or clubhouse	24,039	14,580	9,459	1,134	2,017	825	1,118	4,242	1,628	1,232	2,005
Golf in the community	11,459	8,820	2,639	440	314	324	273	2,237	325	580	485
Trails in the community	18,496	13,169	5,326	942	843	759	623	2,876	628	923	969
Shuttle bus	10,313	6,330	3,983	530	726	417	537	2,014	978	593	1,064
Daycare	17,307	11,545	5,762	1,418	1,634	761	899	2,435	633	916	1,424
Private or restricted beach, park or shoreline	6,700	4,964	1,736	256	319	229	205	1,154	210	376	353
Trash, litter or junk on street: ⁶											
None	94,194	65,592	28,602	5,323	5,419	4,073	4,108	16,121	3,861	5,876	6,322
Minor accumulation	6,931	3,422	3,509	557	905	342	680	653	240	407	981
Major accumulation	2,815	1,470	1,345	244	488	181	227	364	98	250	444

¹ Persons of Hispanic origin may be of any race. ² Householders 65 years old and over. ³ Includes those not reported. ⁴ Public access is restricted (walls, gates, private security). Includes high rise apartments, retirement communities, resorts, etc. ⁵ At least one family member must be aged 55 years old or older. ⁶ Or on any properties within 300 feet.

Source: U.S. Census Bureau, *Current Housing Reports*, Series H150/01, *American Housing Survey for the United States*.

No. 945. Heating Equipment and Fuels for Occupied Units: 1993 to 2001

[As of fall. (94,724 represents 94,724,000). Based on American Housing Survey. See Appendix III]

Type of equipment or fuel	Number (1,000)					Percent distribution	
	1993	1995	1997	1999	2001	1993	2001
Occupied units, total.	94,724	97,692	99,487	102,803	106,261	100.0	100.0
Heating equipment:							
Warm air furnace.	51,248	53,165	58,603	62,018	65,262	54.1	61.4
Heat pumps.	8,422	9,406	11,101	10,992	11,080	8.9	10.4
Steam or hot water.	13,657	13,669	12,929	13,153	13,441	14.4	12.6
Floor, wall, or pipeless furnace.	4,746	4,963	5,588	5,310	5,343	5.0	5.0
Built-in electric units.	6,722	7,035	4,531	4,939	5,063	7.1	4.8
Room heaters with flue.	1,766	1,620	1,584	1,624	1,542	1.9	1.5
Room heaters without flue.	1,597	1,642	1,754	1,790	1,558	1.7	1.5
Fireplaces, stoves, portable heaters or other.	5,654	5,150	2,780	2,434	2,571	6.0	2.4
None.	911	1,044	617	544	401	1.0	0.4
House main heating fuel:							
Utility gas.	47,669	49,203	51,052	52,366	54,689	50.3	51.5
Fuel oil, kerosene, etc.	12,189	12,029	10,855	10,750	10,473	12.9	9.9
Electricity.	25,107	26,771	29,202	31,142	32,590	26.5	30.7
Bottled, tank, or LP gas.	3,922	4,251	5,398	5,905	6,079	4.1	5.7
Coal or coke.	297	210	183	168	128	0.3	0.1
Wood and other fuel.	4,630	4,186	2,177	1,927	1,902	4.9	1.8
None.	910	1,043	620	545	401	1.0	0.4
Cooking fuel:							
Electricity.	55,887	57,621	58,818	61,315	63,685	59.0	59.9
Gas.	37,996	39,218	40,083	41,051	42,161	40.1	39.7
Other fuel.	479	566	113	69	66	0.5	0.1
None.	362	287	473	368	349	0.4	0.3

¹ Includes utility, bottled, tank, and LP gas.

Source: U.S. Census Bureau, *Current Housing Reports*, Series H150/93, H150/95RV, H150/97, H150/99, and H150/01, *American Housing Survey for the United States*.

No. 946. Occupied Housing Units—Housing Indicators by Selected Characteristics of the Householder: 2001

[In thousands of units (106,261 represents 106,261,000). As of fall. Based on the American Housing Survey; see Appendix III]

Characteristic	Total occupied units	Tenure		Black		Hispanic origin ¹		Elderly ²		Households below poverty level	
		Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter	Owner	Renter
Total units.	106,261	72,265	33,996	6,318	6,974	4,731	5,083	17,513	4,299	6,713	7,889
Amenities:											
Porch, deck, balcony or patio.	88,834	65,479	23,354	5,389	4,573	4,132	3,161	15,688	2,549	5,870	4,934
Usable fireplace.	35,097	31,079	4,018	1,859	548	1,460	447	6,292	311	1,810	456
Separate dining room.	50,125	40,568	9,553	3,698	2,157	2,332	1,225	9,153	913	3,171	1,852
With 2 or more living rooms or recreation rooms.	30,451	28,300	2,151	2,117	292	1,333	146	5,907	234	1,578	293
Garage or carport with home.	64,547	53,778	10,769	3,543	1,404	3,424	1,617	13,307	1,191	4,050	1,805
Cars and trucks available:											
No cars, trucks, or vans.	9,342	2,699	6,643	529	2,254	188	1,123	1,741	1,957	902	3,075
Other households without cars.	11,828	8,273	3,555	478	374	697	633	1,291	198	796	666
1 car with or without trucks or vans.	51,749	34,657	17,092	2,996	3,329	2,106	2,375	10,408	1,865	3,684	3,374
2 cars.	25,866	20,234	5,632	1,743	896	1,324	784	3,385	250	1,057	680
3 or more cars.	7,476	6,401	1,075	572	120	416	168	690	29	275	93
With cars, no trucks or vans.	50,031	31,832	18,199	3,276	3,666	1,789	2,368	9,899	1,880	3,167	3,434
1 truck or van with or without cars.	33,775	26,617	7,158	1,942	852	1,899	1,236	4,614	357	1,919	1,061
2 or more trucks or vans.	13,113	11,116	1,997	572	201	854	356	1,259	106	726	318
Selected deficiencies:											
Signs of rats in last 3 months.	1,021	482	539	47	182	87	154	82	57	78	185
Holes in floors.	1,148	550	598	55	192	76	141	107	36	125	228
Open cracks or holes.	5,697	2,896	2,801	372	783	319	495	472	163	434	836
Broken plaster or peeling paint (interior of unit).	2,707	1,274	1,433	199	442	127	261	203	101	199	413
No electrical wiring.	72	65	7	15	-	-	-	9	-	25	5
Exposed wiring.	535	300	235	22	48	21	39	86	19	47	93
Rooms without electric outlet.	1,308	706	602	76	114	56	86	167	53	115	145
Water leakage ³	9,985	5,649	4,336	641	1,066	372	654	794	300	506	1,037

- Represents zero. ¹ Persons of Hispanic origin may be of any race. ² Householders 65 years old and over. ³ During the 12 months prior to the survey.

Source: U.S. Census Bureau, *Current Housing Reports*, Series H150/01, *American Housing Survey for the United States*.

No. 947. Appliances and Office Equipment Used by Households by Region and Household Income: 2001

[In millions (107.0 represents 107,000,000). Preliminary. Represents appliances possessed and generally used by the household. Based on Residential Energy Consumption Survey; see source. For composition of regions, see inside front cover]

Type of appliance	Households using appliance	Region				Household income in 2001			
		North-east	Midwest	South	West	Under \$14,999	\$15,000-\$29,999	\$30,000-\$49,999	\$50,000 and over
Total households	107.0	20.3	24.5	38.9	23.3	18.7	22.9	27.1	38.3
Oven ¹	101.7	19.6	23.8	36.2	22.1	18.0	22.0	26.1	35.6
Electric	63.0	9.9	14.0	26.0	13.1	10.1	12.9	16.2	23.8
Natural gas	34.3	8.6	8.7	8.7	8.2	7.1	7.8	8.6	10.9
Self cleaning oven	48.2	10.2	12.3	16.1	9.6	4.1	8.5	12.4	23.2
Range ¹	105.7	20.1	24.1	38.6	22.9	18.5	22.5	26.9	37.7
Electric	64.2	9.9	13.9	27.2	13.2	10.4	13.2	16.5	24.1
Natural gas	36.7	9.0	9.1	9.8	8.8	7.3	8.0	9.0	12.5
Refrigerator	106.8	20.2	24.5	38.9	23.2	18.6	22.8	27.1	38.3
Frost free	96.9	18.3	21.7	36.3	20.7	15.5	19.9	25.0	36.5
Freezer	34.2	4.9	9.6	13.6	6.2	4.4	6.9	9.2	13.7
1	30.8	4.5	8.6	12.2	5.6	3.9	6.1	8.4	12.4
2 or more	3.4	0.4	1.0	1.4	0.6	0.4	0.9	0.8	1.3
Most used defrost method:									
Frost free	12.2	1.8	2.8	5.7	1.8	1.3	2.0	3.2	5.7
Manual	22.0	3.1	6.7	7.9	4.4	3.0	4.9	6.0	8.1
Dishwasher	56.7	9.2	12.1	22.1	13.2	3.3	9.1	14.9	29.3
Electric coffee maker	65.5	12.4	16.1	23.0	14.0	8.7	12.8	16.7	27.3
Electric toaster oven	36.1	8.5	5.5	14.7	7.4	5.1	7.7	8.9	14.3
Microwave oven	92.1	15.2	22.3	34.7	19.9	14.0	19.4	23.8	35.0
Air conditioning	80.8	14.2	20.2	36.9	9.6	11.9	16.7	21.0	31.2
Central system	57.3	5.7	14.3	30.3	7.0	6.1	10.7	15.2	25.3
Room	23.5	8.5	5.8	6.6	2.6	5.8	6.0	5.8	5.9
Color TV	105.8	20.0	24.4	38.4	22.9	18.1	22.7	26.9	38.0
One	29.3	5.8	6.4	9.8	7.3	8.5	8.6	6.5	5.7
Two	38.4	8.1	8.2	13.7	8.4	6.4	8.5	10.7	12.8
Three	23.3	3.8	5.9	9.2	4.3	2.5	3.8	6.1	10.9
Four	10.2	1.6	2.7	3.9	2.0	0.6	1.4	2.6	5.7
Five or more	4.5	0.7	1.1	1.8	0.9	(S)	0.4	1.1	2.9
Large screen TV ²	36.6	7.1	8.1	13.3	8.0	4.7	6.7	9.8	15.3
One	27.3	5.3	5.9	9.7	6.5	3.7	5.1	7.0	11.4
Two	7.9	1.4	1.8	3.3	1.4	0.9	1.5	2.2	3.2
Three or more	1.4	(S)	(S)	(S)	(S)	(S)	(S)	0.5	0.7
Cable/Satellite dish-antenna	82.2	16.3	19.1	30.2	16.6	12.1	16.2	20.9	33.0
VCR and DVD players	96.1	18.0	22.5	34.6	21.0	13.9	19.8	25.3	37.0
Stereo equipment	80.3	15.1	18.2	28.5	18.5	10.2	15.4	20.9	33.8
Clothes washer	84.1	14.7	19.8	32.7	16.9	10.7	16.4	22.1	34.9
Clothes dryer ¹	78.8	13.3	19.2	30.3	16.0	8.4	15.0	21.3	34.1
Electric	61.1	9.2	13.4	26.6	11.9	6.9	12.2	16.8	25.1
Natural gas	16.9	4.0	5.4	3.4	4.1	1.4	2.6	4.2	8.7
Water heater	107.0	20.3	24.5	38.9	23.3	18.7	22.9	27.1	38.3
Electric	40.9	4.7	6.4	22.5	7.4	8.3	9.6	10.7	12.4
Natural gas	57.9	10.8	16.9	15.4	14.9	9.3	11.6	14.1	22.9
Personal computers	60.0	10.9	14.1	20.7	14.3	3.7	8.7	16.0	31.6
Access to Internet	50.7	9.7	11.8	16.9	12.2	2.8	6.6	13.1	28.3
Cell/mobile telephone	56.8	10.3	12.8	21.4	12.3	4.4	8.6	14.7	29.1

S Figure does not meet publication standards. ¹ Includes other types, not shown separately. ² Determined by respondent.

Source: U.S. Energy Information Administration, "2001 Housing Characteristic Tables." See Internet site <<http://www.eia.doe.gov/emeu/recs/contents.html>> (accessed 30 July 2001).

No. 948. Net Stock of Residential Fixed Assets: 1990 to 2000

[In billions of dollars (6,287.4 represents \$6,287,400,000,000). End of year estimates]

Item	1990	1993	1994	1995	1996	1997	1998	1999	2000
Total residential fixed assets	6,287.4	7,161.9	7,654.5	7,973.1	8,391.5	8,850.1	9,405.1	10,006.6	10,708.1
By type of owner and legal form of organization:									
Private	6,137.7	6,991.0	7,472.2	7,784.2	8,195.3	8,646.3	9,191.8	9,780.5	10,471.2
Corporate	68.0	73.7	76.0	78.2	81.6	86.5	91.8	97.2	101.6
Noncorporate	6,069.6	6,917.2	7,396.3	7,706.0	8,113.8	8,559.8	9,100.1	9,683.3	10,369.6
Government	149.7	170.9	182.3	188.8	196.2	203.8	213.3	226.1	237.0
Federal	52.5	57.3	60.7	62.4	64.5	66.7	69.5	73.2	76.1
State and local	97.2	113.7	121.6	126.5	131.7	137.2	143.8	152.9	160.9
By tenure group: ¹									
Owner occupied	4,486.9	5,214.1	5,628.7	5,891.6	6,228.8	6,584.7	7,025.1	7,502.8	8,084.2
Farm	150.3	161.1	169.6	174.0	178.9	188.7	198.3	209.0	222.6
Nonfarm	4,336.6	5,053.0	5,459.1	5,717.7	6,049.9	6,396.0	6,826.9	7,293.8	7,861.5
Tenant occupied	1,774.5	1,920.3	1,997.3	2,052.5	2,133.1	2,234.9	2,348.1	2,470.3	2,588.3
Farm	10.9	11.7	12.5	12.8	13.2	13.6	14.0	14.6	15.2
Nonfarm	1,763.6	1,908.6	1,984.8	2,039.7	2,119.9	2,221.4	2,334.1	2,455.8	2,573.1

¹ Excludes stocks of other nonfarm residential assets, which consists primarily of dormitories, and of fraternity and sorority houses.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, September 2001 issue, and <<http://www.bea.doc.gov/bea/dn/faweb/>> (accessed 30 May 2002).

No. 949. Expenditures by Residential Property Owners for Improvements and Maintenance and Repairs by Type of Property and Activity: 1990 to 2001

[In millions of dollars (115,432 represents \$115,432,000,000)]

Year and type of expenditure				Additions and alterations					Major replacements	Maintenance and repairs
				To structures			To property outside of structures			
				Total	Additions	Alterations				
1990	115,432	63,441	51,991	39,929	9,160	23,510	7,261	19,700	55,800	
1991	107,692	62,608	45,084	33,662	8,609	17,486	7,567	18,526	55,505	
1992	115,569	72,930	42,639	44,041	7,401	24,870	11,771	20,705	50,821	
1993	121,899	77,626	44,273	53,512	16,381	27,657	9,472	22,604	45,785	
1994	130,625	85,903	44,722	56,835	12,906	30,395	13,534	26,606	47,185	
1995	124,971	79,003	45,968	51,011	11,197	29,288	10,526	26,928	47,032	
1996	131,362	84,462	46,900	64,513	17,388	32,889	14,235	26,738	40,108	
1997	133,577	90,677	42,900	65,222	14,575	37,126	13,523	27,210	41,145	
1998	133,693	96,159	37,534	62,971	11,897	38,787	12,287	28,741	41,980	
1999	142,900	95,778	47,122	72,056	16,164	42,058	13,833	28,493	42,352	
2000, total¹	152,975	100,161	52,814	77,979	18,189	40,384	19,407	32,760	42,236	
Heating and air conditioning ²	10,866	7,075	3,791	2,736	(NA)	2,736	(NA)	5,645	2,486	
Plumbing	11,518	5,561	5,957	3,359	(NA)	2,186	1,172	3,035	5,123	
Roofing	15,834	8,670	7,164	(NA)	(NA)	(NA)	(NA)	11,243	4,591	
Painting	13,830	7,592	6,238	(NA)	(NA)	(NA)	(NA)	(NA)	13,830	
2001, total¹	157,765	105,997	51,768	77,559	14,133	47,208	16,218	32,714	47,491	
Heating and air conditioning ²	12,210	7,554	4,655	2,408	(NA)	2,408	(NA)	7,181	2,621	
Plumbing	12,823	5,218	7,604	4,597	(NA)	3,827	769	3,465	4,761	
Roofing	11,024	6,513	4,510	(NA)	(NA)	(NA)	(NA)	7,090	3,933	
Painting	16,679	7,828	8,851	(NA)	(NA)	(NA)	(NA)	(NA)	16,679	

NA Not available. ¹ Includes types of expenditures not separately specified. ² Central air-conditioning.
 Source: U.S. Census Bureau, *Current Construction Reports*, Series C50, *Expenditures for Residential Improvement*, quarterly.
 See Internet site: <<http://www.census.gov/const/www/c50index.html>>.

No. 950. Home Remodeling—Work Done and Amount Spent: 2001

[In thousands, except percent. (3,411 represents 3,411,000) as of fall. For work done in the prior 12 months. Based on household survey and subject to sampling error; see source]

Remodeling project	Households with work done ¹		Work done by—		Amount spent		
	Number	Percent of households	Household member	Outside contractor	Under \$1,000	\$1,000 to \$2,999	Over \$3,000
Conversion of garage/attic/basement into living space	3,411	1.7	2,066	853	915	767	1,054
Remodel bathroom	14,131	7.0	8,962	3,624	6,930	2,953	1,764
Remodel kitchen	9,358	4.6	5,521	2,431	3,086	1,852	2,136
Remodel bedroom	6,893	3.4	5,183	811	4,209	843	343
Remodel/convert room to home office	2,352	1.2	1,968	171	1,563	268	80
Remodel other rooms	6,910	3.4	4,822	1,029	3,396	1,023	1,002
Add bathroom	1,434	0.7	628	465	461	246	427
Add/extend garage	979	0.5	485	277	119	146	481
Add other rooms— exterior addition	1,717	0.9	695	814	100	350	905
Add deck/porch/patio	4,912	2.4	2,576	1,528	1,764	1,297	961
Roofing	10,039	5.0	2,339	5,737	1,950	2,763	3,286
Siding - vinyl/metal	3,205	1.6	967	1,482	409	884	1,036
Aluminum windows	1,532	0.8	603	614	737	290	252
Clad-wood/Wood windows	1,069	0.5	402	410	308	213	282
Vinyl windows	4,177	2.1	1,203	2,269	959	1,115	1,347
Ceramic tile floors	6,333	3.1	3,173	2,281	3,266	1,215	418
Hardwood floors	3,555	1.8	1,542	1,360	1,185	854	570
Laminate flooring	2,591	1.3	1,418	893	1,149	642	176
Vinyl flooring	4,351	2.2	2,209	1,266	2,556	496	151
Carpeting	11,157	5.5	2,503	6,837	4,537	3,384	947
Kitchen cabinets	5,287	2.6	2,196	1,702	1,634	843	1,016
Kitchen counter tops	4,697	2.3	1,663	1,905	1,855	846	549
Skylights	993	0.5	295	498	663	97	22
Exterior doors	5,695	2.8	2,771	2,046	3,268	789	184
Interior doors	3,766	1.9	2,275	808	2,155	330	156
Garage doors	3,493	1.7	748	1,869	1,499	796	64
Concrete or masonry work	3,991	2.0	1,703	1,776	1,557	883	679
Swimming pool—in ground	734	0.4	132	414	97	33	378
Wall paneling	1,601	0.8	917	301	802	175	62
Ceramic wall tile	1,966	1.0	884	618	1,103	197	84

¹ Includes no response and amount unknown.
 Source: Mediamark Research Inc., *New York, NY, Top-Line Reports*, (copyright). Internet site <<http://www.mediamark.com/mri/docs/TopLineReports.html>>.

No. 951. Commercial Office Space—Overview for Selected Market Areas: 2001

[As of mid-October. (3,928,797 represents 3,928,797,000). For the 76 market areas with the highest vacancy rates in 2001. Data based on responses from individuals knowledgeable in the local markets]

Market area	Inventory (1,000 sq. ft.)	Vacant space (1,000 sq. ft.)	Vacancy rate (percent)	Construction (1,000 sq. ft.)	Net ¹ absorption (1,000 sq. ft.)
United States, all market areas² . . .	3,928,797	479,982	12.2	132,513	105,342
Akron	5,724	781	13.6	30	305
Albuquerque	11,744	1,306	11.1	81	111
Atlanta	133,331	21,553	16.2	5,311	3,719
Bakersfield	6,913	790	11.4	100	186
Baltimore	47,329	6,367	13.5	2,762	740
Boston	177,533	24,877	14.0	9,489	7,770
Bridgeport/Stratford	6,360	688	10.8	289	28
Charleston	4,502	599	13.3	205	120
Charlotte	35,507	4,997	14.1	1,163	4,075
Chicago	172,300	35,900	20.8	6,281	2,300
Cincinnati	26,099	3,451	13.2	909	833
Cleveland	36,902	4,816	13.1	312	309
Columbus	37,360	4,427	11.8	508	1,414
Corpus Christi	2,789	466	16.7	-	77
Dallas	172,630	35,545	20.6	6,351	382
Denver	79,451	12,155	15.3	-	1,593
Des Moines	10,281	1,269	12.3	-	90
Detroit	88,057	11,508	13.1	1,690	2,334
El Paso	7,915	1,775	22.4	-	-
Fort Lauderdale	22,043	3,611	16.4	1,493	1,426
Fort Wayne	5,797	664	11.5	-	92
Fort Worth	19,681	2,432	12.4	617	908
Grand Rapids	11,366	1,396	12.3	176	335
Greensboro, High-Point, Winston-Salem	15,084	2,126	14.1	1,006	156
Greenville	7,197	1,211	16.8	105	842
Hartford	22,059	3,541	16.1	191	684
Honolulu	11,725	1,513	12.9	-	84
Indianapolis	25,819	4,347	16.8	168	919
Jacksonville	16,281	2,914	17.9	201	46
Kansas City	39,649	5,538	14.0	938	184
Knoxville	7,249	912	12.6	185	283
Las Vegas	19,629	2,247	11.4	1,428	1,085
Los Angeles-Central	27,428	5,011	18.3	-	1,153
Los Angeles-Inland Empire	7,223	887	12.3	212	281
Los Angeles-Orange County	52,663	7,354	14.0	2,432	1,971
Los Angeles-San Fernando Valley	33,239	3,989	12.0	600	-
Los Angeles-San Gabriel	8,725	1,292	14.8	282	3
Los Angeles-South Bay	31,444	4,425	14.1	589	-
Louisville	16,212	2,406	14.8	640	123
Marin County	6,115	1,164	19.0	-	-
Memphis	18,014	3,534	19.6	282	1,570
Milwaukee	27,200	3,300	12.1	400	245
Minneapolis/St. Paul	59,496	7,728	13.0	1,083	3,659
Mobile	13,445	2,797	20.8	215	100
Nashua	2,226	350	15.7	-	-
Nashville	24,139	3,191	13.2	527	2,031
New Haven	13,900	1,785	12.8	-	110
New Jersey Northern	205,165	25,666	12.5	7,167	2,941
New Orleans	14,929	2,277	15.2	-	51
NYC-Long Island	66,516	7,404	11.1	-	198
NYC-Westchester	33,108	4,610	13.9	-	-
Oklahoma City	15,150	2,406	15.9	95	494
Omaha	9,306	1,059	11.4	835	227
Orlando	22,396	2,692	12.0	1,327	833
Phoenix	29,281	4,228	14.4	2,488	713
Pittsburgh	42,760	6,214	14.5	1,442	2,062
Raleigh	30,976	3,658	11.8	1,011	1,758
Richmond	25,459	3,124	12.3	-	1,731
Roanoke	3,026	355	11.7	-	56
Rochester	15,180	1,964	12.9	200	211
Salt Lake City	19,440	3,431	17.6	649	177
San Antonio	18,249	2,364	13.0	222	133
San Diego	49,448	5,407	10.9	1,093	2
San Jose	17,531	2,286	13.0	4,756	174
San Mateo	26,380	4,192	15.9	798	1,766
Shreveport	3,121	343	11.0	-	-
Sioux Falls	3,626	700	19.3	-	178
South Bend	3,039	477	15.7	-	-
Stamford/Norwalk	25,749	3,438	13.4	216	-
St. Louis	38,524	6,827	17.7	1,079	965
Tampa	38,137	5,764	15.1	749	370
Toledo	9,290	1,301	14.0	8	339
Tulsa	15,479	1,836	11.9	-	151
West Palm Beach	24,052	3,607	15.0	-	-
Wilmington	12,387	1,739	14.0	-	611
Youngstown	2,700	315	11.7	20	10

- Represents zero. ¹ Net change in occupied stock. ² Includes other market areas, not shown separately.

Source: Society of Industrial and Office REALTORS, Washington DC, 2001 Comparative Statistics of Industrial and Office Real Estate Markets (copyright).

No. 952. Commercial Buildings—Summary: 1999

[4,675 represents 4,675,000. Excludes buildings 1,000 square feet or smaller. Building type based on predominant activity in which the occupants were engaged. Based on a sample survey of building representatives conducted in 1999, therefore subject to sampling variability]

Characteristic	All buildings (1,000)	Floor-space (mil. sq. ft.)	Mean sq. ft. per building (1,000)	Characteristic	All buildings (1,000)	Floor-space (mil. sq. ft.)	Mean sq. ft. per building (1,000)
All buildings	4,657	67,338	14.5	1980 to 1989	846	13,931	16.5
Building floorspace (sq. ft.):				1990 to 1999	690	11,094	16.1
1,001 to 5,000	2,348	6,774	2.9	Workers (main shift):			
5,001 to 10,000	1,110	8,238	7.4	Fewer than 5	2,376	14,321	6.0
10,001 to 25,000	708	11,153	15.7	5 to 9	807	6,325	7.8
25,001 to 50,000	257	9,311	36.2	10 to 19	683	8,028	11.8
50,001 to 100,000	145	10,112	69.9	20 to 49	487	10,814	22.2
100,001 to 200,000	59	8,271	139.4	50 to 99	174	8,898	51.1
200,001 to 500,000	23	6,851	296.3	100 to 249	90	8,356	92.4
Over 500,000	7	6,628	929.0	250 or more	39	10,595	270.0
Principal activity within building:				Energy sources:			
Education	327	8,651	26.4	Electricity	4,395	65,716	15.0
Food sales	174	994	5.7	Natural gas	2,669	45,507	17.0
Food service	349	1,851	5.3	Fuel oil	434	13,285	30.6
Health care	127	2,918	22.9	District heat	117	5,891	50.2
Inpatient	11	1,865	168.2	District chilled water	50	2,750	55.4
Outpatient	116	1,053	9.1	Propane	451	6,290	14.0
Lodging	153	4,521	29.5	Wood	79	570	7.2
Mercantile	667	10,398	15.6	Heating equipment:			
Retail (other than mall).	534	4,766	8.9	Heat pumps	492	8,923	18.1
Enclosed mall and strip center	133	5,631	42.2	Furnaces	1,460	14,449	9.9
Office	739	12,044	16.3	Individual space heaters	894	17,349	19.4
Public assembly	305	4,393	14.4	District heat	96	5,534	57.6
Public order and safety	72	1,168	16.2	Boilers	581	19,522	33.6
Religious worship	307	3,405	11.1	Packaged heating units	1,347	25,743	19.1
Service	478	3,388	7.1	Other	185	4,073	22.1
Warehouse and storage	603	10,477	17.4	Cooling equipment:			
Vacant	102	1,222	12.0	Residential-type central A/C	676	8,329	12.3
Year constructed:				Heat pumps	485	9,147	18.8
1919 or before	419	4,034	9.6	Individual A/C	799	14,276	17.9
1920 to 1945	499	6,445	12.9	District chilled water	50	2,750	55.4
1946 to 1959	763	9,127	12.0	Central chillers	130	12,909	99.7
1960 to 1969	665	10,866	16.3	Packaged A/C units	1,953	36,527	18.7
1970 to 1979	774	11,840	15.3	Swamp coolers	136	2,219	16.3
				Other	49	1,312	26.7

¹ More than one type may apply.

Source: U.S. Energy Information Administration, Internet site <<http://www.eia.doe.gov/emeu/ceecs/pdf/set1.pdf>> (accessed 1 May 02)

No. 953. Office Building Markets—Summary: 2001

[As of end-of-year. In thousands of square feet, except as indicated. (399,465 represents 399,465,000). For top 27 areas in market size. Excludes government owned, and occupied, owner-occupied, and medical office buildings. Minus sign (-) indicates loss. CBD means central business district]

Market area	Total market size	Total market vacancy rate (percent)	Market absorption	CBD market size	Suburban market size	CBD market construction	Suburban market construction	CBD rental rate ¹ (dol.)
Manhattan	399,465	11.80	-26,401	399,465	(X)	9,363	(NA)	60.62
Washington, DC	294,978	11.30	-1,400	101,371	193,608	4,662	4,862	34.00
Los Angeles	287,690	11.78	14,754	39,111	248,579	-	3,436	24.65
Chicago	272,792	16.25	-4,179	136,945	135,847	6,040	2,501	31.80
Houston	170,302	11.97	1,401	39,117	131,185	3,303	1,401	27.53
Dallas/Ft. Worth	165,722	20.94	-4,658	28,319	137,403	-	1,864	23.43
Atlanta	139,465	18.10	-655	46,196	93,269	425	2,133	25.00
Boston	131,229	15.40	-12,569	52,677	78,551	2,917	2,936	46.00
Toronto	114,767	10.20	-2,665	48,439	66,327	460	1,500	33.00
Northern New Jersey	105,004	12.42	1,065	15,594	89,410	244	9,169	29.00
Philadelphia	85,404	11.85	2,461	38,643	46,761	350	1,758	26.00
Denver	84,178	19.14	-4,259	23,455	60,724	280	1,960	24.00
Tampa/St. Petersburg	73,553	13.62	-459	11,536	62,017	-	144	19.80
Detroit	72,647	12.32	-156	15,829	56,817	-	1,055	26.75
Phoenix	62,999	14.57	549	16,761	46,237	-	2,245	22.50
Columbus	62,743	12.86	3,023	21,472	41,271	48	717	20.00
San Francisco	61,265	16.83	-6,563	39,933	21,332	824	1,548	42.00
Central New Jersey	57,114	10.64	2,727	(X)	57,114	(NA)	3,612	(NA)
Minneapolis	53,435	12.30	507	25,195	28,240	1,465	395	28.15
San Diego	53,311	12.40	1,040	9,153	44,158	-	2,436	30.00
Sacramento	52,969	11.73	550	5,023	47,946	-	2,068	32.00
Baltimore	49,707	12.31	1,278	13,371	36,336	454	1,046	23.00
Silicon Valley	49,096	17.45	-655	8,292	40,804	1,082	3,339	51.00
Orlando	48,363	13.26	791	8,334	40,029	-	625	25.26
Calgary	46,373	9.89	819	31,777	14,596	-	267	21.50
Miami	43,598	11.09	1,136	12,686	30,912	460	1,985	31.44
St. Louis	39,224	13.72	106	10,468	28,757	-	731	22.00

- Represents zero. NA Not available. X Not applicable. ¹ Per square foot.

Source: ONCOR International, Houston, TX, *Year-End 2001 Market Data Book* (copyright).