

Table 10.2 Capability to Switch Natural Gas to Alternative Energy Sources, 2006;
Level: National Data and Regional Totals;
Row: NAICS Codes, Value of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Billion Cubic Feet.

NAICS Code(a)	Subsector and Industry	Natural Gas		Alternative Energy Sources(b)							
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
Total United States											
311	Food	618	165	379	8	109	12	1	38	0	10
3112	Grain and Oilseed Milling	115	24	81	0	16	4	1	5	0	3
311221	Wet Corn Milling	51	4	44	0	2	0	1	2	0	*
31131	Sugar Manufacturing	17	5	10	0	5	1	0	0	0	*
3114	Fruit and Vegetable Preserving and Specialty Foods	123	Q	58	2	Q	2	0	2	0	1
3115	Dairy Products	80	13	58	*	7	1	0	5	0	*
3116	Animal Slaughtering and Processing	141	32	92	*	19	2	0	9	0	6
312	Beverage and Tobacco Products	40	18	16	*	11	5	*	1	0	1
3121	Beverages	37	16	16	*	9	4	*	1	0	1
3122	Tobacco	3	2	1	0	2	1	*	*	0	0
313	Textile Mills	63	20	32	Q	8	Q	0	7	0	Q
314	Textile Product Mills	45	Q	7	*	Q	2	*	Q	0	Q
315	Apparel	7	1	2	*	1	0	0	0	0	0
316	Leather and Allied Products	1	*	1	*	*	0	0	*	0	0
321	Wood Products	84	23	47	*	1	*	Q	3	0	1
321113	Sawmills	12	*	5	*	*	0	*	*	0	*
3212	Veneer, Plywood, and Engineered Woods	44	3	35	*	1	*	0	2	0	*
3219	Other Wood Products	27	Q	6	*	*	*	Q	1	0	*
322	Paper	461	105	324	19	41	34	6	11	2	9
322110	Pulp Mills	13	4	7	1	2	2	0	*	0	*
322121	Paper Mills, except Newsprint	169	34	120	5	9	11	3	1	0	6
322122	Newsprint Mills	8	6	3	4	1	1	0	0	0	0
322130	Paperboard Mills	138	40	91	7	19	11	3	1	2	2
323	Printing and Related Support	38	7	24	*	*	Q	0	Q	0	0
324	Petroleum and Coal Products	825	112	632	6	20	10	0	64	0	27
324110	Petroleum Refineries	766	98	595	6	15	7	0	59	0	25
324199	Other Petroleum and Coal Products	3	1	2	*	*	*	0	1	0	*
325	Chemicals	1,355	153	1,121	39	68	36	1	11	*	3
325110	Petrochemicals	107	2	98	*	*	*	0	1	0	1
325120	Industrial Gases	13	*	12	*	0	0	0	*	0	0
325181	Alkalies and Chlorine	103	27	76	27	*	0	0	*	0	*
325182	Carbon Black	10	2	8	0	1	1	0	0	0	0
325188	Other Basic Inorganic Chemicals	52	6	40	*	3	1	0	2	0	*
325192	Cyclic Crudes and Intermediates	15	*	8	*	*	*	0	0	0	*
325193	Ethyl Alcohol	80	3	60	0	1	*	*	2	0	1
325199	Other Basic Organic Chemicals	298	29	251	8	15	5	*	1	0	*
325211	Plastics Materials and Resins	324	21	289	*	15	3	0	Q	0	*
325212	Synthetic Rubber	25	4	21	*	2	2	0	*	0	1
325222	Noncellulosic Organic Fibers	33	23	10	*	7	17	0	*	0	*
325311	Nitrogenous Fertilizers	113	1	112	*	1	0	0	0	0	0
325312	Phosphatic Fertilizers	11	*	10	0	*	*	0	*	0	*
3254	Pharmaceuticals and Medicines	45	20	21	2	15	1	*	1	0	*
325412	Pharmaceutical Preparation	30	13	15	2	10	1	*	*	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	7	1	5	*	1	*	0	*	0	0
326	Plastics and Rubber Products	124	48	50	Q	30	20	0	Q	0	Q
327	Nonmetallic Mineral Products	446	98	271	3	29	2	1	63	*	3
327211	Flat Glass	50	19	21	0	9	0	0	10	0	*
327212	Other Pressed and Blown Glass and Glassware	Q	6	Q	0	2	0	0	4	0	3
327213	Glass Containers	49	8	34	1	4	*	0	5	0	0
327215	Glass Products from Purchased Glass	50	Q	13	*	0	*	*	Q	0	0
327310	Cements	19	2	11	*	1	*	1	*	*	*
327410	Lime	5	*	5	0	*	*	*	*	0	0
327420	Gypsum	74	10	62	*	8	1	0	1	0	0
327993	Mineral Wool	33	4	22	*	*	0	0	3	0	0
331	Primary Metals	568	52	444	2	8	5	1	29	4	3
331111	Iron and Steel Mills	317	22	258	*	2	3	*	10	4	1
331112	Electrometallurgical Ferroalloy Products	1	*	1	*	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	25	1	20	*	*	*	*	1	*	0
3313	Alumina and Aluminum	113	11	89	*	3	2	0	6	0	1
331314	Secondary Smelting and Alloying of Aluminum	17	1	13	*	1	0	0	*	0	0
331315	Aluminum Sheet, Plate and Foils	36	1	28	*	1	*	0	*	0	0
331316	Aluminum Extruded Products	17	5	9	*	*	1	0	3	0	1

Table 10.2 Capability to Switch Natural Gas to Alternative Energy Sources, 2006;
Level: National Data and Regional Totals;
Row: NAICS Codes, Value of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Billion Cubic Feet.

NAICS Code(a)	Subsector and Industry	Natural Gas			Alternative Energy Sources(b)						
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3314	Nonferrous Metals, except Aluminum	42	7	28	*	1	*	0	5	0	0
3315	Foundries	70	10	48	1	1	*	*	7	0	2
331511	Iron Foundries	23	5	16	*	1	*	*	3	0	2
331521	Aluminum Die-Casting Foundries	15	2	10	*	*	*	0	2	0	*
331524	Aluminum Foundries, except Die-Casting	13	1	6	*	*	0	0	1	0	0
332	Fabricated Metal Products	234	17	167	Q	Q	*	*	12	0	*
333	Machinery	82	15	46	1	Q	Q	0	Q	0	*
334	Computer and Electronic Products	44	9	25	Q	6	3	0	Q	0	*
334413	Semiconductors and Related Devices	18	3	12	*	1	2	0	*	0	*
335	Electrical Equip., Appliances, and Components	40	8	26	*	2	Q	*	4	*	*
336	Transportation Equipment	242	25	188	Q	7	6	*	13	*	*
336111	Automobiles	21	2	15	*	1	1	0	*	*	0
336112	Light Trucks and Utility Vehicles	24	4	19	0	2	*	0	3	0	*
3364	Aerospace Product and Parts	30	7	20	*	3	3	*	2	0	*
336411	Aircraft	8	3	5	*	2	1	0	1	0	*
337	Furniture and Related Products	16	1	10	*	*	0	*	Q	*	*
339	Miscellaneous	24	2	18	Q	*	*	0	*	0	0
	Total	5,357	915	3,828	94	363	152	27	295	6	61

Northeast Census Region

311	Food	32	10	17	Q	5	3	0	2	0	*
3112	Grain and Oilseed Milling	2	1	1	0	*	*	0	0	0	0
311221	Wet Corn Milling	0	0	0	0	0	0	0	0	0	0
31131	Sugar Manufacturing	3	3	*	0	3	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	3	1	1	0	*	1	0	*	0	0
3115	Dairy Products	7	1	5	*	1	*	0	0	0	0
3116	Animal Slaughtering and Processing	2	1	1	0	0	*	0	1	0	*
312	Beverage and Tobacco Products	6	3	1	0	1	2	0	0	0	0
3121	Beverages	6	3	1	0	1	2	0	0	0	0
3122	Tobacco	*	*	*	0	*	*	0	0	0	0
313	Textile Mills	7	Q	3	*	*	*	0	Q	0	*
314	Textile Product Mills	1	0	1	0	0	0	0	0	0	0
315	Apparel	*	*	*	*	*	0	0	0	0	0
316	Leather and Allied Products	*	*	*	*	0	0	0	0	0	0
321	Wood Products	6	*	4	0	0	*	0	*	0	*
321113	Sawmills	Q	*	*	0	0	*	0	0	0	*
3212	Veneer, Plywood, and Engineered Woods	3	0	3	0	0	0	0	0	0	0
3219	Other Wood Products	2	*	1	0	0	*	0	*	0	0
322	Paper	63	20	41	3	10	12	0	*	0	0
322110	Pulp Mills	*	0	0	0	0	0	0	0	0	0
322121	Paper Mills, except Newsprint	39	9	30	3	2	3	0	*	0	0
322122	Newsprint Mills	0	0	0	0	0	0	0	0	0	0
322130	Paperboard Mills	10	5	5	0	2	3	0	0	0	0
323	Printing and Related Support	5	2	3	*	0	Q	0	W	0	0
324	Petroleum and Coal Products	45	19	24	5	10	6	0	W	0	*
324110	Petroleum Refineries	37	16	21	5	6	6	0	W	0	0
324199	Other Petroleum and Coal Products	*	*	*	*	*	0	0	0	0	*
325	Chemicals	64	24	34	2	15	6	0	0	0	*
325110	Petrochemicals	*	*	*	*	*	0	0	0	0	0
325120	Industrial Gases	1	0	1	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	1	0	1	0	0	0	0	0	0	0
325182	Carbon Black	0	0	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	2	*	2	*	*	*	0	0	0	0
325192	Cyclic Crudes and Intermediates	4	*	2	0	0	0	0	0	0	*
325193	Ethyl Alcohol	*	0	0	0	0	0	0	0	0	0
325199	Other Basic Organic Chemicals	5	1	4	0	*	1	0	0	0	0
325211	Plastics Materials and Resins	7	4	2	0	Q	*	0	0	0	*
325212	Synthetic Rubber	*	0	*	0	0	0	0	0	0	0
325222	Noncellulosic Organic Fibers	*	*	*	0	0	*	0	0	0	0
325311	Nitrogenous Fertilizers	1	0	1	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	24	13	9	2	10	1	0	0	0	0
325412	Pharmaceutical Preparation	19	10	9	2	7	1	0	0	0	0

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NAICS Code(a)	Subsector and Industry	Natural Gas		Alternative Energy Sources(b)							
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
325992	Photographic Film, Paper, Plate, and Chemicals	3	*	3	*	*	*	0	0	0	0
326	Plastics and Rubber Products	21	Q	6	*	Q	Q	0	Q	0	0
327	Nonmetallic Mineral Products	56	14	28	Q	9	Q	*	2	*	*
327211	Flat Glass	9	7	*	0	5	0	0	2	0	0
327212	Other Pressed and Blown Glass and Glassware	4	*	2	0	0	0	0	*	0	0
327213	Glass Containers	10	*	7	*	*	*	0	*	0	0
327215	Glass Products from Purchased Glass	1	*	1	*	0	0	*	*	0	0
327310	Cements	*	*	*	0	0	0	0	0	*	0
327410	Lime	0	0	0	0	0	0	0	0	0	0
327420	Gypsum	8	4	5	0	3	1	0	0	0	0
327993	Mineral Wool	6	*	5	0	*	0	0	*	0	0
331	Primary Metals	80	16	58	1	3	2	0	9	2	*
331111	Iron and Steel Mills	48	9	37	*	1	0	0	6	2	*
331112	Electrometallurgical Ferroalloy Products	0	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	7	*	5	*	*	*	0	0	0	0
3313	Alumina and Aluminum	12	4	8	*	1	2	0	2	0	0
331314	Secondary Smelting and Alloying of Aluminum	*	*	*	*	0	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	5	1	4	0	1	0	0	*	0	0
331316	Aluminum Extruded Products	4	3	*	0	*	1	0	1	0	0
3314	Nonferrous Metals, except Aluminum	8	2	4	0	1	*	0	1	0	0
3315	Foundries	6	*	4	*	*	*	0	*	0	0
331511	Iron Foundries	2	*	1	*	0	0	0	*	0	0
331521	Aluminum Die-Casting Foundries	2	*	1	*	*	*	0	*	0	0
331524	Aluminum Foundries, except Die-Casting	1	*	1	*	*	0	0	*	0	0
332	Fabricated Metal Products	29	Q	23	*	Q	*	0	*	0	*
333	Machinery	Q	Q	5	*	*	Q	0	0	0	0
334	Computer and Electronic Products	9	3	4	*	*	2	0	*	0	*
334413	Semiconductors and Related Devices	4	2	2	*	*	2	0	0	0	*
335	Electrical Equip., Appliances, and Components	3	*	2	*	0	*	0	0	0	0
336	Transportation Equipment	Q	3	Q	*	Q	2	0	0	0	0
336111	Automobiles	*	*	*	*	0	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	0	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	5	2	3	0	*	2	0	0	0	0
336411	Aircraft	*	0	*	0	0	0	0	0	0	0
337	Furniture and Related Products	2	*	Q	0	*	0	0	0	0	0
339	Miscellaneous	6	*	4	0	0	0	0	0	0	0
	Total	480	135	288	14	60	51	*	34	2	1

Midwest Census Region

311	Food	289	97	169	Q	Q	6	*	22	0	6
3112	Grain and Oilseed Milling	89	18	65	0	12	3	*	4	0	2
311221	Wet Corn Milling	48	4	41	0	2	0	*	2	0	*
31131	Sugar Manufacturing	5	2	2	0	2	1	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	Q	Q	9	0	Q	*	0	1	0	1
3115	Dairy Products	29	9	18	*	5	1	0	4	0	*
3116	Animal Slaughtering and Processing	76	17	55	*	9	1	0	7	0	3
312	Beverage and Tobacco Products	8	3	3	0	Q	*	*	1	0	*
3121	Beverages	8	3	3	0	Q	*	*	1	0	*
3122	Tobacco	*	0	*	0	0	0	0	0	0	0
313	Textile Mills	*	0	*	0	0	0	0	0	0	0
314	Textile Product Mills	*	0	*	0	0	0	0	0	0	0
315	Apparel	*	0	*	0	0	0	0	0	0	0
316	Leather and Allied Products	1	*	*	*	*	0	0	*	0	0
321	Wood Products	38	Q	19	*	*	*	Q	1	0	*
321113	Sawmills	1	*	*	*	*	*	0	*	0	*
3212	Veneer, Plywood, and Engineered Woods	16	*	15	*	0	*	0	*	0	*
3219	Other Wood Products	Q	Q	3	*	*	0	Q	*	0	*
322	Paper	74	17	52	2	8	5	2	2	0	1
322110	Pulp Mills	*	*	*	0	*	0	0	0	0	*
322121	Paper Mills, except Newsprint	35	8	26	1	4	2	1	1	0	1
322122	Newsprint Mills	*	0	*	0	0	0	0	0	0	0
322130	Paperboard Mills	12	3	8	0	2	1	*	*	0	0
323	Printing and Related Support	12	Q	6	*	0	*	0	W	0	0

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NAICS Code(a)	Subsector and Industry	Natural Gas			Alternative Energy Sources(b)							
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)	
324	Petroleum and Coal Products	105	27	62	*	1	5	0	W	0	7	
324110	Petroleum Refineries	85	18	54	*	*	2	0	W	0	6	
324199	Other Petroleum and Coal Products	1	*	*	0	*	*	0	*	0	*	
325	Chemicals	196	16	155	*	10	1	*	5	0	1	
325110	Petrochemicals	2	0	2	0	0	0	0	0	0	0	
325120	Industrial Gases	1	*	1	*	0	0	0	*	0	0	
325181	Alkalies and Chlorine	*	*	*	0	0	0	0	*	0	0	
325182	Carbon Black	*	0	*	0	0	0	0	0	0	0	
325188	Other Basic Inorganic Chemicals	11	*	10	0	*	*	0	*	0	0	
325192	Cyclic Crudes and Intermediates	1	*	*	0	*	*	0	0	0	0	
325193	Ethyl Alcohol	78	2	58	0	*	0	*	2	0	*	
325199	Other Basic Organic Chemicals	29	2	24	0	2	0	*	1	0	0	
325211	Plastics Materials and Resins	19	Q	15	0	1	*	0	Q	0	0	
325212	Synthetic Rubber	1	*	*	*	*	*	0	*	0	*	
325222	Noncellulosic Organic Fibers	*	0	0	0	0	0	0	0	0	0	
325311	Nitrogenous Fertilizers	14	*	13	0	*	0	0	0	0	0	
325312	Phosphatic Fertilizers	0	0	0	0	0	0	0	0	0	0	
3254	Pharmaceuticals and Medicines	9	3	6	0	2	0	*	*	0	*	
325412	Pharmaceutical Preparation	5	1	3	0	1	0	*	0	0	0	
325992	Photographic Film, Paper, Plate, and Chemicals	*	*	*	0	*	0	0	*	0	0	
326	Plastics and Rubber Products	48	11	23	Q	Q	*	0	Q	0	0	
327	Nonmetallic Mineral Products	128	14	91	1	1	*	*	12	0	*	
327211	Flat Glass	15	5	8	0	*	0	0	5	0	0	
327212	Other Pressed and Blown Glass and Glassware	Q	*	Q	0	0	0	0	*	0	0	
327213	Glass Containers	12	2	9	*	1	0	0	1	0	0	
327215	Glass Products from Purchased Glass	3	*	2	*	0	*	0	*	0	0	
327310	Cements	10	1	3	*	*	*	*	*	0	*	
327410	Lime	2	*	2	0	*	0	0	*	0	0	
327420	Gypsum	13	1	12	0	0	0	0	1	0	0	
327993	Mineral Wool	14	3	8	*	0	0	0	2	0	0	
331	Primary Metals	279	15	222	1	1	2	*	9	3	*	
331111	Iron and Steel Mills	184	7	150	*	0	2	*	2	3	*	
331112	Electrometallurgical Ferroalloy Products	1	*	*	*	0	0	0	0	0	0	
3312	Steel Products from Purchased Steel	13	1	11	*	*	*	0	*	0	0	
3313	Alumina and Aluminum	26	1	22	*	0	0	0	1	0	0	
331314	Secondary Smelting and Alloying of Aluminum	10	*	7	*	0	0	0	0	0	0	
331315	Aluminum Sheet, Plate and Foils	9	0	9	0	0	0	0	0	0	0	
331316	Aluminum Extruded Products	5	1	4	*	0	0	0	1	0	0	
3314	Nonferrous Metals, except Aluminum	12	1	9	0	*	0	0	1	0	0	
3315	Foundries	43	6	29	1	*	*	*	5	0	*	
331511	Iron Foundries	13	2	11	*	*	*	*	2	0	0	
331521	Aluminum Die-Casting Foundries	10	1	7	*	0	*	0	1	0	*	
331524	Aluminum Foundries, except Die-Casting	9	1	3	*	0	0	0	1	0	0	
332	Fabricated Metal Products	118	15	89	Q	0	0	0	11	0	*	
333	Machinery	46	Q	24	1	Q	0	0	*	0	0	
334	Computer and Electronic Products	9	Q	5	Q	Q	Q	0	Q	0	*	
334413	Semiconductors and Related Devices	1	*	*	*	0	0	0	0	0	*	
335	Electrical Equip., Appliances, and Components	12	2	8	*	Q	Q	*	1	*	*	
336	Transportation Equipment	157	10	127	Q	1	Q	0	6	*	*	
336111	Automobiles	14	1	12	*	*	1	0	0	*	0	
336112	Light Trucks and Utility Vehicles	16	2	12	0	*	0	0	1	0	*	
3364	Aerospace Product and Parts	5	*	5	*	0	*	0	*	0	0	
336411	Aircraft	2	*	2	0	0	0	0	*	0	0	
337	Furniture and Related Products	10	Q	6	*	*	0	*	Q	*	*	
339	Miscellaneous	8	*	6	*	0	*	0	0	0	0	
	Total	1,537	256	1,070	17	108	23	Q	89	3	16	
South Census Region												
311	Food	165	47	91	3	30	3	Q	9	0	3	
3112	Grain and Oilseed Milling	19	5	11	0	Q	1	*	1	0	1	
311221	Wet Corn Milling	3	1	2	0	0	0	*	0	0	*	
31131	Sugar Manufacturing	8	*	6	0	0	0	0	0	0	*	
3114	Fruit and Vegetable Preserving and Specialty Foods	19	4	13	2	*	1	0	*	0	0	

Table 10.2 Capability to Switch Natural Gas to Alternative Energy Sources, 2006;**Level: National Data and Regional Totals;****Row: NAICS Codes, Value of Shipments and Employment Sizes;****Column: Energy Sources;****Unit: Billion Cubic Feet.**

NAICS Code(a)	Subsector and Industry	Natural Gas		Alternative Energy Sources(b)							
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
3115	Dairy Products	6	1	2	0	1	0	0	*	0	0
3116	Animal Slaughtering and Processing	48	13	25	0	10	Q	0	Q	0	2
312	Beverage and Tobacco Products	17	9	6	0	Q	2	*	*	0	0
3121	Beverages	14	Q	5	0	Q	1	0	*	0	0
3122	Tobacco	3	2	*	0	2	1	*	*	0	0
313	Textile Mills	53	16	28	Q	8	Q	0	5	0	Q
314	Textile Product Mills	Q	Q	5	0	Q	2	0	Q	0	*
315	Apparel	6	1	2	0	1	0	0	0	0	0
316	Leather and Allied Products	*	*	*	*	0	0	0	0	0	0
321	Wood Products	23	2	15	*	Q	*	0	1	0	*
321113	Sawmills	2	*	1	*	*	*	0	*	0	*
3212	Veneer, Plywood, and Engineered Woods	17	1	13	0	*	0	0	1	0	0
3219	Other Wood Products	2	Q	1	*	0	0	0	*	0	*
322	Paper	243	45	185	8	10	11	5	Q	2	8
322110	Pulp Mills	W	4	W	1	2	2	0	0	0	0
322121	Paper Mills, except Newsprint	69	15	49	1	2	3	2	*	0	5
322122	Newsprint Mills	*	*	*	0	0	0	0	0	0	0
322130	Paperboard Mills	78	18	57	5	4	5	3	*	2	2
323	Printing and Related Support	19	Q	Q	*	*	Q	0	Q	0	0
324	Petroleum and Coal Products	490	36	404	*	8	*	0	21	0	7
324110	Petroleum Refineries	478	35	395	*	8	*	0	20	0	7
324199	Other Petroleum and Coal Products	1	*	1	0	0	0	0	*	0	0
325	Chemicals	1,055	110	901	36	42	29	*	5	0	2
325110	Petrochemicals	104	1	96	0	0	*	0	1	0	1
325120	Industrial Gases	10	0	10	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	91	27	63	27	*	0	0	*	0	*
325182	Carbon Black	10	2	8	0	1	1	0	0	0	0
325188	Other Basic Inorganic Chemicals	29	4	24	*	2	1	0	1	0	*
325192	Cyclic Crudes and Intermediates	10	*	5	*	*	*	0	0	0	0
325193	Ethyl Alcohol	2	*	2	0	*	*	0	*	0	0
325199	Other Basic Organic Chemicals	262	25	222	8	13	4	*	1	0	*
325211	Plastics Materials and Resins	296	13	271	*	10	3	0	1	0	*
325212	Synthetic Rubber	25	4	21	*	2	2	0	0	0	*
325222	Noncellulosic Organic Fibers	33	23	10	*	7	17	0	*	0	*
325311	Nitrogenous Fertilizers	95	1	94	*	1	0	0	0	0	0
325312	Phosphatic Fertilizers	W	*	W	0	*	*	0	*	0	*
3254	Pharmaceuticals and Medicines	8	4	3	*	3	1	0	*	0	0
325412	Pharmaceutical Preparation	4	2	1	*	2	1	0	*	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	W	1	W	*	*	*	0	*	0	0
326	Plastics and Rubber Products	51	26	18	*	19	13	0	Q	0	Q
327	Nonmetallic Mineral Products	206	64	105	Q	17	*	*	Q	*	3
327211	Flat Glass	20	4	10	0	3	0	0	1	0	0
327212	Other Pressed and Blown Glass and Glassware	17	6	6	0	2	0	0	3	0	3
327213	Glass Containers	17	3	12	*	1	0	0	2	0	0
327215	Glass Products from Purchased Glass	Q	Q	10	*	0	0	0	Q	0	0
327310	Cements	5	*	5	*	*	*	*	*	*	*
327410	Lime	3	*	3	0	0	0	*	0	0	0
327420	Gypsum	31	5	23	*	5	0	0	0	0	0
327993	Mineral Wool	11	1	7	0	0	0	0	1	0	0
331	Primary Metals	165	17	128	*	4	1	*	9	*	3
331111	Iron and Steel Mills	68	5	58	*	2	1	*	2	0	*
331112	Electrometallurgical Ferroalloy Products	*	0	*	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	5	*	3	*	0	0	*	*	*	0
3313	Alumina and Aluminum	67	6	52	*	1	*	0	3	0	1
331314	Secondary Smelting and Alloying of Aluminum	6	1	4	0	1	0	0	0	0	0
331315	Aluminum Sheet, Plate and Foils	19	*	13	*	*	0	0	0	0	0
331316	Aluminum Extruded Products	5	2	3	*	0	0	0	1	0	1
3314	Nonferrous Metals, except Aluminum	8	2	5	*	1	0	0	1	0	0
3315	Foundries	17	4	10	*	1	*	0	1	0	2
331511	Iron Foundries	7	4	3	*	*	0	0	1	0	2
331521	Aluminum Die-Casting Foundries	3	*	1	*	*	*	0	*	0	0
331524	Aluminum Foundries, except Die-Casting	3	*	2	*	0	0	*	Q	0	0
332	Fabricated Metal Products	71	Q	41	*	*	*	*	Q	0	0
333	Machinery	20	Q	16	*	0	*	0	Q	0	*
334	Computer and Electronic Products	9	1	6	*	1	0	0	*	0	0

Table 10.2 Capability to Switch Natural Gas to Alternative Energy Sources, 2006;**Level: National Data and Regional Totals;****Row: NAICS Codes, Value of Shipments and Employment Sizes;****Column: Energy Sources;****Unit: Billion Cubic Feet.**

NAICS Code(a)	Subsector and Industry	Natural Gas			Alternative Energy Sources(b)						
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
334413	Semiconductors and Related Devices	4	1	3	*	1	0	0	*	0	0
335	Electrical Equip., Appliances, and Components	23	6	14	*	Q	Q	0	3	0	0
336	Transportation Equipment	38	9	24	Q	3	3	*	7	0	*
336111	Automobiles	5	1	3	0	1	0	0	0	0	0
336112	Light Trucks and Utility Vehicles	9	2	6	0	1	*	0	2	0	0
3364	Aerospace Product and Parts	9	3	5	*	*	1	*	2	0	*
336411	Aircraft	3	1	2	0	0	1	0	1	0	0
337	Furniture and Related Products	4	*	2	*	0	0	0	*	0	0
339	Miscellaneous	9	1	Q	*	*	0	0	*	0	0
	Total	2,709	431	2,013	52	166	72	7	139	2	28
West Census Region											
311	Food	131	11	102	2	4	*	0	5	0	1
3112	Grain and Oilseed Milling	5	*	4	0	0	0	0	*	0	0
311221	Wet Corn Milling	1	*	1	0	0	0	0	*	0	0
31131	Sugar Manufacturing	2	0	2	0	0	0	0	0	0	0
3114	Fruit and Vegetable Preserving and Specialty Foods	46	4	35	*	2	*	0	Q	0	*
3115	Dairy Products	38	2	33	*	Q	*	0	1	0	0
3116	Animal Slaughtering and Processing	15	1	11	*	*	0	0	0	0	Q
312	Beverage and Tobacco Products	9	3	6	*	1	0	0	0	0	1
3121	Beverages	9	3	6	*	1	0	0	0	0	1
3122	Tobacco	0	0	0	0	0	0	0	0	0	0
313	Textile Mills	Q	0	*	0	0	0	0	0	0	0
314	Textile Product Mills	1	1	*	*	0	0	*	*	0	Q
315	Apparel	*	0	*	0	0	0	0	0	0	0
316	Leather and Allied Products	*	*	*	*	0	0	0	0	0	0
321	Wood Products	17	2	10	*	1	*	0	1	0	*
321113	Sawmills	8	*	4	*	0	0	0	0	0	*
3212	Veneer, Plywood, and Engineered Woods	7	2	5	0	*	0	0	1	0	*
3219	Other Wood Products	2	*	1	*	0	*	0	0	0	*
322	Paper	82	24	45	6	13	6	0	2	0	*
322110	Pulp Mills	W	1	W	0	0	1	0	*	0	*
322121	Paper Mills, except Newsprint	25	3	15	0	*	2	0	*	0	*
322122	Newsprint Mills	8	5	3	4	1	1	0	0	0	0
322130	Paperboard Mills	38	14	21	2	11	2	0	1	0	0
323	Printing and Related Support	2	*	Q	*	0	0	0	0	0	0
324	Petroleum and Coal Products	185	30	141	1	*	*	0	16	0	13
324110	Petroleum Refineries	166	29	126	1	*	*	0	16	0	13
324199	Other Petroleum and Coal Products	*	0	*	0	0	0	0	0	0	0
325	Chemicals	40	3	31	*	1	*	*	1	*	*
325110	Petrochemicals	*	0	*	0	0	0	0	0	0	0
325120	Industrial Gases	*	0	*	0	0	0	0	0	0	0
325181	Alkalies and Chlorine	12	0	12	0	0	0	0	0	0	0
325182	Carbon Black	*	0	0	0	0	0	0	0	0	0
325188	Other Basic Inorganic Chemicals	10	2	4	*	0	0	0	Q	0	0
325192	Cyclic Crudes and Intermediates	*	0	0	0	0	0	0	0	0	0
325193	Ethyl Alcohol	*	*	*	0	*	0	0	0	0	*
325199	Other Basic Organic Chemicals	2	*	1	0	0	*	0	0	0	0
325211	Plastics Materials and Resins	1	*	1	0	*	0	0	0	0	0
325212	Synthetic Rubber	*	*	*	*	*	*	0	0	0	0
325222	Noncellulosic Organic Fibers	0	0	0	0	0	0	0	0	0	0
325311	Nitrogenous Fertilizers	4	0	4	0	0	0	0	0	0	0
325312	Phosphatic Fertilizers	W	0	W	0	0	0	0	0	0	0
3254	Pharmaceuticals and Medicines	4	*	3	0	0	0	0	*	0	0
325412	Pharmaceutical Preparation	3	0	2	0	0	0	0	0	0	0
325992	Photographic Film, Paper, Plate, and Chemicals	W	*	W	0	*	0	0	*	0	0
326	Plastics and Rubber Products	4	*	2	*	0	0	0	*	0	*
327	Nonmetallic Mineral Products	57	7	46	*	3	*	*	4	0	*
327211	Flat Glass	6	3	3	0	1	0	0	2	0	*
327212	Other Pressed and Blown Glass and Glassware	1	*	1	0	0	0	0	*	0	0
327213	Glass Containers	10	3	6	0	1	0	0	2	0	0
327215	Glass Products from Purchased Glass	*	*	*	*	0	0	0	*	0	0
327310	Cements	4	1	3	0	*	0	*	0	0	0

Table 10.2 Capability to Switch Natural Gas to Alternative Energy Sources, 2006;
Level: National Data and Regional Totals;
Row: NAICS Codes, Value of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Billion Cubic Feet.

NAICS Code(a)	Subsector and Industry	Natural Gas		Alternative Energy Sources(b)								
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)	
327410	Lime	*	*	*	0	0	*	0	0	0	0	0
327420	Gypsum	22	0	22	0	0	0	0	0	0	0	0
327993	Mineral Wool	3	*	3	0	*	0	0	0	0	0	0
331	Primary Metals	45	4	35	*	*	*	0	3	0	0	*
331111	Iron and Steel Mills	18	0	13	0	0	0	0	0	0	0	0
331112	Electrometallurgical Ferroalloy Products	*	0	0	0	0	0	0	0	0	0	0
3312	Steel Products from Purchased Steel	1	*	1	*	0	0	0	0	0	0	0
3313	Alumina and Aluminum	8	1	7	0	*	*	0	*	0	0	0
331314	Secondary Smelting and Alloying of Aluminum	2	*	1	0	0	0	0	*	0	0	0
331315	Aluminum Sheet, Plate and Foils	2	*	1	0	*	*	0	*	0	0	0
331316	Aluminum Extruded Products	3	0	3	0	0	0	0	0	0	0	0
3314	Nonferrous Metals, except Aluminum	14	3	10	*	0	*	0	3	0	0	0
3315	Foundries	5	*	4	*	0	0	0	*	0	0	*
331511	Iron Foundries	1	*	1	0	0	0	0	*	0	0	0
331521	Aluminum Die-Casting Foundries	*	*	*	*	0	0	0	0	0	0	*
331524	Aluminum Foundries, except Die-Casting	1	*	*	*	0	0	0	0	0	0	0
332	Fabricated Metal Products	16	*	14	0	0	*	0	0	0	0	0
333	Machinery	2	*	1	*	0	0	0	*	0	0	0
334	Computer and Electronic Products	17	Q	10	*	Q	0	0	*	0	0	*
334413	Semiconductors and Related Devices	9	*	6	*	*	0	0	*	0	0	0
335	Electrical Equip., Appliances, and Components	Q	0	Q	0	0	0	0	0	0	0	0
336	Transportation Equipment	16	3	9	Q	2	*	0	*	0	0	*
336111	Automobiles	1	*	*	*	0	*	0	*	0	0	0
336112	Light Trucks and Utility Vehicles	*	0	0	0	0	0	0	0	0	0	0
3364	Aerospace Product and Parts	10	2	8	*	2	0	0	*	0	0	*
336411	Aircraft	2	2	1	*	2	0	0	*	0	0	*
337	Furniture and Related Products	1	*	*	*	0	0	0	*	0	0	0
339	Miscellaneous	1	*	1	*	0	0	0	0	0	0	0
	Total	631	92	456	11	28	7	*	32	*		17
Economic Characteristic (f)												
Value of Shipments and Receipts (million dollars)												
Under 20	520	99	294	9	Q	7	*	15	*		4	
20-49	515	103	329	7	28	16	*	61	*		3	
50-99	534	106	357	7	40	14	Q	32	0		2	
100-249	966	208	654	14	94	25	3	76	1		7	
250-499	615	112	428	6	58	28	3	27	1		7	
500 and Over	2,207	286	1,766	50	70	63	3	84	5		38	
Total	5,357	915	3,828	94	363	152	27	295	6		61	
Employment Size												
Under 50	534	98	357	5	42	7	Q	46	*		4	
50-99	505	113	301	6	78	12	*	21	*		5	
100-249	995	161	683	10	61	29	Q	45	*		14	
250-499	1,103	180	818	19	63	23	3	75	2		8	
500-999	1,121	206	797	20	57	44	2	86	0		19	
1000 and Over	1,099	157	872	35	61	37	3	23	5		10	
Total	5,357	915	3,828	94	363	152	27	295	6		61	

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

(b) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for natural gas during 2006. The quantities are expressed in billions of cubic feet, and therefore represent the quantity of natural gas that could have been displaced by the given alternative type of energy.

(c) 'Total Consumed' represents those quantities (Total Inputs) of natural gas that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

(d) '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

Table 10.2 Capability to Switch Natural Gas to Alternative Energy Sources, 2006;
Level: National Data and Regional Totals;
Row: NAICS Codes, Value of Shipments and Employment Sizes;
Column: Energy Sources;
Unit: Billion Cubic Feet.

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

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 natural gas.

(f) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.

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,' and the Bureau of the Census, data files for the '2006 Annual Survey of Manufacturers.'

Released: June 2010

Next MECS will be conducted in 2010

**RSE Table 10.2 Relative Standard Errors for Table 10.2;
Unit: Percents.**

NAICS Code(a)	Subsector and Industry	Natural Gas			Alternative Energy Sources(b)						
		Total Consumed(c)	Switchable	Not Switchable	Electricity Receipts(d)	Distillate Fuel Oil	Residual Fuel Oil	Coal	LPG	Coal Coke and Breeze	Other(e)
Total United States											
311	Food	7.1	24.2	4.7	30.8	36.4	9.3	47.3	11.1	X	12.2
3112	Grain and Oilseed Milling	3.9	10.5	4.3	X	15.7	7.1	0.0	11.7	X	8.0
311221	Wet Corn Milling	0.0	0.0	0.0	X	0.0	X	0.0	0.0	X	0.0
31131	Sugar Manufacturing	0.0	0.0	0.0	X	0.0	0.0	X	X	X	0.0
3114	Fruit and Vegetable Preserving and Specialty Foods	30.5	74.6	7.2	7.2	84.1	12.3	X	28.6	X	20.6
3115	Dairy Products	13.8	8.1	19.1	64.4	11.1	15.2	X	12.3	X	96.5
3116	Animal Slaughtering and Processing	5.7	11.6	7.0	62.2	16.0	28.0	X	22.4	X	19.1
312	Beverage and Tobacco Products	11.4	24.2	8.4	86.4	40.6	0.8	0.0	0.0	X	7.2
3121	Beverages	12.3	27.6	8.7	86.4	47.9	1.0	0.0	0.0	X	7.2
3122	Tobacco	0.0	0.0	0.0	X	0.0	0.0	0.0	0.0	X	X
313	Textile Mills	23.7	20.5	43.2	91.9	30.2	51.7	X	39.7	X	76.6
314	Textile Product Mills	49.7	61.0	19.6	96.4	51.9	43.2	97.3	68.7	X	73.5
315	Apparel	20.4	33.0	25.5	97.4	33.0	X	X	X	X	X
316	Leather and Allied Products	11.2	26.3	15.0	43.8	0.0	X	X	69.1	X	X
321	Wood Products	15.2	47.3	11.8	31.4	26.8	51.0	63.8	13.3	X	28.7
321113	Sawmills	34.1	11.4	3.6	0.8	55.2	37.1	X	6.7	X	1.8
3212	Veneer, Plywood, and Engineered Woods	12.8	13.0	15.7	97.0	26.8	97.0	X	17.7	X	23.2
3219	Other Wood Products	40.0	57.6	12.1	39.0	6.0	68.4	63.8	7.8	X	64.1
322	Paper	8.5	6.9	11.9	4.6	11.5	13.9	0.0	48.1	0.0	0.0
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	23.1	35.4	33.8	74.5	82.4	53.9	X	54.1	X	X
324	Petroleum and Coal Products	1.5	3.3	1.7	0.5	11.8	11.6	X	4.1	X	0.4
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0
325	Chemicals	1.1	4.2	1.1	1.6	8.2	6.4	0.4	19.5	97.2	3.1
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0
325120	Industrial Gases	2.0	98.6	1.0	88.7	X	X	X	99.1	X	X
325181	Alkalies and Chlorine	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	0.0
325182	Carbon Black	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
325188	Other Basic Inorganic Chemicals	5.1	7.8	6.4	9.5	2.1	3.7	X	24.5	X	0.0
325192	Cyclic Crudes and Intermediates	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	0.0
325193	Ethyl Alcohol	0.0	0.0	0.0	X	0.0	0.0	0.0	0.0	X	0.0
325199	Other Basic Organic Chemicals	0.9	1.5	1.1	0.0	2.8	2.7	0.0	0.0	X	0.0
325211	Plastics Materials and Resins	1.7	24.8	0.6	0.0	32.0	1.1	X	61.5	X	17.0
325212	Synthetic Rubber	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0
325222	Noncellulosic Organic Fibers	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	0.0
3254	Pharmaceuticals and Medicines	2.2	1.5	3.3	0.5	1.8	6.6	0.0	10.2	X	89.3
325412	Pharmaceutical Preparation	2.6	1.7	4.0	0.5	2.1	6.6	0.0	29.0	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	1.5	0.2	1.8	27.6	0.2	0.0	X	0.0	X	X
326	Plastics and Rubber Products	12.1	19.3	16.2	53.5	24.2	31.4	X	50.3	X	68.5
327	Nonmetallic Mineral Products	9.2	25.1	11.9	30.9	0.9	48.7	1.2	39.0	0.0	5.4
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	0.0	X	0.0
327212	Other Pressed and Blown Glass and Glassware	50.1	0.8	67.6	X	0.0	X	X	1.4	X	0.0
327213	Glass Containers	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X

327215	Glass Products from Purchased Glass	48.9	71.0	0.7	25.9	X	0.0	95.6	71.3	X	X
327310	Cements	4.7	0.6	8.3	0.0	0.0	0.0	0.0	0.7	0.0	16.6
327410	Lime	0.0	0.0	0.0	X	0.0	0.0	0.0	0.0	X	X
327420	Gypsum	0.1	0.1	0.1	90.1	0.0	0.0	X	0.0	X	X
327993	Mineral Wool	0.2	0.0	0.3	0.0	0.0	X	X	0.0	X	X
331	Primary Metals	0.7	0.8	0.8	10.5	3.6	0.7	0.3	0.8	0.1	0.0
331111	Iron and Steel Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
331112	Electrometallurgical Ferroalloy Products	0.0	0.0	0.0	0.0	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	6.8	20.7	7.4	20.9	63.4	24.0	43.7	13.3	43.7	X
3313	Alumina and Aluminum	0.1	0.3	0.1	1.8	0.0	0.0	X	0.4	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X
331316	Aluminum Extruded Products	0.5	0.7	0.9	7.7	0.0	0.0	X	0.8	X	0.0
3314	Nonferrous Metals, except Aluminum	3.9	2.1	5.2	2.4	0.0	0.0	X	2.6	X	X
3315	Foundries	4.6	2.4	6.0	20.2	0.1	0.0	0.0	2.1	X	0.0
331511	Iron Foundries	1.1	0.8	1.5	12.4	0.0	0.0	0.0	1.4	X	0.0
331521	Aluminum Die-Casting Foundries	19.3	6.1	27.3	2.5	0.0	0.0	X	7.8	X	0.0
331524	Aluminum Foundries, except Die-Casting	10.3	1.8	2.7	10.5	48.8	X	X	0.1	X	X
332	Fabricated Metal Products	12.6	35.6	14.9	59.8	72.8	53.2	99.0	45.8	X	70.9
333	Machinery	18.8	45.7	17.0	35.8	56.0	97.3	X	63.2	X	84.1
334	Computer and Electronic Products	11.4	28.6	15.0	75.7	43.9	33.3	X	68.2	X	4.5
334413	Semiconductors and Related Devices	4.8	0.5	7.2	27.5	0.6	0.0	X	0.0	X	0.0
335	Electrical Equip., Appliances, and Components	11.3	25.7	14.6	42.8	40.6	53.0	70.2	35.3	70.2	70.2
336	Transportation Equipment	22.0	12.0	28.1	50.5	9.6	27.8	0.0	17.8	0.0	45.8
336111	Automobiles	0.7	0.0	0.9	0.0	0.0	0.0	X	0.0	0.0	X
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	0.0
3364	Aerospace Product and Parts	4.7	5.7	3.0	20.4	2.4	1.1	0.0	10.0	X	43.2
336411	Aircraft	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0
337	Furniture and Related Products	13.1	45.1	15.8	84.5	76.3	X	98.8	56.6	98.8	98.8
339	Miscellaneous	19.6	38.2	24.9	62.4	88.3	82.7	X	78.3	X	X
	Total	1.9	6.1	2.2	5.3	11.6	7.2	39.2	10.5	0.2	3.0

Northeast Census Region

311	Food	9.3	11.9	14.4	64.0	8.8	26.4	X	31.5	X	95.5
3112	Grain and Oilseed Milling	28.4	0.0	10.8	X	0.0	0.0	X	X	X	X
311221	Wet Corn Milling	X	X	X	X	X	X	X	X	X	X
31131	Sugar Manufacturing	0.0	0.0	0.0	X	0.0	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Foods	19.4	36.8	38.9	X	54.8	41.7	X	68.5	X	X
3115	Dairy Products	10.3	20.2	13.7	93.4	20.7	64.4	X	X	X	X
3116	Animal Slaughtering and Processing	26.3	31.7	44.4	X	X	0.0	X	32.5	X	95.5
312	Beverage and Tobacco Products	12.9	7.6	30.0	X	24.2	0.0	X	X	X	X
3121	Beverages	13.2	8.0	30.4	X	27.1	0.0	X	X	X	X
3122	Tobacco	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
313	Textile Mills	47.9	65.3	43.3	98.0	97.4	27.1	X	98.0	X	98.0
314	Textile Product Mills	34.0	X	34.2	X	X	X	X	X	X	X
315	Apparel	53.4	69.0	79.5	97.4	69.2	X	X	X	X	X
316	Leather and Allied Products	26.5	65.2	37.3	65.2	X	X	X	X	X	X
321	Wood Products	23.2	4.3	32.4	X	X	41.6	X	0.0	X	0.0
321113	Sawmills	52.7	36.9	25.7	X	X	40.6	X	X	X	0.0
3212	Veneer, Plywood, and Engineered Woods	38.1	X	49.5	X	X	X	X	X	X	X
3219	Other Wood Products	13.9	3.9	19.6	X	X	76.9	X	0.0	X	X
322	Paper	9.3	23.3	8.8	0.0	47.4	38.5	X	0.0	X	X
322110	Pulp Mills	0.0	X	X	X	X	X	X	X	X	X
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X
322122	Newsprint Mills	X	X	X	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
323	Printing and Related Support	27.5	43.7	40.1	94.6	X	59.7	X	83.4	X	X
324	Petroleum and Coal Products	6.3	12.0	6.3	0.0	23.7	0.0	X	0.0	X	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	0.0	0.0	X	X	X	X	0.0
325	Chemicals	8.8	13.3	10.8	0.4	14.8	37.5	X	X	X	30.7

325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
325120	Industrial Gases	2.1	X	2.2	X	X	X	X	X	X	X
325181	Alkalies and Chlorine	0.0	X	0.0	X	X	X	X	X	X	X
325182	Carbon Black	X	X	X	X	X	X	X	X	X	X
325188	Other Basic Inorganic Chemicals	14.5	10.8	16.1	98.6	25.3	9.2	X	X	X	X
325192	Cyclic Crudes and Intermediates	0.0	0.0	0.0	X	X	X	X	X	X	0.0
325193	Ethyl Alcohol	0.0	X	X	X	X	X	X	X	X	X
325199	Other Basic Organic Chemicals	4.8	12.3	5.3	X	20.5	15.2	X	X	X	X
325211	Plastics Materials and Resins	31.2	49.2	17.6	X	58.2	0.0	X	X	X	35.6
325212	Synthetic Rubber	0.0	X	0.0	X	X	X	X	X	X	X
325222	Noncellulosic Organic Fibers	0.0	0.0	0.0	X	X	0.0	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	2.5	0.5	5.8	0.0	0.3	8.2	X	X	X	X
325412	Pharmaceutical Preparation	3.0	0.7	5.9	0.0	0.5	8.2	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.2	0.0	0.2	0.0	0.0	0.0	X	X	X	X
326	Plastics and Rubber Products	33.1	52.6	38.8	97.4	71.1	67.8	X	66.4	X	X
327	Nonmetallic Mineral Products	8.1	9.1	10.5	61.9	0.0	56.2	31.3	7.5	0.0	57.8
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
327212	Other Pressed and Blown Glass and Glassware	0.0	0.0	0.0	X	X	X	X	0.0	X	X
327213	Glass Containers	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X
327215	Glass Products from Purchased Glass	8.8	77.2	8.7	80.3	X	X	95.6	87.1	X	X
327310	Cements	2.5	0.0	7.0	X	X	X	X	X	0.0	X
327410	Lime	X	X	X	X	X	X	X	X	X	X
327420	Gypsum	0.1	0.0	0.1	X	0.0	0.0	X	X	X	X
327993	Mineral Wool	0.1	0.0	0.1	X	0.0	X	X	0.0	X	X
331	Primary Metals	1.5	1.9	1.1	15.9	10.0	0.0	X	0.7	0.0	0.0
331111	Iron and Steel Mills	0.0	0.0	0.0	0.0	0.0	X	X	0.0	0.0	0.0
331112	Electrometallurgical Ferroalloy Products	X	X	X	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	13.7	55.9	9.2	0.0	75.0	0.0	X	X	X	X
3313	Alumina and Aluminum	0.1	0.0	0.1	0.0	0.0	0.0	X	0.0	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	0.0	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
331316	Aluminum Extruded Products	0.2	0.0	1.4	X	0.0	0.0	X	0.0	X	X
3314	Nonferrous Metals, except Aluminum	9.5	4.4	10.6	X	0.0	0.0	X	6.4	X	X
3315	Foundries	3.1	21.3	3.3	68.6	1.2	0.0	X	2.4	X	X
331511	Iron Foundries	4.2	11.1	6.4	0.0	X	X	X	11.1	X	X
331521	Aluminum Die-Casting Foundries	2.2	0.0	2.3	0.0	0.0	0.0	X	0.0	X	X
331524	Aluminum Foundries, except Die-Casting	7.0	33.7	5.5	33.7	48.8	X	X	48.8	X	X
332	Fabricated Metal Products	37.8	69.6	44.3	62.8	78.5	76.1	X	61.0	X	99.0
333	Machinery	62.4	92.7	49.5	99.0	92.6	97.4	X	X	X	X
334	Computer and Electronic Products	10.9	9.8	14.0	65.0	18.7	10.7	X	97.6	X	0.0
334413	Semiconductors and Related Devices	3.3	0.7	6.5	95.8	0.0	0.0	X	X	X	0.0
335	Electrical Equip., Appliances, and Components	23.2	88.9	22.1	97.1	X	94.7	X	X	X	X
336	Transportation Equipment	57.1	20.0	63.7	0.0	54.7	0.0	X	X	X	X
336111	Automobiles	0.0	0.0	0.0	0.0	X	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	X	X	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	1.6	0.0	2.3	X	0.0	0.0	X	X	X	X
336411	Aircraft	0.0	X	0.0	X	X	X	X	X	X	X
337	Furniture and Related Products	42.5	91.6	50.3	X	91.6	X	X	X	X	X
339	Miscellaneous	26.9	99.2	31.4	X	X	X	X	X	X	X
	Total	5.4	7.7	7.6	6.4	10.8	18.0	31.3	10.9	0.0	31.8

Midwest Census Region

311	Food	13.2	38.6	4.6	95.1	53.0	5.5	0.0	15.0	X	7.7
3112	Grain and Oilseed Milling	3.7	8.6	4.3	X	12.1	7.9	0.0	13.0	X	11.3
311221	Wet Corn Milling	0.0	0.0	0.0	X	0.0	X	0.0	0.0	X	0.0
31131	Sugar Manufacturing	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Foods	67.3	88.9	17.5	X	91.0	0.0	X	34.1	X	0.0
3115	Dairy Products	15.0	9.3	24.2	70.2	12.2	16.6	X	14.5	X	96.5
3116	Animal Slaughtering and Processing	4.9	11.9	5.4	65.6	10.5	6.2	X	27.1	X	11.9
312	Beverage and Tobacco Products	10.8	16.4	19.3	X	50.1	0.0	0.0	0.0	X	72.1

3121	Beverages	10.9	16.4	19.9	X	50.1	0.0	0.0	0.0	X	72.1
3122	Tobacco	0.0	X	0.0	X	X	X	X	X	X	X
313	Textile Mills	81.5	X	81.5	X	X	X	X	X	X	X
314	Textile Product Mills	42.9	X	49.5	X	X	X	X	X	X	X
315	Apparel	52.2	X	51.1	X	X	X	X	X	X	X
316	Leather and Allied Products	12.9	30.2	16.0	25.8	0.0	X	X	69.1	X	X
321	Wood Products	30.8	60.2	27.0	39.1	6.5	86.5	63.8	33.1	X	57.9
321113	Sawmills	6.7	44.8	16.0	8.9	56.4	0.0	X	0.0	X	80.0
3212	Veneer, Plywood, and Engineered Woods	31.6	62.6	33.5	97.0	X	97.0	X	97.0	X	69.6
3219	Other Wood Products	50.8	61.7	20.0	49.7	6.0	X	63.8	16.4	X	69.5
322	Paper	4.5	8.6	5.2	41.6	8.1	22.0	0.0	18.3	X	0.0
322110	Pulp Mills	0.0	0.0	0.0	X	0.0	X	X	X	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint Mills	0.0	X	0.0	X	X	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	X	0.0	0.0	0.0	0.0	X	X
323	Printing and Related Support	21.6	65.5	29.7	99.1	X	79.5	X	66.5	X	X
324	Petroleum and Coal Products	4.9	10.2	5.2	0.0	14.4	25.8	X	16.8	X	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	0.0
325	Chemicals	3.6	18.9	3.8	38.9	22.4	9.1	0.0	42.9	X	9.2
325110	Petrochemicals	0.0	X	0.0	X	X	X	X	X	X	X
325120	Industrial Gases	21.7	98.6	0.3	88.7	X	X	X	99.1	X	X
325181	Alkalies and Chlorine	0.0	0.0	0.0	X	X	X	X	0.0	X	X
325182	Carbon Black	0.0	X	0.0	X	X	X	X	X	X	X
325188	Other Basic Inorganic Chemicals	5.9	0.0	6.2	X	0.0	0.0	X	0.0	X	X
325192	Cyclic Crudes and Intermediates	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
325193	Ethyl Alcohol	0.0	0.0	0.0	X	0.0	X	0.0	0.0	X	0.0
325199	Other Basic Organic Chemicals	5.4	15.6	6.2	X	20.2	X	0.0	0.0	X	X
325211	Plastics Materials and Resins	12.5	60.2	7.7	X	47.4	0.0	X	94.8	X	X
325212	Synthetic Rubber	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	0.0
325222	Noncellulosic Organic Fibers	0.0	X	X	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	X	0.0	X	X	X	X	X
325312	Phosphatic Fertilizers	X	X	X	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	6.0	7.0	5.6	X	7.7	X	0.0	0.0	X	89.3
325412	Pharmaceutical Preparation	8.8	8.9	7.4	X	11.7	X	0.0	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	1.5	0.6	5.6	X	0.6	X	X	0.0	X	X
326	Plastics and Rubber Products	20.3	38.1	25.5	60.1	53.7	97.4	X	69.9	X	X
327	Nonmetallic Mineral Products	24.5	8.9	34.0	10.0	2.2	0.0	0.0	10.4	X	44.0
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
327212	Other Pressed and Blown Glass and Glassware	77.8	0.6	84.1	X	X	X	X	0.6	X	X
327213	Glass Containers	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
327215	Glass Products from Purchased Glass	6.9	0.0	1.5	0.0	X	0.0	X	0.0	X	X
327310	Cements	8.5	2.3	28.7	0.0	0.0	0.0	0.0	0.0	X	44.0
327410	Lime	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
327420	Gypsum	0.1	0.0	0.1	X	X	X	X	0.0	X	X
327993	Mineral Wool	0.4	0.0	0.6	0.0	X	X	X	0.0	X	X
331	Primary Metals	1.3	1.6	1.5	19.7	8.7	1.9	0.0	1.7	0.0	0.0
331111	Iron and Steel Mills	0.0	0.0	0.0	0.0	X	0.0	0.0	0.0	0.0	0.0
331112	Electrometallurgical Ferroalloy Products	0.0	0.0	0.0	0.0	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	9.9	13.1	11.3	23.6	63.1	94.0	X	17.1	X	X
3313	Alumina and Aluminum	0.3	2.8	0.4	3.1	0.0	X	X	3.1	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	0.0	X	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	X	0.0	X	X	X	X	X	X	X
331316	Aluminum Extruded Products	1.8	3.2	2.3	35.4	X	X	X	3.2	X	X
3314	Nonferrous Metals, except Aluminum	8.6	0.0	11.0	X	0.0	X	X	0.0	X	X
3315	Foundries	7.4	3.9	9.7	26.6	0.0	0.0	0.0	2.7	X	0.0
331511	Iron Foundries	0.9	2.1	1.0	13.2	0.0	0.0	0.0	1.8	X	X
331521	Aluminum Die-Casting Foundries	28.1	8.1	38.5	0.0	X	0.0	X	9.8	X	0.0
331524	Aluminum Foundries, except Die-Casting	15.3	1.7	4.3	0.6	X	X	X	0.0	X	X
332	Fabricated Metal Products	17.6	39.1	21.6	63.1	X	X	X	48.7	X	99.0
333	Machinery	25.1	50.1	22.1	42.4	58.6	X	X	80.4	X	X
334	Computer and Electronic Products	32.8	59.7	44.7	87.3	90.3	96.4	X	68.9	X	4.3
334413	Semiconductors and Related Devices	3.6	5.2	6.0	46.8	10.7	X	X	X	X	0.0

335	Electrical Equip., Appliances, and Components	20.1	33.0	24.9	54.1	50.9	60.1	70.2	41.5	70.2	70.2
336	Transportation Equipment	31.9	21.3	38.9	54.8	30.9	63.0	X	27.3	0.0	75.3
336111	Automobiles	0.0	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	X	0.0	X	X	0.0	X	0.0
3364	Aerospace Product and Parts	7.5	65.6	5.6	98.2	X	39.3	X	97.3	X	X
336411	Aircraft	0.0	0.0	0.0	X	X	X	X	0.0	X	X
337	Furniture and Related Products	17.1	68.3	20.8	65.3	98.8	X	98.8	70.2	98.8	98.8
339	Miscellaneous	30.2	76.8	35.7	91.9	X	82.7	X	X	X	X
	Total	5.0	15.7	5.9	25.6	34.8	10.4	53.6	8.4	0.4	3.3

South Census Region

311	Food	10.6	29.3	11.2	12.9	45.1	22.9	53.7	23.4	X	33.7
3112	Grain and Oilseed Milling	12.0	39.5	10.5	X	63.9	20.0	0.0	34.3	X	0.0
311221	Wet Corn Milling	0.0	0.0	0.0	X	X	X	0.0	X	X	0.0
31131	Sugar Manufacturing	0.0	0.0	0.0	X	X	X	X	X	X	0.0
3114	Fruit and Vegetable Preserving and Specialty Foods	8.7	1.6	10.7	0.1	11.5	1.5	X	0.0	X	X
3115	Dairy Products	16.2	27.6	26.2	X	27.6	X	X	71.4	X	X
3116	Animal Slaughtering and Processing	10.4	23.6	12.1	X	29.4	64.3	X	55.0	X	45.5
312	Beverage and Tobacco Products	25.5	46.2	8.6	X	57.7	1.9	0.0	0.0	X	X
3121	Beverages	30.0	59.0	9.3	X	72.6	3.4	X	0.0	X	X
3122	Tobacco	0.0	0.0	0.0	X	0.0	0.0	0.0	0.0	X	X
313	Textile Mills	27.0	20.5	48.1	98.0	31.5	57.1	X	33.8	X	94.7
314	Textile Product Mills	52.9	63.0	23.8	X	51.9	43.2	X	70.3	X	78.1
315	Apparel	22.8	36.7	27.5	X	36.7	X	X	X	X	X
316	Leather and Allied Products	24.4	76.0	24.5	76.0	X	X	X	X	X	X
321	Wood Products	9.0	22.8	11.0	51.3	51.3	0.0	X	26.6	X	66.0
321113	Sawmills	8.8	13.7	16.0	0.0	63.3	0.0	X	91.8	X	0.0
3212	Veneer, Plywood, and Engineered Woods	9.5	22.9	12.6	X	0.0	X	X	27.8	X	X
3219	Other Wood Products	46.5	57.2	20.1	54.0	X	X	X	50.8	X	94.2
322	Paper	15.9	12.0	20.6	7.1	6.6	5.4	0.0	78.1	0.0	0.0
322110	Pulp Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
322122	Newsprint Mills	0.0	0.0	0.0	X	0.0	X	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
323	Printing and Related Support	42.8	59.7	53.7	39.2	82.4	85.7	X	91.9	X	X
324	Petroleum and Coal Products	0.5	2.7	0.5	0.0	2.2	0.0	X	4.5	X	0.0
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	X	X	X	X	0.0	X	X
325	Chemicals	1.1	4.3	1.1	1.7	11.0	1.3	0.0	8.5	X	0.4
325110	Petrochemicals	0.0	0.0	0.0	X	X	0.0	X	0.0	X	0.0
325120	Industrial Gases	1.1	X	1.2	X	X	X	X	X	X	X
325181	Alkalies and Chlorine	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	0.0
325182	Carbon Black	0.0	0.0	0.0	X	0.0	0.0	X	X	X	X
325188	Other Basic Inorganic Chemicals	8.6	1.6	10.2	0.0	2.4	4.5	X	0.0	X	0.0
325192	Cyclic Crudes and Intermediates	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
325193	Ethyl Alcohol	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	X
325199	Other Basic Organic Chemicals	0.9	0.8	1.0	0.0	1.2	2.7	0.0	0.0	X	0.0
325211	Plastics Materials and Resins	1.5	32.4	0.5	0.0	42.8	1.3	X	3.2	X	0.0
325212	Synthetic Rubber	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	0.0
325222	Noncellulosic Organic Fibers	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0
325311	Nitrogenous Fertilizers	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	0.0
3254	Pharmaceuticals and Medicines	7.1	5.9	9.4	22.3	7.8	10.6	X	14.9	X	X
325412	Pharmaceutical Preparation	7.6	7.7	16.4	22.3	7.8	10.6	X	29.0	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	8.6	0.4	16.0	84.0	0.0	0.0	X	0.0	X	X
326	Plastics and Rubber Products	17.5	23.6	26.2	76.5	28.9	32.9	X	89.7	X	68.8
327	Nonmetallic Mineral Products	12.6	38.5	6.2	56.7	1.6	0.0	0.0	54.4	0.0	1.7
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
327212	Other Pressed and Blown Glass and Glassware	0.4	0.8	0.7	X	0.0	X	X	1.4	X	0.0
327213	Glass Containers	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	X
327215	Glass Products from Purchased Glass	53.3	71.5	0.1	0.0	X	X	X	71.5	X	X
327310	Cements	6.1	0.1	6.6	0.0	0.0	0.0	0.0	31.8	0.0	0.0

327410	Lime	0.0	0.0	0.0	X	X	X	0.0	X	X	X
327420	Gypsum	0.1	0.1	0.1	90.1	0.0	X	X	X	X	X
327993	Mineral Wool	0.2	0.0	0.3	X	X	X	X	0.0	X	X
331	Primary Metals	0.6	0.6	0.7	7.3	0.0	0.0	1.1	1.1	43.7	0.0
331111	Iron and Steel Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0
331112	Electrometallurgical Ferroalloy Products	0.0	X	0.0	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	13.2	19.4	20.9	47.9	X	X	43.7	21.1	43.7	X
3313	Alumina and Aluminum	0.1	0.5	0.1	0.0	0.0	0.0	X	0.3	X	0.0
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	X	0.0	X	X	X	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	0.0	0.0	0.0	X	X	X	X	X
331316	Aluminum Extruded Products	0.5	1.5	0.3	0.0	X	X	X	1.1	X	0.0
3314	Nonferrous Metals, except Aluminum	7.9	4.0	11.9	0.0	0.0	X	X	6.0	X	X
3315	Foundries	2.1	0.8	3.0	8.4	0.0	0.0	X	1.9	X	0.0
331511	Iron Foundries	2.8	0.8	6.4	0.0	0.0	X	X	2.5	X	0.0
331521	Aluminum Die-Casting Foundries	3.5	0.0	3.6	0.0	0.0	0.0	X	0.0	X	X
331524	Aluminum Foundries, except Die-Casting	3.3	10.6	4.0	86.9	X	X	X	0.0	X	X
332	Fabricated Metal Products	23.7	54.3	26.8	55.0	99.0	99.0	99.0	63.5	X	X
333	Machinery	28.0	73.6	33.1	67.8	X	79.4	X	87.5	X	84.1
334	Computer and Electronic Products	29.7	21.9	41.8	40.1	23.2	X	X	0.0	X	X
334413	Semiconductors and Related Devices	2.9	0.0	4.0	0.0	0.0	X	X	0.0	X	X
335	Electrical Equip., Appliances, and Components	15.9	34.2	21.4	48.9	59.1	73.6	X	49.8	X	X
336	Transportation Equipment	11.4	19.5	13.8	88.1	2.5	46.4	0.0	24.3	X	56.3
336111	Automobiles	2.8	0.0	4.2	X	0.0	X	X	X	X	X
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	X
3364	Aerospace Product and Parts	15.0	12.8	11.7	98.2	15.1	0.0	0.0	1.2	X	56.3
336411	Aircraft	0.0	0.0	0.0	X	X	0.0	X	0.0	X	X
337	Furniture and Related Products	24.8	97.4	28.0	98.3	X	X	X	98.8	X	X
339	Miscellaneous	43.1	49.9	54.1	83.8	88.3	X	X	78.3	X	X
	Total	2.3	8.8	2.3	3.6	10.6	7.5	9.1	21.5	0.1	5.7

West Census Region

311	Food	9.6	16.2	12.0	34.4	15.0	30.2	X	29.9	X	44.9
3112	Grain and Oilseed Milling	35.7	15.9	41.4	X	X	X	X	15.9	X	X
311221	Wet Corn Milling	0.0	0.0	0.0	X	X	X	X	0.0	X	X
31131	Sugar Manufacturing	0.0	X	0.0	X	X	X	X	X	X	X
3114	Fruit and Vegetable Preserving and Specialty Foods	8.9	11.3	10.2	36.7	1.3	0.0	X	55.2	X	74.6
3115	Dairy Products	26.7	28.6	30.4	84.5	65.6	45.3	X	0.0	X	X
3116	Animal Slaughtering and Processing	33.8	41.0	42.4	98.5	51.3	X	X	X	X	61.1
312	Beverage and Tobacco Products	11.7	2.2	17.4	86.4	0.0	X	X	X	X	0.0
3121	Beverages	11.7	2.2	17.4	86.4	0.0	X	X	X	X	0.0
3122	Tobacco	X	X	X	X	X	X	X	X	X	X
313	Textile Mills	95.7	X	96.9	X	X	X	X	X	X	X
314	Textile Product Mills	47.3	48.2	42.1	96.4	X	X	97.3	35.3	X	83.4
315	Apparel	29.0	X	60.5	X	X	X	X	X	X	X
316	Leather and Allied Products	45.7	80.5	96.2	80.5	X	X	X	X	X	X
321	Wood Products	24.4	13.3	11.5	55.6	26.6	81.5	X	22.5	X	10.3
321113	Sawmills	49.0	0.0	1.0	0.0	X	X	X	X	X	0.0
3212	Veneer, Plywood, and Engineered Woods	16.9	16.0	23.9	X	40.4	X	X	22.5	X	0.0
3219	Other Wood Products	17.4	41.2	18.5	90.9	X	81.5	X	X	X	40.2
322	Paper	2.2	3.7	3.3	0.0	4.8	0.0	X	33.1	X	0.0
322110	Pulp Mills	0.0	0.0	0.0	X	X	0.0	X	0.0	X	0.0
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	0.0
322122	Newsprint Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X
323	Printing and Related Support	46.7	97.1	58.2	99.1	X	X	X	X	X	X
324	Petroleum and Coal Products	5.6	0.3	7.2	3.8	0.0	0.0	X	0.0	X	0.8
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0
324199	Other Petroleum and Coal Products	0.0	X	0.0	X	X	X	X	X	X	X
325	Chemicals	2.8	14.9	1.9	7.4	6.5	0.7	97.2	48.6	97.2	0.8
325110	Petrochemicals	0.0	X	0.0	X	X	X	X	X	X	X
325120	Industrial Gases	15.4	X	26.0	X	X	X	X	X	X	X
325181	Alkalies and Chlorine	0.0	X	0.0	X	X	X	X	X	X	X

325182	Carbon Black	0.0	X	X	X	X	X	X	X	X	X
325188	Other Basic Inorganic Chemicals	5.4	29.7	5.4	7.2	X	X	X	82.1	X	X
325192	Cyclic Crudes and Intermediates	0.0	X	X	X	X	X	X	X	X	X
325193	Ethyl Alcohol	0.0	0.0	0.0	X	0.0	X	X	X	X	0.0
325199	Other Basic Organic Chemicals	5.9	0.0	5.8	X	X	0.0	X	X	X	X
325211	Plastics Materials and Resins	36.2	95.0	41.4	X	95.0	X	X	X	X	X
325212	Synthetic Rubber	0.0	0.0	0.0	0.0	0.0	0.0	X	X	X	X
325222	Noncellulosic Organic Fibers	X	X	X	X	X	X	X	X	X	X
325311	Nitrogenous Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
325312	Phosphatic Fertilizers	0.0	X	0.0	X	X	X	X	X	X	X
3254	Pharmaceuticals and Medicines	4.7	0.0	4.9	X	X	X	X	0.0	X	X
325412	Pharmaceutical Preparation	5.3	X	5.2	X	X	X	X	X	X	X
325992	Photographic Film, Paper, Plate, and Chemicals	0.1	0.0	0.1	X	0.0	X	X	0.0	X	X
326	Plastics and Rubber Products	33.8	55.9	46.6	65.3	X	X	X	76.6	X	97.4
327	Nonmetallic Mineral Products	7.8	5.7	9.5	49.9	0.0	0.0	0.0	10.4	X	0.0
327211	Flat Glass	0.0	0.0	0.0	X	0.0	X	X	0.0	X	0.0
327212	Other Pressed and Blown Glass and Glassware	1.5	95.6	0.8	X	X	X	X	95.6	X	X
327213	Glass Containers	0.0	0.0	0.0	X	0.0	X	X	0.0	X	X
327215	Glass Products from Purchased Glass	16.0	43.4	19.8	62.5	X	X	X	21.9	X	X
327310	Cements	0.6	0.0	0.8	X	0.0	X	0.0	X	X	X
327410	Lime	0.0	0.0	0.0	X	X	0.0	X	X	X	X
327420	Gypsum	0.3	X	0.3	X	X	X	X	X	X	X
327993	Mineral Wool	0.7	0.0	0.8	X	0.0	X	X	X	X	X
331	Primary Metals	2.0	3.1	2.5	9.2	0.0	0.0	X	3.9	X	0.0
331111	Iron and Steel Mills	0.0	X	0.0	X	X	X	X	X	X	X
331112	Electrometallurgical Ferroalloy Products	0.0	X	X	X	X	X	X	X	X	X
3312	Steel Products from Purchased Steel	17.1	86.8	17.1	86.8	X	X	X	X	X	X
3313	Alumina and Aluminum	0.2	0.0	0.2	X	0.0	0.0	X	0.0	X	X
331314	Secondary Smelting and Alloying of Aluminum	0.0	0.0	0.0	X	X	X	X	0.0	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	0.0	X	0.0	0.0	X	0.0	X	X
331316	Aluminum Extruded Products	0.6	X	0.5	X	X	X	X	X	X	X
3314	Nonferrous Metals, except Aluminum	5.6	3.7	7.6	2.8	X	0.0	X	4.1	X	X
3315	Foundries	8.5	13.3	9.9	39.9	X	X	X	0.0	X	0.0
331511	Iron Foundries	5.9	0.0	8.7	X	X	X	X	0.0	X	X
331521	Aluminum Die-Casting Foundries	14.6	20.6	19.8	44.5	X	X	X	X	X	0.0
331524	Aluminum Foundries, except Die-Casting	13.8	50.0	11.1	50.0	X	X	X	X	X	X
332	Fabricated Metal Products	33.5	99.0	36.6	X	X	99.0	X	X	X	X
333	Machinery	38.4	81.8	48.3	99.0	X	X	X	98.1	X	X
334	Computer and Electronic Products	16.3	74.6	16.1	45.2	75.2	X	X	66.1	X	97.6
334413	Semiconductors and Related Devices	9.4	0.0	13.1	0.0	0.0	X	X	0.0	X	X
335	Electrical Equip., Appliances, and Components	53.0	X	63.4	X	X	X	X	X	X	X
336	Transportation Equipment	11.6	30.2	5.2	85.0	0.0	0.0	X	61.1	X	0.0
336111	Automobiles	0.0	0.0	0.0	0.0	X	0.0	X	0.0	X	X
336112	Light Trucks and Utility Vehicles	0.0	X	X	X	X	X	X	X	X	X
3364	Aerospace Product and Parts	1.5	0.1	1.7	5.2	0.0	X	X	0.0	X	0.0
336411	Aircraft	0.0	0.0	0.0	0.0	0.0	X	X	0.0	X	0.0
337	Furniture and Related Products	49.9	91.1	49.9	98.8	X	X	X	95.9	X	X
339	Miscellaneous	26.8	55.7	31.8	55.7	X	X	X	X	X	X
Total		3.0	3.6	3.9	11.2	8.5	1.6	0.7	5.4	97.2	3.9

Economic Characteristic (f)

**Value of Shipments and Receipts
(million dollars)**

Under 20	9.9	37.7	11.0	26.8	50.9	33.7	74.5	22.2	62.8	25.8
20-49	6.7	22.1	6.9	30.7	23.0	34.8	4.5	36.0	4.3	22.6
50-99	4.4	11.4	5.1	39.4	11.4	18.7	57.4	10.6	X	42.5

100-249	6.8	4.2	9.9	13.5	6.1	8.0	19.6	8.2	0.0	7.8
250-499	2.1	6.5	2.1	13.8	8.4	18.4	0.0	11.1	0.0	4.9
500 and Over	0.6	2.7	0.5	0.8	5.4	10.5	0.0	1.7	0.0	0.5
Total	1.9	6.1	2.2	5.3	11.6	7.2	39.2	10.5	0.2	3.0
Employment Size										
Under 50	8.2	25.5	9.5	18.8	32.4	23.9	79.7	45.6	62.8	19.0
50-99	8.3	31.2	6.0	40.1	44.7	37.5	2.1	12.7	4.3	17.7
100-249	2.6	8.5	2.8	27.6	8.3	12.6	55.9	16.2	42.5	7.6
250-499	3.7	3.2	4.8	12.4	6.4	10.2	0.0	4.3	0.0	7.0
500-999	4.8	3.3	6.7	8.6	5.6	4.4	0.6	6.7	X	1.2
1000 and Over	1.3	6.5	0.9	3.1	9.9	22.5	0.0	11.7	0.0	1.9
Total	1.9	6.1	2.2	5.3	11.6	7.2	39.2	10.5	0.2	3.0

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

(b) 'Alternative Energy Sources' consist of those energy sources that could have been substituted for natural gas during 2006. The quantities are expressed in billions of cubic feet, and therefore represent the quantity of natural gas that could have been displaced by the given alternative type of energy.

(c) 'Total Consumed' represents those quantities (Total Inputs) of natural gas that were ascertained switchable or not switchable, plus an additional quantity for which the switching status was not ascertained.

(d) '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.

(e) 'Other' includes all other types of energy not already identified that respondents indicated could have been consumed in place of natural gas.

(f) Value of Shipments and Receipts and Employment Size categories were supplied by the Bureau of the Census.

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.

X=Not defined because RSE corresponds to a value of zero.

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,' and the Bureau of the Census, data files for the '2006 Annual Survey of Manufacturers.'