

Table 6.4 U.S. Renewable Energy Production by Source, 1949-2008
Trillion Btu

Year	Conventional Hydroelectric Power	Biomass (Wood, Waste, and Alcohol Fuels)	Geothermal	Solar	Wind	Total Renewables	Total Fossil Fuels	Overall Total (including Nuclear)	Percent Renewable (excluding Hydro.)	Percent Renewable	Percent Fossil Fuel
1949	1,425	1,549	na	na	na	2,974	28,748	31,722	4.9%	9.4%	90.6%
1950	1,415	1,562	na	na	na	2,978	32,563	35,540	4.4%	8.4%	91.6%
1951	1,424	1,535	na	na	na	2,958	35,792	38,751	4.0%	7.6%	92.4%
1952	1,466	1,474	na	na	na	2,940	34,977	37,917	3.9%	7.8%	92.2%
1953	1,413	1,419	na	na	na	2,831	35,349	38,181	3.7%	7.4%	92.6%
1954	1,360	1,394	na	na	na	2,754	33,764	36,518	3.8%	7.5%	92.5%
1955	1,360	1,424	na	na	na	2,784	37,364	40,148	3.5%	6.9%	93.1%
1956	1,435	1,416	na	na	na	2,851	39,771	42,622	3.3%	6.7%	93.3%
1957	1,516	1,334	na	na	na	2,849	40,133	42,983	3.1%	6.6%	93.4%
1958	1,592	1,323	na	na	na	2,915	37,216	40,133	3.3%	7.3%	92.7%
1959	1,548	1,353	na	na	na	2,901	39,045	41,949	3.2%	6.9%	93.1%
1960	1,608	1,320	1	na	na	2,929	39,869	42,804	3.1%	6.8%	93.1%
1961	1,656	1,295	2	na	na	2,953	40,307	43,280	3.0%	6.8%	93.1%
1962	1,816	1,300	2	na	na	3,119	41,732	44,877	2.9%	6.9%	93.0%
1963	1,771	1,323	4	na	na	3,098	44,037	47,174	2.8%	6.6%	93.4%
1964	1,886	1,337	5	na	na	3,228	45,789	49,056	2.7%	6.6%	93.3%
1965	2,059	1,335	4	na	na	3,398	47,235	50,676	2.6%	6.7%	93.2%
1966	2,062	1,369	4	na	na	3,435	50,035	53,534	2.6%	6.4%	93.5%
1967	2,347	1,340	7	na	na	3,694	52,597	56,379	2.4%	6.6%	93.3%
1968	2,349	1,419	9	na	na	3,778	54,306	58,225	2.5%	6.5%	93.3%
1969	2,648	1,440	13	na	na	4,102	56,286	60,541	2.4%	6.8%	93.0%
1970	2,634	1,431	11	na	na	4,076	59,186	63,501	2.3%	6.4%	93.2%
1971	2,824	1,432	12	na	na	4,268	58,042	62,723	2.3%	6.8%	92.5%
1972	2,864	1,503	31	na	na	4,398	58,938	63,920	2.4%	6.9%	92.2%
1973	2,861	1,529	43	na	na	4,433	58,241	63,585	2.5%	7.0%	91.6%
1974	3,177	1,540	53	na	na	4,769	56,331	62,372	2.6%	7.6%	90.3%
1975	3,155	1,499	70	na	na	4,723	54,733	61,357	2.6%	7.7%	89.2%
1976	2,976	1,713	78	na	na	4,768	54,723	61,602	2.9%	7.7%	88.8%
1977	2,333	1,838	77	na	na	4,249	55,101	62,052	3.1%	6.8%	88.8%
1978	2,937	2,038	64	na	na	5,039	55,074	63,137	3.3%	8.0%	87.2%
1979	2,931	2,152	84	na	na	5,166	58,006	65,948	3.4%	7.8%	88.0%
1980	2,900	2,476	110	na	na	5,485	59,008	67,232	3.8%	8.2%	87.8%
1981	2,758	2,597	123	na	na	5,478	58,529	67,014	4.1%	8.2%	87.3%
1982	3,266	2,664	105	na	na	6,034	57,458	66,623	4.2%	9.1%	86.2%
1983	3,527	2,906	129	na	0	6,562	54,416	64,181	4.7%	10.2%	84.8%
1984	3,386	2,973	165	0	0	6,524	58,849	68,925	4.6%	9.5%	85.4%
1985	2,970	3,018	198	0	0	6,187	57,539	67,801	4.7%	9.1%	84.9%
1986	3,071	2,934	219	0	0	6,225	56,575	67,180	4.7%	9.3%	84.2%
1987	2,635	2,877	229	0	0	5,741	57,167	67,662	4.6%	8.5%	84.5%
1988	2,334	3,019	217	0	0	5,570	57,875	69,032	4.7%	8.1%	83.8%
1989	2,837	3,162	317	55	22	6,394	57,483	69,479	5.1%	9.2%	82.7%
1990	3,046	2,737	336	60	29	6,208	58,560	70,872	4.5%	8.8%	82.6%
1991	3,016	2,784	346	63	31	6,240	57,872	70,534	4.6%	8.8%	82.0%
1992	2,617	2,935	349	64	30	5,995	57,655	70,129	4.8%	8.5%	82.2%
1993	2,892	2,912	364	66	31	6,265	55,822	68,497	4.9%	9.1%	81.5%
1994	2,683	3,031	338	69	36	6,157	58,044	70,895	4.9%	8.7%	81.9%
1995	3,205	3,103	294	70	33	6,705	57,540	71,320	4.9%	9.4%	80.7%
1996	3,590	3,158	316	71	33	7,168	58,387	72,642	4.9%	9.9%	80.4%
1997	3,640	3,112	325	70	34	7,181	58,857	72,635	4.9%	9.9%	81.0%
1998	3,297	2,933	328	70	31	6,659	59,314	73,041	4.6%	9.1%	81.2%
1999	3,268	2,969	331	69	46	6,683	57,614	71,907	4.7%	9.3%	80.1%
2000	2,811	3,010	317	66	57	6,262	57,366	71,490	4.8%	8.8%	80.2%
2001	2,242	2,629	311	65	70	5,318	58,541	71,892	4.3%	7.4%	81.4%
2002	2,689	2,712	328	64	105	5,899	56,894	70,935	4.5%	8.3%	80.2%
2003	2,825	2,815	331	64	115	6,148	56,157	70,264	4.7%	8.8%	79.9%
2004	2,690	3,011	341	65	142	6,248	55,914	70,384	5.1%	8.9%	79.4%
2005	2,703	3,120	343	66	178	6,410	55,056	69,626	5.3%	9.2%	79.1%
2006	2,869	3,309	343	72	264	6,857	55,968	71,039	5.6%	9.7%	78.8%
2007	2,446	3,583	349	81	341	6,800	56,246	71,504	6.1%	9.5%	78.7%
2008*	2,452	3,900	358	91	514	7,316	57,940	73,711	6.6%	9.9%	78.6%

*Preliminary

Source: [EIA, Annual Energy Review](#)

Figure 6.1 - Percentage of U.S. Renewable and Fossil Fuel Energy Production, 1949-2008

