

Table 2.2. Useful Thermal Output by Energy Source by Combined Heat and Power Producers, 1999 through 2010

(Billion Btus)	Coal ¹	Petroleum ²	Natural Gas	Other Gases ³	Other Renewables ⁴	Other ⁵	Total
Total Combined Heat and Power							
1999	385,926	125,486	810,918	178,971	744,470	47,871	2,293,642
2000	383,687	108,045	812,036	184,062	763,674	50,459	2,301,963
2001	354,204	90,308	740,979	132,937	584,560	55,162	1,958,151
2002	336,848	72,826	708,738	117,513	571,507	48,264	1,855,697
2003	333,361	85,263	610,122	110,263	632,368	54,960	1,826,335
2004	351,871	97,484	654,242	126,157	667,341	45,456	1,942,550
2005	341,806	92,383	624,008	138,469	664,691	41,400	1,902,757
2006	332,548	78,232	603,288	126,049	689,549	49,308	1,878,973
2007	326,803	76,255	554,394	116,313	651,230	46,822	1,771,816
2008	315,244	47,817	509,330	110,680	610,131	23,729	1,616,931
2009	281,557	52,899	513,002	99,556	546,974	33,287	1,527,276
2010	300,303	41,361	524,494	91,439	581,310	28,755	1,567,662
Combined Heat and Power, Electric Power							
1999	52,061	6,718	145,525	3,548	30,172	28	238,052
2000	53,329	6,610	157,886	5,312	25,661	39	248,837
2001	51,515	6,087	164,206	4,681	12,676	3,343	242,508
2002	40,020	3,869	214,137	5,961	12,550	4,732	281,269
2003	38,249	7,379	200,077	9,282	19,786	3,296	278,068
2004	39,014	8,217	239,416	18,200	17,347	3,822	326,017
2005	39,652	7,809	239,324	36,694	18,240	3,884	345,605
2006	38,133	7,065	207,095	22,567	17,284	4,435	296,579
2007	38,260	7,156	212,705	20,473	19,166	4,459	302,219
2008	37,220	6,832	204,167	22,109	17,052	4,854	292,234
2009	38,015	6,786	190,875	19,830	17,625	5,055	278,187
2010	38,325	5,810	186,772	19,707	17,589	5,040	273,244
Combined Heat and Power, Commercial							
1999	20,479	3,298	36,857	--	17,145	--	77,779
2000	21,001	3,827	39,293	--	17,613	--	81,734
2001	18,495	4,118	34,923	--	8,253	5,770	71,560
2002	18,477	2,743	36,265	--	6,901	4,801	69,188
2003	22,780	2,716	16,955	--	8,297	6,142	56,889
2004	22,450	4,283	21,851	--	8,936	6,350	63,871
2005	22,601	3,684	20,227	--	8,647	5,921	61,081
2006	22,186	2,264	19,370	--	9,359	6,242	59,422
2007	22,595	1,861	20,040	--	6,651	3,983	55,131
2008	22,991	1,999	20,183	--	8,863	6,054	60,091
2009	20,057	1,250	25,902	--	8,450	5,761	61,420
2010	19,216	1,061	29,791	13	7,917	5,333	63,330
Combined Heat and Power, Industrial							
1999	313,386	115,470	628,536	175,423	697,153	47,843	1,977,811
2000	309,357	97,608	614,857	178,750	720,400	50,420	1,971,392
2001	284,194	80,103	541,850	128,256	563,631	46,049	1,644,083
2002	278,351	66,214	458,336	111,552	552,056	38,731	1,505,240
2003	272,332	75,168	393,090	100,981	604,285	45,522	1,491,378
2004	290,407	84,984	392,974	107,956	641,058	35,284	1,552,663
2005	279,552	80,889	364,457	101,775	637,803	31,594	1,496,071
2006	272,229	68,903	376,822	103,481	662,906	38,630	1,522,971
2007	265,948	67,238	321,648	95,840	625,413	38,380	1,414,466
2008	255,032	38,986	284,980	88,571	584,216	12,821	1,264,606
2009	223,485	44,863	296,225	79,726	520,898	22,471	1,187,669
2010	242,762	34,490	307,931	71,719	555,803	18,382	1,231,088

¹ Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

² Distillate fuel oil (all diesel and No. 1, No. 2, and No. 4 fuel oils), residual fuel oil (No. 5 and No. 6 fuel oils and bunker C fuel oil), jet fuel, kerosene, petroleum coke (converted to liquid petroleum, see Technical Notes for conversion methodology) and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ Other renewables represents the summation of the sub-categories of Wind, Solar Thermal and Photovoltaic, Wood and Wood Derived Fuels, Geothermal, and Other Biomass.

⁵ Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

Notes: • The methodology to allocate fuel use by combined heat and power plants to electric power generation and useful thermal output was modified beginning in 2007, and retroactively applied to data from 2004 to 2006. For more information, please see the Technical Notes in the Appendices. • Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor form(s) including U.S. Energy Information Administration, Form EIA-906, "Power Plant Report;" and Form EIA-920, "Combined Heat and Power Plant Report;" Form EIA-860, "Annual Electric Generator Report."