

Table A30. Total Primary Consumption of Energy for All Purposes by Value of Shipment Categories, Industry Group, and Selected Industries, 1991
(Estimates in Trillion Btu)

SIC Code ^a	Industry Groups and Industry	Value of Shipments and Receipts ^b (million dollars)						RSE Row Factors	
		Total	Under 20	20-49	50-99	100-249	250-499		500 and Over
RSE Column Factors:		0.6	1.6	1.3	1.0	0.8	1.0	1.1	
20	Food and Kindred Products	956	109	142	174	229	161	142	6.2
2011	Meat Packing Plants	49	2	3	3	6	13	23	7.8
2033	Canned Fruits and Vegetables	44	9	10	8	12	W	W	11.8
2037	Frozen Fruits and Vegetables	40	5	4	14	15	1	0	15.2
2046	Wet Corn Milling	140	*	W	W	23	64	W	12.4
2051	Bread, Cake and Related Products	32	10	13	6	3	*	*	10.5
2063	Beet Sugar	67	0	14	35	18	0	0	6.8
2075	Soybean Oil Mills	51	*	*	W	20	17	W	5.2
2082	Malt Beverages	50	*	*	2	5	7	36	11.6
21	Tobacco Manufactures	24	*	2	1	W	W	13	8.8
22	Textile Mill Products	274	54	81	63	W	22	W	7.2
23	Apparel and Other Textile Products	44	23	8	7	4	1	2	17.3
24	Lumber and Wood Products	451	161	206	60	23	0	1	17.0
25	Furniture and Fixtures	68	31	20	10	4	*	3	20.7
26	Paper and Allied Products	2,506	69	107	234	917	1,060	119	4.2
2611	Pulp Mills	300	0	3	41	159	97	0	18.3
2621	Paper Mills	1,211	13	16	85	388	613	95	5.1
2631	Paperboard Mills	859	W	33	83	358	340	W	7.0
27	Printing and Publishing	108	41	24	17	20	4	2	11.6
28	Chemicals and Allied Products	5,051	159	354	382	984	1,126	2,046	6.2
2812	Alkalies and Chlorine	160	W	8	22	W	0	W	15.7
2813	Industrial Gases	W	36	19	62	W	0	0	7.9
2819	Industrial Inorganic Chemicals, nec	325	W	37	33	52	113	W	8.3
2821	Plastics Materials and Resins	633	8	11	25	138	283	168	6.6
2822	Synthetic Rubber	119	*	1	11	10	97	0	15.0
2823	Cellulosic Manmade Fibers	31	*	0	4	10	12	6	32.1
2824	Organic Fibers, Noncellulosic	W	Q	1	2	W	35	W	3.7
2865	Cyclic Crudes and Intermediates	236	3	W	24	26	73	W	11.9
2869	Industrial Organic Chemicals, nec	2,289	32	41	28	291	359	1,538	7.0
2873	Nitrogenous Fertilizers	568	2	125	112	240	89	0	25.1
2874	Phosphatic Fertilizers	65	1	*	W	19	37	W	5.8
29	Petroleum and Coal Products	5,967	104	60	80	77	220	2,557	5.6
2911	Petroleum Refining ^c	5,762	13	17	10	76	220	2,557	3.8
30	Rubber and Misc. Plastics Products	238	84	55	35	36	W	W	5.7
3011	Tires and Inner Tubes	W	*	3	W	10	19	W	3.7
308	Miscellaneous Plastics Products, nec	151	63	40	25	21	2	0	10.4
31	Leather and Leather Products	12	5	4	2	2	0	0	22.1
32	Stone, Clay and Glass Products	880	247	358	201	68	W	W	7.8
3211	Flat Glass	49	*	8	24	16	0	0	3.1
3221	Glass Containers	85	*	W	53	W	0	0	6.4
3229	Pressed and Blown Glass, nec	W	3	13	W	29	0	0	6.6
3241	Cement, Hydraulic	312	25	230	57	0	0	0	10.1
3274	Lime	117	83	W	W	0	0	0	28.7
3296	Mineral Wool	41	3	10	19	W	W	0	1.4
33	Primary Metal Industries	2,467	99	143	182	474	358	1,210	4.8
3312	Blast Furnaces and Steel Mills	1,673	6	49	93	226	179	1,122	7.6
3313	Electrometallurgical Products	41	*	10	W	W	0	0	9.8
3321	Gray and Ductile Iron Foundries	W	W	15	17	14	W	0	8.4
3331	Primary Copper	21	W	0	*	W	12	W	1.0
3334	Primary Aluminum	297	*	*	0	134	W	W	3.3
3339	Primary Nonferrous Metals, nec	52	W	6	13	28	0	W	2.0
3353	Aluminum Sheet, Plate, and Foil	61	Q	1	3	12	13	32	1.2
34	Fabricated Metal Products	307	117	81	46	39	19	5	7.9
35	Industrial Machinery and Equipment	237	71	31	42	39	16	39	7.7
357	Computer and Office Equipment	21	2	2	2	4	2	10	11.5
36	Electronic and Other Electric Equipment	212	29	33	46	48	21	35	7.8

See footnotes at end of table.

Table A30. Total Primary Consumption of Energy for All Purposes by Value of Shipment Categories, Industry Group, and Selected Industries, 1991 (Continued)
(Estimates in Trillion Btu)

SIC Code ^a	Industry Groups and Industry	Total	Value of Shipments and Receipts ^b (million dollars)					500 and Over	RSE Row Factors
			Under 20	20-49	50-99	100-249	250-499		
RSE Column Factors:		0.6	1.6	1.3	1.0	0.8	1.0	1.1	
37	Transportation Equipment	323	18	21	21	26	32	205	5.3
3711	Motor Vehicles and Car Bodies	88	*	*	*	*	2	86	5.0
3714	Motor Vehicle Parts and Accessories	100	7	9	13	13	18	40	6.0
38	Instruments and Related Products	98	9	9	10	19	10	41	12.3
3841	Surgical and Medical Instruments	6	1	1	2	2	*	*	13.3
39	Misc. Manufacturing Industries	32	12	8	5	4	3	0	13.1
	Total	20,257	1,443	1,747	1,619	3,071	3,081	6,429	3.0

^a See Appendices B and F for descriptions of the Standard Industrial Classification system.

^b Value of Shipments and Receipts were supplied by the Bureau of the Census.

^c For the petroleum refining industry only, the feedstocks and raw material inputs for the production of nonenergy products (i.e., asphalt, waxes, lubricants, and solvents) and feedstock consumption at adjoining petrochemical plants are included in the "Total" column, regardless of type of energy. The remaining columns for the petroleum refining industry include only energy that was consumed for the production of heat and power. See Appendix B for more information.

* Estimate less than 0.5. Data are included in higher level totals.

W=Withheld to avoid disclosing data for individual establishments. Data are included in higher level totals.

Q=Withheld because Relative Standard Error is greater than 50 percent. Data are included in higher level totals.

Notes: • To obtain a RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • Totals may not equal sum of components because of independent rounding. • The derived estimates presented in this table are for the primary consumption of energy for heat and power and as feedstocks or raw material inputs. Primary consumption is defined as the consumption of the energy that was originally produced offsite or was produced onsite from input materials not classified as energy. Examples of the latter are hydrogen produced from the electrolysis of brine; the output of captive (onsite) mines or wells; woodchips, bark, and woodwaste from wood purchased as a raw material input; and waste materials such as wastepaper and packing materials. Primary consumption excludes quantities of energy that are produced from other energy inputs and, therefore, avoids double counting.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use and Integrated Statistics Division, Form EIA-846, "1991 Manufacturing Energy Consumption Survey," and Office of Oil and Gas, Petroleum Supply Division, Form EIA-810, "Monthly Refinery Report" for 1991, and the Bureau of the Census, Industry Division, data files for the "1991 Annual Survey of Manufactures."