

2.4.1 Carbon Dioxide Emissions for U.S. Residential Buildings, by Year (Million Metric Tons) (1)								
	Residential				U.S.		Res.% of Total U.S.	Res.% of Total Global
	Site Fossil	Electricity	Total	Growth Rate 2010-Year	Total	Growth Rate 2010-Year		
1980	385	525	909	-	4723	-	19%	4.9%
1981	361	518	878	-	4601	-	19%	4.8%
1982	359	511	870	-	4357	-	20%	4.8%
1983	340	525	865	-	4332	-	20%	4.7%
1984	349	535	883	-	4561	-	19%	4.6%
1985	351	549	901	-	4559	-	20%	4.6%
1986	343	551	894	-	4564	-	20%	4.5%
1987	346	574	920	-	4714	-	20%	4.5%
1988	367	603	970	-	4939	-	20%	4.6%
1989	374	606	980	-	4983	-	20%	4.6%
1990	340	624	963	-	5039	-	19%	4.5%
1991	347	633	980	-	4996	-	20%	4.6%
1992	357	624	981	-	5093	-	19%	4.6%
1993	372	667	1040	-	5185	-	20%	4.8%
1994	364	668	1032	-	5258	-	20%	4.7%
1995	361	678	1039	-	5314	-	20%	4.7%
1996	389	710	1099	-	5501	-	20%	4.9%
1997	371	719	1090	-	5575	-	20%	4.7%
1998	339	759	1097	-	5622	-	20%	4.8%
1999	360	762	1122	-	5682	-	20%	4.8%
2000	380	805	1185	-	5867	-	20%	5.0%
2001	367	805	1172	-	5759	-	20%	4.9%
2002	368	835	1204	-	5809	-	21%	4.9%
2003	383	847	1230	-	5857	-	21%	4.8%
2004	371	856	1228	-	5975	-	21%	4.5%
2005	364	897	1261	-	5996	-	21%	4.4%
2006	323	869	1192	-	5918	-	20%	4.1%
2007	345	897	1242	-	6022	-	21%	4.2%
2008	351	878	1229	-	5838	-	21%	4.0%
2009	343	820	1162	-	5426	(2)	21%	3.8%
2010	353	879	1231	-	5634	-	22%	3.9%
2011	350	861	1211	-1.6%	5634	0.0%	21%	3.8%
2012	356	818	1174	-2.3%	5510	-1.1%	21%	3.7%
2013	343	791	1134	-2.7%	5458	-1.0%	21%	3.5%
2014	342	772	1113	-2.5%	5447	-0.8%	20%	3.4%
2015	339	759	1098	-2.3%	5434	-0.7%	20%	3.3%
2016	338	761	1099	-1.9%	5475	-0.5%	20%	3.3%
2017	336	773	1109	-1.5%	5514	-0.3%	20%	3.3%
2018	334	780	1114	-1.2%	5531	-0.2%	20%	3.2%
2019	333	788	1121	-1.0%	5548	-0.2%	20%	3.2%
2020	332	791	1122	-0.9%	5549	-0.2%	20%	3.2%
2021	330	796	1126	-0.8%	5552	-0.1%	20%	3.2%
2022	328	804	1132	-0.7%	5563	-0.1%	20%	3.1%
2023	327	816	1142	-0.6%	5579	-0.1%	20%	3.1%
2024	326	824	1150	-0.5%	5589	-0.1%	21%	3.1%
2025	324	838	1163	-0.4%	5618	0.0%	21%	3.1%
2026	323	847	1170	-0.3%	5632	0.0%	21%	3.0%
2027	322	858	1180	-0.3%	5649	0.0%	21%	3.0%
2028	321	864	1185	-0.2%	5657	0.0%	21%	3.0%
2029	320	872	1192	-0.2%	5671	0.0%	21%	3.0%
2030	319	883	1202	-0.1%	5695	0.1%	21%	3.0%
2031	318	894	1211	-0.1%	5725	0.1%	21%	2.9%
2032	316	903	1219	0.0%	5745	0.1%	21%	2.9%
2033	314	911	1226	0.0%	5766	0.1%	21%	2.9%
2034	313	918	1232	0.0%	5790	0.1%	21%	2.9%
2035	312	925	1236	0.0%	5806	0.1%	21%	2.9%

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) U.S. buildings emissions approximately equal the combined carbon emissions of Japan, France, and the United Kingdom.

Source(s): EIA, Emissions of Greenhouse Gases in the U.S. 1998, Oct. 1999, Tables E1-E2 for 1980-1989 greenhouse gas emissions; 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 2011, July 2011, Table 1.2, p. 14 for carbon coefficients; EIA, AEO 2012 Early Release, Jan. 2012, 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 Feb. 10, 2012 for 1980-2009 global emissions.