Table 10.7 Number of Establishments with Capability to Switch Electricity to Alternative Energy Sources, 2002;

Level: National Data; Row: NAICS Codes; Column: Energy Sources; Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Electricity Receipts(b)			Alternative Energy Sources(c)							
		Total Receipts(d)	Switchable	Not Switchable	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)	RSE Row Factors
		Total United St	ates									
	RSE Column Factors:	0.6	1.2	0.6	1.2	1.3	1	0.8	1.4	1.3	1.2	
311	Food	15,045	582	14,905	185	437	30	W	170	0	55	11.4
311221	Wet Corn Milling	49	W	W	W	0	0	0	0	0	0	1.2
31131	Sugar	77	8	74	W	4	W	W	0	0	W	1.1
311421	Fruit and Vegetable Canning	468	37	443	Q	34	0	0	13	0	0	10.4
312	Beverage and Tobacco Products	1,595	70	1,556	41	26	0	W	20	0	0	12.8
3121	Beverages	1,517	W	W	41	26	0	0	20	0	0	18.7
3122	Tobacco	78	W	W	0	0	0	W	0	0	0	1.4
313	Textile Mills	2,247	55	2,215	W	33	0	0	0	0	22	7.7
314	Textile Product Mills	3,456	153	3,341	114	W	0	0	W	0	37	4.9
315	Apparel	5,500	185	5,469	184	184	175	177	175	175	175	15.6
316	Leather and Allied Products	699	46	653	0	35	0	0	0	0	11	5.3
321	Wood Products	10,460	466	10,117	294	206	41	W	35	W	26	6.7
321113	Sawmills	2,209	162	2,065	28	152	36	0	28	0	25	9.5
3212	Veneer, Plywood, and Engineered Woods	1,478	35	1,472	28	7	W	0	W	0	W	4.7
3219	Other Wood Products	6,461	252	6,280	233	36	5	W	6	W	0	4.2
322	Paper	4,257	65	4,228	42	26	15	9	0	0	12	1.7
322110	Pulp Mills	34	W	W	0	0	W	0	0	0	0	1.3
322121	Paper Mills, except Newsprint	323	25	310	18	4	9	7	0	0	7	2.1
322122	Newsprint Mills	21	W	W	W	0	0	0	0	0	0	1.2
322130	Paperboard Mills	210	21	200	17	11	5	W	0	0	5	1.1
323	Printing and Related Support	20,220	512	19,834	485	107	90	272	199	173	9	15.8
324	Petroleum and Coal Products	1,915	130	1,837	37	87	W	W	37	W	17	4.9
324110	Petroleum Refineries	215	40	213	29	7	W	0	16	W	12	1
324199	Other Petroleum and Coal Products	46	W	W	W	0	0	W	0	0	3	1.2
325	Chemicals	8,909	334	8,726	154	145	18	5	26	0	60	3.6
325110	Petrochemicals	37	W	W	W	0	0	0	0	0	0	1.2
325120	Industrial Gases	527	0	527	0	0	0	0	0	0	0	3.6
325181	Alkalies and Chlorine	33	W	W	W	W	0	W	0	0	0	1.1
325182	Carbon Black	22	0	22	0	0	0	0	0	0	0	1.8
325188	Other Basic Inorganic Chemicals	515	5	515	W	W	0	0	0	0	0	1.7
325192	Cyclic Crudes and Intermediates	37	W	W	0	W	0	0	0	0	0	1.2
325193	Ethyl Alcohol	48	W	W	W	W	0	0	0	0	0	1.1
325199	Other Basic Organic Chemicals	578	24	568	14	13	0	0	W	0	W	1.2
325211	Plastics Materials and Resins	709	17	696	15	W	0	0	W	0	W	
325212	Synthetic Rubber	125	0	125	0	0	0	0	0	0	0	

Table 10.7 Number of Establishments with Capability to Switch Electricity to Alternative Energy Sources, 2002;

Level: National Data; Row: NAICS Codes; Column: Energy Sources; Unit: Establishment Counts.

Electricity Receipts(b) Alternative Energy Sources(c) Coal Coke **RSE NAICS** Distillate Total Not Natural Residual and Row **Subsector and Industry Switchable** Switchable Gas **Fuel Oil Fuel Oil** Coal LPG Breeze Other(e) **Factors** Code(a) Receipts(d) 325222 Noncellulosic Organic Fibers 64 W W W 0 W W 0 0 0 1.2 325311 Nitrogenous Fertilizers 56 55 W W 0 n 4 0 0 0 1.1 325312 Phosphatic Fertilizers 27 W W W W W 0 0 n 0 1.1 3254 Pharmaceuticals and Medicines 1,143 65 1,135 13 54 W 0 6 0 W 4.5 Pharmaceutical Preparation 30 27 0 n W 325412 606 600 0 6 6.8 325992 Photographic Film, Paper, Plate, and Chemicals 171 0 171 0 0 0 0 0 n 0 8.9 Plastics and Rubber Products 10.538 367 10.282 255 62 0 326 193 16 184 89 4.1 327 Nonmetallic Mineral Products 11.516 626 11.161 283 384 O 79 74 O O 14.9 Glass and Glass Products 62 48 33 0 Q O Λ 3272 1.047 1.013 n 18.6 W W n 327211 Flat Glass 38 9 35 0 0 1 327213 Glass Containers 61 7 60 6 W 0 0 0 n 0 1.1 W W W W 327310 Cements 195 0 0 0 0 0 2.3 65 0 65 0 0 n 327410 Lime 0 0 0 0 1.8 327993 Mineral Wool 207 Q 169 Q Q Q Q Q Q 0 15 93 25 W 331 Primary Metals 4.166 147 4.101 117 48 0 5 2.6 331111 Iron and Steel Mills 771 6 771 W W 0 0 0 n W 2.1 331112 Electrometallurgical Ferroallov Products W 0 W n 0 1.2 15 W 0 0 0 3312 Steel Products from Purchased Steel 29 27 Λ 548 34 525 20 0 24 0 2.9 3313 Alumina and Aluminum 446 W W 0 O 0 0 n 0 6.2 331312 Primary Aluminum 41 0 41 0 0 7.2 Nonferrous Metals, except Aluminum 3314 671 25 659 11 24 0 0 9 n 0 4.3 Foundries 1.715 65 52 46 W 15 0 W 2.1 3315 1.702 5 331511 Iron Foundries 453 10 450 7 8 W 0 4 0 0 3.8 Aluminum Die-Casting Foundries 227 8 226 7 0 0 331521 5 0 4 0 1.3 331524 Aluminum Foundries, except Die-Casting 341 15 334 11 W 0 5 n W 1.7 332 **Fabricated Metal Products** 35.349 1.529 34.400 1.083 639 183 216 584 81 74 9.5 333 65 Machinery 17.381 560 16.969 470 308 90 4 290 0 5.3 334 Computer and Electronic Products 9.238 384 8.985 250 177 79 W 80 W 52 2.6 W W W 334413 Semiconductors and Related Devices 578 19 575 11 15 3 W 1.5 Electrical Equip., Appliances, and Components 3.886 201 3.831 O W 335 91 0 13 0 11 12.7 336 Transportation Equipment 7.653 387 7.479 206 333 87 69 153 66 71 5.3 336112 Light Trucks and Utility Vehicles 42 5 41 W W 0 W 0 0 W 1.1 Furniture and Related Products 337 10,941 331 10,817 316 96 5 W 84 0 78 6.5 Miscellaneous 15.605 W 97 221 W 214 79 339 619 15.295 W 5.2

196.202

4.984

3.811

994

1.123

2.262

752

1.033

4.5

200.574

7.749

Total

⁽a) The Bureau of the Census classifies establishments using the North American Industry Classification System (NAICS).

Table 10.7 Number of Establishments with Capability to Switch Electricity to Alternative Energy Sources, 2002;

Level: National Data; Row: NAICS Codes; Column: Energy Sources; Unit: Establishment Counts.

		Electricity Receipts(b)			Alternative Energy Sources(c)							
NAICS Code(a)	Subsector and Industry	Total Receipts(d)	Switchable	Not Switchable	Natural Gas	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)	RSE Row Factors

- (b) These counts include only those establishments that reported this activity in 2002.
- (c) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for electricity receipts during 2002. The quantities are expressed in millions of kilowatthours, and therefore represent the quantity of electricity that could have been displaced by the given alternative type of energy.
- (d) Total Receipts' represents those quantities of electricity generated off the manufacturing establishment site and available at the site for consumption. It includes those quantities for which payment was made, quantities transferred in, quantities purchased and paid for by a central purchasing entity, and quantities for which payment was made in kind. It does not include electricity generated onsite. 'Electricity Receipts' has not been adjusted to account for any quantities that might have been resold or transferred out. The estimates include those quantities that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.
- (e) 'Other' includes all other types of energy not already identified that respondents indicated could have been consumed in place of electricity.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments. Q=Withheld because Relative Standard Error is greater than 50 percent. NA=Not available.

Notes: To obtain the 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.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy End Use Division, Form EIA-846, '2002 Manufacturing Energy Consumption Survey.'