

Emissions of Greenhouse Gases in the United States 2009

Table 4. World energy-related carbon dioxide emissions by region, 1990-2035
 (million metric tons carbon dioxide, percent share of world emissions)

Region/Country	History				Projections					Average annual percent change, 2007-2035 ^a
	1990	2005	2006	2007	2015	2020	2025	2030	2035	
OECD										
OECD North America	5,812	7,034	6,940	7,052	6,683	6,827	7,078	7,360	7,699	0.3
	(27.0%)	(24.8%)	(24.1%)	(23.7%)	(21.2%)	(20.2%)	(19.5%)	(18.8%)	(18.2%)	(5.1%)
United States ^b	5,039	5,996	5,918	6,022	5,679	5,774	5,931	6,110	6,315	0.2
	(23.4%)	(21.2%)	(20.5%)	(20.3%)	(18.1%)	(17.1%)	(16.3%)	(15.6%)	(14.9%)	(2.3%)
Canada	471	628	596	586	553	554	579	609	643	0.3
	(2.2%)	(2.2%)	(2.1%)	(2.0%)	(1.8%)	(1.6%)	(1.6%)	(1.6%)	(1.5%)	(0.5%)
Mexico	302	410	426	444	451	499	568	641	741	1.8
	(1.4%)	(1.4%)	(1.5%)	(1.5%)	(1.4%)	(1.5%)	(1.6%)	(1.6%)	(1.7%)	(2.3%)
OECD Europe	4,149	4,398	4,426	4,386	4,110	4,042	4,037	4,052	4,107	-0.2
	(19.3%)	(15.5%)	(15.3%)	(14.8%)	(13.1%)	(12.0%)	(11.1%)	(10.3%)	(9.7%)	-(2.2%)
OECD Asia	1,595	2,203	2,196	2,273	2,149	2,201	2,263	2,318	2,388	0.2
	(7.4%)	(7.8%)	(7.6%)	(7.6%)	(6.8%)	(6.5%)	(6.2%)	(5.9%)	(5.6%)	(0.9%)
Japan	1,054	1,254	1,253	1,262	1,102	1,114	1,106	1,085	1,064	-0.6
	(4.9%)	(4.4%)	(4.3%)	(4.2%)	(3.5%)	(3.3%)	(3.0%)	(2.8%)	(2.5%)	-(1.6%)
South Korea	243	496	486	516	535	570	627	687	757	1.4
	(1.1%)	(1.8%)	(1.7%)	(1.7%)	(1.7%)	(1.7%)	(1.7%)	(1.8%)	(1.8%)	(1.9%)
Australia/ New Zealand	298	453	457	495	512	517	530	546	567	0.5
	(1.4%)	(1.6%)	(1.6%)	(1.7%)	(1.6%)	(1.5%)	(1.5%)	(1.4%)	(1.3%)	(0.6%)
Total OECD	11,556	13,635	13,562	13,711	12,942	13,070	13,378	13,730	14,194	0.1
	(53.7%)	(48.1%)	(47.0%)	(46.1%)	(41.1%)	(38.7%)	(36.8%)	(35.0%)	(33.5%)	(3.8%)

(continued on page 10)

^aValues in parentheses indicate percentage share of total world absolute change from 2007 to 2035.

^bIncludes the 50 States and the District of Columbia.

Note: The U.S. numbers include carbon dioxide emissions attributable to geothermal energy and nonbiogenic materials in municipal solid waste.

Table 4. World energy-related carbon dioxide emissions by region, 1990-2035 (continued)
(million metric tons carbon dioxide, percent share of world emissions)

Region/Country	History				Projections					Average annual percent change, 2007-2035 ^a
	1990	2005	2006	2007	2015	2020	2025	2030	2035	
Non-OECD										
Non-OECD Europe and Eurasia	4,246	2,843	2,876	2,896	2,882	2,914	2,965	3,042	3,172	0.3
	(19.7%)	(10.0%)	(10.0%)	(9.7%)	(9.2%)	(8.6%)	(8.2%)	(7.8%)	(7.5%)	(2.2%)
Russia	2,393	1,650	1,672	1,663	1,642	1,648	1,666	1,715	1,811	0.3
	(11.1%)	(5.8%)	(5.8%)	(5.6%)	(5.2%)	(4.9%)	(4.6%)	(4.4%)	(4.3%)	(1.2%)
Other	1,853	1,193	1,204	1,233	1,240	1,266	1,299	1,327	1,361	0.4
	(8.6%)	(4.2%)	(4.2%)	(4.1%)	(3.9%)	(3.8%)	(3.6%)	(3.4%)	(3.2%)	(1.0%)
Non-OECD Asia	3,677	8,382	8,830	9,426	11,228	12,971	14,897	16,906	18,984	2.5
	(17.1%)	(29.6%)	(30.6%)	(31.7%)	(35.7%)	(38.5%)	(41.0%)	(43.1%)	(44.8%)	(75.5%)
China	2,293	5,558	5,862	6,284	7,716	9,057	10,514	11,945	13,326	2.7
	(10.6%)	(19.6%)	(20.3%)	(21.1%)	(24.5%)	(26.8%)	(28.9%)	(30.5%)	(31.4%)	(55.6%)
India	573	1,187	1,287	1,399	1,566	1,751	1,905	2,079	2,296	1.8
	(2.7%)	(4.2%)	(4.5%)	(4.7%)	(5.0%)	(5.2%)	(5.2%)	(5.3%)	(5.4%)	(7.1%)
Other Non-OECD Asia	811	1,637	1,681	1,743	1,946	2,163	2,478	2,882	3,362	2.4
	(3.8%)	(5.8%)	(5.8%)	(5.9%)	(6.2%)	(6.4%)	(6.8%)	(7.4%)	(7.9%)	(12.8%)
Middle East	704	1,395	1,446	1,515	1,939	2,134	2,287	2,450	2,692	2.1
	(3.3%)	(4.9%)	(5.0%)	(5.1%)	(6.2%)	(6.3%)	(6.3%)	(6.2%)	(6.4%)	(9.3%)
Africa	659	982	988	1,011	1,157	1,237	1,347	1,461	1,610	1.7
	(3.1%)	(3.5%)	(3.4%)	(3.4%)	(3.7%)	(3.7%)	(3.7%)	(3.7%)	(3.8%)	(4.7%)
Central and South America	695	1,092	1,133	1,169	1,311	1,407	1,502	1,613	1,734	1.4
	(3.2%)	(3.9%)	(3.9%)	(3.9%)	(4.2%)	(4.2%)	(4.1%)	(4.1%)	(4.1%)	(4.5%)
Brazil	235	366	380	394	478	534	601	682	761	2.4
	(1.1%)	(1.3%)	(1.3%)	(1.3%)	(1.5%)	(1.6%)	(1.7%)	(1.7%)	(1.8%)	(2.9%)
Other Central/South America	460	726	753	775	833	873	901	931	973	0.8
	(2.1%)	(2.6%)	(2.6%)	(2.6%)	(2.6%)	(2.6%)	(2.5%)	(2.4%)	(2.3%)	(1.6%)
Total Non-OECD	9,981	14,694	15,273	16,017	18,517	20,663	22,998	25,472	28,192	2.0
	(46.3%)	(51.9%)	(53.0%)	(53.9%)	(58.9%)	(61.3%)	(63.2%)	(65.0%)	(66.5%)	(96.2%)
Total World	21,537	28,329	28,835	29,728	31,459	33,733	36,376	39,202	42,386	1.3

^aValues in parentheses indicate percentage share of total world absolute change from 2007 to 2035.