

**Table 8.3c Useful Thermal Output at Combined-Heat-and-Power Plants: Commercial and Industrial Sectors, 1989-2007**  
(Subset of Table 8.3a; Trillion Btu)

Year	Fossil Fuels					Renewable Energy			Other <sup>7</sup>	Total
	Coal <sup>1</sup>	Petroleum <sup>2</sup>	Natural Gas <sup>3</sup>	Other Gases <sup>4</sup>	Total	Biomass		Total		
						Wood <sup>5</sup>	Waste <sup>6</sup>			
<b>Commercial Sector <sup>8</sup></b>										
1989	14	4	10	(s)	27	(s)	10	10	—	38
1990	15	5	16	(s)	36	(s)	10	11	—	46
1991	16	4	21	(s)	41	(s)	9	9	(s)	50
1992	15	4	24	(s)	44	(s)	13	14	(s)	57
1993	18	4	23	(s)	45	(s)	14	14	(s)	59
1994	18	4	26	(s)	48	(s)	14	14	—	62
1995	17	3	29	—	48	(s)	15	15	(s)	63
1996	20	3	33	(s)	55	1	17	18	—	73
1997	22	4	40	(s)	66	1	19	20	—	86
1998	20	5	39	(s)	64	1	18	18	—	82
1999	20	3	37	(s)	61	1	17	17	—	78
2000	21	4	39	(s)	64	1	17	18	—	82
2001	18	4	35	—	58	1	8	8	6	72
2002	18	3	36	—	57	1	6	7	5	69
2003	23	3	17	—	42	1	8	8	6	57
2004	24	4	21	—	49	1	10	10	7	66
2005	21	3	22	—	47	(s)	8	8	5	60
2006	21	R2	R28	R	R50	(s)	8	8	R6	R64
2007 <sup>P</sup>	21	2	28	(s)	51	(s)	8	8	5	65
<b>Industrial Sector <sup>9</sup></b>										
1989	297	84	385	90	856	527	15	542	38	1,437
1990	327	113	443	137	1,019	632	20	652	40	1,711
1991	315	103	444	144	1,005	606	19	625	44	1,674
1992	324	107	466	155	1,052	641	19	660	40	1,752
1993	325	117	475	139	1,055	652	23	675	39	1,769
1994	333	119	501	138	1,092	707	21	729	41	1,862
1995	329	105	540	140	1,114	706	20	726	44	1,884
1996	329	118	557	146	1,150	684	21	705	43	1,897
1997	328	121	541	142	1,132	713	22	735	53	1,920
1998	318	124	601	162	1,206	689	24	713	46	1,965
1999	313	115	629	175	1,233	679	18	697	48	1,978
2000	309	98	615	179	1,201	700	20	720	50	1,971
2001	284	80	542	128	1,034	548	16	564	46	1,644
2002	278	66	458	112	914	537	15	552	39	1,505
2003	272	75	393	101	842	588	16	604	46	1,491
2004	300	91	353	118	862	654	11	665	32	1,560
2005	311	92	305	105	813	689	20	709	33	1,555
2006	R290	R75	R323	R111	R799	R693	R21	R714	R39	R1,551
2007 <sup>P</sup>	299	72	387	123	882	635	21	656	37	1,575

<sup>1</sup> Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

<sup>2</sup> Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

<sup>3</sup> Natural gas, plus a small amount of supplemental gaseous fuels.

<sup>4</sup> Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>5</sup> Wood and wood-derived fuels.

<sup>6</sup> Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

<sup>7</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

<sup>8</sup> Commercial combined-heat-and-power (CHP) plants.

<sup>9</sup> Industrial combined-heat-and-power (CHP) plants.

R=Revised. P=Preliminary. — = No data reported. (s)=Less than 0.5 trillion Btu.

Notes: • See Table 8.3b for electric power sector CHP data. • See Note 1, "Coverage of Electricity Statistics," and Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • See "Useful Thermal Output" in Glossary. • Totals may not equal sum of components due to independent rounding.

Web Page: For related information, see <http://www.eia.doe.gov/fuelelectric.html>.

Sources: • 1989-1997—Energy Information Administration (EIA), Form EIA-867, "Annual Nonutility Power Producer Report." • 1998-2000—EIA, Form EIA-860B, "Annual Electric Generator Report—Nonutility." • 2001-2003—EIA, Form EIA-906, "Power Plant Report." • 2004 forward—EIA, Form EIA-920, "Combined Heat and Power Plant Report."