

Table 10.2c Renewable Energy Consumption: Electric Power Sector
(Trillion Btu)

| | Hydro-electric Power ^a | Geo-thermal ^b | Solar/PV ^c | Wind ^d | Biomass | | | Total |
|--------------------------------------|-----------------------------------|--------------------------|-----------------------|-------------------|-------------------|--------------------|--------------|----------------|
| | | | | | Wood ^e | Waste ^f | Total | |
| 1973 Total | 2,827 | 43 | NA | NA | 1 | 2 | 3 | 2,873 |
| 1975 Total | 3,122 | 70 | NA | NA | (s) | 2 | 2 | 3,194 |
| 1980 Total | 2,867 | 110 | NA | NA | 3 | 2 | 4 | 2,982 |
| 1985 Total | 2,937 | 198 | (s) | (s) | 8 | 7 | 14 | 3,150 |
| 1990 Total ^g | 3,014 | 326 | 4 | 29 | 129 | 188 | 317 | 3,689 |
| 1995 Total | 3,149 | 280 | 5 | 33 | 125 | 296 | 422 | 3,889 |
| 1996 Total | 3,528 | 300 | 5 | 33 | 138 | 300 | 438 | 4,305 |
| 1997 Total | 3,581 | 309 | 5 | 34 | 137 | 309 | 446 | 4,375 |
| 1998 Total | 3,241 | 311 | 5 | 31 | 137 | 308 | 444 | 4,032 |
| 1999 Total | 3,218 | 312 | 5 | 46 | 138 | 315 | 453 | 4,034 |
| 2000 Total | 2,768 | 296 | 5 | 57 | 134 | 318 | 453 | 3,579 |
| 2001 Total | 2,209 | 289 | 6 | 70 | 126 | 211 | 337 | 2,910 |
| 2002 Total | 2,650 | 305 | 6 | 105 | 150 | 230 | 380 | 3,445 |
| 2003 Total | 2,781 | 303 | 5 | 115 | 167 | 230 | 397 | 3,601 |
| 2004 Total | 2,656 | 311 | 6 | 142 | 165 | 223 | 388 | 3,503 |
| 2005 Total | 2,670 | 309 | 6 | 178 | 185 | 221 | 406 | 3,568 |
| 2006 January | 268 | 26 | (s) | 24 | 17 | 20 | 37 | 355 |
| February | 243 | 23 | (s) | 19 | 15 | 18 | 34 | 319 |
| March | 242 | 27 | (s) | 23 | 16 | 19 | 35 | 327 |
| April | 281 | 24 | 1 | 25 | 12 | 17 | 30 | 360 |
| May | 304 | 23 | 1 | 24 | 13 | 19 | 33 | 384 |
| June | 293 | 25 | 1 | 20 | 15 | 19 | 34 | 373 |
| July | 250 | 27 | 1 | 19 | 16 | 20 | 36 | 333 |
| August | 214 | 27 | 1 | 16 | 17 | 20 | 37 | 295 |
| September | 169 | 26 | 1 | 19 | 15 | 19 | 34 | 248 |
| October | 166 | 27 | (s) | 24 | 15 | 19 | 34 | 252 |
| November | 197 | 25 | (s) | 25 | 15 | 20 | 35 | 283 |
| December | 211 | 27 | (s) | 25 | 16 | 20 | 36 | 299 |
| Total | 2,839 | 306 | 5 | 264 | 182 | 231 | 412 | 3,827 |
| 2007 January | R 256 | 27 | (s) | 24 | R 19 | R 20 | R 39 | 347 |
| February | 183 | R 24 | (s) | 25 | R 15 | R 17 | R 32 | R 264 |
| March | R 238 | R 25 | (s) | 30 | 15 | R 20 | R 35 | R 328 |
| April | 235 | 24 | 1 | R 31 | 15 | R 18 | 33 | 325 |
| May | R 257 | R 24 | 1 | R 29 | 14 | 20 | 34 | R 345 |
| June | 225 | 26 | 1 | R 26 | 15 | R 20 | R 35 | R 313 |
| July | R 222 | R 26 | 1 | R 21 | R 16 | 21 | 36 | R 307 |
| August | R 197 | R 26 | 1 | R 27 | 16 | 21 | R 36 | R 287 |
| September | R 145 | 26 | 1 | R 28 | 15 | 20 | 35 | R 235 |
| October | 146 | 27 | (s) | R 33 | R 15 | R 20 | R 35 | R 241 |
| November | R 154 | R 25 | (s) | R 31 | 15 | 21 | 36 | R 246 |
| December | R 180 | 27 | (s) | R 35 | 16 | R 21 | 37 | R 278 |
| Total | R 2,439 | R 308 | 6 | R 342 | R 186 | R 237 | R 423 | R 3,517 |
| 2008 January | 219 | 25 | (s) | 37 | 17 | 19 | 36 | 318 |
| February | 198 | 23 | (s) | 32 | 16 | 17 | 33 | 286 |
| March | 224 | 26 | 1 | 41 | 16 | 20 | 36 | 327 |
| April | 217 | 25 | 1 | 45 | 14 | 19 | 33 | 321 |
| May | 278 | 26 | 1 | 44 | 13 | 20 | 32 | 382 |
| June | 304 | 26 | 1 | 43 | 15 | 20 | 35 | 410 |
| July | 256 | 27 | 1 | 32 | 16 | 20 | 36 | 352 |
| August | 204 | 27 | 1 | 26 | 16 | 20 | 36 | 294 |
| September | 163 | 26 | 1 | 24 | 15 | 18 | 33 | 247 |
| October | 162 | 26 | 1 | 41 | 13 | 18 | 32 | 262 |
| November | 168 | 25 | (s) | 44 | 15 | 19 | 34 | 272 |
| 11-Month Total ... | 2,393 | 282 | 8 | 409 | 166 | 211 | 377 | 3,469 |
| 2007 11-Month Total ... | 2,258 | 281 | 6 | 307 | 170 | 217 | 387 | 3,239 |
| 2006 11-Month Total ... | 2,628 | 279 | 5 | 239 | 166 | 211 | 377 | 3,528 |

^a Conventional hydroelectricity net generation (converted to Btu using the fossil-fueled plants heat rate).

^b Geothermal electricity net generation (converted to Btu using the geothermal energy plants heat rate).

^c Solar thermal and photovoltaic electricity net generation (converted to Btu using the fossil-fueled plants heat rate).

^d Wind electricity net generation (converted to Btu using the fossil-fueled plants heat rate).

^e Wood and wood-derived fuels.

^f 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).

^g Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities and independent power producers.

R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: See <http://www.eia.doe.gov/emeu/mer/renew.html> for all available data beginning in 1973.

Sources: • Biomass: Table 7.4b. • All Other Data: Tables 7.2b and A6.