

**Quantities of TRI Chemicals in Waste, 2006**

Waste Management Activity	2006	
	Pounds	Percent
<b>Quantity Recycled</b>	<b>8,838,414,805</b>	<b>36.3</b>
Quantity Recycled On-site	6,656,454,581	27.3
Quantity Recycled Off-site	2,181,960,224	9.0
<b>Quantity Used for Energy Recovery</b>	<b>3,151,558,208</b>	<b>12.9</b>
Quantity Used for Energy Recovery On-site	2,604,526,812	10.7
Quantity Used for Energy Recovery Off-site	547,031,396	2.2
<b>Quantity Treated</b>	<b>7,973,719,432</b>	<b>32.7</b>
Quantity Treated On-site	7,425,550,140	30.5
Quantity Treated Off-site	548,169,292	2.2
<b>Total Quantity Disposed of or Otherwise Released</b>	<b>4,404,511,045</b>	<b>18.1</b>
Total On-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	605,121,211	2.5
Total Other On-site Disposal or Other Releases	3,115,601,670	12.8
Total Off-site Disposal to Class I Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills	434,153,980	1.8
Total Other Off-site Disposal or Other Releases	249,634,184	1.0
<b>Total Production-related Waste Managed</b>	<b>24,368,203,490</b>	<b>100.0</b>
Non-production-related Waste Managed	18,244,000	

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R Section 8.

**The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2006: All Industries**

<b>CAS Number Chemname</b>	<b>Quantity Recycled On-site Pounds</b>	<b>Quantity Recycled Off-site Pounds</b>	<b>Total Quantity Recycled On-site and Off-site Pounds</b>
108-88-3 Toluene	942,048,269	26,196,890	968,245,159
7440-50-8 Copper	259,919,327	553,848,963	813,768,291
67-56-1 Methanol	617,026,579	11,067,563	628,094,142
-- Lead compounds	258,901,613	270,817,053	529,718,665
98-82-8 Cumene	458,389,311	2,625,939	461,015,250
-- Zinc compounds	71,754,087	340,672,039	412,426,126
110-54-3 n-Hexane	350,274,998	3,110,947	353,385,945
107-21-1 Ethylene glycol	276,141,520	60,206,152	336,347,672
-- Copper compounds	124,550,428	171,594,172	296,144,600
76-13-1 Freon 113	291,292,133	0	291,292,133
7782-50-5 Chlorine	274,417,526	303,789	274,721,315
107-06-2 1,2-Dichloroethane	252,189,491	2,591,818	254,781,309
107-13-1 Acrylonitrile	198,289,635	8,000	198,297,635
1330-20-7 Xylene (mixed isomers)	150,817,875	26,506,134	177,324,009
7664-41-7 Ammonia	154,742,204	1,766,362	156,508,566
7439-96-5 Manganese	21,479,109	120,328,071	141,807,180
7439-92-1 Lead	68,962,479	71,019,599	139,982,078
79-01-6 Trichloroethylene	137,873,537	2,001,603	139,875,140
75-09-2 Dichloromethane	111,749,438	17,024,316	128,773,754
75-01-4 Vinyl chloride	120,018,848	580	120,019,428
<b>Subtotal for Top 20 Chemicals</b>	<b>5,140,838,407</b>	<b>1,681,689,991</b>	<b>6,822,528,399</b>
<b>Total for all TRI Chemicals</b>	<b>6,656,454,581</b>	<b>2,181,960,224</b>	<b>8,838,414,805</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

**The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2006: Manufacturing\* Industries**

<b>CAS Number Chemname</b>	<b>Quantity Recycled On-site Pounds</b>	<b>Quantity Recycled Off-site Pounds</b>	<b>Total Quantity Recycled On-site and Off-site Pounds</b>
108-88-3 Toluene	925,395,598	25,750,510	951,146,108
7440-50-8 Copper	259,665,450	551,723,083	811,388,534
67-56-1 Methanol	614,672,151	10,766,368	625,438,519
-- Lead compounds	256,080,053	215,425,200	471,505,253
98-82-8 Cumene	458,385,888	2,624,942	461,010,830
-- Zinc compounds	63,854,030	339,163,764	403,017,794
110-54-3 n-Hexane	349,004,394	2,991,117	351,995,512
107-21-1 Ethylene glycol	265,680,407	44,692,575	310,372,982
76-13-1 Freon 113	291,292,133	0	291,292,133
-- Copper compounds	123,693,847	153,687,819	277,381,666
7782-50-5 Chlorine	270,945,367	85,681	271,031,048
107-06-2 1,2-Dichloroethane	252,189,491	2,591,818	254,781,309
107-13-1 Acrylonitrile	198,289,635	8,000	198,297,635
1330-20-7 Xylene (mixed isomers)	135,335,201	26,115,501	161,450,702
7664-41-7 Ammonia	149,241,051	1,627,514	150,868,565
7439-96-5 Manganese	21,479,109	120,237,171	141,716,280
79-01-6 Trichloroethylene	136,583,383	1,905,758	138,489,141
7439-92-1 Lead	67,749,496	70,735,745	138,485,240
75-01-4 Vinyl chloride	120,018,848	580	120,019,428
74-85-1 Ethylene	118,811,880	154	118,812,034
<b>Subtotal for Top 20 Chemicals</b>	<b>5,078,367,412</b>	<b>1,570,133,301</b>	<b>6,648,500,714</b>
<b>Total for all TRI Chemicals</b>	<b>6,542,191,531</b>	<b>2,069,729,442</b>	<b>8,611,920,973</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

\* Manufacturing industries include NAICS codes 31-33 and "no codes" category.

**The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2006: Chemicals (NAICS 325)**

<b>CAS Number Chemname</b>	<b>Quantity Recycled On-site Pounds</b>	<b>Quantity Recycled Off-site Pounds</b>	<b>Total Quantity Recycled On-site and Off-site Pounds</b>
108-88-3 Toluene	653,214,922	11,424,242	664,639,164
67-56-1 Methanol	606,742,951	9,255,721	615,998,673
98-82-8 Cumene	458,313,802	2,557,666	460,871,468
76-13-1 Freon 113	291,292,133	0	291,292,133
107-21-1 Ethylene glycol	248,934,914	12,222,241	261,157,155
107-06-2 1,2-Dichloroethane	252,189,490	2,591,818	254,781,308
107-13-1 Acrylonitrile	198,289,635	8,000	198,297,635
7664-41-7 Ammonia	128,938,364	418,357	129,356,721
75-01-4 Vinyl chloride	120,018,848	580	120,019,428
74-85-1 Ethylene	118,786,631	0	118,786,631
75-65-0 tert-Butyl alcohol	110,499,464	6,522	110,505,986
1330-20-7 Xylene (mixed isomers)	90,061,926	15,178,296	105,240,221
75-09-2 Dichloromethane	89,695,830	15,486,576	105,182,406
-- Glycol ethers	85,584,252	1,235,530	86,819,782
-- Nitrate compounds	61,697,385	340,883	62,038,268
115-07-1 Propylene	53,950,428	0	53,950,428
71-43-2 Benzene	50,928,978	934,377	51,863,355
50-00-0 Formaldehyde	51,644,324	4,861	51,649,185
108-95-2 Phenol	50,268,039	198,124	50,466,163
79-00-5 1,1,2-Trichloroethane	45,627,957	4,107,317	49,735,274
<b>Subtotal for Top 20 Chemicals</b>	<b>3,766,680,274</b>	<b>75,971,111</b>	<b>3,842,651,385</b>
<b>Total for all TRI Chemicals</b>	<b>4,213,078,628</b>	<b>144,297,121</b>	<b>4,357,375,749</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

**The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2006: Primary Metals (NAICS 331)**

<b>CAS Number Chemname</b>	<b>Quantity Recycled On-site Pounds</b>	<b>Quantity Recycled Off-site Pounds</b>	<b>Total Quantity Recycled On-site and Off-site Pounds</b>
7440-50-8 Copper	239,356,613	205,051,803	444,408,416
-- Zinc compounds	54,829,458	267,359,946	322,189,404
7782-50-5 Chlorine	228,784,514	5,816	228,790,330
-- Copper compounds	110,196,315	84,844,382	195,040,698
-- Lead compounds	116,400,000	50,883,334	167,283,333
-- Chromium compounds	69,483,239	16,775,425	86,258,664
7550-45-0 Titanium tetrachloride	83,107,340	0	83,107,340
7439-92-1 Lead	46,757,930	29,380,450	76,138,380
-- Manganese compounds	34,177,955	41,764,036	75,941,991
79-01-6 Trichloroethylene	48,315,407	283,256	48,598,663
-- Nickel compounds	31,269,176	10,760,125	42,029,301
7439-96-5 Manganese	20,418,663	20,028,259	40,446,922
7440-66-6 Zinc (fume or dust)	932,974	29,185,899	30,118,873
7440-47-3 Chromium	4,717,540	15,701,122	20,418,662
7440-02-0 Nickel	7,015,591	13,065,396	20,080,987
108-10-1 Methyl isobutyl ketone	17,510,000	1,000	17,511,000
7664-39-3 Hydrogen fluoride	16,660,378	25,042	16,685,420
7697-37-2 Nitric acid	14,521,616	266,125	14,787,741
7647-01-0 Hydrochloric acid	14,098,385	549,169	14,647,554
7429-90-5 Aluminum (fume or dust)	1,768,360	9,117,538	10,885,898
<b>Subtotal for Top 20 Chemicals</b>	<b>1,160,321,453</b>	<b>795,048,124</b>	<b>1,955,369,577</b>
<b>Total for all TRI Chemicals</b>	<b>1,186,941,156</b>	<b>802,617,635</b>	<b>1,989,558,791</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

**The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2006: Paper Products (NAICS 322)**

<b>CAS Number Chemname</b>	<b>Quantity Recycled On-site Pounds</b>	<b>Quantity Recycled Off-site Pounds</b>	<b>Total Quantity Recycled On-site and Off-site Pounds</b>
108-88-3 Toluene	44,741,434	2,062,469	46,803,903
110-54-3 n-Hexane	4,518,178	119,075	4,637,253
872-50-4 N-Methyl-2-pyrrolidone	59,061	668,173	727,234
110-82-7 Cyclohexane	577,000	0	577,000
107-21-1 Ethylene glycol	0	299,002	299,002
0049-04-4 Chlorine dioxide	261,805	0	261,805
-- Manganese compounds	0	208,341	208,341
7782-50-5 Chlorine	206,188	0	206,188
7429-90-5 Aluminum (fume or dust)	0	140,560	140,560
-- Barium compounds	0	136,550	136,550
67-56-1 Methanol	107,111	2,428	109,539
-- Nickel compounds	0	84,719	84,719
1330-20-7 Xylene (mixed isomers)	31,278	30,178	61,456
-- Lead compounds	0	42,226	42,226
-- Zinc compounds	22,312	17,674	39,986
-- Vanadium compounds	0	20,408	20,408
7440-50-8 Copper	0	17,625	17,625
7440-02-0 Nickel	0	17,206	17,206
-- Copper compounds	1,305	12,753	14,058
108-05-4 Vinyl acetate	10,587	2,796	13,383
<b>Subtotal for Top 20 Chemicals</b>	<b>50,536,259</b>	<b>3,882,183</b>	<b>54,418,442</b>
<b>Total for all TRI Chemicals</b>	<b>50,560,904</b>	<b>3,900,341</b>	<b>54,461,245</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

**The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2006: Petroleum (NAICS 324)**

<b>CAS Number Chemname</b>	<b>Quantity Recycled On-site Pounds</b>	<b>Quantity Recycled Off-site Pounds</b>	<b>Total Quantity Recycled On-site and Off-site Pounds</b>
1330-20-7 Xylene (mixed isomers)	32,433,395	145,850	32,579,245
107-21-1 Ethylene glycol	14,664,993	17,474,488	32,139,481
91-20-3 Naphthalene	9,451,323	28,529	9,479,852
108-88-3 Toluene	8,844,968	343,587	9,188,555
110-54-3 n-Hexane	8,324,776	700,047	9,024,823
71-43-2 Benzene	5,455,183	93,454	5,548,637
100-41-4 Ethylbenzene	4,852,500	22,006	4,874,506
95-63-6 1,2,4-Trimethylbenzene	4,370,117	24,505	4,394,622
110-82-7 Cyclohexane	3,670,212	2,916	3,673,128
-- Nickel compounds	17,458	2,762,172	2,779,630
1313-27-5 Molybdenum trioxide	0	2,418,761	2,418,761
-- Vanadium compounds	0	900,421	900,421
7664-41-7 Ammonia	871,180	8,561	879,741
100-42-5 Styrene	868,771	0	868,771
108-95-2 Phenol	22,934	755,079	778,013
1634-04-4 Methyl tert-butyl ether	769,804	259	770,063
-- Zinc compounds	13,898	747,253	761,151
1319-77-3 Cresol (mixed isomers)	309,259	345,432	654,691
-- Cobalt compounds	383	619,506	619,889
-- Copper compounds	26,151	451,284	477,435
<b>Subtotal for Top 20 Chemicals</b>	<b>94,967,305</b>	<b>27,844,110</b>	<b>122,811,415</b>
<b>Total for all TRI Chemicals</b>	<b>94,967,305</b>	<b>27,844,110</b>	<b>122,811,415</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

**The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2006: Metal Mining (NAICS 2122)**

<b>CAS Number Chemname</b>	<b>Quantity Recycled On-site Pounds</b>	<b>Quantity Recycled Off-site Pounds</b>	<b>Total Quantity Recycled On-site and Off-site Pounds</b>
-- Copper compounds	854,011	17,150,039	18,004,050
-- Zinc compounds	7,891,973	671,654	8,563,627
7664-41-7 Ammonia	5,456,160	0	5,456,160
-- Lead compounds	2,819,042	1,453,438	4,272,480
-- Nitrate compounds	3,647,891	0	3,647,891
-- Cyanide compounds	2,014,620	0	2,014,620
-- Manganese compounds	417,539	31,838	449,377
-- Nickel compounds	341,001	39,353	380,354
-- Cadmium compounds	324,786	2,873	327,659
7440-50-8 Copper	253,877	1,624	255,501
-- Vanadium compounds	237,900	0	237,900
7440-47-3 Chromium	0	138,309	138,309
107-21-1 Ethylene glycol	0	131,862	131,862
7439-96-5 Manganese	0	90,900	90,900
-- Mercury compounds	68,717	11,388	80,104
-- Arsenic compounds	63,523	6,304	69,827
7439-92-1 Lead	0	66,746	66,746
-- Cobalt compounds	51,122	1,905	53,027
-- Antimony compounds	26,418	17,035	43,453
-- Selenium compounds	42,660	0	42,660
<b>Subtotal for Top 20 Chemicals</b>	<b>24,511,240</b>	<b>19,815,268</b>	<b>44,326,507</b>
<b>Total for all TRI Chemicals</b>	<b>24,527,120</b>	<b>19,873,059</b>	<b>44,400,178</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

**The Chemicals with Largest Total Recycling On-site and Off-site, 2006: Coal Mining (NAICS 2121)**

<b>CAS Number Chemname</b>	<b>Quantity Recycled On-site Pounds</b>	<b>Quantity Recycled Off-site Pounds</b>	<b>Total Quantity Recycled On-site and Off-site Pounds</b>
7664-41-7 Ammonia	43,921	0	43,921
-- Chromium compounds	0	1,800	1,800
-- Nickel compounds	0	1,400	1,400
-- Cobalt compounds	0	800	800
107-21-1 Ethylene glycol	0	750	750
-- Zinc compounds	0	600	600
-- Manganese compounds	0	400	400
<b>Total for all TRI Chemicals</b>	<b>43,921</b>	<b>5,750</b>	<b>49,671</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

**The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2006: Electric Utilities (NAICS 2211)**

<b>CAS Number Chemname</b>	<b>Quantity Recycled On-site Pounds</b>	<b>Quantity Recycled Off-site Pounds</b>	<b>Total Quantity Recycled On-site and Off-site Pounds</b>
7440-62-2 Vanadium (except when contained in an alloy)	0	5,068,962	5,068,962
-- Chromium compounds	18,267	1,643,230	1,661,497
-- Nickel compounds	0	1,036,279	1,036,279
-- Manganese compounds	40,384	980,517	1,020,901
-- Mixtures and other trade name products	0	1,018,066	1,018,066
-- Barium compounds	6,130	999,768	1,005,898
-- Zinc compounds	8,084	701,904	709,988
-- Copper compounds	0	548,754	548,754
7440-39-3 Barium	0	474,235	474,235
-- Vanadium compounds	0	445,564	445,564
7440-50-8 Copper	0	256,818	256,818
7782-50-5 Chlorine	1,087	210,810	211,897
107-21-1 Ethylene glycol	0	192,561	192,561
-- Lead compounds	2,518	116,907	119,425
-- Arsenic compounds	0	46,945	46,945
7440-02-0 Nickel	0	35,713	35,713
-- Antimony compounds	0	34,371	34,371
-- Thallium compounds	0	20,500	20,500
-- Cobalt compounds	0	19,320	19,320
-- Beryllium compounds	0	7,735	7,735
<b>Subtotal for Top 20 Chemicals</b>	<b>76,470</b>	<b>13,858,958</b>	<b>13,935,428</b>
<b>Total for all TRI Chemicals</b>	<b>76,470</b>	<b>13,874,405</b>	<b>13,950,875</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

**The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2006: Chemical Wholesale Distributors (NAICS 4246)**

<b>CAS Number Chemname</b>	<b>Quantity Recycled On-site Pounds</b>	<b>Quantity Recycled Off-site Pounds</b>	<b>Total Quantity Recycled On-site and Off-site Pounds</b>
1330-20-7 Xylene (mixed isomers)	5,519,128	147,827	5,666,955
108-88-3 Toluene	1,749,247	198,357	1,947,604
108-10-1 Methyl isobutyl ketone	1,356,061	192,011	1,548,072
7782-50-5 Chlorine	1,264,327	0	1,264,327
75-09-2 Dichloromethane	912,995	105,340	1,018,335
67-56-1 Methanol	458,353	272,701	731,054
71-36-3 n-Butyl alcohol	482,745	51,084	533,829
121-44-8 Triethylamine	240,641	0	240,641
7664-41-7 Ammonia	1,072	138,762	139,834
-- Glycol ethers	10,401	96,663	107,064
79-01-6 Trichloroethylene	52	91,203	91,255
95-63-6 1,2,4-Trimethylbenzene	33,840	44,486	78,326
68-12-2 N,N-Dimethylformamide	74,671	0	74,671
76-14-2 Dichlorotetrafluoroethane (CFC-114)	74,135	0	74,135
100-41-4 Ethylbenzene	9,127	28,668	37,795
127-18-4 Tetrachloroethylene	1,381	25,651	27,032
-- Zinc compounds	0	23,366	23,366
100-42-5 Styrene	0	21,547	21,547
75-71-8 Dichlorodifluoromethane (CFC-12)	20,400	0	20,400
107-21-1 Ethylene glycol	3,923	10,941	14,864
<b>Subtotal for Top 20 Chemicals</b>	<b>12,212,499</b>	<b>1,448,607</b>	<b>13,661,106</b>
<b>Total for all TRI Chemicals</b>	<b>12,251,876</b>	<b>1,448,900</b>	<b>13,700,776</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

**The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2006: Petroleum Terminals/Bulk Storage (NAICS 4247)**

CAS Number Chemname	Quantity Recycled	Quantity Recycled	Total Quantity
	On-site Pounds	Off-site Pounds	Recycled On-site and Off-site Pounds
108-88-3 Toluene	959,337	221,506	1,180,843
1330-20-7 Xylene (mixed isomers)	745,511	218,439	963,951
110-54-3 n-Hexane	488,556	106,756	595,312
71-43-2 Benzene	204,745	67,351	272,096
1634-04-4 Methyl tert-butyl ether	134,231	120,737	254,969
95-63-6 1,2,4-Trimethylbenzene	106,734	113,376	220,110
100-41-4 Ethylbenzene	115,728	96,219	211,947
107-21-1 Ethylene glycol	0	195,687	195,687
91-20-3 Naphthalene	20,641	162,939	183,579
110-82-7 Cyclohexane	96,288	32,576	128,864
100-42-5 Styrene	30,024	34	30,058
-- Zinc compounds	0	6,483	6,483
-- Polycyclic aromatic compounds	207	6,267	6,474
98-82-8 Cumene	1,179	991	2,170
75-65-0 tert-Butyl alcohol	0	1,021	1,021
67-56-1 Methanol	0	326	326
191-24-2 Benzo(g,h,i)perylene	105	167	272
71-36-3 n-Butyl alcohol	0	196	196
-- Lead compounds	0	181	181
115-07-1 Propylene	150	0	150
<b>Subtotal for Top 20 Chemicals</b>	<b>2,903,436</b>	<b>1,351,251</b>	<b>4,254,686</b>
<b>Total for all TRI Chemicals</b>	<b>2,903,436</b>	<b>1,351,693</b>	<b>4,255,129</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

**The 20 Chemicals with Largest Total Recycling On-site and Off-site, 2006: Hazardous Waste/Solvent Recovery (NAICS 562)**

<b>CAS Number Chemname</b>	<b>Quantity Recycled On-site Pounds</b>	<b>Quantity Recycled Off-site Pounds</b>	<b>Total Quantity Recycled On-site and Off-site Pounds</b>
-- Lead compounds	0	53,821,288	53,821,288
107-21-1 Ethylene glycol	10,457,190	14,981,776	25,438,967
108-88-3 Toluene	13,944,087	26,517	13,970,604
75-09-2 Dichloromethane	10,646,155	536,334	11,182,490
872-50-4 N-Methyl-2-pyrrolidone	9,314,304	165,739	9,480,043
1330-20-7 Xylene (mixed isomers)	9,218,034	24,308	9,242,342
127-18-4 Tetrachloroethylene	7,943,524	875,627	8,819,151
108-10-1 Methyl isobutyl ketone	2,404,292	623	2,404,915
7782-50-5 Chlorine	2,206,745	0	2,206,745
67-56-1 Methanol	1,896,075	28,168	1,924,243
7440-50-8 Copper	0	1,867,306	1,867,306
7439-92-1 Lead	1,212,983	215,281	1,428,264
79-01-6 Trichloroethylene	1,290,102	4,642	1,294,744
7440-36-0 Antimony	0	822,528	822,528
71-36-3 n-Butyl alcohol	817,059	324	817,383
110-54-3 n-Hexane	768,345	13,070	781,415
75-45-6 Chlorodifluoromethane (HCFC-22)	657,042	0	657,042
-- Nickel compounds	7,107	646,121	653,228
-- Glycol ethers	469,379	40,387	509,766
7440-02-0 Nickel	0	508,830	508,830
<b>Subtotal for Top 20 Chemicals</b>	<b>73,252,425</b>	<b>74,578,870</b>	<b>147,831,295</b>
<b>Total for all TRI Chemicals</b>	<b>74,460,227</b>	<b>75,676,975</b>	<b>150,137,202</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.4, Column B (Recycled on-site) and Section 8.5, Column B (Recycled off-site).

**The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: All Industries**

<b>CAS Number Chemname</b>	<b>Quantity Used for Energy Recovery On-site Pounds</b>	<b>Quantity Used for Energy Recovery Off-site Pounds</b>	<b>Total Quantity Used for Energy Recovery On-site and Off-site Pounds</b>
115-07-1 Propylene	536,256,362	77	536,256,439
67-56-1 Methanol	347,118,850	115,174,089	462,292,938
74-85-1 Ethylene	392,230,098	20,968,498	413,198,596
108-88-3 Toluene	125,333,449	100,603,987	225,937,435
1330-20-7 Xylene (mixed isomers)	78,016,297	85,311,847	163,328,144
7664-41-7 Ammonia	146,043,280	80,900	146,124,180
7664-93-9 Sulfuric acid	103,809,566	212,704	104,022,270
107-21-1 Ethylene glycol	76,461,942	12,186,067	88,648,009
110-54-3 n-Hexane	47,327,603	19,469,295	66,796,898
100-42-5 Styrene	43,933,175	16,414,710	60,347,885
71-43-2 Benzene	48,720,208	1,489,490	50,209,697
107-06-2 1,2-Dichloroethane	44,422,996	237,466	44,660,462
100-41-4 Ethylbenzene	29,490,887	12,436,936	41,927,823
71-36-3 n-Butyl alcohol	27,936,478	12,258,159	40,194,636
75-56-9 Propylene oxide	37,112,723	1,522,010	38,634,733
75-65-0 tert-Butyl alcohol	29,772,596	7,089,190	36,861,786
75-00-3 Chloroethane	35,910,928	6,057	35,916,985
98-86-2 Acetophenone	35,131,209	421,782	35,552,991
-- Glycol ethers	12,900,476	16,669,259	29,569,735
110-82-7 Cyclohexane	25,702,569	3,654,888	29,357,457
<b>Subtotal for Top 20 Chemicals</b>	<b>2,223,631,691</b>	<b>426,207,411</b>	<b>2,649,839,101</b>
<b>Total for all TRI Chemicals</b>	<b>2,604,526,812</b>	<b>547,031,396</b>	<b>3,151,558,208</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

**The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: Manufacturing\* Industries**

<b>CAS Number Chemname</b>	<b>Quantity Used for Energy Recovery On-site Pounds</b>	<b>Quantity Used for Energy Recovery Off-site Pounds</b>	<b>Total Quantity Used for Energy Recovery On-site and Off-site Pounds</b>
115-07-1 Propylene	536,066,362	77	536,066,439
67-56-1 Methanol	346,697,652	100,726,344	447,423,996
74-85-1 Ethylene	387,380,712	20,968,498	408,349,210
108-88-3 Toluene	125,034,282	62,877,853	187,912,134
7664-41-7 Ammonia	146,043,279	80,900	146,124,179
1330-20-7 Xylene (mixed isomers)	77,715,025	54,701,507	132,416,532
7664-93-9 Sulfuric acid	103,809,566	20,164	103,829,730
107-21-1 Ethylene glycol	76,220,654	11,180,425	87,401,079
110-54-3 n-Hexane	47,046,520	15,250,440	62,296,960
100-42-5 Styrene	43,898,189	12,759,627	56,657,816
71-43-2 Benzene	48,573,592	1,223,909	49,797,500
107-06-2 1,2-Dichloroethane	44,394,247	186,877	44,581,124
100-41-4 Ethylbenzene	29,471,243	9,428,725	38,899,968
75-56-9 Propylene oxide	37,112,723	1,522,010	38,634,733
71-36-3 n-Butyl alcohol	27,902,043	9,550,032	37,452,075
75-65-0 tert-Butyl alcohol	29,772,596	6,289,065	36,061,661
98-86-2 Acetophenone	35,131,208	418,409	35,549,617
110-82-7 Cyclohexane	25,677,980	2,818,154	28,496,134
108-95-2 Phenol	18,797,735	6,975,754	25,773,489
-- Glycol ethers	10,050,484	14,392,773	24,443,257
<b>Subtotal for Top 20 Chemicals</b>	<b>2,196,796,091</b>	<b>331,371,543</b>	<b>2,528,167,633</b>
<b>Total for all TRI Chemicals</b>	<b>2,576,722,665</b>	<b>424,562,723</b>	<b>3,001,285,388</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

\* Manufacturing industries include NAICS Codes 31-33 and "no codes" category.

**The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: Chemicals (NAICS 325)**

<b>CAS Number Chemname</b>	<b>Quantity Used for Energy Recovery On-site Pounds</b>	<b>Quantity Used for Energy Recovery Off-site Pounds</b>	<b>Total Quantity Used for Energy Recovery On-site and Off-site Pounds</b>
67-56-1 Methanol	113,164,083	91,660,429	204,824,512
108-88-3 Toluene	18,835,543	49,473,702	68,309,245
1330-20-7 Xylene (mixed isomers)	2,684,334	45,526,148	48,210,482
74-85-1 Ethylene	190,453,255	20,968,020	211,421,275
110-54-3 n-Hexane	21,118,411	14,634,794	35,753,205
100-42-5 Styrene	21,716,544	11,537,417	33,253,961
-- Glycol ethers	716,354	10,805,094	11,521,448
107-21-1 Ethylene glycol	1,810,243	10,503,212	12,313,455
100-41-4 Ethylbenzene	10,031,572	7,963,968	17,995,541
71-36-3 n-Butyl alcohol	21,206,501	7,623,903	28,830,404
108-95-2 Phenol	13,045,449	6,758,366	19,803,814
75-09-2 Dichloromethane	22,570	6,436,832	6,459,402
108-10-1 Methyl isobutyl ketone	1,332,467	6,065,316	7,397,783
108-05-4 Vinyl acetate	11,266,780	5,232,354	16,499,134
75-65-0 tert-Butyl alcohol	28,911,753	4,763,740	33,675,493
75-05-8 Acetonitrile	14,060,137	4,701,557	18,761,694
68-12-2 N,N-Dimethylformamide	13,469	4,162,699	4,176,168
95-63-6 1,2,4-Trimethylbenzene	134,462	3,437,524	3,571,986
80-05-7 4,4'-Isopropylidenediphenol	7,800,000	3,148,152	10,948,152
1634-04-4 Methyl tert-butyl ether	469,851	3,117,583	3,587,434
<b>Subtotal for Top 20 Chemicals</b>	<b>478,793,778</b>	<b>318,520,810</b>	<b>797,314,588</b>
<b>Total for all TRI Chemicals</b>	<b>1,206,968,522</b>	<b>366,491,831</b>	<b>1,573,460,353</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

**The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: Primary Metals (NAICS 331)**

<b>CAS Number Chemname</b>	<b>Quantity Used for Energy Recovery On-site Pounds</b>	<b>Quantity Used for Energy Recovery Off-site Pounds</b>	<b>Total Quantity Used for Energy Recovery On-site and Off-site Pounds</b>
74-85-1 Ethylene	114,897,680	0	114,897,680
71-43-2 Benzene	17,734,247	4	17,734,251
1330-20-7 Xylene (mixed isomers)	8,089,038	1,101,683	9,190,721
115-07-1 Propylene	4,800,000	0	4,800,000
-- Glycol ethers	3,217,927	286,507	3,504,434
108-88-3 Toluene	2,684,917	491,218	3,176,135
71-36-3 n-Butyl alcohol	1,004,247	373,922	1,378,169
100-41-4 Ethylbenzene	1,161,145	187,062	1,348,207
106-99-0 1,3-Butadiene	900,000	0	900,000
107-21-1 Ethylene glycol	831,193	46,564	877,757
108-95-2 Phenol	496,223	100,799	597,022
95-63-6 1,2,4-Trimethylbenzene	452,835	71,118	523,953
108-10-1 Methyl isobutyl ketone	463,456	44,204	507,660
91-20-3 Naphthalene	426,105	15,859	441,964
67-56-1 Methanol	0	395,740	395,740
872-50-4 N-Methyl-2-pyrrolidone	208,823	69,539	278,362
1319-77-3 Cresol (mixed isomers)	185,477	36,126	221,603
75-09-2 Dichloromethane	0	198,838	198,838
108-38-3 m-Xylene	97,026	32,705	129,731
108-39-4 m-Cresol	64,280	21,662	85,942
<b>Subtotal for Top 20 Chemicals</b>	<b>157,714,619</b>	<b>3,473,549</b>	<b>161,188,168</b>
<b>Total for all TRI Chemicals</b>	<b>157,908,169</b>	<b>3,621,733</b>	<b>161,529,902</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

**The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: Paper Products (NAICS 322)**

<b>CAS Number Chemname</b>	<b>Quantity Used for Energy Recovery On-site Pounds</b>	<b>Quantity Used for Energy Recovery Off-site Pounds</b>	<b>Total Quantity Used for Energy Recovery On-site and Off-site Pounds</b>
67-56-1 Methanol	183,004,114	157,333	183,161,447
108-88-3 Toluene	1,379,774	2,386,723	3,766,497
120-80-9 Catechol	3,409,197	1,601	3,410,798
7664-41-7 Ammonia	1,414,940	500	1,415,440
75-07-0 Acetaldehyde	1,350,704	232	1,350,936
108-95-2 Phenol	964,198	3,687	967,885
107-21-1 Ethylene glycol	400,084	49,657	449,741
1330-20-7 Xylene (mixed isomers)	73,906	221,452	295,358
50-00-0 Formaldehyde	206,769	2,232	209,001
110-54-3 n-Hexane	77,316	125,944	203,260
1319-77-3 Cresol (mixed isomers)	175,584	0	175,584
108-10-1 Methyl isobutyl ketone	41,401	24,275	65,676
-- Polycyclic aromatic compounds	49,214	0	49,214
-- Glycol ethers	9,727	35,218	44,945
108-05-4 Vinyl acetate	28,710	16,047	44,757
100-41-4 Ethylbenzene	0	16,903	16,903
79-10-7 Acrylic acid	0	12,026	12,026
95-63-6 1,2,4-Trimethylbenzene	0	9,593	9,593
872-50-4 N-Methyl-2-pyrrolidone	0	8,485	8,485
98-82-8 Cumene	1,150	1,546	2,696
<b>Subtotal for Top 20 Chemicals</b>	<b>192,586,788</b>	<b>3,073,454</b>	<b>195,660,242</b>
<b>Total for all TRI Chemicals</b>	<b>192,593,138</b>	<b>3,079,075</b>	<b>195,672,213</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

## The Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: Petroleum (NAICS 324)

CAS Number Chemname	Quantity Used for Energy Recovery On-site Pounds	Quantity Used for Energy Recovery Off-site Pounds	Total Quantity Used for Energy Recovery On-site and Off-site Pounds
115-07-1 Propylene	355,727,954	6	355,727,960
7664-41-7 Ammonia	109,968,462	465	109,968,927
74-85-1 Ethylene	73,999,900	3	73,999,903
463-58-1 Carbonyl sulfide	5,937,060	0	5,937,060
-- Cyanide compounds	2,472,493	6	2,472,499
74-90-8 Hydrogen cyanide	2,293,645	0	2,293,645
75-65-0 tert-Butyl alcohol	4,929	1,494,882	1,499,811
71-43-2 Benzene	893,591	33,550	927,141
110-54-3 n-Hexane	799,489	10,979	810,468
67-56-1 Methanol	520,898	161,772	682,670
108-88-3 Toluene	459,115	190,747	649,862
75-01-4 Vinyl chloride	535,778	0	535,778
100-41-4 Ethylbenzene	359,240	46,167	405,407
1330-20-7 Xylene (mixed isomers)	199,557	187,777	387,335
64-18-6 Formic acid	0	331,461	331,461
111-42-2 Diethanolamine	220,000	22,974	242,974
110-82-7 Cyclohexane	215,062	4,492	219,554
95-63-6 1,2,4-Trimethylbenzene	156,425	49,463	205,888
75-15-0 Carbon disulfide	158,322	0	158,322
108-95-2 Phenol	125,450	1,191	126,641
<b>Subtotal for Top 20 Chemicals</b>	<b>555,047,370</b>	<b>2,535,935</b>	<b>557,583,306</b>
<b>Total for all TRI Chemicals</b>	<b>555,047,370</b>	<b>2,535,935</b>	<b>557,583,306</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

**The Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: Metal Mining (NAICS 2122)**

<b>CAS Number Chemname</b>	<b>Quantity Used for Energy Recovery On-site Pounds</b>	<b>Quantity Used for Energy Recovery Off-site Pounds</b>	<b>Total Quantity Used for Energy Recovery On-site and Off-site Pounds</b>
-- Polycyclic aromatic compounds	0	94	94
<b>Total for all TRI Chemicals</b>	<b>0</b>	<b>94</b>	<b>94</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

**The Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: Coal Mining (NAICS 2121)**

<b>CAS Number Chemname</b>	<b>Quantity Used for Energy Recovery On-site Pounds</b>	<b>Quantity Used for Energy Recovery Off-site Pounds</b>	<b>Total Quantity Used for Energy Recovery On-site and Off-site Pounds</b>
<b>Total for all TRI Chemicals</b>	<b>0</b>	<b>0</b>	<b>0</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

**The Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: Electric Utilities (NAICS 2211)**

<b>CAS Number Chemname</b>	<b>Quantity Used for Energy Recovery On-site Pounds</b>	<b>Quantity Used for Energy Recovery Off-site Pounds</b>	<b>Total Quantity Used for Energy Recovery On-site and Off-site Pounds</b>
75-00-3 Chloroethane	15,453,820	0	15,453,820
74-85-1 Ethylene	4,830,386	0	4,830,386
-- Polycyclic aromatic compounds	707,688	306	707,994
74-87-3 Chloromethane	83,796	0	83,796
91-20-3 Naphthalene	60,083	5	60,088
95-63-6 1,2,4-Trimethylbenzene	36,800	0	36,800
110-54-3 n-Hexane	36,782	0	36,782
100-42-5 Styrene	34,852	282	35,134
107-21-1 Ethylene glycol	16,000	0	16,000
191-24-2 Benzo(g,h,i)perylene	4,604	5	4,608
106-99-0 1,3-Butadiene	0	1,084	1,084
67-56-1 Methanol	980	0	980
75-07-0 Acetaldehyde	13	0	13
108-95-2 Phenol	4	0	4
50-00-0 Formaldehyde	1	0	1
120-80-9 Catechol	1	0	1
1319-77-3 Cresol (mixed isomers)	1	0	1
-- Dioxin and dioxin-like compounds	0.0000000	0.0000002	0.0000002
<b>Total for all TRI Chemicals</b>	<b>21,265,811</b>	<b>1,681</b>	<b>21,267,492</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

**The Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: Chemical Wholesale Distributors (NAICS 4246)**

<b>CAS Number Chemname</b>	<b>Quantity Used for Energy Recovery On-site Pounds</b>	<b>Quantity Used for Energy Recovery Off-site Pounds</b>	<b>Total Quantity Used for Energy Recovery On-site and Off-site Pounds</b>
108-88-3 Toluene	0	1,947,097	1,947,097
1330-20-7 Xylene (mixed isomers)	0	1,239,127	1,239,127
67-56-1 Methanol	0	672,614	672,614
-- Glycol ethers	0	617,763	617,763
108-10-1 Methyl isobutyl ketone	0	507,406	507,406
71-36-3 n-Butyl alcohol	0	226,165	226,165
95-63-6 1,2,4-Trimethylbenzene	0	164,711	164,711
107-21-1 Ethylene glycol	0	150,311	150,311
100-42-5 Styrene	0	148,838	148,838
100-41-4 Ethylbenzene	0	87,164	87,164
110-54-3 n-Hexane	0	84,379	84,379
68-12-2 N,N-Dimethylformamide	0	64,274	64,274
127-18-4 Tetrachloroethylene	0	62,523	62,523
75-09-2 Dichloromethane	0	38,283	38,283
80-62-6 Methyl methacrylate	0	22,156	22,156
79-01-6 Trichloroethylene	0	22,015	22,015
872-50-4 N-Methyl-2-pyrrolidone	0	18,733	18,733
91-20-3 Naphthalene	0	15,850	15,850
121-44-8 Triethylamine	0	13,929	13,929
75-05-8 Acetonitrile	0	12,798	12,798
<b>Subtotal for Top 20 Chemicals</b>	<b>0</b>	<b>6,116,136</b>	<b>6,116,136</b>
<b>Total for all TRI Chemicals</b>	<b>0</b>	<b>6,166,186</b>	<b>6,166,186</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

**The Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: Petroleum Terminals/Bulk Storage (NAICS 4247)**

<b>CAS Number Chemname</b>	<b>Quantity Used for Energy Recovery On-site Pounds</b>	<b>Quantity Used for Energy Recovery Off-site Pounds</b>	<b>Total Quantity Used for Energy Recovery On-site and Off-site Pounds</b>
115-07-1 Propylene	190,000	0	190,000
95-63-6 1,2,4-Trimethylbenzene	0	134,277	134,277
100-41-4 Ethylbenzene	0	59,861	59,861
108-88-3 Toluene	0	43,390	43,390
1330-20-7 Xylene (mixed isomers)	0	32,517	32,517
107-21-1 Ethylene glycol	0	19,301	19,301
74-85-1 Ethylene	19,000	0	19,000
91-20-3 Naphthalene	0	15,019	15,019
110-54-3 n-Hexane	0	12,433	12,433
110-82-7 Cyclohexane	0	7,120	7,120
71-43-2 Benzene	0	5,973	5,973
1634-04-4 Methyl tert-butyl ether	0	3,135	3,135
-- Glycol ethers	0	1,992	1,992
127-18-4 Tetrachloroethylene	0	1,020	1,020
79-01-6 Trichloroethylene	0	547	547
-- Polycyclic aromatic compounds	0	364	364
67-56-1 Methanol	0	288	288
108-10-1 Methyl isobutyl ketone	0	194	194
98-82-8 Cumene	0	46	46
191-24-2 Benzo(g,h,i)perylene	0	15	15
<b>Total for all TRI Chemicals</b>	<b>209,000</b>	<b>337,491</b>	<b>546,491</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

**The 20 Chemicals with Largest Total Energy Recovery On-site and Off-site, 2006: Hazardous Waste/Solvent Recovery (NAICS 562)**

<b>CAS Number Chemname</b>	<b>Quantity Used for Energy Recovery On-site Pounds</b>	<b>Quantity Used for Energy Recovery Off-site Pounds</b>	<b>Total Quantity Used for Energy Recovery On-site and Off-site Pounds</b>
108-88-3 Toluene	299,167	35,735,647	36,034,814
1330-20-7 Xylene (mixed isomers)	301,272	29,338,697	29,639,969
67-56-1 Methanol	420,218	13,774,842	14,195,060
-- Glycol ethers	2,849,992	1,656,731	4,506,723
110-54-3 n-Hexane	244,301	4,122,043	4,366,344
108-10-1 Methyl isobutyl ketone	132,127	3,921,988	4,054,115
75-09-2 Dichloromethane	174,365	3,567,836	3,742,201
100-42-5 Styrene	134	3,505,963	3,506,097
100-41-4 Ethylbenzene	19,644	2,861,187	2,880,831
71-36-3 n-Butyl alcohol	34,435	2,481,962	2,516,397
127-18-4 Tetrachloroethylene	11,831	1,982,995	1,994,826
872-50-4 N-Methyl-2-pyrrolidone	146,002	1,350,127	1,496,129
75-05-8 Acetonitrile	170,576	1,064,945	1,235,521
107-21-1 Ethylene glycol	225,288	836,030	1,061,318
8001-58-9 Creosote	1	991,717	991,718
95-63-6 1,2,4-Trimethylbenzene	0	874,035	874,035
68-12-2 N,N-Dimethylformamide	63,940	799,086	863,026
110-82-7 Cyclohexane	24,589	825,930	850,519
75-65-0 tert-Butyl alcohol	0	799,945	799,945
108-05-4 Vinyl acetate	639	636,933	637,572
<b>Subtotal for Top 20 Chemicals</b>	<b>5,118,521</b>	<b>111,128,640</b>	<b>116,247,161</b>
<b>Total for all TRI Chemicals</b>	<b>6,329,336</b>	<b>115,963,221</b>	<b>122,292,557</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.2, Column B (Energy recovery on-site) and Section 8.3, Column B (Energy recovery off-site).

**The 20 Chemicals with Largest Total Treated On-site and Off-site, 2006: All Industries**

<b>CAS Number Chemname</b>	<b>Quantity Treated On-site Pounds</b>	<b>Quantity Treated Off-site Pounds</b>	<b>Total Quantity Treated On-site and Off-site Pounds</b>
67-56-1 Methanol	1,124,889,694	93,726,072	1,218,615,766
7647-01-0 Hydrochloric acid	1,114,815,698	3,636,748	1,118,452,445
74-85-1 Ethylene	553,805,206	22,598,285	576,403,491
7664-93-9 Sulfuric acid	521,795,496	297,257	522,092,753
7664-41-7 Ammonia	413,769,345	11,669,465	425,438,810
115-07-1 Propylene	382,852,299	1,318,097	384,170,395
108-88-3 Toluene	349,284,787	25,404,779	374,689,566
-- Nitrate compounds	201,351,653	118,993,298	320,344,951
7697-37-2 Nitric acid	269,171,284	11,081,176	280,252,461
64-18-6 Formic acid	235,763,455	13,929,553	249,693,008
7664-39-3 Hydrogen fluoride	238,058,019	3,462,787	241,520,805
7782-50-5 Chlorine	203,493,244	324,727	203,817,972
463-58-1 Carbonyl sulfide	140,454,567	0	140,454,567
110-54-3 n-Hexane	79,743,859	10,074,802	89,818,661
50-00-0 Formaldehyde	81,529,719	5,642,842	87,172,561
107-21-1 Ethylene glycol	58,872,246	24,781,289	83,653,535
1330-20-7 Xylene (mixed isomers)	69,185,949	12,497,143	81,683,092
75-15-0 Carbon disulfide	63,739,380	166,512	63,905,891
71-43-2 Benzene	59,424,624	3,681,995	63,106,619
107-06-2 1,2-Dichloroethane	58,194,538	4,749,111	62,943,648
<b>Subtotal for Top 20 Chemicals</b>	<b>6,220,195,060</b>	<b>368,035,938</b>	<b>6,588,230,998</b>
<b>Total for all TRI Chemicals</b>	<b>7,425,550,140</b>	<b>548,169,292</b>	<b>7,973,719,432</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

**The 20 Chemicals with Largest Total Treated On-site and Off-site, 2006: Manufacturing\* Industries**

<b>CAS Number Chemname</b>	<b>Quantity Treated On-site Pounds</b>	<b>Quantity Treated Off-site Pounds</b>	<b>Total Quantity Treated On-site and Off-site Pounds</b>
67-56-1 Methanol	1,105,027,991	92,892,008	1,197,919,999
7647-01-0 Hydrochloric acid	843,664,753	3,209,358	846,874,111
74-85-1 Ethylene	533,438,175	22,598,285	556,036,460
115-07-1 Propylene	371,214,825	1,318,097	372,532,921
108-88-3 Toluene	319,761,853	23,635,760	343,397,613
7664-41-7 Ammonia	326,942,018	11,583,883	338,525,902
-- Nitrate compounds	198,537,214	116,864,678	315,401,892
7697-37-2 Nitric acid	265,973,921	10,845,027	276,818,949
64-18-6 Formic acid	235,157,265	13,916,686	249,073,951
7782-50-5 Chlorine	200,297,914	324,323	200,622,238
7664-39-3 Hydrogen fluoride	171,331,845	3,258,803	174,590,647
463-58-1 Carbonyl sulfide	140,454,567	0	140,454,567
50-00-0 Formaldehyde	80,416,222	5,616,353	86,032,575
107-21-1 Ethylene glycol	53,077,390	23,528,213	76,605,602
7664-93-9 Sulfuric acid	74,671,148	123,144	74,794,292
110-54-3 n-Hexane	71,527,642	3,214,076	74,741,718
1330-20-7 Xylene (mixed isomers)	54,946,025	11,408,367	66,354,392
75-15-0 Carbon disulfide	63,385,061	164,256	63,549,316
71-43-2 Benzene	53,099,691	3,609,340	56,709,031
107-06-2 1,2-Dichloroethane	51,022,700	4,670,650	55,693,349
<b>Subtotal for Top 20 Chemicals</b>	<b>5,213,948,221</b>	<b>352,781,305</b>	<b>5,566,729,526</b>
<b>Total for all TRI Chemicals</b>	<b>6,246,280,735</b>	<b>528,270,389</b>	<b>6,774,551,123</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

\* Manufacturing industries include NAICS Codes 31-33 and "no codes" category.

**The 20 Chemicals with Largest Total Treated On-site and Off-site, 2005: Chemicals (NAICS 325)**

<b>CAS Number Chemname</b>	<b>Quantity Treated On-site Pounds</b>	<b>Quantity Treated Off-site Pounds</b>	<b>Total Quantity Treated On-site and Off-site Pounds</b>
7647-01-0 Hydrochloric acid	777,808,255	93,746	777,902,001
74-85-1 Ethylene	494,493,509	22,373,093	516,866,602
115-07-1 Propylene	310,284,485	1,165,642	311,450,127
67-56-1 Methanol	181,605,872	53,977,632	235,583,504
64-18-6 Formic acid	161,495,461	13,758,743	175,254,204
7782-50-5 Chlorine	159,138,408	223,735	159,362,143
7697-37-2 Nitric acid	116,831,456	1,295,865	118,127,321
-- Nitrate compounds	63,820,266	54,289,700	118,109,967
108-88-3 Toluene	82,871,016	20,760,835	103,631,851
7664-41-7 Ammonia	96,569,651	4,601,695	101,171,346
50-00-0 Formaldehyde	68,277,530	5,196,508	73,474,038
107-21-1 Ethylene glycol	42,563,843	15,931,051	58,494,894
107-06-2 1,2-Dichloroethane	51,022,700	4,670,642	55,693,342
79-00-5 1,1,2-Trichloroethane	51,062,777	3,537,950	54,600,727
110-54-3 n-Hexane	43,798,094	2,942,480	46,740,574
7664-93-9 Sulfuric acid	46,062,763	2,602	46,065,365
106-99-0 1,3-Butadiene	44,459,234	1,410,937	45,870,171
108-31-6 Maleic anhydride	44,020,852	986,619	45,007,471
7550-45-0 Titanium tetrachloride	42,539,780	220,106	42,759,886
71-43-2 Benzene	36,513,082	2,681,717	39,194,799
<b>Subtotal for Top 20 Chemicals</b>	<b>2,915,239,033</b>	<b>210,121,298</b>	<b>3,125,360,332</b>
<b>Total for all TRI Chemicals</b>	<b>3,628,388,170</b>	<b>349,113,259</b>	<b>3,977,501,429</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

**The 20 Chemicals with Largest Total Treated On-site and Off-site, 2006: Primary Metals (NAICS 331)**

<b>CAS Number Chemname</b>	<b>Quantity Treated On-site Pounds</b>	<b>Quantity Treated Off-site Pounds</b>	<b>Total Quantity Treated On-site and Off-site Pounds</b>
7664-39-3 Hydrogen fluoride	118,741,455	483,955	119,225,410
7697-37-2 Nitric acid	50,692,035	1,692,528	52,384,563
7782-50-5 Chlorine	31,595,598	750	31,596,348
7647-01-0 Hydrochloric acid	20,091,070	2,771,487	22,862,557
7664-41-7 Ammonia	11,273,793	317,016	11,590,809
-- Nitrate compounds	2,958,796	7,962,035	10,920,831
7429-90-5 Aluminum (fume or dust)	2,821,612	5,064,231	7,885,843
67-56-1 Methanol	753,430	5,740,127	6,493,557
7440-66-6 Zinc (fume or dust)	0	6,468,023	6,468,023
108-95-2 Phenol	6,172,738	235,725	6,408,463
74-85-1 Ethylene	5,376,628	92,530	5,469,158
7632-00-0 Sodium nitrite	5,181,225	107,733	5,288,958
1330-20-7 Xylene (mixed isomers)	4,006,693	37,817	4,044,510
-- Cyanide compounds	3,475,656	116,418	3,592,074
7664-93-9 Sulfuric acid	2,749,641	27,872	2,777,513
71-43-2 Benzene	2,299,266	1,984	2,301,250
-- Polycyclic aromatic compounds	2,215,937	5,819	2,221,756
74-90-8 Hydrogen cyanide	1,701,199	4	1,701,203
95-63-6 1,2,4-Trimethylbenzene	1,555,657	5,084	1,560,741
872-50-4 N-Methyl-2-pyrrolidone	1,512,520	13,763	1,526,283
<b>Subtotal for Top 20 Chemicals</b>	<b>275,174,947</b>	<b>31,144,901</b>	<b>306,319,848</b>
<b>Total for all TRI Chemicals</b>	<b>287,058,374</b>	<b>31,801,671</b>	<b>318,860,045</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).

**The 20 Chemicals with Largest Total Treated On-site and Off-site, 2006: Paper Products (NAICS 322)**

<b>CAS Number Chemname</b>	<b>Quantity Treated On-site Pounds</b>	<b>Quantity Treated Off-site Pounds</b>	<b>Total Quantity Treated On-site and Off-site Pounds</b>
67-56-1 Methanol	900,411,968	29,336,345	929,748,313
64-18-6 Formic acid	70,459,300	6,164	70,465,464
0049-04-4 Chlorine dioxide	40,536,621	0	40,536,621
108-88-3 Toluene	32,243,926	933,618	33,177,544
7664-41-7 Ammonia	14,217,990	55,121	14,273,111
7647-01-0 Hydrochloric acid	10,079,326	0	10,079,326
7782-50-5 Chlorine	8,124,617	66,380	8,190,997
75-07-0 Acetaldehyde	6,765,556	201,424	6,966,980
7664-93-9 Sulfuric acid	4,130,282	0	4,130,282
50-00-0 Formaldehyde	3,518,972	152,173	3,671,144
108-95-2 Phenol	3,136,644	7,340	3,143,984
1330-20-7 Xylene (mixed isomers)	2,756,902	57,261	2,814,163
110-54-3 n-Hexane	2,405,358	48,783	2,454,141
-- Nitrate compounds	1,625,688	32,909	1,658,597
107-21-1 Ethylene glycol	691,413	320,931	1,012,344
872-50-4 N-Methyl-2-pyrrolidone	686,223	325,080	1,011,303
120-80-9 Catechol	782,674	7,306	789,980
0028-15-6 Ozone	462,730	0	462,730
108-10-1 Methyl isobutyl ketone	317,507	55,800	373,307
1319-77-3 Cresol (mixed isomers)	364,738	4,400	369,138
<b>Subtotal for Top 20 Chemicals</b>	<b>1,103,718,435</b>	<b>31,611,035</b>	<b>1,135,329,469</b>
<b>Total for all TRI Chemicals</b>	<b>1,106,086,426</b>	<b>31,911,718</b>	<b>1,137,998,145</b>

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at [www.epa.gov/tri/tridata](http://www.epa.gov/tri/tridata).

Data are from TRI Form R, Section 8.6, Column B (Treated on-site) and Section 8.7, Column B (Treated off-site).













