

1.4.1	Carbon Dioxide Emissions for U.S. Buildings, by Year (Million Metric Tons) (1)							
	Buildings				U.S.		Buildings % of Total U.S.	Buildings % of Total Global
	Site	Electricity	Total	Growth Rate 2010-Year	Total	Growth Rate 2010-Year		
1980	630	933	1562	-	4723	-	33%	8.5%
1981	586	945	1531	-	4601	-	33%	8.4%
1982	585	938	1523	-	4357	-	35%	8.4%
1983	566	959	1524	-	4332	-	35%	8.4%
1984	584	990	1575	-	4561	-	35%	8.2%
1985	569	1026	1595	-	4559	-	35%	8.2%
1986	558	1033	1592	-	4564	-	35%	8.0%
1987	566	1077	1642	-	4714	-	35%	8.0%
1988	597	1134	1731	-	4939	-	35%	8.2%
1989	601	1149	1749	-	4983	-	35%	8.1%
1990	566	1190	1756	-	5039	-	35%	8.1%
1991	575	1199	1774	-	4996	-	36%	8.3%
1992	586	1191	1777	-	5093	-	35%	8.3%
1993	598	1261	1859	-	5185	-	36%	8.6%
1994	593	1273	1866	-	5258	-	35%	8.6%
1995	592	1298	1890	-	5314	-	36%	8.5%
1996	629	1352	1982	-	5501	-	36%	8.7%
1997	611	1405	2016	-	5575	-	36%	8.7%
1998	562	1483	2044	-	5622	-	36%	8.9%
1999	585	1497	2082	-	5682	-	37%	8.9%
2000	619	1588	2207	-	5867	-	38%	9.3%
2001	597	1602	2199	-	5759	-	38%	9.2%
2002	600	1631	2231	-	5809	-	38%	9.0%
2003	623	1643	2266	-	5857	-	39%	8.8%
2004	609	1672	2281	-	5975	-	38%	8.3%
2005	591	1739	2330	-	5996	-	39%	8.2%
2006	531	1705	2235	-	5918	-	38%	7.7%
2007	562	1758	2321	-	6022	-	39%	7.8%
2008	575	1727	2302	-	5838	-	39%	7.6%
2009	561	1605	2166	-	5426	-	40%	7.1%
2010 (3)	584	1684	2268	-	5634	-	40%	7.4%
2011	581	1655	2236	-0.5%	5634	0.0%	40%	7.3%
2012	588	1583	2172	-1.1%	5510	-0.6%	39%	7.0%
2013	571	1543	2114	-1.4%	5458	-0.6%	39%	6.8%
2014	572	1511	2082	-1.4%	5447	-0.6%	38%	6.6%
2015	570	1493	2063	-1.3%	5434	-0.5%	38%	6.5%
2016	570	1501	2071	-1.1%	5475	-0.4%	38%	6.5%
2017	569	1525	2094	-0.9%	5514	-0.2%	38%	6.5%
2018	568	1541	2109	-0.7%	5531	-0.2%	38%	6.4%
2019	567	1559	2126	-0.6%	5548	-0.1%	38%	6.4%
2020	566	1566	2132	-0.5%	5549	-0.1%	38%	6.3%
2021	565	1578	2142	-0.4%	5552	-0.1%	39%	6.2%
2022	563	1594	2157	-0.4%	5563	-0.1%	39%	6.2%
2023	561	1618	2180	-0.3%	5579	-0.1%	39%	6.2%
2024	560	1635	2196	-0.2%	5589	0.0%	39%	6.1%
2025	560	1664	2224	-0.1%	5618	0.0%	40%	6.1%
2026	559	1682	2241	-0.1%	5632	0.0%	40%	6.1%
2027	558	1705	2263	0.0%	5649	0.0%	40%	6.0%

2028	558	1718	2276	0.0%	5657	0.0%	40%	6.0%
2029	558	1733	2292	0.0%	5671	0.0%	40%	5.9%
2030	558	1755	2313	0.1%	5695	0.0%	41%	5.9%
2031	558	1777	2334	0.1%	5725	0.1%	41%	5.9%
2032	557	1795	2352	0.2%	5745	0.1%	41%	5.8%
2033	556	1812	2369	0.2%	5766	0.1%	41%	5.8%
2034	556	1827	2383	0.2%	5790	0.1%	41%	5.7%
2035	556	1840	2396	0.1%	5806	0.1%	41%	5.7%

Note(s): 1) Excludes emissions of buildings-related energy consumption in the industrial sector. Emissions assume complete combustion from energy consumption and exclude energy production activities such as gas flaring, coal mining, and cement production. 2) Carbon emissions calculated from EIA, Assumptions to the AEO 2010 and differs from EIA, AEO 2012 Early Release, Table A18. Buildings sector total varies by -0.7% from EIA, AEO 2012 Early Release. 3) U.S. buildings emissions approximately equal the combined carbon emissions of Russia and Canada.

Source(s): EIA, Emissions of Greenhouse Gases in the U.S. 2009, Feb. 2011, Tables 8-11 for 1990-2009 greenhouse gas emissions; EIA, Assumptions to the Annual Energy Outlook 2010, May 2010, Table 1.2, p. 12 for carbon coefficients; EIA, Annual Energy Outlook 2012 Early Release, Jan. 2011, Summary Reference Case Tables, Table A2, p. 3-5 for 2010-2035 energy consumption and Table A18, p. 36 for 2010-2035 emissions; EIA, International Energy Outlook 2011, Sept. 2011, Table A10 for 2010-2035 global emissions; and EIA, Country Energy Profiles for global emissions (1980-2009), available at <http://www.eia.gov/cfapps/ipdbproject/IEDIndex3.cfm>, accessed 2/10/2012 for 1980-2009 global emissions.