Table 10.5 Number of Establishments with Capability to Switch Residual Fuel Oil to Alternative Energy Sources, 2006;

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

	ı	Residual Fuel Oil(b)			Alternative Energy Sources(c)							
NAICS Code(a)	Subsector and Industry	Total Consumed(d)	Switchable	Not Switchable	Electricity Receipts(e)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(f)	
Total United States												
311	Food	326	178	23	0	150	Q	0	Q	0	W	
3112	Grain and Oilseed Milling	15	8	5		8	0	0	0	0	0	
311221	Wet Corn Milling	W	0 W	W	0	0 W	0 W	0	0	0	0	
31131 3114	Sugar Manufacturing Fruit and Vegetable Preserving and Specialty Foods	11 13	10	W	0	vv 8	3	0	W	0	0	
3115	Dairy Products	25	19	4		4	Q	0	W	0	0	
3116	Animal Slaughtering and Processing	45	Q	8		Q	0	0	0	0	w	
312	Beverage and Tobacco Products	15	12	7	0	12	W	0	0	0	0	
3121	Beverages	8	8		0	8	0	0	0	0	0	
3122	Tobacco	7	4		0	4	W	0	0	0	0	
313	Textile Mills	116	90	25	0	90	0	0	0	0	0	
314	Textile Product Mills	23	10	W	0	5	W	0	0	0	0	
315 316	Apparel Leather and Allied Products	W 3	0	0 W	0	0	0	0	0	0	0	
321	Wood Products	103	Q	11	0	W	Q	0	0	0	w	
321113	Sawmills	9	0	9		0	0	0	0	0	0	
3212	Veneer, Plywood, and Engineered Woods	3	0	W	0	0	0	0	0	0	0	
3219	Other Wood Products	86	W	0	0	0	W	0	0	0	W	
322	Paper	208	105	95		92	12	W	W	0	8	
322110	Pulp Mills	12	5	6		4	W	0	W	0	W	
322121	Paper Mills, except Newsprint	87	46	52		40	4	4	W	0	4	
322122	Newsprint Mills	3	0		0	0	0	0	0	0	0	
322130	Paperboard Mills	61 Q	37 0	29 Q	W 0	31 0	7 0	5 0	0	0	W 0	
323 324	Printing and Related Support Petroleum and Coal Products	98	77	13	0	12	65	0	4	0	W	
324110	Petroleum Refineries	31	16	13	0	12	4	0	4	0	W	
324199	Other Petroleum and Coal Products	0	0	0		0	0	0	0	0	0	
325	Chemicals	91	54	17	0	50	11	W	0	0	0	
325110	Petrochemicals	W	W	W	0	W	0	0	0	0	0	
325120	Industrial Gases	0	0	0	0	0	0	0	0	0	0	
325181	Alkalies and Chlorine	0	0			0	0	0	0	0	0	
325182	Carbon Black	W	W	0		W	0	0	0	0	0	
325188	Other Basic Inorganic Chemicals	10	4	4		4	0	0	0	0	0	
325192	Cyclic Crudes and Intermediates	W	W	W	0	0	W	0	0	0	0	
325193 325199	Ethyl Alcohol Other Basic Organic Chemicals	0 16	0	0		0 7	0	0	0	0	0	
325199	Plastics Materials and Resins	4	4	0	-	4	0	0	0	0	0	
325211	Synthetic Rubber	w	W	0		W	W	0	0	0	0	
325222	Noncellulosic Organic Fibers	13	13	0		13	W	w	0	0	0	
325311	Nitrogenous Fertilizers	0	0	0	0	0	0	0	0	0	0	
325312	Phosphatic Fertilizers	W	0	W	0	0	0	0	0	0	0	
3254	Pharmaceuticals and Medicines	24	Q	3		Q	W	0	0	0	0	
325412	Pharmaceutical Preparation	16	Q	3		Q	W	0	0	0	0	
325992	Photographic Film, Paper, Plate, and Chemicals	W	W	W	0	W	0	0	0	0	0	
326	Plastics and Rubber Products	92	55 Q	Q		27 Q	Q W	0 W	0 W	0 W	0	
327 327211	Nonmetallic Mineral Products Flat Glass	104 W	Q W	Q 0		Q 0	W	0	0	VV 0	0	
327211	Other Pressed and Blown Glass and Glassware	0	0	0		0	0	0	0	0	0	
327212	Glass Containers	0	0			0	0	0	0	0	0	
327215	Glass Products from Purchased Glass	0	0			0	0	0	0	0	0	
327310	Cements	6	Q	W	w	Q	0	w	w	w	0	
327410	Lime	W	W	0	0	W	W	0	0	0	0	
327420	Gypsum	W	0	0		0	0	0	0	0	0	
327993	Mineral Wool	0	0			0	0	0	0	0	0	
331	Primary Metals	30	5			5	0	0	0	0	0	
331111	Iron and Steel Mills	9	W	W	0	W	0	0	0	0	0	
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0	0	

Table 10.5 Number of Establishments with Capability to Switch Residual Fuel Oil to Alternative Energy Sources. 2006:

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

		Residual Fuel Oil(b)			Alternative Energy Sources(c)						
NAICS Code(a)	Subsector and Industry	Total Consumed(d)	Switchable	Not Switchable	Electricity Receipts(e)	Natural Gas	Distillate Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(f)
3312	Steel Products from Purchased Steel	0	0	0	0	0	0	0	0	0	0
3313	Alumina and Aluminum	4	W	0	0	W	0	0	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	W	0	0	0	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	0	0	0	0	0	0	0	0	0	0
331316	Aluminum Extruded Products	W	W	0	0	W	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	W	W	W	0	W	0	0	0	0	0
3315	Foundries	W	0	W	0	0	0	0	0	0	0
331511	Iron Foundries	W	0	0	0	0	0	0	0	0	0
331521	Aluminum Die-Casting Foundries	0	0	0	0	0	0	0	0	0	0
331524	Aluminum Foundries, except Die-Casting	W	0	W	0	0	0	0	0	0	0
332	Fabricated Metal Products	Q	0	Q	0	0	0	0	0	0	0
333	Machinery	W	W	0	0	W	0	0	0	0	0
334	Computer and Electronic Products	7	6	5	0	6	W	0	0	0	0
334413	Semiconductors and Related Devices	W	0	W	0	0	0	0	0	0	0
335	Electrical Equip., Appliances, and Components	0	0	0	0	0	0	0	0	0	0
336	Transportation Equipment	111	18	89	0	18	0	0	0	0	0
336111	Automobiles	W	W	W	0	W	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	W	W	0	0	W	0	0	0	0	0
3364	Aerospace Product and Parts	Q	5	Q	0	5	0	0	0	0	0
336411	Aircraft	W	0	W	0	0	0	0	0	0	0
337	Furniture and Related Products	Q	W	W	0	0	W	0	0	0	0
339	Miscellaneous	Q	Q	W	0	W	W	0	0	0	0
	Total	2,000	839	838	10	540	347	13	27	W	Q

- (a) The Bureau of the Census classifies establishments using the North American Industry Classification System (NAICS).
- (b) These counts include only those establishments that reported this activity in 2006.
- (c) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for residual fuel oil during 2006. The quantities are expressed in thousands of barrels, and therefore represent the quantity of residual fuel oil that could have been displaced by the given alternative type of energy.
- (d) Total Consumed represents those quantities (Total Inputs) of residual fuel oil that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.
- (e) 'Electricity 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.
- (f) 'Other' includes all other types of energy not already identified that respondents indicated could have been consumed in place of residual fuel oil. 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 Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey.'