

Table 3. World Energy-Related Carbon Dioxide Emissions by Region, 1990-2030
(Million Metric Tons Carbon Dioxide, Percent Share of World Emissions)

Region/Country	History ^a			Projections ^a					Average Annual Percent Change, 2005-2030 ^b
	1990	2004	2005	2010	2015	2020	2025	2030	
OECD									
OECD North America	5,754	6,959	7,008	7,109	7,408	7,653	7,928	8,300	0.7
	(27.1%)	(25.7%)	(25.0%)	(22.9%)	(21.6%)	(20.7%)	(20.0%)	(19.6%)	(9.1%)
United States ^c	4,989	5,957	5,982	6,011	6,226	6,384	6,571	6,851	0.5
	(23.5%)	(22.0%)	(21.3%)	(19.3%)	(18.1%)	(17.2%)	(16.6%)	(16.2%)	(6.1%)
Canada	465	623	628	669	698	727	756	784	0.9
	(2.2%)	(2.3%)	(2.2%)	(2.2%)	(2.0%)	(2.0%)	(1.9%)	(1.9%)	(1.1%)
Mexico	300	379	398	430	484	542	601	665	2.1
	(1.4%)	(1.4%)	(1.4%)	(1.4%)	(1.4%)	(1.5%)	(1.5%)	(1.6%)	(1.9%)
OECD Europe	4,101	4,373	4,383	4,512	4,678	4,760	4,800	4,834	0.4
	(19.3%)	(16.2%)	(15.6%)	(14.5%)	(13.6%)	(12.9%)	(12.1%)	(11.4%)	(3.2%)
OECD Asia	1,541	2,148	2,174	2,208	2,287	2,322	2,357	2,403	0.4
	(7.3%)	(7.9%)	(7.8%)	(7.1%)	(6.7%)	(6.3%)	(6.0%)	(5.7%)	(1.6%)
Japan	1,009	1,242	1,230	1,196	1,201	1,195	1,184	1,170	-0.2
	(4.8%)	(4.6%)	(4.4%)	(3.8%)	(3.5%)	(3.2%)	(3.0%)	(2.8%)	(-0.4%)
South Korea	241	488	500	559	612	632	656	693	1.3
	(1.1%)	(1.8%)	(1.8%)	(1.8%)	(1.8%)	(1.7%)	(1.7%)	(1.6%)	(1.4%)
Australia/New Zealand	291	418	444	454	474	495	517	540	0.8
	(1.4%)	(1.5%)	(1.6%)	(1.5%)	(1.4%)	(1.3%)	(1.3%)	(1.3%)	(0.7%)
Total OECD	11,396	13,480	13,565	13,829	14,373	14,736	15,085	15,538	0.5
	(53.7%)	(49.8%)	(48.4%)	(44.5%)	(41.9%)	(39.8%)	(38.1%)	(36.7%)	(13.8%)
Non-OECD									
Non-OECD Europe and Eurasia ..	4,198	2,797	2,865	3,066	3,330	3,508	3,625	3,811	1.1
	(19.8%)	(10.3%)	(10.2%)	(9.9%)	(9.7%)	(9.5%)	(9.2%)	(9.0%)	(6.6%)
Russia	2,376	1,669	1,696	1,789	1,902	1,984	2,020	2,117	0.9
	(11.2%)	(6.2%)	(6.0%)	(5.8%)	(5.5%)	(5.4%)	(5.1%)	(5.0%)	(2.9%)
Other	1,822	1,128	1,169	1,278	1,428	1,524	1,606	1,694	1.5
	(8.6%)	(4.2%)	(4.2%)	(4.1%)	(4.2%)	(4.1%)	(4.1%)	(4.0%)	(3.7%)
Non-OECD Asia	3,613	7,517	8,177	10,185	12,157	13,907	15,683	17,482	3.1
	(17.0%)	(27.8%)	(29.2%)	(32.7%)	(35.4%)	(37.6%)	(39.6%)	(41.3%)	(65.2%)
China	2,241	4,753	5,323	6,898	8,214	9,475	10,747	12,007	3.3
	(10.6%)	(17.6%)	(19.0%)	(22.2%)	(23.9%)	(25.6%)	(27.1%)	(28.4%)	(46.8%)
India	565	1,127	1,164	1,349	1,604	1,818	2,019	2,238	2.6
	(2.7%)	(4.2%)	(4.1%)	(4.3%)	(4.7%)	(4.9%)	(5.1%)	(5.3%)	(7.5%)
Other Non-OECD Asia	807	1,637	1,690	1,938	2,338	2,614	2,917	3,237	2.6
	(3.8%)	(6.0%)	(6.0%)	(6.2%)	(6.8%)	(7.1%)	(7.4%)	(7.6%)	(10.8%)
Middle East	700	1,290	1,400	1,622	1,802	1,988	2,120	2,250	1.9
	(3.3%)	(4.8%)	(5.0%)	(5.2%)	(5.2%)	(5.4%)	(5.4%)	(5.3%)	(6.0%)
Africa	649	943	966	1,090	1,244	1,366	1,450	1,515	1.8
	(3.1%)	(3.5%)	(3.4%)	(3.5%)	(3.6%)	(3.7%)	(3.7%)	(3.6%)	(3.8%)
Central and South America	669	1,042	1,078	1,308	1,429	1,531	1,628	1,729	1.9
	(3.2%)	(3.8%)	(3.8%)	(4.2%)	(4.2%)	(4.1%)	(4.1%)	(4.1%)	(4.6%)
Brazil	216	350	356	451	498	541	582	633	2.3
	(1.0%)	(1.3%)	(1.3%)	(1.5%)	(1.5%)	(1.5%)	(1.5%)	(1.5%)	(1.9%)
Other Central/South America	453	692	722	857	931	990	1,046	1,097	1.7
	(2.1%)	(2.6%)	(2.6%)	(2.8%)	(2.7%)	(2.7%)	(2.6%)	(2.6%)	(2.6%)
Total Non-OECD	9,830	13,589	14,486	17,271	19,962	22,299	24,506	26,787	2.5
	(46.3%)	(50.2%)	(51.6%)	(55.5%)	(58.1%)	(60.2%)	(61.9%)	(63.3%)	(86.2%)
Total World	21,226	27,070	28,051	31,100	34,335	37,035	39,591	42,325	1.7

^aValues adjusted for nonfuel sequestration.

^bValues in parentheses indicate percent share of total world absolute change.

^cIncludes the 50 States and the District of Columbia.

Note: The U.S. numbers include carbon dioxide emissions attributable to renewable energy sources.

Sources: **History:** Energy Information Administration (EIA), *International Energy Annual 2005* (May-July 2007), web site www.eia.doe.gov/iea/; and data presented in this report. **Projections:** EIA, *Annual Energy Outlook 2008*, DOE/EIA-0383(2008) (Washington, DC, June 2008), Table 1, web site www.eia.doe.gov/oiat/aeo/; and *International Energy Outlook 2008*, DOE/EIA-0484(2008) (Washington, DC, September 2008), Table A10.