Table 12.4 Carbon Dioxide Emissions From Energy Consumption: Industrial Sector

(Million Metric Tons of Carbon Dioxide[a])

	Coal	Coal Coke Net Imports	Natural Gas[b]	Petroleum									Retail Electricity[g]	Total[h]
				Distillate Fuel Oil[c]	HGL[d]	Kerosene	Lubricants	Motor Gasoline[e]	Petroleum Coke	Residual Fuel Oil	Other[f]	Total		
1973 Total	**371**	**-1**	**536**	**106**	**28**	**11**	**7**	**18**	**R 53**	**142**	**97**	**R 463**	**515**	**1,884**
1975 Total	**336**	**2**	**440**	**97**	**27**	**9**	**6**	**16**	**51**	**115**	**93**	**413**	**490**	**1,680**
1980 Total	**289**	**-4**	**430**	**96**	**54**	**13**	**7**	**11**	**R 49**	**103**	**129**	**461**	**601**	**1,776**
1985 Total	**256**	**-2**	**363**	**81**	**55**	**3**	**6**	**15**	**54**	**57**	**86**	**358**	**583**	**1,558**
1990 Total	**258**	**1**	**435**	**84**	**46**	**1**	**7**	**13**	**67**	**32**	**114**	**363**	**638**	**1,695**
1995 Total	**233**	**7**	**492**	**82**	**58**	**1**	**7**	**14**	**R 68**	**25**	**107**	**362**	**659**	**1,752**
1996 Total	**227**	**3**	**508**	**86**	**59**	**1**	**6**	**14**	**R 72**	**25**	**125**	**R 389**	**678**	**1,804**
1997 Total	**224**	**5**	**509**	**88**	**58**	**1**	**7**	**15**	**70**	**22**	**131**	**R 392**	**694**	**R 1,824**
1998 Total	**219**	**8**	**500**	**88**	**56**	**2**	**7**	**14**	**80**	**16**	**116**	**379**	**706**	**1,811**
1999 Total	**208**	**7**	**480**	**86**	**57**	**1**	**7**	**11**	**85**	**14**	**119**	**R 381**	**704**	**R 1,780**
2000 Total	**211**	**7**	**486**	**87**	**58**	**1**	**7**	**11**	**R 77**	**17**	**106**	**364**	**719**	**1,787**
2001 Total	**204**	**3**	**444**	**94**	**51**	**2**	**6**	**21**	**79**	**14**	**125**	**392**	**667**	**R 1,712**
2002 Total	**188**	**7**	**453**	**88**	**52**	**1**	**6**	**22**	**79**	**13**	**121**	**R 383**	**654**	**1,684**
2003 Total	**190**	**6**	**435**	**85**	**48**	**2**	**6**	**23**	**78**	**15**	**134**	**391**	**672**	**1,694**
2004 Total	**190**	**16**	**438**	**88**	**52**	**2**	**6**	**26**	**85**	**17**	**136**	**R 413**	**674**	**R 1,732**
2005 Total	**183**	**5**	**406**	**92**	**48**	**3**	**6**	**25**	**82**	**20**	**135**	**410**	**672**	**R 1,677**
2006 Total	**179**	**7**	**408**	**91**	**47**	**2**	**6**	**26**	**85**	**16**	**147**	**R 421**	**650**	**1,664**
2007 Total	**175**	**3**	**418**	**91**	**50**	**1**	**6**	**21**	**83**	**13**	**143**	**408**	**662**	**1,666**
2008 Total	**168**	**5**	**419**	**98**	**38**	**(s)**	**6**	**17**	**R 78**	**13**	**126**	**375**	**642**	**1,608**
2009 Total	**131**	**-3**	**395**	**78**	**38**	**(s)**	**5**	**16**	**73**	**9**	**107**	**327**	**550**	**R 1,400**
2010 Total	**153**	**-1**	**427**	**84**	**42**	**1**	**6**	**17**	**68**	**8**	**115**	**341**	**587**	**R 1,508**
2011 Total	**146**	**1**	**438**	**90**	**38**	**(s)**	**5**	**17**	**R 65**	**9**	**114**	**339**	**574**	**1,498**
2012 Total	**141**	**(s)**	**455**	**93**	**48**	**(s)**	**5**	**17**	**70**	**5**	**110**	**R 348**	**543**	**R 1,488**
2013 Total	**145**	**-2**	**472**	**92**	**50**	**(s)**	**5**	**17**	**65**	**3**	**116**	**349**	**542**	**1,506**
2014 Total	**143**	**-2**	**488**	**100**	**45**	**(s)**	**5**	**14**	**64**	**3**	**108**	**R 340**	**543**	**1,511**
2015 January	12	(s)	46	9	6	(s)	1	1	6	(s)	8	32	42	131
February	11	(s)	42	10	5	(s)	(s)	1	2	(s)	9	28	41	122
March	11	(s)	43	9	5	(s)	1	1	6	(s)	9	31	39	123
April	10	(s)	40	8	4	(s)	1	1	6	(s)	9	29	37	116
May	11	(s)	39	6	4	(s)	1	1	6	(s)	11	30	42	122
June	11	(s)	38	7	4	(s)	(s)	1	6	(s)	11	30	47	125
July	11	(s)	39	7	4	(s)	1	2	6	(s)	11	30	48	129
August	11	(s)	39	6	5	(s)	(s)	2	R 7	(s)	9	29	47	126
September	10	(s)	38	8	4	(s)	(s)	1	4	(s)	9	27	43	118
October	11	(s)	40	6	5	(s)	1	1	5	(s)	7	25	40	115
November	10	(s)	41	4	4	(s)	(s)	1	5	(s)	9	24	38	113
December	10	(s)	43	5	5	(s)	(s)	1	4	(s)	10	27	36	R 117
Total	**129**	**-2**	**487**	**85**	**53**	**(s)**	**6**	**17**	**65**	**2**	**112**	**341**	**502**	**1,457**
2016 January	10	(s)	46	8	6	(s)	(s)	1	6	(s)	10	31	R 39	R 126
February	10	(s)	42	8	5	(s)	(s)	1	5	(s)	12	32	R 34	R 119
March	10	(s)	43	9	4	(s)	1	1	6	(s)	9	30	R 32	R 115
April	9	(s)	40	6	4	(s)	(s)	1	4	(s)	10	27	R 33	R 109
May	9	(s)	40	6	3	(s)	(s)	1	4	(s)	9	25	R 37	R 111
June	9	(s)	39	7	3	(s)	1	1	3	(s)	10	25	R 44	R 117
July	9	(s)	40	4	4	(s)	(s)	2	5	(s)	9	24	R 47	R 121
August	9	(s)	41	7	3	(s)	(s)	2	7	(s)	11	31	R 47	R 128
September	9	(s)	39	7	4	(s)	(s)	1	4	(s)	10	27	R 41	R 117
October	9	(s)	40	7	4	(s)	(s)	1	5	(s)	11	R 30	R 39	R 118
November	9	-1	42	7	4	(s)	(s)	1	8	(s)	9	30	R 36	R 117
December	10	(s)	46	7	5	(s)	(s)	1	6	(s)	10	31	R 40	R 126
Total	**112**	**-2**	**498**	**83**	**50**	**(s)**	**6**	**17**	**R 64**	**3**	**120**	**343**	**R 473**	**R 1,424**
2017 January	9	(s)	46	7	6	(s)	(s)	1	7	(s)	10	31	37	R 124
February	9	(s)	41	7	4	(s)	(s)	1	4	(s)	9	R 26	32	107
March	9	(s)	44	10	4	(s)	(s)	1	2	(s)	11	30	R 35	R 119
April	9	(s)	40	6	4	(s)	(s)	1	5	(s)	11	29	33	111
May	9	(s)	41	8	4	(s)	(s)	2	5	(s)	10	29	37	116
June	9	(s)	40	7	3	(s)	(s)	1	4	(s)	10	26	40	R 115
July	9	(s)	41	6	4	(s)	(s)	2	8	(s)	10	29	44	123
August	10	(s)	41	7	3	(s)	(s)	2	5	(s)	10	28	R 44	R 122
September	9	(s)	40	7	4	(s)	(s)	1	6	(s)	9	29	38	115
9-Month Total	**83**	**-2**	**374**	**65**	**36**	**(s)**	**3**	**13**	**45**	**3**	**91**	**257**	**341**	**1,052**
2016 9-Month Total	**84**	**-1**	**370**	**62**	**36**	**(s)**	**4**	**13**	**45**	**2**	**90**	**252**	**355**	**1,060**
2015 9-Month Total	**98**	**-2**	**363**	**70**	**39**	**(s)**	**4**	**13**	**50**	**2**	**86**	**265**	**387**	**1,111**

[a] Metric tons of carbon dioxide can be converted to metric tons of carbon equivalent by multiplying by 12/44.
[b] Natural gas, excluding supplemental gaseous fuels.
[c] Distillate fuel oil, excluding biodiesel.
[d] Hydrocarbon gas liquids.
[e] Finished motor gasoline, excluding fuel ethanol.
[f] Aviation gasoline blending components, crude oil, motor gasoline blending components, petrochemical feedstocks, special naphthas, still gas, unfinished oils, waxes, and miscellaneous petroleum products.
[g] Emissions from energy consumption (for electricity and a small amount of useful thermal output) in the electric power sector are allocated to the end-use sectors in proportion to each sector's share of total electricity retail sales. See Tables 7.6 and 12.6.
[h] Excludes emissions from biomass energy consumption. See Table 12.7.

R=Revised. (s)=Less than 0.5 million metric tons and greater than -0.5 million metric tons.

Notes: • Data are estimates for carbon dioxide emissions from energy consumption, plus the relatively small amount of emissions from the non-combustion use of fossil fuels. See "Section 12 Methodology and Sources" at end of section. • See "Carbon Dioxide" in Glossary. • See Note 1, "Emissions of Carbon Dioxide and Other Greenhouse Gases," at end of section. • Data exclude emissions from biomass energy consumption. See Table 12.7 and Note 2, "Accounting for Carbon Dioxide Emissions From Biomass Energy Combustion," at end of section. • 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/#environment (Excel and CSV files) for all available annual and monthly data beginning in 1973.

Sources: See end of section.

Historical revisions are due to revised data for non-combustion use of fossil fuels in Table 1.11b.