

Table 10.2b Renewable Energy Consumption: Industrial and Transportation Sectors
(Trillion Btu)

	Industrial Sector ^a									Transportation Sector			
	Hydro-electric Power ^b	Geo-thermal ^c	Solar ^d	Wind ^e	Biomass				Total	Biomass			
					Wood ^f	Waste ^g	Fuel Ethanol ^{h,i}	Losses and Co-products ^j		Total	Fuel Ethanol ^{l,k}	Bio-diesel ^l	Total ^m
1950 Total	69	NA	NA	NA	532	NA	NA	NA	532	602	NA	NA	NA
1955 Total	38	NA	NA	NA	631	NA	NA	NA	631	669	NA	NA	NA
1960 Total	39	NA	NA	NA	680	NA	NA	NA	680	719	NA	NA	NA
1965 Total	33	NA	NA	NA	855	NA	NA	NA	855	888	NA	NA	NA
1970 Total	34	NA	NA	NA	1,019	NA	NA	NA	1,019	1,053	NA	NA	NA
1975 Total	32	NA	NA	NA	1,063	NA	NA	NA	1,063	1,096	NA	NA	NA
1980 Total	33	NA	NA	NA	1,600	NA	NA	NA	1,600	1,633	NA	NA	NA
1985 Total	33	NA	NA	NA	1,645	230	1	42	1,918	1,951	50	NA	50
1990 Total	31	2	(s)	—	1,442	192	1	49	1,684	1,717	60	NA	60
1995 Total	55	3	(s)	—	1,652	195	2	86	1,934	1,992	112	NA	112
2000 Total	42	4	(s)	—	1,636	145	1	99	1,881	1,928	135	NA	135
2001 Total	33	5	(s)	—	1,443	129	3	108	1,681	1,719	141	1	142
2002 Total	39	5	(s)	—	1,396	146	3	130	1,676	1,720	168	2	170
2003 Total	43	3	(s)	—	1,363	142	4	168	1,678	1,725	228	2	230
2004 Total	33	4	(s)	—	1,476	132	6	201	1,815	1,852	286	3	290
2005 Total	32	4	(s)	—	1,452	148	7	227	1,834	1,871	327	12	339
2006 Total	29	4	1	—	1,472	130	10	280	1,892	1,926	442	33	475
2007 Total	16	5	1	—	1,413	145	10	369	1,937	1,958	557	45	602
2008 Total	17	5	1	—	1,339	143	12	519	2,012	2,035	786	39	825
2009 Total	18	4	2	—	1,178	154	13	603	1,948	1,972	894	41	935
2010 Total	16	4	3	—	1,273	168	17	727	2,185	2,208	1,041	33	1,075
2011 Total	17	4	4	(s)	1,309	165	17	756	2,246	2,272	1,045	113	1,158
2012 Total	22	4	7	(s)	1,339	159	17	711	2,226	2,259	1,045	115	1,162
2013 Total	33	4	9	(s)	1,312	187	18	709	2,226	2,272	1,072	182	1,278
2014 Total	12	4	11	1	1,325	190	14	757	2,286	2,314	1,093	181	1,292
2015 January	1	(s)	1	(s)	R 115	17	i 1	65	R 199	R 201	i 88	6	94
February	1	(s)	1	(s)	R 103	15	1	59	R 178	R 180	83	11	95
March	1	(s)	1	(s)	R 107	17	1	65	190	R 193	92	13	107
April	1	(s)	1	(s)	R 107	16	1	61	R 186	R 189	88	15	105
May	1	(s)	1	(s)	R 110	R 15	2	65	192	195	97	18	116
June	1	(s)	1	(s)	R 107	15	1	65	R 189	R 192	94	21	117
July	1	(s)	1	(s)	R 112	16	2	67	R 196	R 199	97	18	118
August	1	(s)	1	(s)	R 112	R 15	2	66	R 195	197	98	20	120
September	1	(s)	1	(s)	R 107	15	1	63	186	R 189	94	20	116
October	1	(s)	1	(s)	R 106	17	1	66	R 190	R 193	94	17	114
November	1	(s)	1	(s)	R 108	R 16	1	65	R 191	193	92	14	110
December	1	(s)	1	(s)	R 111	R 17	1	68	198	R 201	93	17	113
Total	13	4	14	(s)	R 1,306	R 190	18	776	R 2,290	R 2,321	1,109	191	1,325
2016 January	1	(s)	1	(s)	R 113	16	1	66	R 196	198	88	13	102
February	1	(s)	1	(s)	R 103	15	1	62	R 182	184	91	15	108
March	1	(s)	1	(s)	R 106	16	2	67	190	R 194	98	16	117
April	1	(s)	2	(s)	R 102	16	1	61	R 180	183	90	17	109
May	1	(s)	2	(s)	R 106	16	2	66	189	R 193	97	22	121
June	1	(s)	2	(s)	R 107	16	2	66	190	193	97	21	121
July	1	(s)	2	(s)	R 109	17	2	68	195	R 199	100	27	129
August	1	(s)	2	(s)	R 109	16	2	69	R 195	R 198	101	28	131
September	1	(s)	2	(s)	R 103	15	1	65	184	R 187	94	26	123
October	1	(s)	1	(s)	R 104	14	1	67	187	R 190	94	26	122
November	1	(s)	1	(s)	R 108	R 15	2	67	R 192	194	95	26	125
December	1	(s)	1	(s)	R 113	16	2	71	R 202	R 205	99	26	126
Total	12	4	17	1	R 1,283	R 186	18	796	R 2,283	R 2,318	1,145	263	1,434
2017 January	1	(s)	1	(s)	111	17	1	70	200	203	89	13	104

^a Industrial sector, including industrial combined-heat-and-power (CHP) and industrial electricity-only plants. See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7.

^b Conventional hydroelectricity net generation (converted to Btu by multiplying by the total fossil fuels heat rate factors in Table A6).

^c Geothermal heat pump and direct use energy.

^d Solar photovoltaic (PV) electricity net generation in the industrial sector (converted to Btu by multiplying by the total fossil fuels heat rate factors in Table A6), both utility-scale and distributed (small-scale). See Table 10.5.

^e Wind electricity net generation (converted to Btu by multiplying by the total fossil fuels heat rate factors in Table A6).

^f Wood and wood-derived fuels.

^g Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^h The fuel ethanol (minus denaturant) portion of motor fuels, such as E10, consumed by the industrial sector.

ⁱ There is a discontinuity in this time series between 2014 and 2015 due to a change in the method for allocating motor gasoline consumption to the end-use sectors. Beginning in 2015, the commercial and industrial sector shares of fuel ethanol consumption are larger than in 2014, while the transportation sector share

is smaller.

^j Losses and co-products from the production of fuel ethanol and biodiesel. Does not include natural gas, electricity, and other non-biomass energy used in the production of fuel ethanol and biodiesel—these are included in the industrial sector consumption statistics for the appropriate energy source.

^k The fuel ethanol (minus denaturant) portion of motor fuels, such as E10 and E85, consumed by the transportation sector.

^l Although there is biodiesel use in other sectors, all biodiesel consumption is assigned to the transportation sector.

^m Beginning in 2009, includes imports minus stock change of other renewable diesel fuel and other renewable fuels. See "Renewable Diesel Fuel (Other)" and "Renewable Fuels (Other)" in Glossary.

R=Revised. NA=Not available. —=No data reported. (s)=Less than 0.5 trillion Btu.

Notes: • Data are estimates, except for industrial sector hydroelectric power in 1949–1978 and 1989 forward, and wind. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#renewable> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.