

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 ^{i,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	-	R 1,409	168	17	727	R 2,320	R 2,343	1,041	33	1,075
2011 Total	17	4	4	(s)	R 1,438	165	17	756	R 2,375	R 2,401	1,045	113	1,158
2012 Total	22	4	7	(s)	R 1,462	159	17	711	R 2,349	R 2,382	1,045	115	1,162
2013 Total	33	4	9	(s)	R 1,489	187	18	709	R 2,403	R 2,449	1,072	182	1,278
2014 Total	12	4	11	1	R 1,495	190	14	757	R 2,456	R 2,484	1,093	181	1,292
2015 January	1	(s)	1	(s)	R 130	17	1	65	R 213	R 215	88	6	94
February	1	(s)	1	(s)	R 116	15	1	59	R 191	R 193	83	11	95
March	1	(s)	1	(s)	R 122	17	1	65	R 205	R 207	92	13	107
April	1	(s)	1	(s)	R 121	16	1	61	R 200	R 203	88	15	105
May	1	(s)	1	(s)	R 125	15	2	65	R 207	R 210	97	18	116
June	1	(s)	1	(s)	R 121	15	1	65	R 203	R 206	94	21	117
July	1	(s)	1	(s)	R 126	16	2	67	R 210	R 213	97	18	118
August	1	(s)	1	(s)	R 127	15	2	66	R 209	R 212	98	20	120
September	1	(s)	1	(s)	R 121	15	1	63	R 200	R 203	94	20	116
October	1	(s)	1	(s)	R 120	17	1	66	R 204	R 207	94	17	114
November	1	(s)	1	(s)	R 121	16	1	65	R 205	R 207	92	14	110
December	1	(s)	1	(s)	R 126	17	1	68	R 213	R 215	93	17	113
Total	13	4	14	(s)	R 1,476	190	18	776	R 2,460	R 2,491	R 1,110	191	R 1,326
2016 January	1	(s)	1	(s)	R 127	15	1	66	R 209	R 212	88	13	102
February	1	(s)	1	(s)	R 119	15	1	63	R 197	R 200	90	15	107
March	1	(s)	2	(s)	R 121	16	2	67	R 206	R 210	96	17	116
April	1	(s)	2	(s)	R 115	15	1	61	R 193	R 196	89	18	108
May	1	(s)	2	(s)	R 121	15	2	66	R 204	R 207	97	23	122
June	1	(s)	2	(s)	R 121	13	2	66	R 202	R 205	97	21	R 122
July	1	(s)	2	(s)	R 124	14	2	69	R 208	R 211	99	27	128
August	1	(s)	2	(s)	R 124	14	2	70	R 209	R 213	101	28	131
September	1	(s)	2	(s)	R 117	13	1	66	R 197	R 200	94	26	124
October	1	(s)	2	(s)	R 120	15	2	68	R 204	R 207	96	25	123
November	1	(s)	1	(s)	R 122	15	1	67	R 206	R 208	95	26	124
December	1	(s)	1	(s)	R 143	16	2	71	R 231	R 234	100	26	127
Total	12	4	19	1	R 1,474	174	18	801	R 2,467	R 2,503	R 1,143	266	R 1,434
2017 January	1	(s)	1	(s)	R 128	15	1	70	R 215	R 218	89	13	104
February	1	(s)	1	(s)	R 118	14	1	63	R 196	R 199	85	13	100
March	1	(s)	2	(s)	R 124	15	R 1	70	R 210	R 213	95	19	117
April	1	(s)	2	(s)	R 119	14	1	64	R 198	R 202	93	21	R 116
May	1	(s)	2	(s)	R 121	13	2	69	R 204	R 208	99	25	127
June	1	(s)	2	(s)	R 122	12	2	66	R 202	R 206	100	25	128
July	1	(s)	3	(s)	R 127	13	2	68	R 209	R 213	98	26	126
August	1	(s)	2	(s)	R 129	13	2	70	R 214	R 218	101	25	128
September	1	(s)	2	(s)	R 118	12	2	66	R 198	R 202	95	22	121
October	1	(s)	2	(s)	R 122	14	2	69	R 207	R 210	100	21	123
November	1	(s)	2	(s)	122	15	2	70	209	212	97	21	119
11-Month Total	12	4	22	1	1,350	150	17	746	2,263	2,301	1,052	231	1,309
2016 11-Month Total	11	4	18	1	1,331	159	16	729	2,235	2,269	1,043	240	1,307
2015 11-Month Total	12	4	13	(s)	1,350	173	16	708	2,247	2,276	1,017	174	1,213

^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.