

**NONRENEWABLE ORGANICS STATISTICS<sup>1</sup>**

**U.S. GEOLOGICAL SURVEY**

[All values in metric tons]

Last modification: November 28, 2012

<b>Year</b>	<b>Asphalt and road oil</b>	<b>Coal</b>	<b>Lubricants</b>	<b>Waxes and oils</b>	<b>Petroleum coke</b>	<b>Oil and gas products</b>	<b>Total nonrenewable organics</b>
1900	9,000	199,000	1,200,000	70,000	5,000	10,000	1,500,000
1901	13,000	219,000	1,250,000	70,000	5,000	10,000	1,600,000
1902	18,900	254,000	1,300,000	70,000	5,000	10,000	1,700,000
1903	41,900	303,000	1,350,000	70,000	5,000	10,000	1,800,000
1904	40,300	261,000	1,400,000	80,000	5,000	10,000	1,800,000
1905	47,500	271,000	1,450,000	80,000	5,000	10,000	1,900,000
1906	59,000	282,000	1,500,000	80,000	5,000	10,000	1,900,000
1907	125,000	259,000	1,550,000	80,000	5,000	10,000	2,000,000
1908	109,000	271,000	1,600,000	80,000	5,000	10,000	2,100,000
1909	118,000	288,000	1,650,000	90,000	5,000	10,000	2,200,000
1910	146,000	317,000	1,700,000	90,000	5,000	10,000	2,300,000
1911	251,000	332,000	1,750,000	90,000	5,000	10,000	2,400,000
1912	376,000	452,000	1,800,000	90,000	5,000	10,000	2,700,000
1913	500,000	551,000	1,850,000	90,000	5,000	10,000	3,000,000
1914	612,000	530,000	1,900,000	100,000	5,000	10,000	3,200,000
1915	955,000	709,000	1,950,000	100,000	5,000	10,000	3,700,000
1916	1,140,000	1,010,000	2,000,000	100,000	5,000	10,000	4,300,000
1917	1,220,000	1,220,000	2,050,000	100,000	5,000	10,000	4,600,000
1918	1,090,000	1,130,000	2,080,000	110,000	5,000	10,000	4,400,000
1919	1,170,000	1,240,000	2,050,000	115,000	5,000	10,000	4,600,000
1920	1,580,000	1,070,000	2,220,000	134,000	5,000	10,000	5,000,000
1921	1,390,000	833,000	1,810,000	149,000	5,000	10,000	4,200,000
1922	1,860,000	1,000,000	2,330,000	157,000	5,000	10,000	5,400,000
1923	2,150,000	1,340,000	2,650,000	172,000	5,000	10,000	6,300,000
1924	2,790,000	1,320,000	2,730,000	201,000	5,000	10,000	7,100,000
1925	2,880,000	1,510,000	3,090,000	225,000	10,000	10,000	7,700,000
1926	2,810,000	1,720,000	3,390,000	243,000	10,000	10,000	8,200,000
1927	3,110,000	1,860,000	3,260,000	271,000	10,000	10,000	8,500,000
1928	3,690,000	2,050,000	3,480,000	294,000	10,000	10,000	9,500,000
1929	3,520,000	2,010,000	3,550,000	296,000	10,000	20,000	9,400,000
1930	3,500,000	1,800,000	3,250,000	296,000	10,000	30,000	8,900,000
1931	3,610,000	1,610,000	3,000,000	318,000	10,000	40,000	8,600,000
1932	3,300,000	1,240,000	2,500,000	326,000	10,000	50,000	7,400,000
1933	3,110,000	1,390,000	2,580,000	379,000	10,000	60,000	7,500,000
1934	3,350,000	1,600,000	2,780,000	350,000	10,000	70,000	8,200,000
1935	3,560,000	1,800,000	2,960,000	240,000	13,000	80,000	8,650,000
1936	4,600,000	2,140,000	3,360,000	275,000	27,000	90,000	10,500,000
1937	4,940,000	2,020,000	3,510,000	288,000	51,200	100,000	10,900,000
1938	5,280,000	2,120,000	3,190,000	250,000	88,700	120,000	11,000,000
1939	5,760,000	2,320,000	3,570,000	299,000	117,000	200,000	12,300,000
1940	5,940,000	1,750,000	3,710,000	413,000	149,000	270,000	12,200,000
1941	7,330,000	2,490,000	4,550,000	494,000	169,000	500,000	15,500,000
1942	7,290,000	2,750,000	4,370,000	770,000	198,000	550,000	15,900,000
1943	6,410,000	2,830,000	4,730,000	887,000	167,000	711,000	15,700,000
1944	6,550,000	2,650,000	4,850,000	922,000	171,000	1,270,000	16,400,000
1945	6,740,000	2,630,000	5,310,000	935,000	315,000	1,500,000	17,400,000
1946	8,120,000	2,350,000	5,250,000	745,000	365,000	1,600,000	18,400,000
1947	9,290,000	2,590,000	5,490,000	652,000	307,000	1,420,000	19,700,000
1948	9,550,000	2,580,000	5,410,000	763,000	358,000	1,780,000	20,400,000
1949	9,450,000	2,350,000	4,980,000	572,000	545,000	2,260,000	20,200,000

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**U.S. GEOLOGICAL SURVEY**

[All values in metric tons]

Last modification: November 28, 2012

<b>Year</b>	<b>Asphalt and road oil</b>	<b>Coal</b>	<b>Lubricants</b>	<b>Waxes and oils</b>	<b>Petroleum coke</b>	<b>Oil and gas products</b>	<b>Total nonrenewable organics</b>
1950	10,800,000	2,750,000	5,840,000	725,000	668,000	2,980,000	23,800,000
1951	11,900,000	2,830,000	6,360,000	882,000	650,000	3,910,000	26,500,000
1952	12,900,000	2,430,000	5,740,000	945,000	618,000	3,570,000	26,200,000
1953	13,000,000	2,870,000	6,090,000	1,130,000	890,000	5,060,000	29,000,000
1954	13,800,000	2,280,000	5,800,000	1,250,000	1,300,000	6,100,000	30,500,000
1955	15,300,000	2,610,000	6,390,000	1,450,000	965,000	7,350,000	34,100,000
1956	16,400,000	2,710,000	6,610,000	1,580,000	1,460,000	8,130,000	36,900,000
1957	15,900,000	2,840,000	6,200,000	1,690,000	1,670,000	8,210,000	36,500,000
1958	16,900,000	2,190,000	5,940,000	1,880,000	2,320,000	9,490,000	38,700,000
1959	17,900,000	2,150,000	6,450,000	2,230,000	2,380,000	11,100,000	42,200,000
1960	18,300,000	2,200,000	6,420,000	2,360,000	2,440,000	11,900,000	43,600,000
1961	18,700,000	2,070,000	6,250,000	2,570,000	2,950,000	13,000,000	45,500,000
1962	20,000,000	2,000,000	6,560,000	2,710,000	3,080,000	15,000,000	49,400,000
1963	20,500,000	1,930,000	6,560,000	2,850,000	2,760,000	15,900,000	50,500,000
1964	20,900,000	2,240,000	6,890,000	2,680,000	2,710,000	18,100,000	53,500,000
1965	22,100,000	2,450,000	7,090,000	2,660,000	3,120,000	20,200,000	57,600,000
1966	23,300,000	2,400,000	7,360,000	2,820,000	3,060,000	22,900,000	61,800,000
1967	22,800,000	2,320,000	6,640,000	2,530,000	3,390,000	24,700,000	62,400,000
1968	24,500,000	2,380,000	7,290,000	2,970,000	3,350,000	28,200,000	68,700,000
1969	25,100,000	2,480,000	7,340,000	2,850,000	3,690,000	32,400,000	73,900,000
1970	26,900,000	2,420,000	7,470,000	2,610,000	4,000,000	35,400,000	78,800,000
1971	27,600,000	2,140,000	7,420,000	2,700,000	4,000,000	36,800,000	80,700,000
1972	28,100,000	2,190,000	7,970,000	2,770,000	4,000,000	39,400,000	84,400,000
1973	31,400,000	2,190,000	8,870,000	3,470,000	4,330,000	41,400,000	91,700,000
1974	29,000,000	2,180,000	8,530,000	4,180,000	3,980,000	42,800,000	90,700,000
1975	25,200,000	1,890,000	7,520,000	5,210,000	4,140,000	35,500,000	79,500,000
1976	24,900,000	1,910,000	8,420,000	7,360,000	4,260,000	41,800,000	88,700,000
1977	26,100,000	2,100,000	8,720,000	8,070,000	5,650,000	45,900,000	96,500,000
1978	28,500,000	2,100,000	9,470,000	7,110,000	4,640,000	46,800,000	98,600,000
1979	28,500,000	2,400,000	9,920,000	6,640,000	3,530,000	54,700,000	106,000,000
1980	23,900,000	2,180,000	8,290,000	7,210,000	2,540,000	67,400,000	112,000,000
1981	20,600,000	1,900,000	8,000,000	6,720,000	2,720,000	59,200,000	99,200,000
1982	20,600,000	1,270,000	7,290,000	5,970,000	2,720,000	52,800,000	90,700,000
1983	22,400,000	1,090,000	7,570,000	5,600,000	2,540,000	53,200,000	92,500,000
1984	24,800,000	1,360,000	8,140,000	5,100,000	2,720,000	54,200,000	96,300,000
1985	25,700,000	998,000	7,570,000	5,100,000	2,900,000	54,700,000	97,000,000
1986	27,100,000	635,000	7,430,000	4,730,000	2,900,000	55,800,000	98,500,000
1987	28,100,000	726,000	8,430,000	4,480,000	3,270,000	61,500,000	106,000,000
1988	28,200,000	635,000	8,140,000	4,980,000	3,450,000	63,600,000	109,000,000
1989	27,200,000	544,000	8,290,000	4,850,000	3,450,000	64,200,000	109,000,000
1990	29,000,000	544,000	8,570,000	4,850,000	3,630,000	69,700,000	116,000,000
1991	26,700,000	544,000	7,570,000	5,470,000	3,090,000	74,500,000	118,000,000
1992	27,400,000	1,090,000	7,710,000	4,350,000	5,080,000	78,700,000	124,000,000
1993	28,700,000	816,000	7,860,000	4,350,000	3,270,000	78,600,000	124,000,000
1994	29,000,000	816,000	8,290,000	4,350,000	3,810,000	83,600,000	130,000,000
1995	29,400,000	816,000	8,140,000	4,100,000	3,630,000	82,400,000	128,000,000
1996	29,200,000	816,000	7,860,000	4,100,000	3,630,000	85,100,000	131,000,000
1997	30,400,000	816,000	8,290,000	4,230,000	2,720,000	89,500,000	136,000,000
1998	31,400,000	726,000	8,710,000	4,850,000	4,540,000	89,500,000	140,000,000
1999	33,000,000	726,000	8,860,000	4,600,000	6,530,000	95,300,000	149,000,000

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**U.S. GEOLOGICAL SURVEY**

[All values in metric tons]

Last modification: November 28, 2012

<b>Year</b>	<b>Asphalt and road oil</b>	<b>Coal</b>	<b>Lubricants</b>	<b>Waxes and oils</b>	<b>Petroleum coke</b>	<b>Oil and gas products</b>	<b>Total nonrenewable organics</b>
2000	31,700,000	726,000	8,710,000	4,730,000	2,900,000	92,500,000	141,000,000
2001	31,200,000	635,000	8,000,000	4,850,000	5,260,000	83,400,000	133,000,000
2002	30,900,000	635,000	7,860,000	4,730,000	4,360,000	88,200,000	137,000,000
2003	30,400,000	635,000	7,290,000	4,480,000	3,630,000	87,300,000	134,000,000
2004	32,300,000	635,000	7,430,000	4,230,000	6,530,000	92,500,000	144,000,000
2005	32,800,000	635,000	7,290,000	4,230,000	5,630,000	85,600,000	136,000,000
2006	31,400,000	544,000	6,000,000	5,100,000	6,350,000	86,400,000	136,000,000
2007	29,700,000	544,000	7,430,000	4,980,000	5,990,000	84,200,000	133,000,000
2008	25,100,000	544,000	6,860,000	5,100,000	6,720,000	76,900,000	121,000,000
2009	21,800,000	363,000	6,140,000	5,100,000	5,440,000	77,100,000	116,000,000
2010	21,800,000	544,000	6,860,000	5,350,000	1,810,000	82,200,000	119,000,000
2011	21,500,000	544,000	6,570,000	5,470,000	2,000,000	80,400,000	116,000,000

<sup>1</sup>Compiled by T.D. Kelly (retired) and G. Matos.

Data are estimated, calculated, or reported. See notes for more information.

## Nonrenewable Organics Worksheet Notes

### Data Sources

Sources of data for the nonrenewable organics worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB) and its predecessor, Mineral Resources of the United States (MR); the U.S. International Trade Commission publication, Synthetic Organic Chemicals (SOC); and the U.S. Department of Energy publication, Annual Energy Review (AER). All data are estimates of U.S. apparent consumption of fossil fuels used for nonfuel purposes.

### Asphalt and Road Oil

For 1900–01, estimates from Consumption of materials in the United States, 1900–1995 (Matos and Wagner, 1998) are used. Asphalt and road oil data for 1902–79 are from the MR and the MYB. For 1980–2009, data are from the AER.

### Coal

For 1900–17 estimates from Consumption of materials in the United States, 1900–1995 (Matos and Wagner, 1998) are used. Coal chemicals data are for 1918–79 from the MR and the MYB. For 1980–2009, coal data are from the AER.

### Lubricants

For 1900–17, estimates from Consumption of materials in the United States, 1900–1995 (Matos and Wagner, 1998) are used. Lubricant data for 1918–79 are from the MR and MYB. For 1980 to the most recent year, lubricant data are from the AER.

### Waxes and Oils

For 1900–17, estimates from Consumption of materials in the United States, 1900–1995 (Matos and Wagner, 1998) are used. Miscellaneous oils and waxes data are from the MR and MYB for 1918–79. For 1980 to the most recent year, the category, Other, data consisting of distillate fuel oil, residual fuel oil, waxes, and miscellaneous products are from the AER.

### Petroleum Coke

For 1900–34 estimates from Consumption of materials in the United States, 1900–1995 (Matos and Wagner, 1998) are used. For 1935–79, data are from the MYB. A declining factor was used to estimate petroleum coke for nonfuel uses (Matos and Wagner, 1998). For 1980 to the most recent year, Petroleum Coke data are from the AER.

### Oil and Gas Products

For 1900–34 estimates from Consumption of materials in the United States, 1900–1995 (Matos and Wagner, 1998) are used. For 1934–79, the categories Natural gas for carbon black, plastic resins, and synthetic rubber data are (and summed) from SOC. For 1980 to the most recent year, the AER categories: liquefied petroleum gases, natural gas, pentanes plus, petrochemical feedstock, and special naphthas are combined to estimate oil and gas products.

### Total Nonrenewable Organics

Total nonrenewable organics data are the sum of all categories listed above.

### References

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U.S. Geological Survey, [year of last update, e.g., 2005], [Mineral commodity, e.g., Gold] statistics, in Kelly, T.D., and Matos, G.R., comps., Historical statistics for mineral and material commodities in the United States: U.S. Geological Survey Data Series 140, available online at <http://pubs.usgs.gov/ds/2005/140/>. (Accessed [date].)

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