Released: June 2010

 Next MECS will be conducted in 2010

 Table 10.20
 Reasons that Made Electricity Unswitchable, 2006; Level: National Data; Row: NAICS Codes; Column: Reasons that Made Quantity Unswitchable; Unit: Million kWh.

NAICS Code(a)	Subsector and Industry		c Unswitchable	Reasons that Made Electricity Unswitchable										
		Total Amount of Electricity Consumed as a Fuel		Equipment is No Capable of UsingA Another Fuel	dversely Affect		Environmenta		Unavailable Storage for ternative Fuels(c	Another	Combinations of Columns F, G, H, I, J, and K			
			Total United State	S										
311	Food	73,551	55,824	47,583	162	597	556	849	106	5 O	1,467	4,505		
3112	Grain and Oilseed Milling	15,536			102 W		550	049 Q	G		1,407			
311221	Wet Corn Milling	6,801	5,875		Ŵ		0	0	(0			
31131	Sugar Manufacturing	974	616		0		16	101	(0			
3114	Fruit and Vegetable Preserving and Specialty Foo		6,866	6,322	0		Q	Q	(-	Q			
3115	Dairy Products	10,079	7,361	6,730	C		146	167	31		0			
3116	Animal Slaughtering and Processing	17,545	13,775	10,384	Q	154	Q	314	G	0	1,360	1,467		
312	Beverage and Tobacco Products	8,822	6,018	5,340	122	4	0	0	,	0	108	444		
3121	Beverages	7,572	4,810	W	122	. 0	0	0	(0 0	108	W		
3122	Tobacco	1,250	1,208	W	C		0	0	,	0	0			
313	Textile Mills	19,486		12,052	W		0	0	W		Q			
314	Textile Product Mills	5,919		4,582	W		W	0	0	-	48			
315	Apparel	2,013		1,227	0		0	0	(Q			
316	Leather and Allied Products	413	315	280	0		0	Q	(0			
321	Wood Products	27,564	21,260	19,013	157		192	121	26		239			
321113	Sawmills	7,563	5,281	4,390	Q		18	57	(-	128			
3212	Veneer, Plywood, and Engineered Woods	9,902		6,991	Q		161	64	(-	92			
3219	Other Wood Products	9,736		7,402	128		13	0	26		Q			
322	Paper	76,719			296		438	3,601	C		250			
322110	Pulp Mills	1,683	1,515		0		0	0	(0			
322121	Paper Mills, except Newsprint	25,561	21,624	18,086	2		0	594	-	-	51			
322122 322130	Newsprint Mills	9,294 23,515	6,430 19,223	6,430 14,551	0 187		0 438	0 3,007	(-	0 83			
322130	Paperboard Mills Printing and Related Support	12,995	8,281	6,925	187 Q		438	3,007	G		03 Q			
323	Petroleum and Coal Products	43,983		6,925 31,871	W		W	1,603	N N		57			
324110	Petroleum Refineries	40,527	34,189	29,473	Ŵ		Ŵ	1,603	Ň	-	31			
324110	Other Petroleum and Coal Products	40,527	549	523	C		5	1,003	15		0			
325	Chemicals	158,176	116,287	100,718	1,937		708	2,394	643		3,136			
325110	Petrochemicals		4,251	4,058	0		0	2,001	(0,100 W			
325120	Industrial Gases	20,925			0		0	314	(0			
325181	Alkalies and Chlorine	8,893		7,706	C		0	0	C		0			
325182	Carbon Black	690	690	614	C	76	0	0	(0 0	0	0		
325188	Other Basic Inorganic Chemicals	24,171	8,519	7,466	72	. 0	367	0	106	6 0	165	344		
325192	Cyclic Crudes and Intermediates	2,566	592	583	C	0	0	0	(0 0	0	9		
325193	Ethyl Alcohol	2,717	2,002	1,913	C) 1	31	15	(0 0	0	43		
325199	Other Basic Organic Chemicals	W	20,138	16,527	1,188	0	0	153	(1,146	1,124		
325211	Plastics Materials and Resins	20,536		15,317	C	w w	Q	1,236	C		Q			
325212	Synthetic Rubber	1,715		1,202	C		0	0	(•	25		
325222	Noncellulosic Organic Fibers	4,911	4,329	3,372	56		0	0	317		348			
325311	Nitrogenous Fertilizers	2,448		1,788	C		7	494	(27			
325312	Phosphatic Fertilizers	1,827	1,827	W	W		0	0		0	0			
3254	Pharmaceuticals and Medicines	9,224	7,301	5,867	0		293	83	0		404			
325412	Pharmaceutical Preparation	6,350			0		110	19	(286			
325992	Photographic Film, Paper, Plate, and Chemicals	1,059	756	696	0 1,347		0 W	43 Q	N N		Q	16		
326 327	Plastics and Rubber Products	53,404 43,914	37,726 35,038	31,978 31,170	1,347		154	Q 244	C C		719			
327 327211	Nonmetallic Mineral Products Flat Glass	43,914		1,292	183 C		154	244	(719 W			
327211	Other Pressed and Blown Glass and Glassware	5,121	1,565 Q	1,292 Q	0		0	0	G		43			
327212	Glass Containers	3,944	3,518	3,289	142		0	0	(43			
327215	Glass Products from Purchased Glass	3,544		2,723	27		0	14	G		33			
327213	Cements	12,931	11,120		27		126	193	(286			
327410	Lime	1,431	1,183	1,029	0		120 W	W	(0			
327410	Gypsum	1,845	1,757	1,756	0		0	0	(*	1		
327993	Mineral Wool	4,032	2,734	2,135	C		0	Q	(256			

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Table 10.20 Reasons that Made Electricity Unswitchable, 2006; Level: National Data; Row: NAICS Codes; Column: Reasons that Made Quantity Unswitchable; Unit: Million kWh.

	Subsector and Industry			Reasons that Made Electricity Unswitchable									
NAICS Code(a)		Total Amount of Electricity Consumed as a Fuel		Equipment is No Capable of UsingA Another Fuel	dversely Affects		nvironmenta		Unavailable Storage for Iternative Fuels(Another	Combinations of Columns F, G, H, I, J, and K		
331111	Iron and Steel Mills	51,381	43,551	38,929	809	2	2	924	(0 0	4	2,882	
331112	Electrometallurgical Ferroalloy Products	3,178	2,120		7	0	0	0	(0 0	0	0	
3312	Steel Products from Purchased Steel	4,396	3,428	3,034	0	0	0	0	() 0	Q	338	
3313	Alumina and Aluminum	45,796	35,335		39		0	15		0	3,937		
331314	Secondary Smelting and Alloying of Aluminum	611	473		0	0	0	0	() 0	28	62	
331315	Aluminum Sheet, Plate and Foils	3,871	2,916		0	-	0	0	() 0	0		
331316	Aluminum Extruded Products	1,994	1,442	, -	12		0	0	(0 0			
3314	Nonferrous Metals, except Aluminum	14,683	12,681	11,952	0	75	W	0	() 0	396		
3315	Foundries	16,781	14,852		5	65	W	135	274				
331511	Iron Foundries	8,563	8,047	7,366	0	58	Q	0	22	5 0	149	240	
331521	Aluminum Die-Casting Foundries	1,937	1,644		0	7	72	135	49	9 0	0		
331524	Aluminum Foundries, except Die-Casting	1,134	843	662	2	0	2	0	() 0	0	177	
332	Fabricated Metal Products	41,965	30,508		Q	_	Q	1,685	C	Q 0		.,	
333	Machinery	32,394	17,757	12,279	Q	Q	Q	Q	() 0	Q	Q	
334	Computer and Electronic Products	27,508	20,094	12,798	Q	Q	1,037	1,036	C	Q 0	,		
334413	Semiconductors and Related Devices	12,746	11,308	5,992	24	0	1,037	390	() 0	1,334	2,530	
335	Electrical Equip., Appliances, and Components	12,869	9,373		Q		0	Q	() 0	Q		
336	Transportation Equipment	57,250	44,838		Q	1,132	260	839	C	Q 0	Q	,	
336111	Automobiles	3,899	2,813		0	1	W	0	() 0	*	W	
336112	Light Trucks and Utility Vehicles	4,495	3,920	W	0	0	0	0	() 0	0	W	
3364	Aerospace Product and Parts	11,519	8,742	6,972	Q	518	157	Q	C	Q 0	108	959	
336411	Aircraft	3,446	2,994	2,224	0	518	0	0	() 0	23	229	
337	Furniture and Related Products	9,264	4,544		Q	-	0	Q	() 0	Q	000	
339	Miscellaneous	9,677	6,532		Q	Q	Q	Q	(0 0	Q		
	Total	854,102	647,591	553,374	6,926	5,696	5,951	13,575	2,478	3 0	15,528	44,064	

(a) The Bureau of the Census classifies establishments using the North American (a) The Duration and Control of the Co

the usable alternative fuel that could be used instead.

(c) Long-term contracts are typically with a utility or third-party supplier

such as an energy broker and requires the purchase of a fuel for an extended amount of time.

(d) The storage of usable alternative fuels is not available due to the potential environmental impact of storage tanks.

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. Establishment percents may not equal 100 percent because of unknown and/or unreported fuel-switching guesstimate.

Source: Energy Information Administration, Office of Energy Markets and End Use, Energy Consumption Division, Form EIA-846, '2006 Manufacturing Energy Consumption Survey.'