Released: February 2018
Next MECS will be fielded in 2019

Table 8.4 Number of Establishments by Participation in Specific Energy-Management Activities, 2014;

Level: National Data;
Row: Specific Energy-Management Activities within NAICS Codes;
Column: Participation;
Unit: Establishment Counts.

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know
		Total United States		
311 - 339	All Manufacturing Industries			
	Person(s) Responsible for Energy Management (c)	111,172	35,525	28,410
	Aware of ISO 50001	119,737	43,048	--
	Implementing ISO 50001	38,691	4,365	--
	Energy Efficiency a part of Purchasing Decision	34,837	114,559	25,711
	Energy Use Baseline for Comparing Energy Use in Future Years	86,820	43,379	44,908
	Set Goals for Improving Energy Consumption	89,676	42,483	42,948
	Quantitative Goals	11,199	24,831	139,077
	Submetering (metering beyond the main utility, revenue or supplier meter)	150,124	14,500	--
	Conduct Audits to Identify Energy Saving Opportunities	112,525	29,180	33,402
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	108,737	27,890	38,481
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	125,750	11,789	37,568
	Measure Oxygen and Carbon Dioxide Levels (f)	112,377	19,837	42,893
	Use Flue Gas to Preheat Other Equipment or Processes (g)	126,488	8,400	40,218
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	60,507	74,711	39,889
	Cleaning of Heat Transfer Equipment (i)	59,889	69,764	45,455
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	56,452	72,665	45,989
	Keep an Inventory of All Motors	83,787	51,475	39,846
	Detect and Control Compressed Air Leaks (l)	83,784	51,530	39,793
	Track the Amount of Energy Spent in Compressed Air Systems	126,870	11,038	37,200
311	Food			
	Person(s) Responsible for Energy Management (c)	6,631	3,994	3,065
	Aware of ISO 50001	8,864	3,114	--
	Implementing ISO 50001	2,708	322	--
	Energy Efficiency a part of Purchasing Decision	1,516	9,896	2,278
	Energy Use Baseline for Comparing Energy Use in Future Years	4,888	4,602	4,200
	Set Goals for Improving Energy Consumption	5,501	4,515	3,674
	Quantitative Goals	878	2,914	9,898
	Submetering (metering beyond the main utility, revenue or supplier meter)	10,537	1,921	--
	Conduct Audits to Identify Energy Saving Opportunities	7,859	2,721	3,110
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	7,082	3,156	3,452
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	9,581	896	3,213
	Measure Oxygen and Carbon Dioxide Levels (f)	5,792	3,646	4,251
	Use Flue Gas to Preheat Other Equipment or Processes (g)	8,502	1,491	3,696
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	2,347	7,798	3,544
	Cleaning of Heat Transfer Equipment (i)	1,875	7,886	3,929
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	1,901	7,540	4,248
	Keep an Inventory of All Motors	5,337	5,107	3,246
	Detect and Control Compressed Air Leaks (l)	6,352	3,971	3,367
	Track the Amount of Energy Spent in Compressed Air Systems	9,305	1,023	3,362
3112	Grain and Oilseed Milling			
	Person(s) Responsible for Energy Management (c)	249	264	87
	Aware of ISO 50001	384	181	--
	Implementing ISO 50001	152	27	--
	Energy Efficiency a part of Purchasing Decision	11	497	92
	Energy Use Baseline for Comparing Energy Use in Future Years	65	426	108
	Set Goals for Improving Energy Consumption	144	365	91
	Quantitative Goals	71	276	253
	Submetering (metering beyond the main utility, revenue or supplier meter)	407	168	--
	Conduct Audits to Identify Energy Saving Opportunities	262	239	100
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	344	180	76
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	458	49	93
	Measure Oxygen and Carbon Dioxide Levels (f)	261	219	120
	Use Flue Gas to Preheat Other Equipment or Processes (g)	281	212	107
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	87	408	105
	Cleaning of Heat Transfer Equipment (i)	94	380	126
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	72	424	104
	Keep an Inventory of All Motors	108	421	71
	Detect and Control Compressed Air Leaks (l)	208	288	104
	Track the Amount of Energy Spent in Compressed Air Systems	435	71	94
311221	Wet Corn Milling			
	Person(s) Responsible for Energy Management (c)	W	27	W
	Aware of ISO 50001	18	29	--
	Implementing ISO 50001	27	W	--
	Energy Efficiency a part of Purchasing Decision	W	42	W
	Energy Use Baseline for Comparing Energy Use in Future Years	8	33	8
	Set Goals for Improving Energy Consumption	W	34	W
	Quantitative Goals	W	32	W
	Submetering (metering beyond the main utility, revenue or supplier meter)	11	35	--
	Conduct Audits to Identify Energy Saving Opportunities	22	17	10
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	21	20	8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	33	6	10
	Measure Oxygen and Carbon Dioxide Levels (f)	9	26	13
	Use Flue Gas to Preheat Other Equipment or Processes (g)	13	25	11
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	5	33	11
	Cleaning of Heat Transfer Equipment (i)	W	36	W
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W	37	W
	Keep an Inventory of All Motors	8	32	9
	Detect and Control Compressed Air Leaks (l)	19	22	9
	Track the Amount of Energy Spent in Compressed Air Systems	21	17	11
31131	Sugar Manufacturing			
	Person(s) Responsible for Energy Management (c)	35	24	12
	Aware of ISO 50001	51	18	--
	Implementing ISO 50001	15	W	--
	Energy Efficiency a part of Purchasing Decision	10	48	13
	Energy Use Baseline for Comparing Energy Use in Future Years	25	37	10
	Set Goals for Improving Energy Consumption	22	31	18
	Quantitative Goals	12	15	44
	Submetering (metering beyond the main utility, revenue or supplier meter)	45	24	--
	Conduct Audits to Identify Energy Saving Opportunities	32	17	22
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	36	10	25
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	40	6	25
	Measure Oxygen and Carbon Dioxide Levels (f)	9	37	26
	Use Flue Gas to Preheat Other Equipment or Processes (g)	17	34	21
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	W	47	W
	Cleaning of Heat Transfer Equipment (i)	W	46	W
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W	51	W
	Keep an Inventory of All Motors	W	51	W
	Detect and Control Compressed Air Leaks (l)	28	20	23
	Track the Amount of Energy Spent in Compressed Air Systems	38	11	22

3114	**Fruit and Vegetable Preserving and Specialty Foods**			
	Person(s) Responsible for Energy Management (c)	372	429	184
	Aware of ISO 50001	585	348	--
	Implementing ISO 50001	334	12	--
	Energy Efficiency a part of Purchasing Decision	56	856	73
	Energy Use Baseline for Comparing Energy Use in Future Years	239	532	214
	Set Goals for Improving Energy Consumption	310	480	195
	Quantitative Goals	144	261	580
	Submetering (metering beyond the main utility, revenue or supplier meter)	746	226	--
	Conduct Audits to Identify Energy Saving Opportunities	439	373	173
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	466	300	219
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	605	151	229
	Measure Oxygen and Carbon Dioxide Levels (f)	384	364	237
	Use Flue Gas to Preheat Other Equipment or Processes (g)	546	174	265
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	160	594	231
	Cleaning of Heat Transfer Equipment (i)	123	606	256
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	129	591	265
	Keep an Inventory of All Motors	312	490	182
	Detect and Control Compressed Air Leaks (l)	366	438	181
	Track the Amount of Energy Spent in Compressed Air Systems	625	123	237
3115	**Dairy Products**			
	Person(s) Responsible for Energy Management (c)	375	380	237
	Aware of ISO 50001	560	313	--
	Implementing ISO 50001	255	58	--
	Energy Efficiency a part of Purchasing Decision	75	720	197
	Energy Use Baseline for Comparing Energy Use in Future Years	280	432	280
	Set Goals for Improving Energy Consumption	304	481	206
	Quantitative Goals	69	328	595
	Submetering (metering beyond the main utility, revenue or supplier meter)	665	221	--
	Conduct Audits to Identify Energy Saving Opportunities	441	333	218
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	567	203	223
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	706	90	196
	Measure Oxygen and Carbon Dioxide Levels (f)	263	487	243
	Use Flue Gas to Preheat Other Equipment or Processes (g)	561	221	210
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	116	714	161
	Cleaning of Heat Transfer Equipment (i)	60	753	179
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	96	732	164
	Keep an Inventory of All Motors	278	573	142
	Detect and Control Compressed Air Leaks (l)	373	435	185
	Track the Amount of Energy Spent in Compressed Air Systems	711	94	187
3116	**Animal Slaughtering and Processing**			
	Person(s) Responsible for Energy Management (c)	590	714	299
	Aware of ISO 50001	997	439	--
	Implementing ISO 50001	383	54	--
	Energy Efficiency a part of Purchasing Decision	68	1,237	298
	Energy Use Baseline for Comparing Energy Use in Future Years	453	799	352
	Set Goals for Improving Energy Consumption	464	803	335
	Quantitative Goals	83	583	938
	Submetering (metering beyond the main utility, revenue or supplier meter)	1,193	252	--
	Conduct Audits to Identify Energy Saving Opportunities	789	430	383
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	793	441	368
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	1,110	117	375
	Measure Oxygen and Carbon Dioxide Levels (f)	612	662	329
	Use Flue Gas to Preheat Other Equipment or Processes (g)	1,023	238	341
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	207	1,071	326
	Cleaning of Heat Transfer Equipment (i)	127	1,090	385
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	95	1,112	396
	Keep an Inventory of All Motors	425	838	340
	Detect and Control Compressed Air Leaks (l)	615	643	345
	Track the Amount of Energy Spent in Compressed Air Systems	1,080	111	412
312	**Beverage and Tobacco Products**			
	Person(s) Responsible for Energy Management (c)	1,434	651	358
	Aware of ISO 50001	1,489	722	--
	Implementing ISO 50001	682	Q	--
	Energy Efficiency a part of Purchasing Decision	261	1,745	437
	Energy Use Baseline for Comparing Energy Use in Future Years	973	959	511
	Set Goals for Improving Energy Consumption	1,116	896	431
	Quantitative Goals	170	588	1,685
	Submetering (metering beyond the main utility, revenue or supplier meter)	1,932	273	--
	Conduct Audits to Identify Energy Saving Opportunities	1,561	411	472
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	1,510	438	495
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	1,720	213	510
	Measure Oxygen and Carbon Dioxide Levels (f)	1,312	461	671
	Use Flue Gas to Preheat Other Equipment or Processes (g)	1,690	135	617
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	831	969	643
	Cleaning of Heat Transfer Equipment (i)	648	1,022	773
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	602	1,032	809
	Keep an Inventory of All Motors	920	954	569
	Detect and Control Compressed Air Leaks (l)	1,095	694	654
	Track the Amount of Energy Spent in Compressed Air Systems	1,569	280	594
3121	**Beverages**			
	Person(s) Responsible for Energy Management (c)	1,390	631	348
	Aware of ISO 50001	1,458	681	--
	Implementing ISO 50001	644	Q	--
	Energy Efficiency a part of Purchasing Decision	247	1,691	431
	Energy Use Baseline for Comparing Energy Use in Future Years	941	926	502
	Set Goals for Improving Energy Consumption	1,077	872	420
	Quantitative Goals	W	W	1,634
	Submetering (metering beyond the main utility, revenue or supplier meter)	1,873	257	--
	Conduct Audits to Identify Energy Saving Opportunities	1,518	389	462
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	1,460	427	482
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	1,668	206	495
	Measure Oxygen and Carbon Dioxide Levels (f)	1,286	431	652
	Use Flue Gas to Preheat Other Equipment or Processes (g)	1,645	121	602
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	814	921	635
	Cleaning of Heat Transfer Equipment (i)	630	978	761
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	588	982	800
	Keep an Inventory of All Motors	901	916	552
	Detect and Control Compressed Air Leaks (l)	1,067	663	639
	Track the Amount of Energy Spent in Compressed Air Systems	1,528	261	580
3122	**Tobacco**			
	Person(s) Responsible for Energy Management (c)	44	20	10
	Aware of ISO 50001	31	41	--
	Implementing ISO 50001	37	3	--
	Energy Efficiency a part of Purchasing Decision	14	54	6
	Energy Use Baseline for Comparing Energy Use in Future Years	32	33	9
	Set Goals for Improving Energy Consumption	39	24	12
	Quantitative Goals	W	W	50
	Submetering (metering beyond the main utility, revenue or supplier meter)	59	15	--
	Conduct Audits to Identify Energy Saving Opportunities	43	22	9
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	50	11	13
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	52	7	15
	Measure Oxygen and Carbon Dioxide Levels (f)	26	29	19
	Use Flue Gas to Preheat Other Equipment or Processes (g)	45	14	15
	Process Heating Maintenance Program that Includes the Following:			

	Furance Inspections (h)	17	48	8
	Cleaning of Heat Transfer Equipment (i)	18	45	12
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	14	51	9
	Keep an Inventory of All Motors	20	38	16
	Detect and Control Compressed Air Leaks (l)	28	31	15
	Track the Amount of Energy Spent in Compressed Air Systems	41	19	14
313	**Textile Mills**			
	Person(s) Responsible for Energy Management (c)	708	556	91
	Aware of ISO 50001	839	480	--
	Implementing ISO 50001	331	136	--
	Energy Efficiency a part of Purchasing Decision	138	1,135	83
	Energy Use Baseline for Comparing Energy Use in Future Years	528	653	174
	Set Goals for Improving Energy Consumption	631	534	190
	Quantitative Goals	121	377	856
	Submetering (metering beyond the main utility, revenue or supplier meter)	1,152	182	--
	Conduct Audits to Identify Energy Saving Opportunities	904	289	161
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	876	368	111
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	1,088	151	116
	Measure Oxygen and Carbon Dioxide Levels (f)	669	417	269
	Use Flue Gas to Preheat Other Equipment or Processes (g)	993	173	189
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	332	888	135
	Cleaning of Heat Transfer Equipment (i)	254	860	242
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	204	928	224
	Keep an Inventory of All Motors	621	637	97
	Detect and Control Compressed Air Leaks (l)	614	615	126
	Track the Amount of Energy Spent in Compressed Air Systems	1,024	184	147
314	**Textile Product Mills**			
	Person(s) Responsible for Energy Management (c)	3,326	598	Q
	Aware of ISO 50001	3,455	Q	--
	Implementing ISO 50001	Q	W	--
	Energy Efficiency a part of Purchasing Decision	1,821	2,199	Q
	Energy Use Baseline for Comparing Energy Use in Future Years	3,126	427	724
	Set Goals for Improving Energy Consumption	2,490	1,221	566
	Quantitative Goals	866	145	3,266
	Submetering (metering beyond the main utility, revenue or supplier meter)	3,949	74	--
	Conduct Audits to Identify Energy Saving Opportunities	3,397	Q	599
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	2,019	1,058	1,200
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	3,222	Q	980
	Measure Oxygen and Carbon Dioxide Levels (f)	3,585	89	603
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3,427	52	797
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	2,714	1,071	Q
	Cleaning of Heat Transfer Equipment (i)	2,681	1,036	Q
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	2,819	903	Q
	Keep an Inventory of All Motors	2,923	671	683
	Detect and Control Compressed Air Leaks (l)	2,412	849	1,017
	Track the Amount of Energy Spent in Compressed Air Systems	3,144	W	W
315	**Apparel**			
	Person(s) Responsible for Energy Management (c)	1,938	610	1,326
	Aware of ISO 50001	3,108	Q	--
	Implementing ISO 50001	Q	0	--
	Energy Efficiency a part of Purchasing Decision	881	1,037	1,956
	Energy Use Baseline for Comparing Energy Use in Future Years	1,527	Q	1,714
	Set Goals for Improving Energy Consumption	1,352	803	1,719
	Quantitative Goals	W	W	3,165
	Submetering (metering beyond the main utility, revenue or supplier meter)	3,669	Q	--
	Conduct Audits to Identify Energy Saving Opportunities	1,867	Q	1,410
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	1,914	162	1,798
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	2,000	Q	1,802
	Measure Oxygen and Carbon Dioxide Levels (f)	2,670	Q	Q
	Use Flue Gas to Preheat Other Equipment or Processes (g)	2,756	W	W
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	1,977	445	1,453
	Cleaning of Heat Transfer Equipment (i)	1,617	352	1,905
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	1,547	377	1,950
	Keep an Inventory of All Motors	2,281	248	1,345
	Detect and Control Compressed Air Leaks (l)	1,567	668	1,639
	Track the Amount of Energy Spent in Compressed Air Systems	2,542	Q	1,194
316	**Leather and Allied Product**			
	Person(s) Responsible for Energy Management (c)	340	67	59
	Aware of ISO 50001	349	102	--
	Implementing ISO 50001	100	W	--
	Energy Efficiency a part of Purchasing Decision	108	317	Q
	Energy Use Baseline for Comparing Energy Use in Future Years	338	66	62
	Set Goals for Improving Energy Consumption	320	99	Q
	Quantitative Goals	W	W	370
	Submetering (metering beyond the main utility, revenue or supplier meter)	428	33	--
	Conduct Audits to Identify Energy Saving Opportunities	365	61	40
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	303	109	55
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	377	40	48
	Measure Oxygen and Carbon Dioxide Levels (f)	386	35	46
	Use Flue Gas to Preheat Other Equipment or Processes (g)	399	W	W
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	177	239	50
	Cleaning of Heat Transfer Equipment (i)	184	228	55
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	220	200	47
	Keep an Inventory of All Motors	244	162	60
	Detect and Control Compressed Air Leaks (l)	307	121	38
	Track the Amount of Energy Spent in Compressed Air Systems	438	W	W
321	**Wood Products**			
	Person(s) Responsible for Energy Management (c)	5,456	1,105	1,837
	Aware of ISO 50001	6,248	1,299	--
	Implementing ISO 50001	1,219	59	--
	Energy Efficiency a part of Purchasing Decision	1,573	5,159	1,666
	Energy Use Baseline for Comparing Energy Use in Future Years	4,186	1,375	2,837
	Set Goals for Improving Energy Consumption	3,936	1,824	2,637
	Quantitative Goals	595	658	7,145
	Submetering (metering beyond the main utility, revenue or supplier meter)	6,977	720	--
	Conduct Audits to Identify Energy Saving Opportunities	5,136	934	2,328
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	4,862	1,304	2,233
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5,195	766	2,437
	Measure Oxygen and Carbon Dioxide Levels (f)	5,041	840	2,517
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5,552	546	2,300
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	2,799	3,645	1,954
	Cleaning of Heat Transfer Equipment (i)	2,512	3,294	2,593
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	2,775	3,160	2,464
	Keep an Inventory of All Motors	3,086	2,915	2,397
	Detect and Control Compressed Air Leaks (l)	3,389	2,702	2,307
	Track the Amount of Energy Spent in Compressed Air Systems	5,724	375	2,299
321113	**Sawmills**			
	Person(s) Responsible for Energy Management (c)	1,105	221	293
	Aware of ISO 50001	1,171	284	--
	Implementing ISO 50001	245	18	--
	Energy Efficiency a part of Purchasing Decision	220	1,103	297
	Energy Use Baseline for Comparing Energy Use in Future Years	803	358	458
	Set Goals for Improving Energy Consumption	746	424	449
	Quantitative Goals	142	191	1,286
	Submetering (metering beyond the main utility, revenue or supplier meter)	1,303	182	--

	Conduct Audits to Identify Energy Saving Opportunities	961	282	376
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	885	361	373
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	1,063	156	400
	Measure Oxygen and Carbon Dioxide Levels (f)	880	300	439
	Use Flue Gas to Preheat Other Equipment or Processes (g)	1,082	126	411
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	606	629	384
	Cleaning of Heat Transfer Equipment (i)	520	652	447
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	479	655	485
	Keep an Inventory of All Motors	454	778	386
	Detect and Control Compressed Air Leaks (l)	600	561	458
	Track the Amount of Energy Spent in Compressed Air Systems	1,110	W	W
3212	**Veneer, Plywood, and Engineered Woods**			
	Person(s) Responsible for Energy Management (c)	609	139	226
	Aware of ISO 50001	751	111	--
	Implementing ISO 50001	95	W	--
	Energy Efficiency a part of Purchasing Decision	102	655	216
	Energy Use Baseline for Comparing Energy Use in Future Years	383	345	246
	Set Goals for Improving Energy Consumption	412	350	211
	Quantitative Goals	156	147	670
	Submetering (metering beyond the main utility, revenue or supplier meter)	736	132	--
	Conduct Audits to Identify Energy Saving Opportunities	579	138	255
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	588	116	269
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	645	50	278
	Measure Oxygen and Carbon Dioxide Levels (f)	640	164	169
	Use Flue Gas to Preheat Other Equipment or Processes (g)	708	103	162
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	356	451	166
	Cleaning of Heat Transfer Equipment (i)	321	449	202
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	360	416	197
	Keep an Inventory of All Motors	239	436	298
	Detect and Control Compressed Air Leaks (l)	395	309	269
	Track the Amount of Energy Spent in Compressed Air Systems	674	94	205
321219	**Reconstituted Wood Products**			
	Person(s) Responsible for Energy Management (c)	109	32	13
	Aware of ISO 50001	121	31	--
	Implementing ISO 50001	30	W	--
	Energy Efficiency a part of Purchasing Decision	5	142	7
	Energy Use Baseline for Comparing Energy Use in Future Years	11	131	12
	Set Goals for Improving Energy Consumption	59	77	18
	Quantitative Goals	38	35	81
	Submetering (metering beyond the main utility, revenue or supplier meter)	97	57	--
	Conduct Audits to Identify Energy Saving Opportunities	81	58	15
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	97	46	12
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	137	7	10
	Measure Oxygen and Carbon Dioxide Levels (f)	59	72	23
	Use Flue Gas to Preheat Other Equipment or Processes (g)	91	49	14
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	51	97	6
	Cleaning of Heat Transfer Equipment (i)	54	93	7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	39	109	6
	Keep an Inventory of All Motors	25	90	39
	Detect and Control Compressed Air Leaks (l)	75	65	14
	Track the Amount of Energy Spent in Compressed Air Systems	113	30	11
3219	**Other Wood Products**			
	Person(s) Responsible for Energy Management (c)	3,570	724	1,264
	Aware of ISO 50001	4,161	828	--
	Implementing ISO 50001	807	20	--
	Energy Efficiency a part of Purchasing Decision	1,242	3,245	1,071
	Energy Use Baseline for Comparing Energy Use in Future Years	2,881	627	2,050
	Set Goals for Improving Energy Consumption	2,662	1,009	1,887
	Quantitative Goals	286	309	4,962
	Submetering (metering beyond the main utility, revenue or supplier meter)	4,774	330	--
	Conduct Audits to Identify Energy Saving Opportunities	3,412	485	1,661
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	3,243	807	1,508
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	3,332	549	1,678
	Measure Oxygen and Carbon Dioxide Levels (f)	3,432	349	1,777
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3,626	295	1,638
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	1,789	2,393	1,376
	Cleaning of Heat Transfer Equipment (i)	1,620	2,036	1,901
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	1,885	1,955	1,718
	Keep an Inventory of All Motors	2,272	1,592	1,694
	Detect and Control Compressed Air Leaks (l)	2,223	1,800	1,535
	Track the Amount of Energy Spent in Compressed Air Systems	3,724	214	1,620
322	**Paper**			
	Person(s) Responsible for Energy Management (c)	1,868	1,136	216
	Aware of ISO 50001	2,142	911	--
	Implementing ISO 50001	879	Q	--
	Energy Efficiency a part of Purchasing Decision	503	2,435	282
	Energy Use Baseline for Comparing Energy Use in Future Years	1,253	1,384	583
	Set Goals for Improving Energy Consumption	1,520	1,299	401
	Quantitative Goals	292	770	2,158
	Submetering (metering beyond the main utility, revenue or supplier meter)	2,467	606	--
	Conduct Audits to Identify Energy Saving Opportunities	1,948	734	538
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	2,113	664	443
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	2,129	658	433
	Measure Oxygen and Carbon Dioxide Levels (f)	2,117	672	431
	Use Flue Gas to Preheat Other Equipment or Processes (g)	2,218	406	597
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	1,165	1,603	452
	Cleaning of Heat Transfer Equipment (i)	980	1,570	669
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	805	1,828	587
	Keep an Inventory of All Motors	988	1,586	646
	Detect and Control Compressed Air Leaks (l)	1,134	1,503	583
	Track the Amount of Energy Spent in Compressed Air Systems	2,160	568	492
322110	**Pulp Mills**			
	Person(s) Responsible for Energy Management (c)	7	21	0
	Aware of ISO 50001	17	11	--
	Implementing ISO 50001	11	0	--
	Energy Efficiency a part of Purchasing Decision	0	W	W
	Energy Use Baseline for Comparing Energy Use in Future Years	W	W	W
	Set Goals for Improving Energy Consumption	W	W	0
	Quantitative Goals	7	W	W
	Submetering (metering beyond the main utility, revenue or supplier meter)	6	22	--
	Conduct Audits to Identify Energy Saving Opportunities	4	19	5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	W	W	W
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	W	13	W
	Measure Oxygen and Carbon Dioxide Levels (f)	0	W	W
	Use Flue Gas to Preheat Other Equipment or Processes (g)	W	23	W
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0	W	W
	Cleaning of Heat Transfer Equipment (i)	0	W	W
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0	W	W
	Keep an Inventory of All Motors	W	W	0
	Detect and Control Compressed Air Leaks (l)	18	10	0
	Track the Amount of Energy Spent in Compressed Air Systems	W	10	W
322121	**Paper Mills, except Newsprint**			
	Person(s) Responsible for Energy Management (c)	22	129	14
	Aware of ISO 50001	45	110	--

	Implementing ISO 50001	102	8	--
	Energy Efficiency a part of Purchasing Decision	0	150	15
	Energy Use Baseline for Comparing Energy Use in Future Years	6	146	12
	Set Goals for Improving Energy Consumption	19	133	13
	Quantitative Goals	32	96	37
	Submetering (metering beyond the main utility, revenue or supplier meter)	33	123	--
	Conduct Audits to Identify Energy Saving Opportunities	33	107	25
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	54	90	21
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	117	27	22
	Measure Oxygen and Carbon Dioxide Levels (f)	28	120	17
	Use Flue Gas to Preheat Other Equipment or Processes (g)	45	100	20
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	11	133	21
	Cleaning of Heat Transfer Equipment (i)	14	123	28
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	5	133	27
	Keep an Inventory of All Motors	13	137	15
	Detect and Control Compressed Air Leaks (l)	83	66	16
	Track the Amount of Energy Spent in Compressed Air Systems	84	61	20
322122	**Newsprint Mills**			
	Person(s) Responsible for Energy Management (c)	0	W	W
	Aware of ISO 50001	7	10	--
	Implementing ISO 50001	10	0	--
	Energy Efficiency a part of Purchasing Decision	0	18	0
	Energy Use Baseline for Comparing Energy Use in Future Years	W	W	0
	Set Goals for Improving Energy Consumption	W	W	0
	Quantitative Goals	0	W	W
	Submetering (metering beyond the main utility, revenue or supplier meter)	0	18	--
	Conduct Audits to Identify Energy Saving Opportunities	W	9	W
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0	W	W
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	W	W	W
	Measure Oxygen and Carbon Dioxide Levels (f)	W	W	W
	Use Flue Gas to Preheat Other Equipment or Processes (g)	W	12	W
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	W	11	W
	Cleaning of Heat Transfer Equipment (i)	0	W	W
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0	W	W
	Keep an Inventory of All Motors	0	18	0
	Detect and Control Compressed Air Leaks (l)	W	8	W
	Track the Amount of Energy Spent in Compressed Air Systems	W	12	W
322130	**Paperboard Mills**			
	Person(s) Responsible for Energy Management (c)	26	104	17
	Aware of ISO 50001	80	57	--
	Implementing ISO 50001	53	W	--
	Energy Efficiency a part of Purchasing Decision	W	137	W
	Energy Use Baseline for Comparing Energy Use in Future Years	10	125	13
	Set Goals for Improving Energy Consumption	13	130	4
	Quantitative Goals	23	89	35
	Submetering (metering beyond the main utility, revenue or supplier meter)	46	95	--
	Conduct Audits to Identify Energy Saving Opportunities	32	88	27
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	44	84	18
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	90	35	22
	Measure Oxygen and Carbon Dioxide Levels (f)	21	111	15
	Use Flue Gas to Preheat Other Equipment or Processes (g)	35	94	17
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	18	120	9
	Cleaning of Heat Transfer Equipment (i)	18	121	8
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	9	127	10
	Keep an Inventory of All Motors	10	124	13
	Detect and Control Compressed Air Leaks (l)	58	67	22
	Track the Amount of Energy Spent in Compressed Air Systems	72	58	17
323	**Printing and Related Support**			
	Person(s) Responsible for Energy Management (c)	9,223	2,008	2,774
	Aware of ISO 50001	10,070	2,522	--
	Implementing ISO 50001	2,379	Q	--
	Energy Efficiency a part of Purchasing Decision	2,681	8,774	2,550
	Energy Use Baseline for Comparing Energy Use in Future Years	7,787	2,463	3,755
	Set Goals for Improving Energy Consumption	6,989	2,877	4,139
	Quantitative Goals	1,058	1,526	11,421
	Submetering (metering beyond the main utility, revenue or supplier meter)	12,457	359	--
	Conduct Audits to Identify Energy Saving Opportunities	8,615	2,386	3,004
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	8,038	2,409	3,558
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	9,267	1,139	3,598
	Measure Oxygen and Carbon Dioxide Levels (f)	10,474	418	3,113
	Use Flue Gas to Preheat Other Equipment or Processes (g)	10,796	251	2,958
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	4,617	5,998	3,390
	Cleaning of Heat Transfer Equipment (i)	5,542	4,752	3,711
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	5,396	4,955	3,654
	Keep an Inventory of All Motors	7,918	2,438	3,650
	Detect and Control Compressed Air Leaks (l)	7,675	3,235	3,095
	Track the Amount of Energy Spent in Compressed Air Systems	10,469	479	3,057
324	**Petroleum and Coal Products**			
	Person(s) Responsible for Energy Management (c)	908	675	335
	Aware of ISO 50001	1,206	584	--
	Implementing ISO 50001	482	99	--
	Energy Efficiency a part of Purchasing Decision	73	1,551	294
	Energy Use Baseline for Comparing Energy Use in Future Years	629	779	510
	Set Goals for Improving Energy Consumption	617	805	497
	Quantitative Goals	142	538	1,238
	Submetering (metering beyond the main utility, revenue or supplier meter)	1,487	321	--
	Conduct Audits to Identify Energy Saving Opportunities	1,062	370	486
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	981	522	415
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	1,192	276	450
	Measure Oxygen and Carbon Dioxide Levels (f)	509	869	541
	Use Flue Gas to Preheat Other Equipment or Processes (g)	971	426	521
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	275	1,158	485
	Cleaning of Heat Transfer Equipment (i)	315	1,115	488
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	194	1,230	494
	Keep an Inventory of All Motors	338	1,173	408
	Detect and Control Compressed Air Leaks (l)	966	483	468
	Track the Amount of Energy Spent in Compressed Air Systems	1,317	74	527
324110	**Petroleum Refineries**			
	Person(s) Responsible for Energy Management (c)	73	96	4
	Aware of ISO 50001	60	109	--
	Implementing ISO 50001	100	9	--
	Energy Efficiency a part of Purchasing Decision	4	108	62
	Energy Use Baseline for Comparing Energy Use in Future Years	Q	106	Q
	Set Goals for Improving Energy Consumption	21	91	62
	Quantitative Goals	12	74	88
	Submetering (metering beyond the main utility, revenue or supplier meter)	82	88	--
	Conduct Audits to Identify Energy Saving Opportunities	82	82	10
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	109	50	15
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	139	18	18
	Measure Oxygen and Carbon Dioxide Levels (f)	Q	117	5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	67	101	6
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	W	161	W
	Cleaning of Heat Transfer Equipment (i)	W	166	W
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W	167	W
	Keep an Inventory of All Motors	4	161	9
	Detect and Control Compressed Air Leaks (l)	130	33	11

	Track the Amount of Energy Spent in Compressed Air Systems	138	24	12
324121	**Asphalt Paving Mixture and Block**			
	Person(s) Responsible for Energy Management (c)	549	479	257
	Aware of ISO 50001	818	380	--
	Implementing ISO 50001	296	82	--
	Energy Efficiency a part of Purchasing Decision	23	1,094	167
	Energy Use Baseline for Comparing Energy Use in Future Years	380	508	398
	Set Goals for Improving Energy Consumption	363	581	341
	Quantitative Goals	107	370	807
	Submetering (metering beyond the main utility, revenue or supplier meter)	1,064	140	--
	Conduct Audits to Identify Energy Saving Opportunities	704	188	393
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	617	373	296
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	725	228	332
	Measure Oxygen and Carbon Dioxide Levels (f)	264	595	426
	Use Flue Gas to Preheat Other Equipment or Processes (g)	604	266	416
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	174	722	389
	Cleaning of Heat Transfer Equipment (i)	209	681	396
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	94	792	398
	Keep an Inventory of All Motors	218	757	310
	Detect and Control Compressed Air Leaks (l)	606	318	361
	Track the Amount of Energy Spent in Compressed Air Systems	837	23	425
324122	**Asphalt Shingle and Coating Materials**			
	Person(s) Responsible for Energy Management (c)	73	59	29
	Aware of ISO 50001	105	49	--
	Implementing ISO 50001	46	W	--
	Energy Efficiency a part of Purchasing Decision	6	136	21
	Energy Use Baseline for Comparing Energy Use in Future Years	29	98	36
	Set Goals for Improving Energy Consumption	56	73	34
	Quantitative Goals	6	57	99
	Submetering (metering beyond the main utility, revenue or supplier meter)	110	51	--
	Conduct Audits to Identify Energy Saving Opportunities	72	60	30
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	73	56	33
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	115	13	34
	Measure Oxygen and Carbon Dioxide Levels (f)	35	91	36
	Use Flue Gas to Preheat Other Equipment or Processes (g)	92	36	34
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	17	117	28
	Cleaning of Heat Transfer Equipment (i)	19	114	29
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	14	116	32
	Keep an Inventory of All Motors	30	108	24
	Detect and Control Compressed Air Leaks (l)	62	72	29
	Track the Amount of Energy Spent in Compressed Air Systems	119	12	32
324199	**Other Petroleum and Coal Products**			
	Person(s) Responsible for Energy Management (c)	61	W	W
	Aware of ISO 50001	70	15	--
	Implementing ISO 50001	15	0	--
	Energy Efficiency a part of Purchasing Decision	18	64	5
	Energy Use Baseline for Comparing Energy Use in Future Years	42	30	13
	Set Goals for Improving Energy Consumption	44	27	15
	Quantitative Goals	W	W	64
	Submetering (metering beyond the main utility, revenue or supplier meter)	65	21	--
	Conduct Audits to Identify Energy Saving Opportunities	54	17	15
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	50	25	12
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	61	W	W
	Measure Oxygen and Carbon Dioxide Levels (f)	36	28	22
	Use Flue Gas to Preheat Other Equipment or Processes (g)	52	16	18
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	12	53	22
	Cleaning of Heat Transfer Equipment (i)	18	49	19
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	7	60	19
	Keep an Inventory of All Motors	W	65	W
	Detect and Control Compressed Air Leaks (l)	47	19	21
	Track the Amount of Energy Spent in Compressed Air Systems	57	8	21
325	**Chemicals**			
	Person(s) Responsible for Energy Management (c)	4,757	2,212	1,561
	Aware of ISO 50001	5,347	2,660	--
	Implementing ISO 50001	2,396	245	--
	Energy Efficiency a part of Purchasing Decision	984	6,105	1,441
	Energy Use Baseline for Comparing Energy Use in Future Years	2,864	3,704	1,963
	Set Goals for Improving Energy Consumption	3,381	2,929	2,219
	Quantitative Goals	498	2,107	5,926
	Submetering (metering beyond the main utility, revenue or supplier meter)	6,241	1,732	--
	Conduct Audits to Identify Energy Saving Opportunities	4,466	2,094	1,970
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	4,859	1,557	2,113
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	6,026	499	2,004
	Measure Oxygen and Carbon Dioxide Levels (f)	4,225	2,100	2,205
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5,216	1,134	2,181
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	2,019	4,654	1,857
	Cleaning of Heat Transfer Equipment (i)	2,055	4,226	2,249
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	1,625	4,694	2,212
	Keep an Inventory of All Motors	2,341	4,297	1,891
	Detect and Control Compressed Air Leaks (l)	3,745	2,916	1,869
	Track the Amount of Energy Spent in Compressed Air Systems	5,612	813	2,104
325110	**Petrochemicals**			
	Person(s) Responsible for Energy Management (c)	W	23	W
	Aware of ISO 50001	24	20	--
	Implementing ISO 50001	18	W	--
	Energy Efficiency a part of Purchasing Decision	0	W	W
	Energy Use Baseline for Comparing Energy Use in Future Years	W	31	W
	Set Goals for Improving Energy Consumption	W	28	W
	Quantitative Goals	3	22	19
	Submetering (metering beyond the main utility, revenue or supplier meter)	16	28	--
	Conduct Audits to Identify Energy Saving Opportunities	23	16	5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	19	13	12
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	29	4	11
	Measure Oxygen and Carbon Dioxide Levels (f)	W	28	W
	Use Flue Gas to Preheat Other Equipment or Processes (g)	W	24	W
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	3	41	0
	Cleaning of Heat Transfer Equipment (i)	13	31	0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	3	41	0
	Keep an Inventory of All Motors	W	40	W
	Detect and Control Compressed Air Leaks (l)	21	20	3
	Track the Amount of Energy Spent in Compressed Air Systems	30	7	7
325120	**Industrial Gases**			
	Person(s) Responsible for Energy Management (c)	88	218	122
	Aware of ISO 50001	260	118	--
	Implementing ISO 50001	92	25	--
	Energy Efficiency a part of Purchasing Decision	W	304	W
	Energy Use Baseline for Comparing Energy Use in Future Years	W	284	W
	Set Goals for Improving Energy Consumption	70	145	212
	Quantitative Goals	W	W	299
	Submetering (metering beyond the main utility, revenue or supplier meter)	260	118	--
	Conduct Audits to Identify Energy Saving Opportunities	116	83	228
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	176	112	139
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	242	34	151
	Measure Oxygen and Carbon Dioxide Levels (f)	231	30	166
	Use Flue Gas to Preheat Other Equipment or Processes (g)	253	8	166

	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	74	191	162
	Cleaning of Heat Transfer Equipment (i)	38	228	161
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W	251	W
	Keep an Inventory of All Motors	26	296	105
	Detect and Control Compressed Air Leaks (l)	50	237	140
	Track the Amount of Energy Spent in Compressed Air Systems	106	103	218
325180	**Other Basic Inorganic Chemicals**			
	Person(s) Responsible for Energy Management (c)	256	134	122
	Aware of ISO 50001	316	176	--
	Implementing ISO 50001	146	Q	--
	Energy Efficiency a part of Purchasing Decision	100	370	41
	Energy Use Baseline for Comparing Energy Use in Future Years	111	295	105
	Set Goals for Improving Energy Consumption	195	232	84
	Quantitative Goals	60	126	325
	Submetering (metering beyond the main utility, revenue or supplier meter)	328	163	--
	Conduct Audits to Identify Energy Saving Opportunities	322	87	102
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	261	109	141
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	363	38	110
	Measure Oxygen and Carbon Dioxide Levels (f)	216	166	129
	Use Flue Gas to Preheat Other Equipment or Processes (g)	280	101	130
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	75	322	115
	Cleaning of Heat Transfer Equipment (i)	66	299	146
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	Q	290	171
	Keep an Inventory of All Motors	152	292	67
	Detect and Control Compressed Air Leaks (l)	232	183	96
	Track the Amount of Energy Spent in Compressed Air Systems	339	39	133
325193	**Ethyl Alcohol**			
	Person(s) Responsible for Energy Management (c)	83	99	29
	Aware of ISO 50001	106	90	--
	Implementing ISO 50001	80	8	--
	Energy Efficiency a part of Purchasing Decision	0	195	16
	Energy Use Baseline for Comparing Energy Use in Future Years	12	164	35
	Set Goals for Improving Energy Consumption	30	158	24
	Quantitative Goals	30	90	91
	Submetering (metering beyond the main utility, revenue or supplier meter)	61	143	--
	Conduct Audits to Identify Energy Saving Opportunities	87	85	40
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	109	84	18
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	168	21	23
	Measure Oxygen and Carbon Dioxide Levels (f)	24	169	18
	Use Flue Gas to Preheat Other Equipment or Processes (g)	28	154	29
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	5	178	28
	Cleaning of Heat Transfer Equipment (i)	W	186	W
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	5	185	21
	Keep an Inventory of All Motors	12	188	12
	Detect and Control Compressed Air Leaks (l)	77	112	21
	Track the Amount of Energy Spent in Compressed Air Systems	151	28	32
325194	**Cyclic Crudes, Intermediate and Gum and Wood Chemicals**			
	Person(s) Responsible for Energy Management (c)	41	24	4
	Aware of ISO 50001	41	27	--
	Implementing ISO 50001	25	W	--
	Energy Efficiency a part of Purchasing Decision	11	54	4
	Energy Use Baseline for Comparing Energy Use in Future Years	35	26	8
	Set Goals for Improving Energy Consumption	29	32	8
	Quantitative Goals	4	27	38
	Submetering (metering beyond the main utility, revenue or supplier meter)	45	23	--
	Conduct Audits to Identify Energy Saving Opportunities	51	13	5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	42	22	5
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	50	12	6
	Measure Oxygen and Carbon Dioxide Levels (f)	40	21	8
	Use Flue Gas to Preheat Other Equipment or Processes (g)	41	17	10
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	28	37	4
	Cleaning of Heat Transfer Equipment (i)	20	42	7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	18	43	8
	Keep an Inventory of All Motors	24	40	5
	Detect and Control Compressed Air Leaks (l)	35	20	14
	Track the Amount of Energy Spent in Compressed Air Systems	57	6	6
325199	**Other Basic Organic Chemicals**			
	Person(s) Responsible for Energy Management (c)	245	203	70
	Aware of ISO 50001	309	168	--
	Implementing ISO 50001	151	14	--
	Energy Efficiency a part of Purchasing Decision	80	383	55
	Energy Use Baseline for Comparing Energy Use in Future Years	69	366	83
	Set Goals for Improving Energy Consumption	164	281	73
	Quantitative Goals	19	241	259
	Submetering (metering beyond the main utility, revenue or supplier meter)	267	212	--
	Conduct Audits to Identify Energy Saving Opportunities	298	137	83
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	328	102	88
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	409	24	86
	Measure Oxygen and Carbon Dioxide Levels (f)	145	295	78
	Use Flue Gas to Preheat Other Equipment or Processes (g)	264	165	90
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	108	345	66
	Cleaning of Heat Transfer Equipment (i)	88	357	73
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	77	376	65
	Keep an Inventory of All Motors	61	351	106
	Detect and Control Compressed Air Leaks (l)	275	163	80
	Track the Amount of Energy Spent in Compressed Air Systems	362	80	76
325211	**Plastics Materials and Resins**			
	Person(s) Responsible for Energy Management (c)	415	382	47
	Aware of ISO 50001	462	335	--
	Implementing ISO 50001	304	Q	--
	Energy Efficiency a part of Purchasing Decision	124	640	79
	Energy Use Baseline for Comparing Energy Use in Future Years	331	411	102
	Set Goals for Improving Energy Consumption	416	315	113
	Quantitative Goals	57	232	555
	Submetering (metering beyond the main utility, revenue or supplier meter)	564	253	--
	Conduct Audits to Identify Energy Saving Opportunities	458	285	101
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	531	214	100
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	683	65	96
	Measure Oxygen and Carbon Dioxide Levels (f)	493	216	135
	Use Flue Gas to Preheat Other Equipment or Processes (g)	631	121	92
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	251	530	63
	Cleaning of Heat Transfer Equipment (i)	284	446	114
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	223	524	97
	Keep an Inventory of All Motors	344	435	66
	Detect and Control Compressed Air Leaks (l)	366	409	69
	Track the Amount of Energy Spent in Compressed Air Systems	660	85	100
325212	**Synthetic Rubber**			
	Person(s) Responsible for Energy Management (c)	45	29	12
	Aware of ISO 50001	48	31	--
	Implementing ISO 50001	27	W	--
	Energy Efficiency a part of Purchasing Decision	4	67	14
	Energy Use Baseline for Comparing Energy Use in Future Years	19	44	23
	Set Goals for Improving Energy Consumption	26	36	23
	Quantitative Goals	7	26	53

	Submetering (metering beyond the main utility, revenue or supplier meter)	53	28	--
	Conduct Audits to Identify Energy Saving Opportunities	40	25	20
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	51	20	14
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	69	W	W
	Measure Oxygen and Carbon Dioxide Levels (f)	36	38	11
	Use Flue Gas to Preheat Other Equipment or Processes (g)	63	14	8
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	26	53	5
	Cleaning of Heat Transfer Equipment (i)	22	53	10
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	20	54	11
	Keep an Inventory of All Motors	26	50	9
	Detect and Control Compressed Air Leaks (l)	44	33	8
	Track the Amount of Energy Spent in Compressed Air Systems	65	15	5
325220	**Artificial and Synthetic Fibers and Filaments**			
	Person(s) Responsible for Energy Management (c)	40	37	11
	Aware of ISO 50001	50	35	--
	Implementing ISO 50001	31	4	--
	Energy Efficiency a part of Purchasing Decision	9	74	6
	Energy Use Baseline for Comparing Energy Use in Future Years	23	46	20
	Set Goals for Improving Energy Consumption	33	37	19
	Quantitative Goals	7	24	58
	Submetering (metering beyond the main utility, revenue or supplier meter)	59	29	--
	Conduct Audits to Identify Energy Saving Opportunities	48	28	14
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	56	16	17
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	68	5	16
	Measure Oxygen and Carbon Dioxide Levels (f)	43	30	15
	Use Flue Gas to Preheat Other Equipment or Processes (g)	49	17	23
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	22	49	18
	Cleaning of Heat Transfer Equipment (i)	20	53	16
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	14	55	20
	Keep an Inventory of All Motors	23	48	18
	Detect and Control Compressed Air Leaks (l)	36	37	16
	Track the Amount of Energy Spent in Compressed Air Systems	52	21	16
325311	**Nitrogenous Fertilizers**			
	Person(s) Responsible for Energy Management (c)	65	24	Q
	Aware of ISO 50001	75	Q	--
	Implementing ISO 50001	Q	0	--
	Energy Efficiency a part of Purchasing Decision	4	89	Q
	Energy Use Baseline for Comparing Energy Use in Future Years	16	73	Q
	Set Goals for Improving Energy Consumption	22	70	Q
	Quantitative Goals	7	20	106
	Submetering (metering beyond the main utility, revenue or supplier meter)	105	27	--
	Conduct Audits to Identify Energy Saving Opportunities	106	18	10
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	114	13	6
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	76	6	Q
	Measure Oxygen and Carbon Dioxide Levels (f)	67	Q	5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	105	22	6
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	Q	78	7
	Cleaning of Heat Transfer Equipment (i)	Q	78	6
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	11	117	5
	Keep an Inventory of All Motors	Q	76	6
	Detect and Control Compressed Air Leaks (l)	70	Q	9
	Track the Amount of Energy Spent in Compressed Air Systems	119	6	8
325312	**Phosphatic Fertilizers**			
	Person(s) Responsible for Energy Management (c)	25	7	25
	Aware of ISO 50001	38	10	--
	Implementing ISO 50001	10	0	--
	Energy Efficiency a part of Purchasing Decision	W	33	W
	Energy Use Baseline for Comparing Energy Use in Future Years	10	18	30
	Set Goals for Improving Energy Consumption	16	18	23
	Quantitative Goals	W	W	45
	Submetering (metering beyond the main utility, revenue or supplier meter)	39	9	--
	Conduct Audits to Identify Energy Saving Opportunities	18	9	30
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	W	W	28
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	28	0	29
	Measure Oxygen and Carbon Dioxide Levels (f)	16	11	29
	Use Flue Gas to Preheat Other Equipment or Processes (g)	23	5	29
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	5	24	29
	Cleaning of Heat Transfer Equipment (i)	6	22	29
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	5	25	28
	Keep an Inventory of All Motors	3	29	25
	Detect and Control Compressed Air Leaks (l)	18	13	26
	Track the Amount of Energy Spent in Compressed Air Systems	27	0	30
3254	**Pharmaceuticals and Medicines**			
	Person(s) Responsible for Energy Management (c)	500	402	298
	Aware of ISO 50001	767	385	--
	Implementing ISO 50001	339	42	--
	Energy Efficiency a part of Purchasing Decision	167	739	293
	Energy Use Baseline for Comparing Energy Use in Future Years	477	376	346
	Set Goals for Improving Energy Consumption	488	387	325
	Quantitative Goals	36	315	848
	Submetering (metering beyond the main utility, revenue or supplier meter)	885	272	--
	Conduct Audits to Identify Energy Saving Opportunities	568	336	295
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	717	167	315
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	827	79	294
	Measure Oxygen and Carbon Dioxide Levels (f)	535	352	311
	Use Flue Gas to Preheat Other Equipment or Processes (g)	767	124	308
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	225	705	269
	Cleaning of Heat Transfer Equipment (i)	159	757	283
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	119	692	387
	Keep an Inventory of All Motors	483	456	261
	Detect and Control Compressed Air Leaks (l)	606	354	239
	Track the Amount of Energy Spent in Compressed Air Systems	753	183	262
325412	**Pharmaceutical Preparation**			
	Person(s) Responsible for Energy Management (c)	241	170	191
	Aware of ISO 50001	393	181	--
	Implementing ISO 50001	160	19	--
	Energy Efficiency a part of Purchasing Decision	Q	376	158
	Energy Use Baseline for Comparing Energy Use in Future Years	197	195	210
	Set Goals for Improving Energy Consumption	232	172	197
	Quantitative Goals	29	136	436
	Submetering (metering beyond the main utility, revenue or supplier meter)	484	90	--
	Conduct Audits to Identify Energy Saving Opportunities	273	136	193
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	329	63	209
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	394	28	179
	Measure Oxygen and Carbon Dioxide Levels (f)	236	196	169
	Use Flue Gas to Preheat Other Equipment or Processes (g)	368	64	169
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	109	369	123
	Cleaning of Heat Transfer Equipment (i)	42	430	129
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	42	360	200
	Keep an Inventory of All Motors	308	163	130
	Detect and Control Compressed Air Leaks (l)	300	163	138
	Track the Amount of Energy Spent in Compressed Air Systems	384	53	164
325992	**Photographic Film, Paper, Plate, and Chemicals**			
	Person(s) Responsible for Energy Management (c)	60	51	10

	Aware of ISO 50001	97	19	--
	Implementing ISO 50001	19	0	--
	Energy Efficiency a part of Purchasing Decision	6	109	6
	Energy Use Baseline for Comparing Energy Use in Future Years	58	39	24
	Set Goals for Improving Energy Consumption	37	26	58
	Quantitative Goals	4	22	95
	Submetering (metering beyond the main utility, revenue or supplier meter)	87	29	--
	Conduct Audits to Identify Energy Saving Opportunities	85	27	8
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	68	11	42
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	89	6	27
	Measure Oxygen and Carbon Dioxide Levels (f)	74	14	33
	Use Flue Gas to Preheat Other Equipment or Processes (g)	95	7	19
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	49	41	31
	Cleaning of Heat Transfer Equipment (i)	48	31	41
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	42	63	16
	Keep an Inventory of All Motors	68	37	16
	Detect and Control Compressed Air Leaks (l)	68	29	24
	Track the Amount of Energy Spent in Compressed Air Systems	77	14	30
326	**Plastics and Rubber Products**			
	Person(s) Responsible for Energy Management (c)	4,253	2,349	1,616
	Aware of ISO 50001	5,216	2,479	--
	Implementing ISO 50001	2,049	430	--
	Energy Efficiency a part of Purchasing Decision	774	6,437	1,006
	Energy Use Baseline for Comparing Energy Use in Future Years	3,015	3,084	2,118
	Set Goals for Improving Energy Consumption	3,425	2,793	1,999
	Quantitative Goals	548	1,666	6,003
	Submetering (metering beyond the main utility, revenue or supplier meter)	6,383	1,240	--
	Conduct Audits to Identify Energy Saving Opportunities	4,179	2,416	1,622
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	4,344	1,694	2,179
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5,747	447	2,023
	Measure Oxygen and Carbon Dioxide Levels (f)	4,752	1,140	2,325
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5,871	279	2,067
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	2,348	4,419	1,450
	Cleaning of Heat Transfer Equipment (i)	2,003	4,210	2,004
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	1,826	4,763	1,628
	Keep an Inventory of All Motors	3,116	3,497	1,604
	Detect and Control Compressed Air Leaks (l)	2,210	4,007	2,000
	Track the Amount of Energy Spent in Compressed Air Systems	5,474	758	1,985
327	**Nonmetallic Mineral Products**			
	Person(s) Responsible for Energy Management (c)	7,326	2,908	1,950
	Aware of ISO 50001	7,938	3,308	--
	Implementing ISO 50001	2,777	530	--
	Energy Efficiency a part of Purchasing Decision	1,983	8,596	1,604
	Energy Use Baseline for Comparing Energy Use in Future Years	5,124	3,672	3,388
	Set Goals for Improving Energy Consumption	5,703	3,832	2,649
	Quantitative Goals	1,124	1,994	9,066
	Submetering (metering beyond the main utility, revenue or supplier meter)	9,891	1,532	--
	Conduct Audits to Identify Energy Saving Opportunities	7,632	1,973	2,580
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	7,635	1,893	2,656
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	8,727	793	2,665
	Measure Oxygen and Carbon Dioxide Levels (f)	7,824	1,710	2,650
	Use Flue Gas to Preheat Other Equipment or Processes (g)	9,236	690	2,258
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	3,815	5,850	2,519
	Cleaning of Heat Transfer Equipment (i)	3,829	5,590	2,765
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	2,959	6,414	2,811
	Keep an Inventory of All Motors	6,171	4,138	1,875
	Detect and Control Compressed Air Leaks (l)	5,265	4,577	2,342
	Track the Amount of Energy Spent in Compressed Air Systems	8,963	780	2,441
327120	**Clay Building Material and Refractories**			
	Person(s) Responsible for Energy Management (c)	220	185	41
	Aware of ISO 50001	308	120	--
	Implementing ISO 50001	105	11	--
	Energy Efficiency a part of Purchasing Decision	24	392	29
	Energy Use Baseline for Comparing Energy Use in Future Years	138	220	88
	Set Goals for Improving Energy Consumption	161	222	63
	Quantitative Goals	82	127	237
	Submetering (metering beyond the main utility, revenue or supplier meter)	254	181	--
	Conduct Audits to Identify Energy Saving Opportunities	262	98	86
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	223	150	73
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	330	63	54
	Measure Oxygen and Carbon Dioxide Levels (f)	233	131	82
	Use Flue Gas to Preheat Other Equipment or Processes (g)	281	128	37
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	81	327	39
	Cleaning of Heat Transfer Equipment (i)	153	234	59
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	43	340	63
	Keep an Inventory of All Motors	152	257	36
	Detect and Control Compressed Air Leaks (l)	261	153	32
	Track the Amount of Energy Spent in Compressed Air Systems	379	25	42
327211	**Flat Glass**			
	Person(s) Responsible for Energy Management (c)	W	32	W
	Aware of ISO 50001	18	32	--
	Implementing ISO 50001	32	0	--
	Energy Efficiency a part of Purchasing Decision	W	W	0
	Energy Use Baseline for Comparing Energy Use in Future Years	W	41	W
	Set Goals for Improving Energy Consumption	W	34	W
	Quantitative Goals	3	29	18
	Submetering (metering beyond the main utility, revenue or supplier meter)	19	28	--
	Conduct Audits to Identify Energy Saving Opportunities	20	23	7
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	16	27	7
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	36	9	6
	Measure Oxygen and Carbon Dioxide Levels (f)	9	32	9
	Use Flue Gas to Preheat Other Equipment or Processes (g)	W	32	W
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	W	41	W
	Cleaning of Heat Transfer Equipment (i)	7	35	9
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0	44	6
	Keep an Inventory of All Motors	W	41	W
	Detect and Control Compressed Air Leaks (l)	24	26	0
	Track the Amount of Energy Spent in Compressed Air Systems	26	18	6
327212	**Other Pressed and Blown Glass and Glassware**			
	Person(s) Responsible for Energy Management (c)	108	51	Q
	Aware of ISO 50001	123	Q	--
	Implementing ISO 50001	65	W	--
	Energy Efficiency a part of Purchasing Decision	32	120	Q
	Energy Use Baseline for Comparing Energy Use in Future Years	77	65	Q
	Set Goals for Improving Energy Consumption	118	72	4
	Quantitative Goals	25	38	131
	Submetering (metering beyond the main utility, revenue or supplier meter)	157	35	--
	Conduct Audits to Identify Energy Saving Opportunities	113	32	Q
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	130	50	14
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	136	Q	Q
	Measure Oxygen and Carbon Dioxide Levels (f)	117	33	Q
	Use Flue Gas to Preheat Other Equipment or Processes (g)	130	20	Q
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	72	101	21
	Cleaning of Heat Transfer Equipment (i)	82	90	22
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	88	86	20
	Keep an Inventory of All Motors	105	46	Q

	Detect and Control Compressed Air Leaks (l)	114	37	Q
	Track the Amount of Energy Spent in Compressed Air Systems	137	9	Q
327213	**Glass Containers**			
	Person(s) Responsible for Energy Management (c)	W	47	W
	Aware of ISO 50001	23	34	--
	Implementing ISO 50001	32	W	--
	Energy Efficiency a part of Purchasing Decision	W	W	W
	Energy Use Baseline for Comparing Energy Use in Future Years	5	46	8
	Set Goals for Improving Energy Consumption	9	39	12
	Quantitative Goals	W	35	W
	Submetering (metering beyond the main utility, revenue or supplier meter)	11	47	--
	Conduct Audits to Identify Energy Saving Opportunities	16	19	24
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	20	23	16
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	40	W	W
	Measure Oxygen and Carbon Dioxide Levels (f)	9	42	8
	Use Flue Gas to Preheat Other Equipment or Processes (g)	13	37	9
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	W	54	W
	Cleaning of Heat Transfer Equipment (i)	W	52	W
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W	51	W
	Keep an Inventory of All Motors	16	35	8
	Detect and Control Compressed Air Leaks (l)	17	26	16
	Track the Amount of Energy Spent in Compressed Air Systems	22	23	14
327215	**Glass Products from Purchased Glass**			
	Person(s) Responsible for Energy Management (c)	441	124	118
	Aware of ISO 50001	499	176	--
	Implementing ISO 50001	158	16	--
	Energy Efficiency a part of Purchasing Decision	121	507	55
	Energy Use Baseline for Comparing Energy Use in Future Years	308	153	222
	Set Goals for Improving Energy Consumption	340	245	97
	Quantitative Goals	58	123	501
	Submetering (metering beyond the main utility, revenue or supplier meter)	617	61	--
	Conduct Audits to Identify Energy Saving Opportunities	412	177	94
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	409	205	69
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	545	63	75
	Measure Oxygen and Carbon Dioxide Levels (f)	538	46	100
	Use Flue Gas to Preheat Other Equipment or Processes (g)	588	28	67
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	248	352	84
	Cleaning of Heat Transfer Equipment (i)	243	309	131
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	233	358	92
	Keep an Inventory of All Motors	367	248	68
	Detect and Control Compressed Air Leaks (l)	344	259	81
	Track the Amount of Energy Spent in Compressed Air Systems	560	19	104
327310	**Cements**			
	Person(s) Responsible for Energy Management (c)	51	72	Q
	Aware of ISO 50001	60	119	--
	Implementing ISO 50001	59	Q	--
	Energy Efficiency a part of Purchasing Decision	W	168	W
	Energy Use Baseline for Comparing Energy Use in Future Years	W	89	W
	Set Goals for Improving Energy Consumption	Q	109	Q
	Quantitative Goals	3	80	106
	Submetering (metering beyond the main utility, revenue or supplier meter)	81	101	--
	Conduct Audits to Identify Energy Saving Opportunities	55	58	75
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	45	76	Q
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	82	34	73
	Measure Oxygen and Carbon Dioxide Levels (f)	39	85	Q
	Use Flue Gas to Preheat Other Equipment or Processes (g)	49	77	Q
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	33	93	Q
	Cleaning of Heat Transfer Equipment (i)	53	68	Q
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W	149	W
	Keep an Inventory of All Motors	Q	109	Q
	Detect and Control Compressed Air Leaks (l)	119	60	10
	Track the Amount of Energy Spent in Compressed Air Systems	126	45	19
327410	**Lime**			
	Person(s) Responsible for Energy Management (c)	36	27	20
	Aware of ISO 50001	29	49	--
	Implementing ISO 50001	40	W	--
	Energy Efficiency a part of Purchasing Decision	0	71	12
	Energy Use Baseline for Comparing Energy Use in Future Years	17	49	17
	Set Goals for Improving Energy Consumption	20	52	11
	Quantitative Goals	W	49	W
	Submetering (metering beyond the main utility, revenue or supplier meter)	50	27	--
	Conduct Audits to Identify Energy Saving Opportunities	28	10	45
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	22	26	35
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	34	7	42
	Measure Oxygen and Carbon Dioxide Levels (f)	16	37	29
	Use Flue Gas to Preheat Other Equipment or Processes (g)	32	32	19
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	W	67	W
	Cleaning of Heat Transfer Equipment (i)	5	53	25
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	4	56	23
	Keep an Inventory of All Motors	7	62	15
	Detect and Control Compressed Air Leaks (l)	30	25	28
	Track the Amount of Energy Spent in Compressed Air Systems	41	15	27
327420	**Gypsum**			
	Person(s) Responsible for Energy Management (c)	61	53	8
	Aware of ISO 50001	87	33	--
	Implementing ISO 50001	32	W	--
	Energy Efficiency a part of Purchasing Decision	Q	87	Q
	Energy Use Baseline for Comparing Energy Use in Future Years	Q	82	8
	Set Goals for Improving Energy Consumption	Q	84	8
	Quantitative Goals	49	34	39
	Submetering (metering beyond the main utility, revenue or supplier meter)	35	67	--
	Conduct Audits to Identify Energy Saving Opportunities	46	67	9
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	78	15	Q
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	90	W	W
	Measure Oxygen and Carbon Dioxide Levels (f)	90	22	10
	Use Flue Gas to Preheat Other Equipment or Processes (g)	79	35	8
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	47	47	Q
	Cleaning of Heat Transfer Equipment (i)	67	45	9
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	48	65	9
	Keep an Inventory of All Motors	Q	86	5
	Detect and Control Compressed Air Leaks (l)	72	42	8
	Track the Amount of Energy Spent in Compressed Air Systems	101	11	9
327993	**Mineral Wool**			
	Person(s) Responsible for Energy Management (c)	92	57	37
	Aware of ISO 50001	76	105	--
	Implementing ISO 50001	102	W	--
	Energy Efficiency a part of Purchasing Decision	15	146	25
	Energy Use Baseline for Comparing Energy Use in Future Years	68	74	44
	Set Goals for Improving Energy Consumption	32	110	44
	Quantitative Goals	Q	89	78
	Submetering (metering beyond the main utility, revenue or supplier meter)	142	40	--
	Conduct Audits to Identify Energy Saving Opportunities	126	30	30
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	66	87	33
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	146	8	32
	Measure Oxygen and Carbon Dioxide Levels (f)	113	42	31

	Use Flue Gas to Preheat Other Equipment or Processes (g)	136	23	27
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	84	73	29
	Cleaning of Heat Transfer Equipment (i)	58	98	30
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	46	111	29
	Keep an Inventory of All Motors	28	135	23
	Detect and Control Compressed Air Leaks (l)	53	110	23
	Track the Amount of Energy Spent in Compressed Air Systems	140	16	30
331	**Primary Metals**			
	Person(s) Responsible for Energy Management (c)	1,659	1,016	463
	Aware of ISO 50001	1,700	1,196	--
	Implementing ISO 50001	1,063	126	--
	Energy Efficiency a part of Purchasing Decision	403	2,381	354
	Energy Use Baseline for Comparing Energy Use in Future Years	1,125	1,350	663
	Set Goals for Improving Energy Consumption	1,526	965	647
	Quantitative Goals	197	630	2,311
	Submetering (metering beyond the main utility, revenue or supplier meter)	2,178	758	--
	Conduct Audits to Identify Energy Saving Opportunities	1,764	815	560
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	1,615	1,003	520
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	2,251	365	522
	Measure Oxygen and Carbon Dioxide Levels (f)	1,719	720	699
	Use Flue Gas to Preheat Other Equipment or Processes (g)	2,084	439	615
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	605	1,923	610
	Cleaning of Heat Transfer Equipment (i)	841	1,617	680
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	558	1,975	604
	Keep an Inventory of All Motors	1,159	1,462	517
	Detect and Control Compressed Air Leaks (l)	1,427	1,196	515
	Track the Amount of Energy Spent in Compressed Air Systems	2,181	369	587
331110	**Iron and Steel Mills and Ferroalloys**			
	Person(s) Responsible for Energy Management (c)	100	196	49
	Aware of ISO 50001	157	163	--
	Implementing ISO 50001	139	23	--
	Energy Efficiency a part of Purchasing Decision	21	282	42
	Energy Use Baseline for Comparing Energy Use in Future Years	67	202	76
	Set Goals for Improving Energy Consumption	125	149	71
	Quantitative Goals	26	108	211
	Submetering (metering beyond the main utility, revenue or supplier meter)	159	161	--
	Conduct Audits to Identify Energy Saving Opportunities	146	131	68
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	109	169	67
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	193	92	61
	Measure Oxygen and Carbon Dioxide Levels (f)	140	138	68
	Use Flue Gas to Preheat Other Equipment or Processes (g)	201	87	57
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	52	245	48
	Cleaning of Heat Transfer Equipment (i)	88	203	54
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	45	246	54
	Keep an Inventory of All Motors	81	211	53
	Detect and Control Compressed Air Leaks (l)	152	132	60
	Track the Amount of Energy Spent in Compressed Air Systems	228	50	68
3312	**Steel Products from Purchased Steel**			
	Person(s) Responsible for Energy Management (c)	231	140	99
	Aware of ISO 50001	231	177	--
	Implementing ISO 50001	163	12	--
	Energy Efficiency a part of Purchasing Decision	82	303	84
	Energy Use Baseline for Comparing Energy Use in Future Years	188	169	113
	Set Goals for Improving Energy Consumption	201	128	140
	Quantitative Goals	54	62	354
	Submetering (metering beyond the main utility, revenue or supplier meter)	341	82	--
	Conduct Audits to Identify Energy Saving Opportunities	263	104	102
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	271	121	78
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	355	33	81
	Measure Oxygen and Carbon Dioxide Levels (f)	272	74	124
	Use Flue Gas to Preheat Other Equipment or Processes (g)	329	21	120
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	121	190	159
	Cleaning of Heat Transfer Equipment (i)	168	183	119
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	150	188	132
	Keep an Inventory of All Motors	149	229	92
	Detect and Control Compressed Air Leaks (l)	215	154	101
	Track the Amount of Energy Spent in Compressed Air Systems	301	64	105
3313	**Alumina and Aluminum**			
	Person(s) Responsible for Energy Management (c)	189	147	46
	Aware of ISO 50001	223	131	--
	Implementing ISO 50001	117	12	--
	Energy Efficiency a part of Purchasing Decision	38	321	24
	Energy Use Baseline for Comparing Energy Use in Future Years	152	181	50
	Set Goals for Improving Energy Consumption	182	136	66
	Quantitative Goals	16	107	260
	Submetering (metering beyond the main utility, revenue or supplier meter)	240	131	--
	Conduct Audits to Identify Energy Saving Opportunities	204	115	64
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	209	123	51
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	290	35	58
	Measure Oxygen and Carbon Dioxide Levels (f)	172	107	104
	Use Flue Gas to Preheat Other Equipment or Processes (g)	214	91	78
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	66	254	62
	Cleaning of Heat Transfer Equipment (i)	111	209	63
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	59	248	75
	Keep an Inventory of All Motors	136	187	60
	Detect and Control Compressed Air Leaks (l)	195	131	57
	Track the Amount of Energy Spent in Compressed Air Systems	275	44	64
331314	**Secondary Smelting and Alloying of Aluminum**			
	Person(s) Responsible for Energy Management (c)	46	37	13
	Aware of ISO 50001	64	31	--
	Implementing ISO 50001	25	5	--
	Energy Efficiency a part of Purchasing Decision	16	74	6
	Energy Use Baseline for Comparing Energy Use in Future Years	29	57	10
	Set Goals for Improving Energy Consumption	42	40	14
	Quantitative Goals	W	W	58
	Submetering (metering beyond the main utility, revenue or supplier meter)	61	32	--
	Conduct Audits to Identify Energy Saving Opportunities	49	32	15
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	50	35	11
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	74	W	W
	Measure Oxygen and Carbon Dioxide Levels (f)	50	25	21
	Use Flue Gas to Preheat Other Equipment or Processes (g)	59	19	18
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	15	66	15
	Cleaning of Heat Transfer Equipment (i)	22	58	17
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	17	65	13
	Keep an Inventory of All Motors	39	46	11
	Detect and Control Compressed Air Leaks (l)	51	25	20
	Track the Amount of Energy Spent in Compressed Air Systems	74	10	12
331315	**Aluminum Sheet, Plate and Foils**			
	Person(s) Responsible for Energy Management (c)	16	34	7
	Aware of ISO 50001	13	29	--
	Implementing ISO 50001	27	W	--
	Energy Efficiency a part of Purchasing Decision	W	45	W
	Energy Use Baseline for Comparing Energy Use in Future Years	23	25	9
	Set Goals for Improving Energy Consumption	28	W	W

	Quantitative Goals	0	20	37
	Submetering (metering beyond the main utility, revenue or supplier meter)	16	37	--
	Conduct Audits to Identify Energy Saving Opportunities	W	24	W
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	19	30	8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	39	8	10
	Measure Oxygen and Carbon Dioxide Levels (f)	9	23	25
	Use Flue Gas to Preheat Other Equipment or Processes (g)	16	20	21
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	W	43	W
	Cleaning of Heat Transfer Equipment (i)	22	26	9
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	6	42	9
	Keep an Inventory of All Motors	W	34	W
	Detect and Control Compressed Air Leaks (l)	22	W	W
	Track the Amount of Energy Spent in Compressed Air Systems	37	W	W
331318	**Other Aluminum Rolling, Drawing and Extruding**			
	Person(s) Responsible for Energy Management (c)	116	57	18
	Aware of ISO 50001	129	55	--
	Implementing ISO 50001	51	W	--
	Energy Efficiency a part of Purchasing Decision	13	168	9
	Energy Use Baseline for Comparing Energy Use in Future Years	93	72	26
	Set Goals for Improving Energy Consumption	100	50	41
	Quantitative Goals	8	40	144
	Submetering (metering beyond the main utility, revenue or supplier meter)	144	41	--
	Conduct Audits to Identify Energy Saving Opportunities	113	47	31
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	127	40	24
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	160	12	20
	Measure Oxygen and Carbon Dioxide Levels (f)	100	40	51
	Use Flue Gas to Preheat Other Equipment or Processes (g)	123	38	30
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	43	117	31
	Cleaning of Heat Transfer Equipment (i)	59	103	29
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W	112	W
	Keep an Inventory of All Motors	82	82	27
	Detect and Control Compressed Air Leaks (l)	101	72	17
	Track the Amount of Energy Spent in Compressed Air Systems	140	15	36
3314	**Nonferrous Metals, except Aluminum**			
	Person(s) Responsible for Energy Management (c)	384	155	123
	Aware of ISO 50001	381	235	--
	Implementing ISO 50001	215	Q	--
	Energy Efficiency a part of Purchasing Decision	130	462	69
	Energy Use Baseline for Comparing Energy Use in Future Years	194	293	175
	Set Goals for Improving Energy Consumption	322	166	173
	Quantitative Goals	25	113	524
	Submetering (metering beyond the main utility, revenue or supplier meter)	483	130	--
	Conduct Audits to Identify Energy Saving Opportunities	386	112	164
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	347	171	144
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	485	41	136
	Measure Oxygen and Carbon Dioxide Levels (f)	389	109	163
	Use Flue Gas to Preheat Other Equipment or Processes (g)	458	53	151
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	140	355	167
	Cleaning of Heat Transfer Equipment (i)	172	309	181
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	118	391	153
	Keep an Inventory of All Motors	243	294	125
	Detect and Control Compressed Air Leaks (l)	351	186	125
	Track the Amount of Energy Spent in Compressed Air Systems	472	62	128
331410	**Nonferrous Metal (except Aluminum) Smelting and Refining**			
	Person(s) Responsible for Energy Management (c)	72	19	17
	Aware of ISO 50001	81	20	--
	Implementing ISO 50001	18	W	--
	Energy Efficiency a part of Purchasing Decision	11	85	12
	Energy Use Baseline for Comparing Energy Use in Future Years	22	64	23
	Set Goals for Improving Energy Consumption	30	23	55
	Quantitative Goals	6	11	91
	Submetering (metering beyond the main utility, revenue or supplier meter)	75	21	--
	Conduct Audits to Identify Energy Saving Opportunities	34	16	58
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	69	23	16
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	79	11	18
	Measure Oxygen and Carbon Dioxide Levels (f)	78	16	14
	Use Flue Gas to Preheat Other Equipment or Processes (g)	87	7	15
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	11	80	17
	Cleaning of Heat Transfer Equipment (i)	18	72	18
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	11	82	15
	Keep an Inventory of All Motors	23	71	14
	Detect and Control Compressed Air Leaks (l)	73	18	16
	Track the Amount of Energy Spent in Compressed Air Systems	83	8	17
3315	**Foundries**			
	Person(s) Responsible for Energy Management (c)	754	377	147
	Aware of ISO 50001	707	490	--
	Implementing ISO 50001	428	61	--
	Energy Efficiency a part of Purchasing Decision	131	1,012	135
	Energy Use Baseline for Comparing Energy Use in Future Years	524	505	249
	Set Goals for Improving Energy Consumption	695	386	197
	Quantitative Goals	76	241	962
	Submetering (metering beyond the main utility, revenue or supplier meter)	955	254	--
	Conduct Audits to Identify Energy Saving Opportunities	764	352	161
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	679	419	180
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	927	164	186
	Measure Oxygen and Carbon Dioxide Levels (f)	746	292	239
	Use Flue Gas to Preheat Other Equipment or Processes (g)	882	187	209
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	225	878	175
	Cleaning of Heat Transfer Equipment (i)	303	712	263
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	186	902	190
	Keep an Inventory of All Motors	550	540	188
	Detect and Control Compressed Air Leaks (l)	514	593	171
	Track the Amount of Energy Spent in Compressed Air Systems	906	149	223
331511	**Iron Foundries**			
	Person(s) Responsible for Energy Management (c)	106	136	77
	Aware of ISO 50001	124	146	--
	Implementing ISO 50001	134	10	--
	Energy Efficiency a part of Purchasing Decision	Q	259	Q
	Energy Use Baseline for Comparing Energy Use in Future Years	76	170	73
	Set Goals for Improving Energy Consumption	148	105	Q
	Quantitative Goals	25	63	232
	Submetering (metering beyond the main utility, revenue or supplier meter)	177	98	--
	Conduct Audits to Identify Energy Saving Opportunities	120	139	Q
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	118	134	68
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	185	65	70
	Measure Oxygen and Carbon Dioxide Levels (f)	188	35	97
	Use Flue Gas to Preheat Other Equipment or Processes (g)	195	36	89
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	88	165	68
	Cleaning of Heat Transfer Equipment (i)	46	186	88
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	38	213	69
	Keep an Inventory of All Motors	110	138	72
	Detect and Control Compressed Air Leaks (l)	99	155	Q
	Track the Amount of Energy Spent in Compressed Air Systems	185	54	81
331523	**Nonferrous Metal Die-Casting Foundaries**			

	Person(s) Responsible for Energy Management (c)	151	86	18
	Aware of ISO 50001	151	89	--
	Implementing ISO 50001	62	Q	--
	Energy Efficiency a part of Purchasing Decision	39	192	23
	Energy Use Baseline for Comparing Energy Use in Future Years	94	94	66
	Set Goals for Improving Energy Consumption	120	76	58
	Quantitative Goals	20	53	181
	Submetering (metering beyond the main utility, revenue or supplier meter)	206	38	--
	Conduct Audits to Identify Energy Saving Opportunities	152	70	32
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	166	52	36
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	201	13	40
	Measure Oxygen and Carbon Dioxide Levels (f)	144	55	56
	Use Flue Gas to Preheat Other Equipment or Processes (g)	170	48	35
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	24	202	28
	Cleaning of Heat Transfer Equipment (i)	46	162	46
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	24	205	25
	Keep an Inventory of All Motors	135	73	46
	Detect and Control Compressed Air Leaks (l)	114	114	25
	Track the Amount of Energy Spent in Compressed Air Systems	189	36	29
331524	**Aluminum Foundries, except Die-Casting**			
	Person(s) Responsible for Energy Management (c)	164	75	28
	Aware of ISO 50001	163	99	--
	Implementing ISO 50001	93	W	--
	Energy Efficiency a part of Purchasing Decision	10	234	24
	Energy Use Baseline for Comparing Energy Use in Future Years	120	88	60
	Set Goals for Improving Energy Consumption	135	90	43
	Quantitative Goals	17	43	208
	Submetering (metering beyond the main utility, revenue or supplier meter)	216	47	--
	Conduct Audits to Identify Energy Saving Opportunities	173	57	38
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	145	81	41
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	205	19	44
	Measure Oxygen and Carbon Dioxide Levels (f)	152	74	42
	Use Flue Gas to Preheat Other Equipment or Processes (g)	185	46	37
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	24	214	30
	Cleaning of Heat Transfer Equipment (i)	35	197	36
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	27	211	30
	Keep an Inventory of All Motors	129	108	31
	Detect and Control Compressed Air Leaks (l)	104	128	36
	Track the Amount of Energy Spent in Compressed Air Systems	217	19	32
332	**Fabricated Metal Products**			
	Person(s) Responsible for Energy Management (c)	25,859	5,989	4,590
	Aware of ISO 50001	25,941	8,903	--
	Implementing ISO 50001	7,968	1,067	--
	Energy Efficiency a part of Purchasing Decision	8,325	23,628	4,486
	Energy Use Baseline for Comparing Energy Use in Future Years	22,016	6,114	8,309
	Set Goals for Improving Energy Consumption	21,629	5,597	9,213
	Quantitative Goals	1,405	3,674	31,360
	Submetering (metering beyond the main utility, revenue or supplier meter)	33,531	1,563	--
	Conduct Audits to Identify Energy Saving Opportunities	27,226	3,945	5,268
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	25,664	4,487	6,287
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	28,512	1,971	5,956
	Measure Oxygen and Carbon Dioxide Levels (f)	25,327	3,333	7,779
	Use Flue Gas to Preheat Other Equipment or Processes (g)	27,356	899	8,183
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	14,863	13,496	8,080
	Cleaning of Heat Transfer Equipment (i)	14,712	13,725	8,001
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	14,214	13,517	8,709
	Keep an Inventory of All Motors	20,091	8,552	7,796
	Detect and Control Compressed Air Leaks (l)	17,963	10,806	7,670
	Track the Amount of Energy Spent in Compressed Air Systems	27,839	1,823	6,777
333	**Machinery**			
	Person(s) Responsible for Energy Management (c)	10,796	2,995	1,516
	Aware of ISO 50001	10,045	4,452	--
	Implementing ISO 50001	4,103	348	--
	Energy Efficiency a part of Purchasing Decision	2,975	10,757	1,575
	Energy Use Baseline for Comparing Energy Use in Future Years	7,960	3,469	3,878
	Set Goals for Improving Energy Consumption	8,343	3,460	3,504
	Quantitative Goals	1,112	1,907	12,289
	Submetering (metering beyond the main utility, revenue or supplier meter)	14,101	614	--
	Conduct Audits to Identify Energy Saving Opportunities	10,024	2,355	2,928
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	10,429	1,954	2,924
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	11,849	862	2,596
	Measure Oxygen and Carbon Dioxide Levels (f)	10,576	1,025	3,706
	Use Flue Gas to Preheat Other Equipment or Processes (g)	11,782	261	3,264
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	5,489	6,659	3,159
	Cleaning of Heat Transfer Equipment (i)	5,636	6,310	3,362
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	5,334	6,301	3,673
	Keep an Inventory of All Motors	8,418	4,020	2,870
	Detect and Control Compressed Air Leaks (l)	7,576	4,381	3,351
	Track the Amount of Energy Spent in Compressed Air Systems	11,317	1,206	2,784
334	**Computer and Electronic Products**			
	Person(s) Responsible for Energy Management (c)	4,148	1,587	1,096
	Aware of ISO 50001	4,341	2,044	--
	Implementing ISO 50001	1,822	Q	--
	Energy Efficiency a part of Purchasing Decision	1,702	4,307	822
	Energy Use Baseline for Comparing Energy Use in Future Years	2,988	1,885	1,958
	Set Goals for Improving Energy Consumption	3,621	1,640	1,570
	Quantitative Goals	421	1,211	5,198
	Submetering (metering beyond the main utility, revenue or supplier meter)	5,717	595	--
	Conduct Audits to Identify Energy Saving Opportunities	4,137	1,785	909
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	4,016	1,632	1,182
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	4,780	775	1,276
	Measure Oxygen and Carbon Dioxide Levels (f)	4,611	480	1,740
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5,334	75	1,422
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	2,588	2,790	1,453
	Cleaning of Heat Transfer Equipment (i)	2,725	2,401	1,705
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	2,078	2,959	1,794
	Keep an Inventory of All Motors	2,883	2,111	1,837
	Detect and Control Compressed Air Leaks (l)	3,617	1,898	1,316
	Track the Amount of Energy Spent in Compressed Air Systems	4,833	575	1,423
334413	**Semiconductors and Related Devices**			
	Person(s) Responsible for Energy Management (c)	138	172	78
	Aware of ISO 50001	169	174	--
	Implementing ISO 50001	142	32	--
	Energy Efficiency a part of Purchasing Decision	Q	272	59
	Energy Use Baseline for Comparing Energy Use in Future Years	118	175	95
	Set Goals for Improving Energy Consumption	106	190	93
	Quantitative Goals	Q	106	206
	Submetering (metering beyond the main utility, revenue or supplier meter)	223	126	--
	Conduct Audits to Identify Energy Saving Opportunities	175	147	67
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	158	176	54
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	223	93	72
	Measure Oxygen and Carbon Dioxide Levels (f)	215	114	59
	Use Flue Gas to Preheat Other Equipment or Processes (g)	302	21	65
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	84	192	112
	Cleaning of Heat Transfer Equipment (i)	98	168	122
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	114	173	102

	Keep an Inventory of All Motors	225	96	67
	Detect and Control Compressed Air Leaks (l)	180	159	49
	Track the Amount of Energy Spent in Compressed Air Systems	226	91	70
335	**Electrical Equip., Appliances, Components**			
	Person(s) Responsible for Energy Management (c)	1,983	723	591
	Aware of ISO 50001	2,146	951	--
	Implementing ISO 50001	884	W	--
	Energy Efficiency a part of Purchasing Decision	641	2,283	374
	Energy Use Baseline for Comparing Energy Use in Future Years	1,715	781	802
	Set Goals for Improving Energy Consumption	2,042	614	642
	Quantitative Goals	Q	336	2,783
	Submetering (metering beyond the main utility, revenue or supplier meter)	2,925	165	--
	Conduct Audits to Identify Energy Saving Opportunities	1,974	903	420
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	2,401	381	516
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	2,555	218	525
	Measure Oxygen and Carbon Dioxide Levels (f)	2,099	311	889
	Use Flue Gas to Preheat Other Equipment or Processes (g)	2,500	145	654
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	1,214	1,175	909
	Cleaning of Heat Transfer Equipment (i)	1,067	1,258	973
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	1,122	1,093	1,084
	Keep an Inventory of All Motors	2,006	431	861
	Detect and Control Compressed Air Leaks (l)	1,442	810	1,046
	Track the Amount of Energy Spent in Compressed Air Systems	2,359	259	680
336	**Transportation Equipment**			
	Person(s) Responsible for Energy Management (c)	3,514	1,999	1,090
	Aware of ISO 50001	3,685	2,375	--
	Implementing ISO 50001	2,181	161	--
	Energy Efficiency a part of Purchasing Decision	1,153	4,519	931
	Energy Use Baseline for Comparing Energy Use in Future Years	2,741	2,186	1,676
	Set Goals for Improving Energy Consumption	3,112	2,031	1,461
	Quantitative Goals	Q	1,682	4,757
	Submetering (metering beyond the main utility, revenue or supplier meter)	5,452	714	--
	Conduct Audits to Identify Energy Saving Opportunities	3,151	1,875	1,577
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	3,595	1,371	1,637
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	4,482	409	1,713
	Measure Oxygen and Carbon Dioxide Levels (f)	4,145	504	1,954
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4,619	231	1,753
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	1,842	3,048	1,713
	Cleaning of Heat Transfer Equipment (i)	1,971	2,854	1,778
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	1,898	2,957	1,747
	Keep an Inventory of All Motors	3,115	1,883	1,604
	Detect and Control Compressed Air Leaks (l)	3,355	1,561	1,687
	Track the Amount of Energy Spent in Compressed Air Systems	4,446	608	1,549
336111	**Automobiles**			
	Person(s) Responsible for Energy Management (c)	W	33	W
	Aware of ISO 50001	W	41	--
	Implementing ISO 50001	32	9	--
	Energy Efficiency a part of Purchasing Decision	W	W	W
	Energy Use Baseline for Comparing Energy Use in Future Years	W	40	W
	Set Goals for Improving Energy Consumption	W	35	W
	Quantitative Goals	W	34	W
	Submetering (metering beyond the main utility, revenue or supplier meter)	9	34	--
	Conduct Audits to Identify Energy Saving Opportunities	W	33	W
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	27	13	4
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	38	W	W
	Measure Oxygen and Carbon Dioxide Levels (f)	16	22	6
	Use Flue Gas to Preheat Other Equipment or Processes (g)	23	17	4
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	8	32	4
	Cleaning of Heat Transfer Equipment (i)	7	31	7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W	35	W
	Keep an Inventory of All Motors	W	34	W
	Detect and Control Compressed Air Leaks (l)	W	31	W
	Track the Amount of Energy Spent in Compressed Air Systems	9	31	4
336112	**Light Trucks and Utility Vehicles**			
	Person(s) Responsible for Energy Management (c)	3	34	0
	Aware of ISO 50001	17	19	--
	Implementing ISO 50001	13	W	--
	Energy Efficiency a part of Purchasing Decision	W	34	W
	Energy Use Baseline for Comparing Energy Use in Future Years	W	28	W
	Set Goals for Improving Energy Consumption	5	32	0
	Quantitative Goals	W	27	W
	Submetering (metering beyond the main utility, revenue or supplier meter)	13	24	--
	Conduct Audits to Identify Energy Saving Opportunities	W	28	W
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	17	14	6
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	27	4	6
	Measure Oxygen and Carbon Dioxide Levels (f)	W	26	W
	Use Flue Gas to Preheat Other Equipment or Processes (g)	W	18	W
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	W	26	W
	Cleaning of Heat Transfer Equipment (i)	W	27	W
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W	23	W
	Keep an Inventory of All Motors	10	18	9
	Detect and Control Compressed Air Leaks (l)	11	22	5
	Track the Amount of Energy Spent in Compressed Air Systems	6	22	9
3364	**Aerospace Product and Parts**			
	Person(s) Responsible for Energy Management (c)	448	448	167
	Aware of ISO 50001	515	413	--
	Implementing ISO 50001	392	12	--
	Energy Efficiency a part of Purchasing Decision	182	679	202
	Energy Use Baseline for Comparing Energy Use in Future Years	357	451	255
	Set Goals for Improving Energy Consumption	401	398	265
	Quantitative Goals	47	314	702
	Submetering (metering beyond the main utility, revenue or supplier meter)	763	172	--
	Conduct Audits to Identify Energy Saving Opportunities	460	360	244
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	599	187	277
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	743	78	242
	Measure Oxygen and Carbon Dioxide Levels (f)	643	151	269
	Use Flue Gas to Preheat Other Equipment or Processes (g)	752	37	274
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	335	508	220
	Cleaning of Heat Transfer Equipment (i)	366	403	294
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	304	486	273
	Keep an Inventory of All Motors	550	236	277
	Detect and Control Compressed Air Leaks (l)	558	253	252
	Track the Amount of Energy Spent in Compressed Air Systems	696	97	269
336411	**Aircraft**			
	Person(s) Responsible for Energy Management (c)	83	141	Q
	Aware of ISO 50001	117	134	--
	Implementing ISO 50001	134	0	--
	Energy Efficiency a part of Purchasing Decision	10	212	Q
	Energy Use Baseline for Comparing Energy Use in Future Years	118	98	77
	Set Goals for Improving Energy Consumption	Q	109	116
	Quantitative Goals	0	108	185
	Submetering (metering beyond the main utility, revenue or supplier meter)	161	91	--
	Conduct Audits to Identify Energy Saving Opportunities	Q	147	87
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	157	30	106
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	163	23	108

	Measure Oxygen and Carbon Dioxide Levels (f)	141	Q	87
	Use Flue Gas to Preheat Other Equipment or Processes (g)	221	W	W
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	110	115	Q
	Cleaning of Heat Transfer Equipment (i)	56	93	144
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	83	102	108
	Keep an Inventory of All Motors	151	30	112
	Detect and Control Compressed Air Leaks (l)	147	30	116
	Track the Amount of Energy Spent in Compressed Air Systems	168	10	115
337	**Furniture and Related Products**			
	Person(s) Responsible for Energy Management (c)	5,944	1,009	960
	Aware of ISO 50001	6,092	1,463	--
	Implementing ISO 50001	1,328	Q	--
	Energy Efficiency a part of Purchasing Decision	1,804	5,129	980
	Energy Use Baseline for Comparing Energy Use in Future Years	4,512	1,403	1,997
	Set Goals for Improving Energy Consumption	4,528	1,598	1,787
	Quantitative Goals	494	506	6,913
	Submetering (metering beyond the main utility, revenue or supplier meter)	7,347	222	--
	Conduct Audits to Identify Energy Saving Opportunities	5,802	1,112	998
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	5,681	819	1,414
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5,874	635	1,404
	Measure Oxygen and Carbon Dioxide Levels (f)	5,599	312	2,003
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6,056	Q	1,727
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	2,901	2,978	2,034
	Cleaning of Heat Transfer Equipment (i)	2,626	2,559	2,729
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	2,966	2,117	2,830
	Keep an Inventory of All Motors	3,399	2,264	2,250
	Detect and Control Compressed Air Leaks (l)	3,673	2,522	1,718
	Track the Amount of Energy Spent in Compressed Air Systems	6,289	311	1,313
339	**Miscellaneous**			
	Person(s) Responsible for Energy Management (c)	9,101	1,338	2,562
	Aware of ISO 50001	9,515	2,491	--
	Implementing ISO 50001	2,382	Q	--
	Energy Efficiency a part of Purchasing Decision	4,537	6,168	2,296
	Energy Use Baseline for Comparing Energy Use in Future Years	7,528	2,389	3,084
	Set Goals for Improving Energy Consumption	7,894	2,151	2,956
	Quantitative Goals	762	969	11,269
	Submetering (metering beyond the main utility, revenue or supplier meter)	11,305	807	--
	Conduct Audits to Identify Energy Saving Opportunities	9,456	1,123	2,423
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	8,799	910	3,292
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	9,176	528	3,296
	Measure Oxygen and Carbon Dioxide Levels (f)	8,946	254	3,801
	Use Flue Gas to Preheat Other Equipment or Processes (g)	9,129	Q	3,657
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	5,590	3,905	3,506
	Cleaning of Heat Transfer Equipment (i)	5,816	2,899	4,285
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	5,412	3,722	3,867
	Keep an Inventory of All Motors	6,429	2,929	3,642
	Detect and Control Compressed Air Leaks (l)	8,001	2,015	2,985
	Track the Amount of Energy Spent in Compressed Air Systems	9,863	368	2,770

(a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).
(b) This count includes only those establishments that reported this activity in 2014.
(c) A 'Full-Time Energy Manager' is a person whose major function is to direct or plan energy strategies relating to energy use and energy-efficient technology within the establishment.
(d) The amount of steam used is the amount needed to produce a unit of product.
(e) The insulation inspections are to monitor and maintain the condition of the steam system insulation.
(f) "Tuning" the burners requires the measuring of oxygen and carbon dioxide levels in boilers and other fuel fired heating equipment flue gases.
(g) The use of flue gases from fuel fired heating equipment to preheat combustion air, preheat charge equipment/materials, or provide heat for other processes.
(h) Furnace inspections are nescessary to seal openings and repair cracks and damaged insulation in furnace walls, doors, etc.
(i) The cleaning of heat transfer surfaces avoids build up of soot, scale, or other material.
(j) Process heating equipment includes, but is not limited to, temperature and pressure sensors, controllers, vavle operators, etc.
(k) A plant-wide study conducted to identify the major energy consuming pump systems.
(l) The staff or equipment dedicated to detecting and controlling compressed air system leaks.
* 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.
-- Estimation is not applicable.
Notes: Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey.'

Released: February 2018
Next MECS will be fielded in 2019

RSE Table 8.4 Relative Standard Errors for Table 8.4;

Unit: Percents.

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know
		Total United States		
311 - 339	**All Manufacturing Industries**			
	Person(s) Responsible for Energy Management (c)	1.6	3.9	5.0
	Aware of ISO 50001	1.5	3.7	--
	Implementing ISO 50001	4.0	12.6	--
	Energy Efficiency a part of Purchasing Decision	4.7	1.6	5.4
	Energy Use Baseline for Comparing Energy Use in Future Years	2.2	3.4	3.8
	Set Goals for Improving Energy Consumption	2.1	3.6	4.0
	Quantitative Goals	8.1	4.7	1.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.8	5.3	--
	Conduct Audits to Identify Energy Saving Opportunities	1.6	4.4	4.5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	1.7	4.6	4.2
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	1.4	7.2	4.3
	Measure Oxygen and Carbon Dioxide Levels (f)	1.6	5.1	3.8
	Use Flue Gas to Preheat Other Equipment or Processes (g)	1.3	7.5	4.1
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	3.1	2.4	4.2
	Cleaning of Heat Transfer Equipment (i)	3.1	2.6	3.8
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	3.3	2.5	3.8
	Keep an Inventory of All Motors	2.3	3.1	4.2
	Detect and Control Compressed Air Leaks (l)	2.3	3.3	4.2
	Track the Amount of Energy Spent in Compressed Air Systems	1.4	7.1	4.3
311	**Food**			
	Person(s) Responsible for Energy Management (c)	6.2	8.5	11.7
	Aware of ISO 50001	4.4	10.2	--
	Implementing ISO 50001	11.0	35.5	--
	Energy Efficiency a part of Purchasing Decision	19.2	3.9	13.9
	Energy Use Baseline for Comparing Energy Use in Future Years	8.3	7.6	9.4
	Set Goals for Improving Energy Consumption	7.5	7.8	10.4
	Quantitative Goals	21.2	9.7	3.3
	Submetering (metering beyond the main utility, revenue or supplier meter)	3.1	12.2	--
	Conduct Audits to Identify Energy Saving Opportunities	5.1	10.0	11.3
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.8	10.6	10.7
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.0	20.0	11.2
	Measure Oxygen and Carbon Dioxide Levels (f)	7.2	8.6	9.3
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4.7	12.4	10.3
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	13.9	5.3	10.7
	Cleaning of Heat Transfer Equipment (i)	15.9	5.2	9.9
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	15.9	5.5	9.4
	Keep an Inventory of All Motors	7.7	7.2	11.4
	Detect and Control Compressed Air Leaks (l)	6.5	8.5	11.1
	Track the Amount of Energy Spent in Compressed Air Systems	4.1	17.1	10.9
3112	**Grain and Oilseed Milling**			
	Person(s) Responsible for Energy Management (c)	12.9	10.7	28.3
	Aware of ISO 50001	6.4	12.0	--
	Implementing ISO 50001	12.3	40.5	--
	Energy Efficiency a part of Purchasing Decision	29.9	5.4	29.2
	Energy Use Baseline for Comparing Energy Use in Future Years	17.2	6.5	25.2
	Set Goals for Improving Energy Consumption	23.0	9.3	29.3
	Quantitative Goals	28.9	10.3	13.1
	Submetering (metering beyond the main utility, revenue or supplier meter)	4.4	9.0	--
	Conduct Audits to Identify Energy Saving Opportunities	11.9	13.1	20.4
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	8.3	13.0	23.2
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.8	12.5	22.6
	Measure Oxygen and Carbon Dioxide Levels (f)	12.3	10.4	19.1
	Use Flue Gas to Preheat Other Equipment or Processes (g)	11.1	13.5	20.2
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	31.6	7.4	19.1
	Cleaning of Heat Transfer Equipment (i)	29.1	8.5	23.2
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	36.4	7.1	20.6
	Keep an Inventory of All Motors	24.0	6.8	24.4
	Detect and Control Compressed Air Leaks (l)	12.7	10.8	21.8
	Track the Amount of Energy Spent in Compressed Air Systems	5.3	12.5	22.1
311221	**Wet Corn Milling**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
31131	**Sugar Manufacturing**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
3114	**Fruit and Vegetable Preserving and Specialty Foods**			
	Person(s) Responsible for Energy Management (c)	14.1	12.0	25.4
	Aware of ISO 50001	8.8	13.8	--

	Implementing ISO 50001	14.3	28.4	--
	Energy Efficiency a part of Purchasing Decision	40.8	3.5	27.8
	Energy Use Baseline for Comparing Energy Use in Future Years	19.5	10.1	22.7
	Set Goals for Improving Energy Consumption	15.1	11.0	23.4
	Quantitative Goals	32.1	14.3	8.8
	Submetering (metering beyond the main utility, revenue or supplier meter)	5.6	18.5	--
	Conduct Audits to Identify Energy Saving Opportunities	12.3	13.4	25.3
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	11.4	16.8	22.2
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	8.9	26.3	21.4
	Measure Oxygen and Carbon Dioxide Levels (f)	14.5	12.2	21.4
	Use Flue Gas to Preheat Other Equipment or Processes (g)	9.7	18.0	19.2
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	22.6	8.9	22.2
	Cleaning of Heat Transfer Equipment (i)	24.9	8.8	20.4
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	24.7	9.4	21.0
	Keep an Inventory of All Motors	16.6	10.9	24.8
	Detect and Control Compressed Air Leaks (l)	13.2	12.1	26.3
	Track the Amount of Energy Spent in Compressed Air Systems	8.5	24.9	21.6
3115	**Dairy Products**			
	Person(s) Responsible for Energy Management (c)	12.4	10.8	16.9
	Aware of ISO 50001	7.9	12.5	--
	Implementing ISO 50001	14.2	34.9	--
	Energy Efficiency a part of Purchasing Decision	36.9	5.7	18.2
	Energy Use Baseline for Comparing Energy Use in Future Years	17.5	9.5	15.2
	Set Goals for Improving Energy Consumption	15.4	9.3	17.6
	Quantitative Goals	22.4	11.3	6.8
	Submetering (metering beyond the main utility, revenue or supplier meter)	5.9	13.4	--
	Conduct Audits to Identify Energy Saving Opportunities	10.2	12.3	17.1
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.9	16.8	17.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.5	25.6	17.3
	Measure Oxygen and Carbon Dioxide Levels (f)	16.2	9.2	16.6
	Use Flue Gas to Preheat Other Equipment or Processes (g)	7.8	12.8	19.1
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	24.4	5.6	20.1
	Cleaning of Heat Transfer Equipment (i)	32.0	5.2	20.3
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	36.0	5.9	21.1
	Keep an Inventory of All Motors	14.8	7.6	21.9
	Detect and Control Compressed Air Leaks (l)	11.4	10.4	20.0
	Track the Amount of Energy Spent in Compressed Air Systems	5.6	22.6	19.5
3116	**Animal Slaughtering and Processing**			
	Person(s) Responsible for Energy Management (c)	11.8	9.2	21.1
	Aware of ISO 50001	6.8	12.6	--
	Implementing ISO 50001	13.9	32.8	--
	Energy Efficiency a part of Purchasing Decision	49.8	5.7	22.5
	Energy Use Baseline for Comparing Energy Use in Future Years	15.1	8.6	17.9
	Set Goals for Improving Energy Consumption	14.7	8.6	18.9
	Quantitative Goals	21.5	10.3	6.7
	Submetering (metering beyond the main utility, revenue or supplier meter)	4.7	10.2	--
	Conduct Audits to Identify Energy Saving Opportunities	8.7	11.3	17.3
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	8.7	14.1	18.4
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	6.1	19.9	18.0
	Measure Oxygen and Carbon Dioxide Levels (f)	11.9	9.5	18.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.5	15.2	18.7
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	25.6	6.6	19.5
	Cleaning of Heat Transfer Equipment (i)	31.5	6.2	16.6
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	37.1	6.3	17.1
	Keep an Inventory of All Motors	15.5	8.3	18.9
	Detect and Control Compressed Air Leaks (l)	11.1	10.0	18.5
	Track the Amount of Energy Spent in Compressed Air Systems	6.0	15.7	15.8
312	**Beverage and Tobacco Products**			
	Person(s) Responsible for Energy Management (c)	7.2	13.0	20.7
	Aware of ISO 50001	7.0	13.2	--
	Implementing ISO 50001	13.7	61.8	--
	Energy Efficiency a part of Purchasing Decision	28.5	6.0	20.2
	Energy Use Baseline for Comparing Energy Use in Future Years	11.6	10.7	17.7
	Set Goals for Improving Energy Consumption	10.1	11.5	18.7
	Quantitative Goals	35.1	13.7	5.6
	Submetering (metering beyond the main utility, revenue or supplier meter)	4.2	19.3	--
	Conduct Audits to Identify Energy Saving Opportunities	6.4	14.6	18.6
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	6.9	17.9	17.3
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.6	25.6	17.1
	Measure Oxygen and Carbon Dioxide Levels (f)	8.3	13.6	14.8
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.9	21.8	15.8
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	13.4	10.5	15.2
	Cleaning of Heat Transfer Equipment (i)	15.9	10.4	13.6
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	17.0	10.2	13.1
	Keep an Inventory of All Motors	12.0	11.0	16.4
	Detect and Control Compressed Air Leaks (l)	10.2	12.9	15.3
	Track the Amount of Energy Spent in Compressed Air Systems	6.6	21.8	16.0
3121	**Beverages**			
	Person(s) Responsible for Energy Management (c)	7.4	13.4	21.3
	Aware of ISO 50001	7.2	13.9	--
	Implementing ISO 50001	14.5	67.6	--
	Energy Efficiency a part of Purchasing Decision	30.1	6.1	20.5
	Energy Use Baseline for Comparing Energy Use in Future Years	12.0	11.1	18.0
	Set Goals for Improving Energy Consumption	10.4	11.8	19.2
	Quantitative Goals	35.9	14.2	5.8
	Submetering (metering beyond the main utility, revenue or supplier meter)	4.3	20.4	--
	Conduct Audits to Identify Energy Saving Opportunities	6.6	15.4	19.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.2	18.3	17.8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.8	26.5	17.6
	Measure Oxygen and Carbon Dioxide Levels (f)	8.4	14.5	15.2
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.1	24.3	16.2
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	13.7	11.1	15.4
	Cleaning of Heat Transfer Equipment (i)	16.4	10.8	13.8
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	17.4	10.8	13.3
	Keep an Inventory of All Motors	12.3	11.5	16.9
	Detect and Control Compressed Air Leaks (l)	10.4	13.5	15.6
	Track the Amount of Energy Spent in Compressed Air Systems	6.8	23.4	16.4
3122	**Tobacco**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
313	**Textile Mills**			

	Person(s) Responsible for Energy Management (c)	11.8	14.7	25.7
	Aware of ISO 50001	9.6	16.6	--
	Implementing ISO 50001	20.9	39.6	--
	Energy Efficiency a part of Purchasing Decision	42.0	5.8	44.5
	Energy Use Baseline for Comparing Energy Use in Future Years	15.6	12.6	28.8
	Set Goals for Improving Energy Consumption	13.3	15.2	29.6
	Quantitative Goals	38.0	20.0	9.4
	Submetering (metering beyond the main utility, revenue or supplier meter)	4.0	24.7	--
	Conduct Audits to Identify Energy Saving Opportunities	8.2	22.1	29.2
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	8.7	19.5	32.1
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.8	35.9	31.2
	Measure Oxygen and Carbon Dioxide Levels (f)	12.6	18.4	23.6
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.7	28.8	25.6
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	22.1	8.8	30.8
	Cleaning of Heat Transfer Equipment (i)	26.9	9.5	26.7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	30.7	8.4	26.1
	Keep an Inventory of All Motors	13.4	13.2	39.0
	Detect and Control Compressed Air Leaks (l)	13.7	13.7	34.9
	Track the Amount of Energy Spent in Compressed Air Systems	6.9	32.7	30.3
314	**Textile Product Mills**			
	Person(s) Responsible for Energy Management (c)	10.1	46.5	60.8
	Aware of ISO 50001	9.5	56.0	--
	Implementing ISO 50001	61.5	85.9	--
	Energy Efficiency a part of Purchasing Decision	23.7	19.6	79.5
	Energy Use Baseline for Comparing Energy Use in Future Years	11.4	49.1	42.5
	Set Goals for Improving Energy Consumption	16.9	31.0	49.9
	Quantitative Goals	39.8	40.3	10.7
	Submetering (metering beyond the main utility, revenue or supplier meter)	5.2	37.4	--
	Conduct Audits to Identify Energy Saving Opportunities	9.8	71.3	47.4
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	21.3	35.4	32.7
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	11.4	54.2	37.3
	Measure Oxygen and Carbon Dioxide Levels (f)	8.0	33.9	47.1
	Use Flue Gas to Preheat Other Equipment or Processes (g)	9.7	45.6	41.5
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	14.9	32.8	56.2
	Cleaning of Heat Transfer Equipment (i)	15.1	33.6	50.5
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	14.0	36.4	50.9
	Keep an Inventory of All Motors	13.4	41.7	47.7
	Detect and Control Compressed Air Leaks (l)	17.6	36.8	37.0
	Track the Amount of Energy Spent in Compressed Air Systems	12.1	59.4	34.6
315	**Apparel**			
	Person(s) Responsible for Energy Management (c)	26.2	49.5	37.2
	Aware of ISO 50001	12.4	59.7	--
	Implementing ISO 50001	59.7	X	--
	Energy Efficiency a part of Purchasing Decision	46.6	38.9	25.9
	Energy Use Baseline for Comparing Energy Use in Future Years	31.1	59.4	30.1
	Set Goals for Improving Energy Consumption	34.2	48.7	30.0
	Quantitative Goals	95.3	64.0	12.3
	Submetering (metering beyond the main utility, revenue or supplier meter)	3.3	65.7	--
	Conduct Audits to Identify Energy Saving Opportunities	27.1	63.2	35.1
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	26.5	47.0	28.5
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	25.5	64.6	28.4
	Measure Oxygen and Carbon Dioxide Levels (f)	18.1	73.9	56.3
	Use Flue Gas to Preheat Other Equipment or Processes (g)	17.6	92.7	55.1
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	25.6	36.7	34.6
	Cleaning of Heat Transfer Equipment (i)	30.8	36.2	26.7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	32.1	35.7	26.0
	Keep an Inventory of All Motors	21.6	41.8	36.4
	Detect and Control Compressed Air Leaks (l)	32.2	37.4	31.5
	Track the Amount of Energy Spent in Compressed Air Systems	19.2	82.9	40.6
316	**Leather and Allied Product**			
	Person(s) Responsible for Energy Management (c)	8.5	19.8	44.4
	Aware of ISO 50001	8.7	29.4	--
	Implementing ISO 50001	29.9	48.6	--
	Energy Efficiency a part of Purchasing Decision	23.4	10.0	59.1
	Energy Use Baseline for Comparing Energy Use in Future Years	8.3	18.9	40.3
	Set Goals for Improving Energy Consumption	10.6	27.0	51.0
	Quantitative Goals	45.7	21.7	7.2
	Submetering (metering beyond the main utility, revenue or supplier meter)	1.5	15.7	--
	Conduct Audits to Identify Energy Saving Opportunities	5.0	19.2	25.1
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	10.2	24.8	26.2
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.6	37.8	27.8
	Measure Oxygen and Carbon Dioxide Levels (f)	4.3	32.5	22.8
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3.8	46.8	22.8
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	19.9	15.9	22.0
	Cleaning of Heat Transfer Equipment (i)	19.3	17.1	20.9
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	17.8	18.2	22.7
	Keep an Inventory of All Motors	15.2	20.8	41.6
	Detect and Control Compressed Air Leaks (l)	8.8	19.4	27.4
	Track the Amount of Energy Spent in Compressed Air Systems	1.4	45.2	21.9
321	**Wood Products**			
	Person(s) Responsible for Energy Management (c)	4.7	14.8	12.5
	Aware of ISO 50001	3.7	13.2	--
	Implementing ISO 50001	14.0	22.4	--
	Energy Efficiency a part of Purchasing Decision	15.1	5.3	13.4
	Energy Use Baseline for Comparing Energy Use in Future Years	6.5	11.1	9.3
	Set Goals for Improving Energy Consumption	6.9	11.3	9.8
	Quantitative Goals	19.5	15.9	2.1
	Submetering (metering beyond the main utility, revenue or supplier meter)	2.8	18.1	--
	Conduct Audits to Identify Energy Saving Opportunities	5.1	13.4	10.7
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.5	14.2	10.9
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.1	20.9	10.3
	Measure Oxygen and Carbon Dioxide Levels (f)	5.1	11.9	9.9
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4.5	17.0	10.6
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	9.4	7.3	11.7
	Cleaning of Heat Transfer Equipment (i)	10.2	7.8	9.9
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	9.6	8.0	10.1
	Keep an Inventory of All Motors	8.8	8.0	10.5
	Detect and Control Compressed Air Leaks (l)	7.9	9.2	10.5
	Track the Amount of Energy Spent in Compressed Air Systems	4.4	27.9	10.5
321113	**Sawmills**			
	Person(s) Responsible for Energy Management (c)	4.4	11.3	15.7
	Aware of ISO 50001	4.1	13.8	--
	Implementing ISO 50001	15.3	25.5	--
	Energy Efficiency a part of Purchasing Decision	20.5	5.0	15.9
	Energy Use Baseline for Comparing Energy Use in Future Years	6.6	8.5	10.7
	Set Goals for Improving Energy Consumption	7.1	9.0	11.4
	Quantitative Goals	14.7	13.6	2.6
	Submetering (metering beyond the main utility, revenue or supplier meter)	2.9	12.6	--
	Conduct Audits to Identify Energy Saving Opportunities	5.2	9.3	12.9
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.9	12.0	11.3
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.4	14.1	10.9
	Measure Oxygen and Carbon Dioxide Levels (f)	5.9	9.7	11.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4.1	6.1	10.3
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	9.2	7.6	11.2
	Cleaning of Heat Transfer Equipment (i)	10.1	7.5	11.5
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	10.5	7.4	11.0
	Keep an Inventory of All Motors	11.4	6.8	11.1
	Detect and Control Compressed Air Leaks (l)	8.7	9.1	9.7

	Track the Amount of Energy Spent in Compressed Air Systems	4.4	17.1	10.9
3212	**Veneer, Plywood, and Engineered Woods**			
	Person(s) Responsible for Energy Management (c)	9.1	25.2	23.4
	Aware of ISO 50001	6.2	16.7	--
	Implementing ISO 50001	17.1	48.3	--
	Energy Efficiency a part of Purchasing Decision	42.2	8.8	24.1
	Energy Use Baseline for Comparing Energy Use in Future Years	14.6	12.7	21.5
	Set Goals for Improving Energy Consumption	13.7	15.5	23.8
	Quantitative Goals	25.4	26.0	7.7
	Submetering (metering beyond the main utility, revenue or supplier meter)	6.7	19.8	--
	Conduct Audits to Identify Energy Saving Opportunities	9.6	17.1	20.8
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	9.6	24.3	20.3
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	8.6	43.8	19.7
	Measure Oxygen and Carbon Dioxide Levels (f)	7.3	13.6	23.9
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.2	17.8	24.7
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	17.0	12.4	25.0
	Cleaning of Heat Transfer Equipment (i)	18.7	12.2	22.9
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	16.7	12.8	23.6
	Keep an Inventory of All Motors	19.4	12.8	19.5
	Detect and Control Compressed Air Leaks (l)	14.0	16.1	20.3
	Track the Amount of Energy Spent in Compressed Air Systems	7.8	29.9	24.2
321219	**Reconstituted Wood Products**			
	Person(s) Responsible for Energy Management (c)	7.1	19.6	25.3
	Aware of ISO 50001	5.2	18.9	--
	Implementing ISO 50001	19.2	15.5	--
	Energy Efficiency a part of Purchasing Decision	35.8	1.7	16.8
	Energy Use Baseline for Comparing Energy Use in Future Years	25.1	3.3	17.4
	Set Goals for Improving Energy Consumption	26.1	17.0	23.1
	Quantitative Goals	24.1	16.1	15.5
	Submetering (metering beyond the main utility, revenue or supplier meter)	10.8	18.5	--
	Conduct Audits to Identify Energy Saving Opportunities	15.7	19.0	22.9
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	11.6	21.6	26.8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	2.7	15.5	28.9
	Measure Oxygen and Carbon Dioxide Levels (f)	26.5	16.9	22.2
	Use Flue Gas to Preheat Other Equipment or Processes (g)	11.9	17.7	21.3
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	32.0	16.2	15.5
	Cleaning of Heat Transfer Equipment (i)	29.7	16.2	16.6
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	48.1	16.5	15.5
	Keep an Inventory of All Motors	29.1	16.3	48.6
	Detect and Control Compressed Air Leaks (l)	18.5	23.7	22.2
	Track the Amount of Energy Spent in Compressed Air Systems	7.3	22.9	24.6
3219	**Other Wood Products**			
	Person(s) Responsible for Energy Management (c)	6.8	21.7	17.2
	Aware of ISO 50001	5.3	19.9	--
	Implementing ISO 50001	20.3	45.1	--
	Energy Efficiency a part of Purchasing Decision	18.5	8.0	19.5
	Energy Use Baseline for Comparing Energy Use in Future Years	9.0	22.8	12.3
	Set Goals for Improving Energy Consumption	9.7	19.3	13.0
	Quantitative Goals	37.5	30.4	2.8
	Submetering (metering beyond the main utility, revenue or supplier meter)	3.9	37.1	--
	Conduct Audits to Identify Energy Saving Opportunities	7.3	24.7	14.3
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.9	21.9	15.4
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.6	28.6	14.2
	Measure Oxygen and Carbon Dioxide Levels (f)	7.2	26.7	13.5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.7	30.7	14.3
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	13.9	10.7	16.0
	Cleaning of Heat Transfer Equipment (i)	14.9	12.1	12.9
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	13.5	12.3	13.9
	Keep an Inventory of All Motors	11.5	13.7	14.2
	Detect and Control Compressed Air Leaks (l)	11.6	13.3	15.0
	Track the Amount of Energy Spent in Compressed Air Systems	6.4	46.8	14.3
322	**Paper**			
	Person(s) Responsible for Energy Management (c)	10.1	15.6	44.7
	Aware of ISO 50001	8.3	17.9	--
	Implementing ISO 50001	18.5	50.5	--
	Energy Efficiency a part of Purchasing Decision	32.0	7.3	36.5
	Energy Use Baseline for Comparing Energy Use in Future Years	16.1	13.4	27.3
	Set Goals for Improving Energy Consumption	13.1	14.1	33.3
	Quantitative Goals	37.6	17.7	7.6
	Submetering (metering beyond the main utility, revenue or supplier meter)	5.8	19.3	--
	Conduct Audits to Identify Energy Saving Opportunities	9.6	18.5	29.4
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	8.4	18.9	32.9
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	9.1	24.8	33.6
	Measure Oxygen and Carbon Dioxide Levels (f)	7.2	13.0	29.4
	Use Flue Gas to Preheat Other Equipment or Processes (g)	7.5	12.7	26.9
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	17.3	12.3	31.3
	Cleaning of Heat Transfer Equipment (i)	20.0	12.4	26.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	23.8	11.0	27.9
	Keep an Inventory of All Motors	19.7	12.2	27.5
	Detect and Control Compressed Air Leaks (l)	16.5	13.2	28.2
	Track the Amount of Energy Spent in Compressed Air Systems	8.6	25.3	30.1
322110	**Pulp Mills**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	X
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	X	--
	Energy Efficiency a part of Purchasing Decision	X	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	X
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	X	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	X	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	X	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	X	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	X
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	X
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
322121	**Paper Mills, except Newsprint**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	X	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0

	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
322122	**Newsprint Mills**			
	Person(s) Responsible for Energy Management (c)	X	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	X	--
	Energy Efficiency a part of Purchasing Decision	X	0.0	X
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	X
	Set Goals for Improving Energy Consumption	0.0	0.0	X
	Quantitative Goals	X	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	X	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	X	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	X	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	X	0.0	0.0
	Keep an Inventory of All Motors	X	0.0	X
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
322130	**Paperboard Mills**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
323	**Printing and Related Support**			
	Person(s) Responsible for Energy Management (c)	5.4	17.9	15.2
	Aware of ISO 50001	4.7	15.6	--
	Implementing ISO 50001	16.0	66.1	--
	Energy Efficiency a part of Purchasing Decision	15.7	5.9	16.2
	Energy Use Baseline for Comparing Energy Use in Future Years	6.7	15.9	12.5
	Set Goals for Improving Energy Consumption	7.6	14.8	11.7
	Quantitative Goals	26.4	21.4	3.6
	Submetering (metering beyond the main utility, revenue or supplier meter)	2.6	36.1	--
	Conduct Audits to Identify Energy Saving Opportunities	6.0	16.2	14.6
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	6.5	16.1	13.1
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.4	24.7	13.0
	Measure Oxygen and Carbon Dioxide Levels (f)	4.4	37.5	14.3
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4.1	42.2	14.8
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	10.7	8.7	13.5
	Cleaning of Heat Transfer Equipment (i)	9.3	10.5	12.7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	9.6	10.1	12.8
	Keep an Inventory of All Motors	6.6	16.1	12.9
	Detect and Control Compressed Air Leaks (l)	6.8	13.4	14.3
	Track the Amount of Energy Spent in Compressed Air Systems	4.4	34.3	14.5
324	**Petroleum and Coal Products**			
	Person(s) Responsible for Energy Management (c)	5.3	5.7	10.0
	Aware of ISO 50001	3.3	5.5	--
	Implementing ISO 50001	6.6	10.9	--
	Energy Efficiency a part of Purchasing Decision	16.4	2.8	14.6
	Energy Use Baseline for Comparing Energy Use in Future Years	8.4	5.2	7.5
	Set Goals for Improving Energy Consumption	6.8	4.9	9.5
	Quantitative Goals	8.5	6.0	3.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	2.6	8.7	--
	Conduct Audits to Identify Energy Saving Opportunities	4.3	7.3	7.4
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.4	5.9	8.2
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	3.3	8.4	7.8
	Measure Oxygen and Carbon Dioxide Levels (f)	9.1	5.2	7.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.0	7.9	7.2
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	15.8	3.6	7.6
	Cleaning of Heat Transfer Equipment (i)	13.7	3.6	7.6
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	16.3	3.4	8.6
	Keep an Inventory of All Motors	8.1	3.5	8.9
	Detect and Control Compressed Air Leaks (l)	4.4	6.0	8.0
	Track the Amount of Energy Spent in Compressed Air Systems	2.9	11.6	7.1
324110	**Petroleum Refineries**			
	Person(s) Responsible for Energy Management (c)	36.7	26.6	26.6
	Aware of ISO 50001	27.7	16.4	--
	Implementing ISO 50001	20.1	26.6	--
	Energy Efficiency a part of Purchasing Decision	26.6	26.6	48.4
	Energy Use Baseline for Comparing Energy Use in Future Years	60.9	26.6	53.1
	Set Goals for Improving Energy Consumption	26.6	26.6	48.4
	Quantitative Goals	26.6	26.6	26.2
	Submetering (metering beyond the main utility, revenue or supplier meter)	29.6	26.6	--
	Conduct Audits to Identify Energy Saving Opportunities	29.6	26.6	26.6
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	15.8	26.6	26.6
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	6.8	26.6	26.6
	Measure Oxygen and Carbon Dioxide Levels (f)	61.9	26.3	26.6
	Use Flue Gas to Preheat Other Equipment or Processes (g)	42.8	26.6	26.6
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	26.6	2.1	26.6
	Cleaning of Heat Transfer Equipment (i)	26.6	1.4	26.6
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	26.6	1.2	26.6
	Keep an Inventory of All Motors	26.6	2.1	26.6
	Detect and Control Compressed Air Leaks (l)	9.0	26.6	26.6
	Track the Amount of Energy Spent in Compressed Air Systems	7.0	26.6	26.6
324121	**Asphalt Paving Mixture and Block**			
	Person(s) Responsible for Energy Management (c)	6.0	5.7	9.6
	Aware of ISO 50001	3.4	6.5	--
	Implementing ISO 50001	7.6	12.8	--
	Energy Efficiency a part of Purchasing Decision	18.3	1.9	12.3
	Energy Use Baseline for Comparing Energy Use in Future Years	9.0	5.3	7.3
	Set Goals for Improving Energy Consumption	9.3	5.1	8.3
	Quantitative Goals	10.5	6.5	3.3
	Submetering (metering beyond the main utility, revenue or supplier meter)	1.9	9.1	--
	Conduct Audits to Identify Energy Saving Opportunities	4.3	7.5	7.1
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.1	6.9	8.1
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.1	9.6	7.7
	Measure Oxygen and Carbon Dioxide Levels (f)	8.4	5.3	7.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.2	7.7	7.1

	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	18.4	4.5	7.6
	Cleaning of Heat Transfer Equipment (i)	15.7	4.7	7.5
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	14.8	4.3	9.0
	Keep an Inventory of All Motors	8.3	4.0	8.8
	Detect and Control Compressed Air Leaks (l)	5.2	6.9	8.1
	Track the Amount of Energy Spent in Compressed Air Systems	3.6	22.9	7.0
324122	**Asphalt Shingle and Coating Materials**			
	Person(s) Responsible for Energy Management (c)	8.4	7.2	19.4
	Aware of ISO 50001	4.7	9.0	--
	Implementing ISO 50001	9.5	4.0	--
	Energy Efficiency a part of Purchasing Decision	4.0	2.6	16.5
	Energy Use Baseline for Comparing Energy Use in Future Years	17.5	6.2	13.3
	Set Goals for Improving Energy Consumption	11.2	7.1	15.5
	Quantitative Goals	4.0	7.6	4.5
	Submetering (metering beyond the main utility, revenue or supplier meter)	2.4	5.1	--
	Conduct Audits to Identify Energy Saving Opportunities	8.2	9.3	15.9
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.5	10.4	17.4
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.0	8.7	16.8
	Measure Oxygen and Carbon Dioxide Levels (f)	10.0	6.6	15.9
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.3	5.2	16.9
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	18.4	4.3	15.8
	Cleaning of Heat Transfer Equipment (i)	17.0	4.4	14.8
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	4.0	4.3	15.5
	Keep an Inventory of All Motors	17.6	5.6	18.2
	Detect and Control Compressed Air Leaks (l)	8.7	8.2	19.1
	Track the Amount of Energy Spent in Compressed Air Systems	4.2	9.5	15.5
324199	**Other Petroleum and Coal Products**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	X	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
325	**Chemicals**			
	Person(s) Responsible for Energy Management (c)	5.4	8.2	13.9
	Aware of ISO 50001	4.9	9.3	--
	Implementing ISO 50001	10.1	23.0	--
	Energy Efficiency a part of Purchasing Decision	19.1	4.2	14.9
	Energy Use Baseline for Comparing Energy Use in Future Years	9.5	7.0	12.5
	Set Goals for Improving Energy Consumption	8.2	8.2	11.5
	Quantitative Goals	25.6	9.8	3.9
	Submetering (metering beyond the main utility, revenue or supplier meter)	3.3	8.6	--
	Conduct Audits to Identify Energy Saving Opportunities	6.2	10.5	11.9
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.7	12.3	12.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.3	22.0	12.3
	Measure Oxygen and Carbon Dioxide Levels (f)	6.6	9.2	11.6
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.1	11.6	11.7
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	12.3	6.0	13.2
	Cleaning of Heat Transfer Equipment (i)	12.4	6.4	11.6
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	14.7	5.9	11.7
	Keep an Inventory of All Motors	10.3	6.5	13.3
	Detect and Control Compressed Air Leaks (l)	7.4	8.9	13.1
	Track the Amount of Energy Spent in Compressed Air Systems	4.6	13.4	12.0
325110	**Petrochemicals**			
	Person(s) Responsible for Energy Management (c)	27.8	20.3	20.3
	Aware of ISO 50001	17.5	20.3	--
	Implementing ISO 50001	20.3	20.3	--
	Energy Efficiency a part of Purchasing Decision	X	0.5	20.3
	Energy Use Baseline for Comparing Energy Use in Future Years	20.3	20.3	57.6
	Set Goals for Improving Energy Consumption	20.3	20.3	57.6
	Quantitative Goals	20.3	20.3	27.8
	Submetering (metering beyond the main utility, revenue or supplier meter)	37.2	20.3	--
	Conduct Audits to Identify Energy Saving Opportunities	19.1	20.3	20.3
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	27.8	20.3	20.3
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	10.8	20.3	20.3
	Measure Oxygen and Carbon Dioxide Levels (f)	41.2	20.3	20.3
	Use Flue Gas to Preheat Other Equipment or Processes (g)	33.6	20.3	20.3
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	20.3	1.5	X
	Cleaning of Heat Transfer Equipment (i)	45.8	20.3	X
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	20.3	1.5	X
	Keep an Inventory of All Motors	20.3	2.1	20.3
	Detect and Control Compressed Air Leaks (l)	20.3	25.2	20.3
	Track the Amount of Energy Spent in Compressed Air Systems	9.7	20.3	20.3
325120	**Industrial Gases**			
	Person(s) Responsible for Energy Management (c)	32.0	15.3	18.8
	Aware of ISO 50001	10.9	19.4	--
	Implementing ISO 50001	20.6	45.6	--
	Energy Efficiency a part of Purchasing Decision	44.7	7.4	18.7
	Energy Use Baseline for Comparing Energy Use in Future Years	42.2	9.1	21.7
	Set Goals for Improving Energy Consumption	31.2	17.9	16.1
	Quantitative Goals	13.7	18.4	7.9
	Submetering (metering beyond the main utility, revenue or supplier meter)	10.7	19.4	--
	Conduct Audits to Identify Energy Saving Opportunities	22.2	21.3	14.1
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	19.1	17.9	17.8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	11.6	17.3	16.8
	Measure Oxygen and Carbon Dioxide Levels (f)	14.0	37.7	18.1
	Use Flue Gas to Preheat Other Equipment or Processes (g)	12.0	14.2	18.1
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	31.3	17.3	17.9
	Cleaning of Heat Transfer Equipment (i)	30.1	13.9	18.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	46.3	11.6	18.1
	Keep an Inventory of All Motors	41.6	8.2	19.6
	Detect and Control Compressed Air Leaks (l)	32.5	13.3	18.4
	Track the Amount of Energy Spent in Compressed Air Systems	23.3	19.4	15.0
325180	**Other Basic Inorganic Chemicals**			
	Person(s) Responsible for Energy Management (c)	14.9	17.7	32.0
	Aware of ISO 50001	10.4	18.2	--
	Implementing ISO 50001	18.2	84.8	--
	Energy Efficiency a part of Purchasing Decision	31.5	8.9	29.9
	Energy Use Baseline for Comparing Energy Use in Future Years	27.9	12.5	28.0
	Set Goals for Improving Energy Consumption	19.4	15.1	34.2
	Quantitative Goals	42.7	21.7	9.8
	Submetering (metering beyond the main utility, revenue or supplier meter)	9.8	19.0	--
	Conduct Audits to Identify Energy Saving Opportunities	10.2	20.6	28.4
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	14.4	19.3	25.4

	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	8.8	24.9	27.9
	Measure Oxygen and Carbon Dioxide Levels (f)	18.7	19.3	27.9
	Use Flue Gas to Preheat Other Equipment or Processes (g)	13.5	19.0	27.4
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	36.2	11.9	31.3
	Cleaning of Heat Transfer Equipment (i)	40.0	13.5	27.7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	52.2	13.5	23.9
	Keep an Inventory of All Motors	26.5	13.3	30.1
	Detect and Control Compressed Air Leaks (l)	16.2	19.1	31.6
	Track the Amount of Energy Spent in Compressed Air Systems	10.7	19.0	27.1
325193	**Ethyl Alcohol**			
	Person(s) Responsible for Energy Management (c)	11.8	9.3	24.3
	Aware of ISO 50001	9.0	11.1	--
	Implementing ISO 50001	12.9	7.0	--
	Energy Efficiency a part of Purchasing Decision	X	1.3	15.4
	Energy Use Baseline for Comparing Energy Use in Future Years	19.9	5.0	23.6
	Set Goals for Improving Energy Consumption	11.8	5.3	35.7
	Quantitative Goals	14.1	9.0	11.2
	Submetering (metering beyond the main utility, revenue or supplier meter)	10.6	4.9	--
	Conduct Audits to Identify Energy Saving Opportunities	11.8	9.1	20.7
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	8.7	11.6	14.9
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	3.1	18.4	12.8
	Measure Oxygen and Carbon Dioxide Levels (f)	47.7	6.3	15.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	13.3	4.9	24.2
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	28.7	4.0	25.2
	Cleaning of Heat Transfer Equipment (i)	45.6	1.9	14.5
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	28.7	2.0	15.0
	Keep an Inventory of All Motors	14.5	1.7	20.1
	Detect and Control Compressed Air Leaks (l)	11.4	8.3	14.2
	Track the Amount of Energy Spent in Compressed Air Systems	3.8	10.9	11.9
325194	**Cyclic Crudes, Intermediate and Gum and Wood Chemicals**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
325199	**Other Basic Organic Chemicals**			
	Person(s) Responsible for Energy Management (c)	14.6	14.4	38.9
	Aware of ISO 50001	10.4	14.8	--
	Implementing ISO 50001	15.3	20.4	--
	Energy Efficiency a part of Purchasing Decision	42.9	10.2	49.6
	Energy Use Baseline for Comparing Energy Use in Future Years	23.7	8.2	33.2
	Set Goals for Improving Energy Consumption	21.4	13.0	36.6
	Quantitative Goals	22.3	14.9	14.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	12.9	14.5	--
	Conduct Audits to Identify Energy Saving Opportunities	10.8	14.9	32.2
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	9.3	16.7	31.3
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	6.7	20.6	32.1
	Measure Oxygen and Carbon Dioxide Levels (f)	21.5	12.2	34.6
	Use Flue Gas to Preheat Other Equipment or Processes (g)	13.9	20.4	30.5
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	27.7	10.4	41.6
	Cleaning of Heat Transfer Equipment (i)	33.1	10.0	37.7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	37.8	9.6	42.1
	Keep an Inventory of All Motors	20.4	10.8	37.8
	Detect and Control Compressed Air Leaks (l)	13.0	19.1	34.0
	Track the Amount of Energy Spent in Compressed Air Systems	7.9	18.3	35.4
325211	**Plastics Materials and Resins**			
	Person(s) Responsible for Energy Management (c)	10.7	11.5	28.9
	Aware of ISO 50001	9.9	13.8	--
	Implementing ISO 50001	15.1	64.2	--
	Energy Efficiency a part of Purchasing Decision	29.4	6.2	26.9
	Energy Use Baseline for Comparing Energy Use in Future Years	14.3	10.9	28.7
	Set Goals for Improving Energy Consumption	10.7	12.6	27.0
	Quantitative Goals	24.2	15.8	7.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	7.3	15.9	--
	Conduct Audits to Identify Energy Saving Opportunities	9.7	15.1	21.4
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.7	15.7	27.6
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.3	19.8	27.3
	Measure Oxygen and Carbon Dioxide Levels (f)	8.3	15.9	19.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.0	20.6	22.5
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	16.1	8.0	24.4
	Cleaning of Heat Transfer Equipment (i)	15.8	9.6	27.6
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	18.9	8.4	28.3
	Keep an Inventory of All Motors	13.2	10.4	36.7
	Detect and Control Compressed Air Leaks (l)	12.2	11.1	27.5
	Track the Amount of Energy Spent in Compressed Air Systems	4.8	27.4	23.0
325212	**Synthetic Rubber**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
325220	**Artificial and Synthetic Fibers and Filaments**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0

	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
325311	**Nitrogenous Fertilizers**			
	Person(s) Responsible for Energy Management (c)	47.8	27.7	72.8
	Aware of ISO 50001	41.8	56.2	--
	Implementing ISO 50001	56.2	X	--
	Energy Efficiency a part of Purchasing Decision	25.2	35.8	79.4
	Energy Use Baseline for Comparing Energy Use in Future Years	25.2	42.8	71.6
	Set Goals for Improving Energy Consumption	28.2	44.9	77.3
	Quantitative Goals	25.2	25.2	6.4
	Submetering (metering beyond the main utility, revenue or supplier meter)	6.7	25.7	--
	Conduct Audits to Identify Energy Saving Opportunities	6.7	25.2	29.5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.2	25.2	25.2
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	41.5	25.2	61.8
	Measure Oxygen and Carbon Dioxide Levels (f)	46.9	51.1	25.2
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.8	25.2	25.2
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	66.1	40.3	25.2
	Cleaning of Heat Transfer Equipment (i)	64.5	40.3	25.2
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	28.7	3.6	25.2
	Keep an Inventory of All Motors	61.8	41.4	25.2
	Detect and Control Compressed Air Leaks (l)	44.8	58.4	25.2
	Track the Amount of Energy Spent in Compressed Air Systems	3.1	25.2	25.2
325312	**Phosphatic Fertilizers**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	X	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	X	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	X	0.0
3254	**Pharmaceuticals and Medicines**			
	Person(s) Responsible for Energy Management (c)	13.2	14.0	21.2
	Aware of ISO 50001	8.0	15.2	--
	Implementing ISO 50001	16.8	29.2	--
	Energy Efficiency a part of Purchasing Decision	37.0	10.0	23.0
	Energy Use Baseline for Comparing Energy Use in Future Years	14.3	14.0	18.9
	Set Goals for Improving Energy Consumption	13.7	14.6	19.6
	Quantitative Goals	21.8	17.0	6.5
	Submetering (metering beyond the main utility, revenue or supplier meter)	6.1	18.3	--
	Conduct Audits to Identify Energy Saving Opportunities	12.2	17.4	21.1
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	9.3	21.5	20.1
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.7	25.1	21.6
	Measure Oxygen and Carbon Dioxide Levels (f)	12.9	14.7	20.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	8.3	20.5	20.3
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	25.9	10.2	25.2
	Cleaning of Heat Transfer Equipment (i)	28.3	9.2	23.9
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	32.2	10.5	19.5
	Keep an Inventory of All Motors	12.7	13.2	26.0
	Detect and Control Compressed Air Leaks (l)	11.4	15.5	25.8
	Track the Amount of Energy Spent in Compressed Air Systems	9.1	25.3	23.3
325412	**Pharmaceutical Preparation**			
	Person(s) Responsible for Energy Management (c)	17.6	15.1	24.3
	Aware of ISO 50001	8.9	17.2	--
	Implementing ISO 50001	18.3	29.8	--
	Energy Efficiency a part of Purchasing Decision	59.4	12.9	29.4
	Energy Use Baseline for Comparing Energy Use in Future Years	22.5	15.3	21.8
	Set Goals for Improving Energy Consumption	18.6	15.4	23.2
	Quantitative Goals	26.2	16.3	5.9
	Submetering (metering beyond the main utility, revenue or supplier meter)	4.8	15.7	--
	Conduct Audits to Identify Energy Saving Opportunities	15.8	18.4	23.5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	13.4	20.3	22.2
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	11.3	18.4	25.5
	Measure Oxygen and Carbon Dioxide Levels (f)	19.2	15.2	25.5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	11.7	30.1	25.6
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	36.2	12.5	34.1
	Cleaning of Heat Transfer Equipment (i)	30.4	9.7	32.3
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	32.3	13.2	25.4
	Keep an Inventory of All Motors	13.9	16.0	31.9
	Detect and Control Compressed Air Leaks (l)	14.3	17.7	31.8
	Track the Amount of Energy Spent in Compressed Air Systems	11.1	18.3	26.5
325992	**Photographic Film, Paper, Plate, and Chemicals**			
	Person(s) Responsible for Energy Management (c)	24.5	25.7	21.8
	Aware of ISO 50001	5.3	21.8	--
	Implementing ISO 50001	21.8	X	--
	Energy Efficiency a part of Purchasing Decision	21.8	2.3	21.8
	Energy Use Baseline for Comparing Energy Use in Future Years	27.6	26.0	42.1
	Set Goals for Improving Energy Consumption	26.7	21.8	23.2
	Quantitative Goals	21.8	21.8	6.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	13.1	37.0	--
	Conduct Audits to Identify Energy Saving Opportunities	11.3	29.6	21.8
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	22.8	21.8	34.1
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	13.3	21.8	41.6
	Measure Oxygen and Carbon Dioxide Levels (f)	17.0	21.8	33.2
	Use Flue Gas to Preheat Other Equipment or Processes (g)	8.4	21.8	34.8
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	37.1	30.5	34.8
	Cleaning of Heat Transfer Equipment (i)	38.4	21.8	34.2
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	46.2	25.8	39.0
	Keep an Inventory of All Motors	19.8	26.6	39.0
	Detect and Control Compressed Air Leaks (l)	19.9	29.0	35.8
	Track the Amount of Energy Spent in Compressed Air Systems	15.8	21.8	35.8
326	**Plastics and Rubber Products**			
	Person(s) Responsible for Energy Management (c)	8.3	13.5	17.4
	Aware of ISO 50001	6.6	13.2	--
	Implementing ISO 50001	15.1	37.1	--
	Energy Efficiency a part of Purchasing Decision	27.2	4.6	24.0

	Energy Use Baseline for Comparing Energy Use in Future Years	11.5	10.9	14.7
	Set Goals for Improving Energy Consumption	10.2	11.8	15.3
	Quantitative Goals	29.6	16.8	5.1
	Submetering (metering beyond the main utility, revenue or supplier meter)	4.6	19.6	--
	Conduct Audits to Identify Energy Saving Opportunities	8.4	13.1	17.5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	8.1	16.1	14.6
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.6	30.9	15.3
	Measure Oxygen and Carbon Dioxide Levels (f)	7.3	20.9	13.8
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.4	40.2	14.9
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	13.3	7.9	18.7
	Cleaning of Heat Transfer Equipment (i)	14.9	8.4	15.2
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	15.7	7.3	17.5
	Keep an Inventory of All Motors	11.0	10.0	17.8
	Detect and Control Compressed Air Leaks (l)	14.2	8.8	15.4
	Track the Amount of Energy Spent in Compressed Air Systems	6.1	26.5	15.4
327	**Nonmetallic Mineral Products**			
	Person(s) Responsible for Energy Management (c)	6.2	13.2	17.2
	Aware of ISO 50001	5.6	12.3	--
	Implementing ISO 50001	13.6	36.9	--
	Energy Efficiency a part of Purchasing Decision	17.7	5.0	19.6
	Energy Use Baseline for Comparing Energy Use in Future Years	9.1	11.2	12.6
	Set Goals for Improving Energy Consumption	8.2	10.9	14.9
	Quantitative Goals	24.1	15.5	4.3
	Submetering (metering beyond the main utility, revenue or supplier meter)	3.4	17.2	--
	Conduct Audits to Identify Energy Saving Opportunities	5.8	16.5	14.7
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.8	16.0	14.8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.8	26.4	14.8
	Measure Oxygen and Carbon Dioxide Levels (f)	5.6	17.7	14.5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4.1	20.5	16.1
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	11.6	8.0	15.3
	Cleaning of Heat Transfer Equipment (i)	11.5	8.4	14.3
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	13.8	7.3	14.3
	Keep an Inventory of All Motors	7.6	10.4	18.0
	Detect and Control Compressed Air Leaks (l)	8.7	10.0	16.1
	Track the Amount of Energy Spent in Compressed Air Systems	4.6	28.3	15.5
327120	**Clay Building Material and Refractories**			
	Person(s) Responsible for Energy Management (c)	9.2	11.8	23.4
	Aware of ISO 50001	4.6	10.8	--
	Implementing ISO 50001	10.7	39.9	--
	Energy Efficiency a part of Purchasing Decision	36.4	2.9	25.0
	Energy Use Baseline for Comparing Energy Use in Future Years	13.2	9.5	14.9
	Set Goals for Improving Energy Consumption	11.8	9.0	17.5
	Quantitative Goals	30.9	12.6	8.6
	Submetering (metering beyond the main utility, revenue or supplier meter)	8.0	11.1	--
	Conduct Audits to Identify Energy Saving Opportunities	8.1	14.4	23.3
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	9.5	13.9	27.7
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	6.0	31.2	15.8
	Measure Oxygen and Carbon Dioxide Levels (f)	8.9	14.4	12.4
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.2	8.7	13.9
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	27.6	6.8	20.0
	Cleaning of Heat Transfer Equipment (i)	12.6	9.1	14.4
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	24.1	4.2	16.5
	Keep an Inventory of All Motors	14.4	8.4	11.4
	Detect and Control Compressed Air Leaks (l)	8.4	14.6	15.1
	Track the Amount of Energy Spent in Compressed Air Systems	1.9	11.5	12.9
327211	**Flat Glass**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	X	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	X
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	X	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	X
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
327212	**Other Pressed and Blown Glass and Glassware**			
	Person(s) Responsible for Energy Management (c)	25.2	26.3	69.7
	Aware of ISO 50001	23.8	50.7	--
	Implementing ISO 50001	45.7	20.5	--
	Energy Efficiency a part of Purchasing Decision	47.6	24.9	74.0
	Energy Use Baseline for Comparing Energy Use in Future Years	35.8	24.0	58.1
	Set Goals for Improving Energy Consumption	14.8	23.2	20.5
	Quantitative Goals	36.3	25.9	11.8
	Submetering (metering beyond the main utility, revenue or supplier meter)	4.9	21.0	--
	Conduct Audits to Identify Energy Saving Opportunities	23.8	32.7	50.5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	19.6	49.3	34.8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	18.6	56.8	56.7
	Measure Oxygen and Carbon Dioxide Levels (f)	22.3	24.0	56.5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	19.9	38.2	55.4
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	42.1	28.0	40.1
	Cleaning of Heat Transfer Equipment (i)	36.0	30.4	39.1
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	32.9	31.1	41.3
	Keep an Inventory of All Motors	26.3	27.3	57.0
	Detect and Control Compressed Air Leaks (l)	23.1	23.1	57.8
	Track the Amount of Energy Spent in Compressed Air Systems	18.3	20.5	51.7
327213	**Glass Containers**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
327215	**Glass Products from Purchased Glass**			
	Person(s) Responsible for Energy Management (c)	9.2	22.5	29.9

	Aware of ISO 50001	6.3	17.8	--
	Implementing ISO 50001	19.5	25.7	--
	Energy Efficiency a part of Purchasing Decision	30.0	7.5	32.5
	Energy Use Baseline for Comparing Energy Use in Future Years	14.1	12.6	20.1
	Set Goals for Improving Energy Consumption	13.0	17.6	22.3
	Quantitative Goals	47.1	23.3	7.5
	Submetering (metering beyond the main utility, revenue or supplier meter)	2.0	19.2	--
	Conduct Audits to Identify Energy Saving Opportunities	9.8	20.0	27.3
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	10.0	16.9	39.5
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.5	21.9	36.5
	Measure Oxygen and Carbon Dioxide Levels (f)	5.1	34.1	22.2
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3.3	10.6	27.7
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	18.7	12.2	25.7
	Cleaning of Heat Transfer Equipment (i)	18.6	13.4	24.8
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	19.7	12.3	22.5
	Keep an Inventory of All Motors	11.6	16.2	26.6
	Detect and Control Compressed Air Leaks (l)	12.8	16.0	26.6
	Track the Amount of Energy Spent in Compressed Air Systems	5.8	10.6	31.1
327310	**Cements**			
	Person(s) Responsible for Energy Management (c)	32.9	29.3	53.6
	Aware of ISO 50001	34.9	19.9	--
	Implementing ISO 50001	37.5	62.6	--
	Energy Efficiency a part of Purchasing Decision	95.3	7.5	29.2
	Energy Use Baseline for Comparing Energy Use in Future Years	44.2	29.5	50.6
	Set Goals for Improving Energy Consumption	81.0	30.8	54.7
	Quantitative Goals	29.2	29.5	23.2
	Submetering (metering beyond the main utility, revenue or supplier meter)	41.2	31.3	--
	Conduct Audits to Identify Energy Saving Opportunities	32.1	29.3	43.5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	36.0	29.6	50.8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	30.0	30.1	45.7
	Measure Oxygen and Carbon Dioxide Levels (f)	36.9	29.2	54.7
	Use Flue Gas to Preheat Other Equipment or Processes (g)	34.5	29.6	57.7
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	42.2	29.5	58.2
	Cleaning of Heat Transfer Equipment (i)	33.4	29.6	52.2
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	44.2	10.3	29.2
	Keep an Inventory of All Motors	65.4	30.9	59.4
	Detect and Control Compressed Air Leaks (l)	17.4	29.7	29.2
	Track the Amount of Energy Spent in Compressed Air Systems	15.0	29.8	29.4
327410	**Lime**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	X	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
327420	**Gypsum**			
	Person(s) Responsible for Energy Management (c)	16.0	16.7	16.0
	Aware of ISO 50001	6.8	16.0	--
	Implementing ISO 50001	16.0	16.0	--
	Energy Efficiency a part of Purchasing Decision	64.6	18.0	63.2
	Energy Use Baseline for Comparing Energy Use in Future Years	51.0	18.3	19.9
	Set Goals for Improving Energy Consumption	55.3	18.1	20.0
	Quantitative Goals	23.2	20.9	39.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	33.9	16.3	--
	Conduct Audits to Identify Energy Saving Opportunities	25.4	15.7	16.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	18.8	43.7	52.5
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	17.0	16.0	50.2
	Measure Oxygen and Carbon Dioxide Levels (f)	6.0	17.1	16.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	9.0	16.6	16.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	25.7	16.5	57.5
	Cleaning of Heat Transfer Equipment (i)	13.3	16.5	16.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	25.5	16.3	16.0
	Keep an Inventory of All Motors	50.9	18.1	16.0
	Detect and Control Compressed Air Leaks (l)	16.1	25.2	16.0
	Track the Amount of Energy Spent in Compressed Air Systems	3.5	18.6	16.0
327993	**Mineral Wool**			
	Person(s) Responsible for Energy Management (c)	25.2	32.2	32.8
	Aware of ISO 50001	24.2	18.4	--
	Implementing ISO 50001	19.6	20.8	--
	Energy Efficiency a part of Purchasing Decision	46.0	8.5	34.7
	Energy Use Baseline for Comparing Energy Use in Future Years	39.6	27.3	30.1
	Set Goals for Improving Energy Consumption	30.0	17.7	30.1
	Quantitative Goals	79.8	27.5	25.4
	Submetering (metering beyond the main utility, revenue or supplier meter)	6.7	21.9	--
	Conduct Audits to Identify Energy Saving Opportunities	12.2	28.5	31.8
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	25.1	27.0	30.1
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.6	20.8	30.6
	Measure Oxygen and Carbon Dioxide Levels (f)	15.8	25.2	31.2
	Use Flue Gas to Preheat Other Equipment or Processes (g)	9.6	25.0	33.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	27.1	21.9	31.5
	Cleaning of Heat Transfer Equipment (i)	32.8	23.6	30.9
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	39.1	19.2	31.5
	Keep an Inventory of All Motors	26.3	10.1	35.6
	Detect and Control Compressed Air Leaks (l)	25.4	17.4	35.5
	Track the Amount of Energy Spent in Compressed Air Systems	8.8	20.8	31.7
331	**Primary Metals**			
	Person(s) Responsible for Energy Management (c)	3.6	5.0	12.3
	Aware of ISO 50001	4.0	5.7	--
	Implementing ISO 50001	6.2	20.2	--
	Energy Efficiency a part of Purchasing Decision	16.4	3.2	15.8
	Energy Use Baseline for Comparing Energy Use in Future Years	6.1	4.8	8.8
	Set Goals for Improving Energy Consumption	4.6	5.5	9.6
	Quantitative Goals	11.3	6.7	2.1
	Submetering (metering beyond the main utility, revenue or supplier meter)	2.4	4.5	--
	Conduct Audits to Identify Energy Saving Opportunities	3.4	5.9	10.4
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.3	5.1	11.2
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	2.6	6.8	11.0
	Measure Oxygen and Carbon Dioxide Levels (f)	4.1	6.0	8.5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3.0	6.9	9.5
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	12.0	3.7	10.5
	Cleaning of Heat Transfer Equipment (i)	8.2	4.1	9.7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	12.5	3.6	10.4
	Keep an Inventory of All Motors	6.3	4.6	11.3
	Detect and Control Compressed Air Leaks (l)	4.8	5.5	11.4
	Track the Amount of Energy Spent in Compressed Air Systems	3.0	8.5	10.9

331110	**Iron and Steel Mills and Ferroalloys**			
	Person(s) Responsible for Energy Management (c)	3.2	2.4	3.2
	Aware of ISO 50001	3.8	3.2	--
	Implementing ISO 50001	3.2	3.2	--
	Energy Efficiency a part of Purchasing Decision	3.2	0.7	3.2
	Energy Use Baseline for Comparing Energy Use in Future Years	3.2	2.3	3.2
	Set Goals for Improving Energy Consumption	5.6	3.2	3.2
	Quantitative Goals	3.2	3.2	2.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	3.2	3.6	--
	Conduct Audits to Identify Energy Saving Opportunities	3.2	5.2	3.2
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	3.2	3.2	13.2
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	3.2	8.8	3.2
	Measure Oxygen and Carbon Dioxide Levels (f)	3.2	4.8	3.2
	Use Flue Gas to Preheat Other Equipment or Processes (g)	2.3	3.2	3.2
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	3.2	1.3	3.2
	Cleaning of Heat Transfer Equipment (i)	9.4	3.2	3.2
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	3.2	1.3	3.2
	Keep an Inventory of All Motors	3.2	2.0	3.2
	Detect and Control Compressed Air Leaks (l)	4.0	3.2	3.2
	Track the Amount of Energy Spent in Compressed Air Systems	1.6	3.2	3.2
3312	**Steel Products from Purchased Steel**			
	Person(s) Responsible for Energy Management (c)	13.5	19.1	27.4
	Aware of ISO 50001	13.7	16.0	--
	Implementing ISO 50001	17.1	12.7	--
	Energy Efficiency a part of Purchasing Decision	41.5	12.1	36.2
	Energy Use Baseline for Comparing Energy Use in Future Years	17.8	15.2	22.2
	Set Goals for Improving Energy Consumption	15.4	17.7	22.0
	Quantitative Goals	31.7	20.8	6.2
	Submetering (metering beyond the main utility, revenue or supplier meter)	7.6	17.9	--
	Conduct Audits to Identify Energy Saving Opportunities	11.3	19.1	26.4
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	10.9	17.9	31.4
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.0	15.0	30.4
	Measure Oxygen and Carbon Dioxide Levels (f)	10.9	18.2	21.8
	Use Flue Gas to Preheat Other Equipment or Processes (g)	8.4	34.1	22.5
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	22.8	14.0	22.2
	Cleaning of Heat Transfer Equipment (i)	20.6	14.3	23.5
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	23.9	13.9	21.6
	Keep an Inventory of All Motors	21.8	13.3	29.5
	Detect and Control Compressed Air Leaks (l)	14.4	16.9	26.8
	Track the Amount of Energy Spent in Compressed Air Systems	10.2	37.2	24.2
3313	**Alumina and Aluminum**			
	Person(s) Responsible for Energy Management (c)	4.4	5.0	5.6
	Aware of ISO 50001	3.4	6.4	--
	Implementing ISO 50001	6.7	3.2	--
	Energy Efficiency a part of Purchasing Decision	8.3	1.3	5.3
	Energy Use Baseline for Comparing Energy Use in Future Years	7.7	4.9	14.5
	Set Goals for Improving Energy Consumption	7.6	4.7	18.0
	Quantitative Goals	4.4	5.2	2.3
	Submetering (metering beyond the main utility, revenue or supplier meter)	2.6	4.7	--
	Conduct Audits to Identify Energy Saving Opportunities	5.2	5.8	11.5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	3.5	5.5	5.8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	1.6	6.2	5.0
	Measure Oxygen and Carbon Dioxide Levels (f)	7.4	5.5	11.4
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3.9	6.8	8.9
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	25.5	5.9	8.1
	Cleaning of Heat Transfer Equipment (i)	14.9	6.8	5.2
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	27.4	4.9	16.2
	Keep an Inventory of All Motors	10.0	6.9	5.2
	Detect and Control Compressed Air Leaks (l)	6.9	10.5	6.3
	Track the Amount of Energy Spent in Compressed Air Systems	3.0	5.4	11.4
331314	**Secondary Smelting and Alloying of Aluminum**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
331315	**Aluminum Sheet, Plate and Foils**			
	Person(s) Responsible for Energy Management (c)	17.1	11.6	17.1
	Aware of ISO 50001	17.1	17.1	--
	Implementing ISO 50001	17.1	17.1	--
	Energy Efficiency a part of Purchasing Decision	17.1	4.6	17.1
	Energy Use Baseline for Comparing Energy Use in Future Years	25.9	17.1	17.1
	Set Goals for Improving Energy Consumption	17.6	17.1	17.1
	Quantitative Goals	X	17.1	8.9
	Submetering (metering beyond the main utility, revenue or supplier meter)	17.1	9.0	--
	Conduct Audits to Identify Energy Saving Opportunities	24.6	17.1	17.1
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	17.1	15.3	17.1
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.9	17.1	17.1
	Measure Oxygen and Carbon Dioxide Levels (f)	17.1	17.1	22.5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	17.1	17.1	30.1
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	17.1	5.5	17.1
	Cleaning of Heat Transfer Equipment (i)	28.0	17.1	17.1
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	17.1	6.0	17.1
	Keep an Inventory of All Motors	17.1	11.7	17.1
	Detect and Control Compressed Air Leaks (l)	17.1	29.6	17.1
	Track the Amount of Energy Spent in Compressed Air Systems	9.3	17.1	17.1
331318	**Other Aluminum Rolling, Drawing and Extruding**			
	Person(s) Responsible for Energy Management (c)	6.8	10.9	12.7
	Aware of ISO 50001	5.6	12.1	--
	Implementing ISO 50001	12.5	9.3	--
	Energy Efficiency a part of Purchasing Decision	22.3	2.1	9.3
	Energy Use Baseline for Comparing Energy Use in Future Years	10.8	10.9	27.0
	Set Goals for Improving Energy Consumption	12.9	10.7	28.5
	Quantitative Goals	9.3	11.2	3.6
	Submetering (metering beyond the main utility, revenue or supplier meter)	3.9	12.4	--
	Conduct Audits to Identify Energy Saving Opportunities	7.9	11.3	22.7
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.2	12.1	10.8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	2.1	14.8	11.5
	Measure Oxygen and Carbon Dioxide Levels (f)	12.6	10.8	20.6
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.3	13.7	9.9
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	39.1	12.7	15.5
	Cleaning of Heat Transfer Equipment (i)	25.9	13.1	10.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	47.7	10.6	26.8
	Keep an Inventory of All Motors	16.4	15.0	10.0

	Detect and Control Compressed Air Leaks (l)	12.7	17.0	15.3
	Track the Amount of Energy Spent in Compressed Air Systems	5.3	10.5	20.0
3314	**Nonferrous Metals, except Aluminum**			
	Person(s) Responsible for Energy Management (c)	9.3	13.3	28.7
	Aware of ISO 50001	9.2	13.8	--
	Implementing ISO 50001	14.5	56.4	--
	Energy Efficiency a part of Purchasing Decision	27.4	8.2	37.7
	Energy Use Baseline for Comparing Energy Use in Future Years	18.8	11.4	19.8
	Set Goals for Improving Energy Consumption	11.0	14.1	21.2
	Quantitative Goals	22.8	15.3	3.7
	Submetering (metering beyond the main utility, revenue or supplier meter)	6.0	14.5	--
	Conduct Audits to Identify Energy Saving Opportunities	9.0	13.5	21.9
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	10.7	13.8	24.8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.3	16.9	26.1
	Measure Oxygen and Carbon Dioxide Levels (f)	9.2	13.3	21.8
	Use Flue Gas to Preheat Other Equipment or Processes (g)	7.7	15.5	23.7
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	26.1	9.9	21.8
	Cleaning of Heat Transfer Equipment (i)	20.9	10.7	20.1
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	30.7	9.8	23.4
	Keep an Inventory of All Motors	14.8	10.8	29.0
	Detect and Control Compressed Air Leaks (l)	10.4	14.7	28.8
	Track the Amount of Energy Spent in Compressed Air Systems	7.4	16.0	27.7
331410	**Nonferrous Metal (except Aluminum) Smelting and Refining**			
	Person(s) Responsible for Energy Management (c)	13.2	26.2	26.2
	Aware of ISO 50001	8.9	26.2	--
	Implementing ISO 50001	26.2	26.2	--
	Energy Efficiency a part of Purchasing Decision	26.2	6.9	26.2
	Energy Use Baseline for Comparing Energy Use in Future Years	26.2	18.2	26.2
	Set Goals for Improving Energy Consumption	26.2	26.2	25.4
	Quantitative Goals	26.2	26.2	4.9
	Submetering (metering beyond the main utility, revenue or supplier meter)	11.4	26.2	--
	Conduct Audits to Identify Energy Saving Opportunities	26.2	26.2	22.4
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	14.9	26.2	26.2
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	9.4	26.2	26.2
	Measure Oxygen and Carbon Dioxide Levels (f)	10.2	26.2	26.2
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.4	26.2	26.2
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	26.2	9.0	26.2
	Cleaning of Heat Transfer Equipment (i)	26.2	13.0	26.2
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	26.2	8.3	26.2
	Keep an Inventory of All Motors	26.2	13.6	26.2
	Detect and Control Compressed Air Leaks (l)	12.3	26.2	26.2
	Track the Amount of Energy Spent in Compressed Air Systems	7.9	26.2	26.2
3315	**Foundries**			
	Person(s) Responsible for Energy Management (c)	4.6	10.0	24.3
	Aware of ISO 50001	6.8	10.6	--
	Implementing ISO 50001	11.6	38.1	--
	Energy Efficiency a part of Purchasing Decision	33.4	5.5	28.9
	Energy Use Baseline for Comparing Energy Use in Future Years	8.8	9.4	15.5
	Set Goals for Improving Energy Consumption	7.0	10.6	19.1
	Quantitative Goals	16.9	14.8	4.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	3.6	9.2	--
	Conduct Audits to Identify Energy Saving Opportunities	5.0	11.2	22.6
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.2	9.5	21.1
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.3	13.3	20.2
	Measure Oxygen and Carbon Dioxide Levels (f)	6.7	12.8	15.3
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4.9	14.7	17.6
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	23.9	6.0	22.4
	Cleaning of Heat Transfer Equipment (i)	14.6	6.7	18.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	24.4	5.8	21.6
	Keep an Inventory of All Motors	9.7	9.3	19.8
	Detect and Control Compressed Air Leaks (l)	9.2	8.7	21.9
	Track the Amount of Energy Spent in Compressed Air Systems	5.0	11.6	20.7
331511	**Iron Foundries**			
	Person(s) Responsible for Energy Management (c)	20.4	21.8	44.7
	Aware of ISO 50001	19.1	20.7	--
	Implementing ISO 50001	22.6	18.6	--
	Energy Efficiency a part of Purchasing Decision	57.3	13.4	67.2
	Energy Use Baseline for Comparing Energy Use in Future Years	22.7	17.9	46.0
	Set Goals for Improving Energy Consumption	20.3	19.5	51.3
	Quantitative Goals	18.8	25.6	8.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	17.1	18.8	--
	Conduct Audits to Identify Energy Saving Opportunities	19.4	21.8	56.6
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	26.3	18.2	50.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	16.5	20.2	48.2
	Measure Oxygen and Carbon Dioxide Levels (f)	16.6	28.7	34.3
	Use Flue Gas to Preheat Other Equipment or Processes (g)	16.1	20.6	38.1
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	35.3	17.9	50.0
	Cleaning of Heat Transfer Equipment (i)	26.3	16.5	37.2
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	27.3	14.9	49.1
	Keep an Inventory of All Motors	27.7	18.0	46.9
	Detect and Control Compressed Air Leaks (l)	20.3	19.6	51.5
	Track the Amount of Energy Spent in Compressed Air Systems	16.8	19.8	42.7
331523	**Nonferrous Metal Die-Casting Foundaries**			
	Person(s) Responsible for Energy Management (c)	8.7	14.2	24.0
	Aware of ISO 50001	10.6	18.4	--
	Implementing ISO 50001	15.8	71.1	--
	Energy Efficiency a part of Purchasing Decision	46.9	9.1	22.7
	Energy Use Baseline for Comparing Energy Use in Future Years	18.0	10.7	19.9
	Set Goals for Improving Energy Consumption	12.8	12.0	21.7
	Quantitative Goals	26.4	10.9	4.9
	Submetering (metering beyond the main utility, revenue or supplier meter)	2.9	10.2	--
	Conduct Audits to Identify Energy Saving Opportunities	9.0	16.5	24.2
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	6.8	11.1	25.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.7	11.6	22.5
	Measure Oxygen and Carbon Dioxide Levels (f)	9.5	13.8	19.5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	9.7	36.2	21.9
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	20.5	3.6	19.6
	Cleaning of Heat Transfer Equipment (i)	14.8	7.9	25.7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	20.2	3.3	18.8
	Keep an Inventory of All Motors	11.4	22.4	23.4
	Detect and Control Compressed Air Leaks (l)	12.9	13.5	17.6
	Track the Amount of Energy Spent in Compressed Air Systems	3.9	11.6	16.3
331524	**Aluminum Foundries, except Die-Casting**			
	Person(s) Responsible for Energy Management (c)	6.5	12.5	13.8
	Aware of ISO 50001	7.5	12.4	--
	Implementing ISO 50001	13.2	7.7	--
	Energy Efficiency a part of Purchasing Decision	34.1	1.8	7.7
	Energy Use Baseline for Comparing Energy Use in Future Years	10.8	11.5	11.3
	Set Goals for Improving Energy Consumption	9.2	13.7	10.9
	Quantitative Goals	38.5	25.5	5.7
	Submetering (metering beyond the main utility, revenue or supplier meter)	2.7	11.9	--
	Conduct Audits to Identify Energy Saving Opportunities	5.5	12.9	14.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.8	10.4	14.1
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	3.4	12.7	13.3
	Measure Oxygen and Carbon Dioxide Levels (f)	7.8	15.0	11.7
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.5	26.2	13.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	18.9	3.3	16.8

	Cleaning of Heat Transfer Equipment (i)	14.1	4.1	15.7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	25.0	3.7	15.1
	Keep an Inventory of All Motors	9.8	11.0	15.1
	Detect and Control Compressed Air Leaks (l)	12.5	9.9	11.6
	Track the Amount of Energy Spent in Compressed Air Systems	2.0	7.7	10.0
332	**Fabricated Metal Products**			
	Person(s) Responsible for Energy Management (c)	4.1	14.2	17.3
	Aware of ISO 50001	4.1	11.3	--
	Implementing ISO 50001	12.2	36.2	--
	Energy Efficiency a part of Purchasing Decision	12.2	4.8	17.4
	Energy Use Baseline for Comparing Energy Use in Future Years	5.3	13.8	12.1
	Set Goals for Improving Energy Consumption	5.4	14.9	11.3
	Quantitative Goals	33.3	18.4	2.5
	Submetering (metering beyond the main utility, revenue or supplier meter)	1.8	27.8	--
	Conduct Audits to Identify Energy Saving Opportunities	3.8	18.2	15.8
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.2	16.8	14.4
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	3.4	26.4	14.8
	Measure Oxygen and Carbon Dioxide Levels (f)	4.3	19.7	12.5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3.8	35.9	12.2
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	7.9	8.4	12.4
	Cleaning of Heat Transfer Equipment (i)	8.0	8.4	12.5
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	8.2	8.4	11.8
	Keep an Inventory of All Motors	5.9	11.6	12.7
	Detect and Control Compressed Air Leaks (l)	6.6	10.0	12.8
	Track the Amount of Energy Spent in Compressed Air Systems	3.6	26.4	13.8
333	**Machinery**			
	Person(s) Responsible for Energy Management (c)	4.2	13.1	19.9
	Aware of ISO 50001	4.8	10.3	--
	Implementing ISO 50001	10.9	41.6	--
	Energy Efficiency a part of Purchasing Decision	13.7	4.3	19.6
	Energy Use Baseline for Comparing Energy Use in Future Years	6.4	11.8	11.5
	Set Goals for Improving Energy Consumption	6.0	12.1	12.3
	Quantitative Goals	23.7	16.9	3.2
	Submetering (metering beyond the main utility, revenue or supplier meter)	1.8	28.2	--
	Conduct Audits to Identify Energy Saving Opportunities	4.8	15.2	13.7
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	4.5	17.2	13.7
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	3.6	27.0	14.7
	Measure Oxygen and Carbon Dioxide Levels (f)	4.4	23.2	11.8
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3.6	42.4	12.8
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	8.9	7.5	13.1
	Cleaning of Heat Transfer Equipment (i)	8.7	7.9	12.5
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	9.1	7.9	11.9
	Keep an Inventory of All Motors	6.0	11.1	13.9
	Detect and Control Compressed Air Leaks (l)	6.7	10.5	12.5
	Track the Amount of Energy Spent in Compressed Air Systems	3.9	22.0	14.1
334	**Computer and Electronic Products**			
	Person(s) Responsible for Energy Management (c)	7.9	16.7	23.4
	Aware of ISO 50001	7.4	14.7	--
	Implementing ISO 50001	16.0	50.8	--
	Energy Efficiency a part of Purchasing Decision	17.9	7.8	27.5
	Energy Use Baseline for Comparing Energy Use in Future Years	11.4	15.3	16.1
	Set Goals for Improving Energy Consumption	9.3	16.6	18.6
	Quantitative Goals	38.2	19.7	5.3
	Submetering (metering beyond the main utility, revenue or supplier meter)	4.1	26.3	--
	Conduct Audits to Identify Energy Saving Opportunities	8.0	16.4	25.9
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	8.3	17.2	22.2
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	6.5	26.1	21.2
	Measure Oxygen and Carbon Dioxide Levels (f)	6.8	23.1	17.5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.3	28.8	19.9
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	12.9	11.9	19.4
	Cleaning of Heat Transfer Equipment (i)	12.3	13.4	17.5
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	15.4	11.3	16.9
	Keep an Inventory of All Motors	11.6	14.9	16.7
	Detect and Control Compressed Air Leaks (l)	9.4	15.8	21.1
	Track the Amount of Energy Spent in Compressed Air Systems	6.4	29.0	20.0
334413	**Semiconductors and Related Devices**			
	Person(s) Responsible for Energy Management (c)	28.0	22.3	44.1
	Aware of ISO 50001	24.9	22.4	--
	Implementing ISO 50001	25.9	44.9	--
	Energy Efficiency a part of Purchasing Decision	75.6	14.9	37.8
	Energy Use Baseline for Comparing Energy Use in Future Years	35.5	22.2	37.9
	Set Goals for Improving Energy Consumption	33.4	20.1	39.1
	Quantitative Goals	56.8	24.1	18.5
	Submetering (metering beyond the main utility, revenue or supplier meter)	17.3	28.3	--
	Conduct Audits to Identify Energy Saving Opportunities	24.5	25.4	34.1
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	24.0	21.8	33.8
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	17.7	39.1	32.5
	Measure Oxygen and Carbon Dioxide Levels (f)	17.8	29.0	31.8
	Use Flue Gas to Preheat Other Equipment or Processes (g)	7.2	18.4	29.9
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	44.0	21.4	36.2
	Cleaning of Heat Transfer Equipment (i)	38.9	23.1	32.7
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	42.0	22.5	28.4
	Keep an Inventory of All Motors	15.2	20.8	34.0
	Detect and Control Compressed Air Leaks (l)	23.0	24.3	36.0
	Track the Amount of Energy Spent in Compressed Air Systems	16.9	35.9	32.8
335	**Electrical Equip., Appliances, Components**			
	Person(s) Responsible for Energy Management (c)	10.5	21.4	29.4
	Aware of ISO 50001	9.3	19.4	--
	Implementing ISO 50001	20.4	75.0	--
	Energy Efficiency a part of Purchasing Decision	28.1	9.1	38.8
	Energy Use Baseline for Comparing Energy Use in Future Years	12.6	20.0	23.9
	Set Goals for Improving Energy Consumption	10.0	22.6	27.4
	Quantitative Goals	51.4	24.5	4.4
	Submetering (metering beyond the main utility, revenue or supplier meter)	4.1	30.1	--
	Conduct Audits to Identify Energy Saving Opportunities	10.6	20.6	34.5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.8	31.4	31.4
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.0	43.5	30.9
	Measure Oxygen and Carbon Dioxide Levels (f)	9.7	27.3	22.2
	Use Flue Gas to Preheat Other Equipment or Processes (g)	7.3	42.3	27.2
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	17.7	16.9	21.9
	Cleaning of Heat Transfer Equipment (i)	19.2	16.4	20.9
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	18.8	17.6	19.3
	Keep an Inventory of All Motors	10.4	25.4	23.0
	Detect and Control Compressed Air Leaks (l)	14.9	21.5	20.1
	Track the Amount of Energy Spent in Compressed Air Systems	8.2	35.5	26.9
336	**Transportation Equipment**			
	Person(s) Responsible for Energy Management (c)	9.2	13.5	23.5
	Aware of ISO 50001	8.9	13.1	--
	Implementing ISO 50001	14.2	29.9	--
	Energy Efficiency a part of Purchasing Decision	22.6	7.0	25.3
	Energy Use Baseline for Comparing Energy Use in Future Years	12.2	13.1	17.8
	Set Goals for Improving Energy Consumption	10.7	13.6	19.5
	Quantitative Goals	60.3	14.9	5.5
	Submetering (metering beyond the main utility, revenue or supplier meter)	4.1	22.2	--
	Conduct Audits to Identify Energy Saving Opportunities	10.5	14.8	18.5
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	9.2	19.3	18.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	7.1	35.4	17.7
	Measure Oxygen and Carbon Dioxide Levels (f)	7.7	25.6	15.8

	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.6	39.3	17.1
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	16.0	10.8	17.8
	Cleaning of Heat Transfer Equipment (i)	15.5	11.4	17.1
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	16.4	11.0	17.4
	Keep an Inventory of All Motors	10.6	15.1	18.5
	Detect and Control Compressed Air Leaks (l)	9.9	16.7	18.0
	Track the Amount of Energy Spent in Compressed Air Systems	6.8	23.4	18.7
336111	**Automobiles**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	0.0
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	0.0
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
336112	**Light Trucks and Utility Vehicles**			
	Person(s) Responsible for Energy Management (c)	0.0	0.0	X
	Aware of ISO 50001	0.0	0.0	--
	Implementing ISO 50001	0.0	0.0	--
	Energy Efficiency a part of Purchasing Decision	0.0	0.0	0.0
	Energy Use Baseline for Comparing Energy Use in Future Years	0.0	0.0	0.0
	Set Goals for Improving Energy Consumption	0.0	0.0	X
	Quantitative Goals	0.0	0.0	0.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	0.0	0.0	--
	Conduct Audits to Identify Energy Saving Opportunities	0.0	0.0	0.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	0.0	0.0	0.0
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0
	Keep an Inventory of All Motors	0.0	0.0	0.0
	Detect and Control Compressed Air Leaks (l)	0.0	0.0	0.0
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0
3364	**Aerospace Product and Parts**			
	Person(s) Responsible for Energy Management (c)	14.7	13.8	33.6
	Aware of ISO 50001	12.9	15.3	--
	Implementing ISO 50001	15.9	26.5	--
	Energy Efficiency a part of Purchasing Decision	28.8	10.1	30.7
	Energy Use Baseline for Comparing Energy Use in Future Years	19.4	13.8	25.4
	Set Goals for Improving Energy Consumption	16.6	15.1	24.6
	Quantitative Goals	34.9	17.3	8.1
	Submetering (metering beyond the main utility, revenue or supplier meter)	8.1	24.1	--
	Conduct Audits to Identify Energy Saving Opportunities	13.7	16.3	25.6
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	11.2	20.5	24.1
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	8.6	25.2	26.3
	Measure Oxygen and Carbon Dioxide Levels (f)	10.3	25.0	23.1
	Use Flue Gas to Preheat Other Equipment or Processes (g)	8.3	30.7	22.6
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	20.0	13.5	27.0
	Cleaning of Heat Transfer Equipment (i)	16.8	15.2	21.6
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	22.0	13.3	23.3
	Keep an Inventory of All Motors	12.2	18.5	22.3
	Detect and Control Compressed Air Leaks (l)	12.1	20.2	23.4
	Track the Amount of Energy Spent in Compressed Air Systems	9.1	21.4	23.6
336411	**Aircraft**			
	Person(s) Responsible for Energy Management (c)	44.3	26.5	51.1
	Aware of ISO 50001	31.6	27.7	--
	Implementing ISO 50001	27.7	X	--
	Energy Efficiency a part of Purchasing Decision	37.7	16.9	50.4
	Energy Use Baseline for Comparing Energy Use in Future Years	36.5	36.3	46.6
	Set Goals for Improving Energy Consumption	52.8	33.5	37.2
	Quantitative Goals	X	33.7	19.6
	Submetering (metering beyond the main utility, revenue or supplier meter)	26.5	41.1	--
	Conduct Audits to Identify Energy Saving Opportunities	53.9	26.5	41.0
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	24.5	38.3	36.4
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	23.8	44.7	35.9
	Measure Oxygen and Carbon Dioxide Levels (f)	30.3	52.7	41.8
	Use Flue Gas to Preheat Other Equipment or Processes (g)	16.0	23.5	50.3
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	37.2	34.2	52.0
	Cleaning of Heat Transfer Equipment (i)	43.5	37.4	28.8
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	46.2	35.3	36.1
	Keep an Inventory of All Motors	25.8	41.1	34.6
	Detect and Control Compressed Air Leaks (l)	26.1	34.8	33.3
	Track the Amount of Energy Spent in Compressed Air Systems	22.7	39.7	33.7
337	**Furniture and Related Products**			
	Person(s) Responsible for Energy Management (c)	5.4	23.3	26.3
	Aware of ISO 50001	5.2	19.5	--
	Implementing ISO 50001	20.7	67.3	--
	Energy Efficiency a part of Purchasing Decision	18.3	7.3	26.6
	Energy Use Baseline for Comparing Energy Use in Future Years	8.4	19.2	16.9
	Set Goals for Improving Energy Consumption	8.4	18.8	18.1
	Quantitative Goals	36.3	32.3	3.4
	Submetering (metering beyond the main utility, revenue or supplier meter)	2.5	42.5	--
	Conduct Audits to Identify Energy Saving Opportunities	5.7	22.3	25.2
	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	6.0	25.8	21.0
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.7	32.9	20.8
	Measure Oxygen and Carbon Dioxide Levels (f)	6.2	41.3	16.7
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.3	53.5	18.5
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	12.8	12.4	16.5
	Cleaning of Heat Transfer Equipment (i)	13.9	13.9	13.5
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	12.6	15.5	13.1
	Keep an Inventory of All Motors	11.2	15.2	15.6
	Detect and Control Compressed Air Leaks (l)	10.4	14.0	18.9
	Track the Amount of Energy Spent in Compressed Air Systems	4.9	41.3	21.9
339	**Miscellaneous**			
	Person(s) Responsible for Energy Management (c)	5.2	21.5	16.4
	Aware of ISO 50001	4.8	15.9	--
	Implementing ISO 50001	16.5	51.5	--
	Energy Efficiency a part of Purchasing Decision	11.2	8.6	17.6
	Energy Use Baseline for Comparing Energy Use in Future Years	6.9	16.3	14.7
	Set Goals for Improving Energy Consumption	6.5	17.5	15.1
	Quantitative Goals	31.3	26.1	3.0
	Submetering (metering beyond the main utility, revenue or supplier meter)	3.1	28.4	--
	Conduct Audits to Identify Energy Saving Opportunities	4.9	23.6	16.9

	Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.6	28.4	13.9
	Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions	5.2	37.8	13.8
	Measure Oxygen and Carbon Dioxide Levels (f)	5.4	39.5	12.6
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.3	55.2	13.0
	Process Heating Maintenance Program that Includes the Following:			
	Furance Inspections (h)	9.4	12.2	13.4
	Cleaning of Heat Transfer Equipment (i)	9.1	14.9	11.6
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	9.7	12.6	12.5
	Keep an Inventory of All Motors	8.2	14.6	13.1
	Detect and Control Compressed Air Leaks (l)	6.4	18.2	14.9
	Track the Amount of Energy Spent in Compressed Air Systems	4.5	37.6	15.7

(a) The Bureau of the Census classifies establishments using the 2012 North American Industry Classification System (NAICS).
(b) This count includes only those establishments that reported this activity in 2014.
(c) A 'Full-Time Energy Manager' is a person whose major function is to direct or plan energy strategies relating to energy use and energy-efficient technology within the establishment.
(d) The amount of steam used is the amount needed to produce a unit of product.
(e) The insulation inspections are to monitor and maintain the condition of the steam system insulation.
(f) "Tuning" the burners requires the measuring of oxygen and carbon dioxide levels in boilers and other fuel fired heating equipment flue gases.
(g) The use of flue gases from fuel fired heating equipment to preheat combustion air, preheat charge equipment/materials, or provide heat for other processes.
(h) Furnace inspections are nescessary to seal openings and repair cracks and damaged insulation in furnace walls, doors, etc.
(i) The cleaning of heat transfer surfaces avoids build up of soot, scale, or other material.
(j) Process heating equipment includes, but is not limited to, temperature and pressure sensors, controllers, vavle operators, etc.
(k) A plant-wide study conducted to identify the major energy consuming pump systems.
(l) The staff or equipment dedicated to detecting and controlling compressed air system leaks.
* 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.
-- Estimation is not applicable.
Notes: Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-846, '2014 Manufacturing Energy Consumption Survey.'