NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
		Total United States			
311 - 339	ALL MANUFACTURING INDUSTRIES				
	Full-Time Energy Manager (c)	142,267	12,536	15,365	
	Set Goals for Improving Energy Efficiency	100,182	46,190	23,796	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	38,932 39,296	5,227 7,096	13,256 14,353	112,753 109,423
	Formal Steam Maintenance Program that Includes the Following:	55,250	7,000	14,000	100,420
	Annual Testing of All Steam Traps	30,223	11,291	14,367	114,286
	Maintaining a Steam Trap Database	35,378	5,090	15,971	113,729
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	23,815 117,089	17,496 20,077	14,844 33,002	114,013
	Use Flue Gas to Preheat Other Equipment or Processes (g)	132,429	7,982	29,757	-
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	77,950 76,862	60,842 59,886	31,376 33,420	-
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	73,348	61,605	35,420	
	Keep an Inventory of All Motors	94,984	45,930	29,255	-
	Identify the Major Energy Consuming Pumps (k)	123,510	17,815	28,844	-
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	104,101 136,627	40,596 7,821	25,471 25,720	-
11	FOOD	,	.,		
	Full-Time Energy Manager (c)	11,181	1,401	690	
	Set Goals for Improving Energy Efficiency	6,835	5,243	1,193	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	4,938 4,600	1,815 2,488	920 843	5,597 5,340
	Formal Steam Maintenance Program that Includes the Following:	4,000	2,400	045	0,040
	Annual Testing of All Steam Traps	3,085	3,840	679	5,667
	Maintaining a Steam Trap Database	4,981	1,583	1,056	5,651
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	1,505 6,979	5,520 4,794	692 1,498	5,554
	Use Flue Gas to Preheat Other Equipment or Processes (g)	10,207	1,491	1,573	-
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	4,393	6,656	2,221	-
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	4,202 4,024	7,001 7,232	2,069 2,015	
	Keep an Inventory of All Motors	5,671	6,098	1,502	
	Identify the Major Energy Consuming Pumps (k)	9,662	2,191	1,417	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	8,220 11,144	3,753 885	1,298 1,242	
3112	Grain and Oilseed Milling		000	1,272	
	Full-Time Energy Manager (c)	500	69	33	
	Set Goals for Improving Energy Efficiency	256	311	35	
	Measure and Monitor Steam Used (d)	223	165	73	142
	Dedicated Staff that Performs Insulation Inspections (e)	289	134	39	140
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	127	305	31	139
	Maintaining a Steam Trap Database	269	148	47	139
	Annual Inspections and Repairs of Steam Leaks	34	402	26	140
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	251 419	284	67	
	Process Heating Maintenance Program that Includes the Following:	419	133	50	
	Furance Inspections (h)	204	334	63	
	Cleaning of Heat Transfer Equipment (i)	210	340	52	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	208	351	43 50	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	149 367	403 197	38	
	Detect and Control Compressed Air Leaks (I)	268	296	39	
	Track the Amount of Energy Spent in Compressed Air Systems	477	84	41	
311221	Wet Corn Milling	14/			
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	WW	14 39	W	
	Measure and Monitor Steam Used (d)	10	33	6	10
	Dedicated Staff that Performs Insulation Inspections (e)	W	11	W	11
	Formal Steam Maintenance Program that Includes the Following:	147	00	1.67	
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	W 18	29 22	W 7	11 11
	Annual Inspections and Repairs of Steam Leaks	W	39	Ŵ	11
	Measure Oxygen and Carbon Dioxide Levels (f)	17	36	6	-
		30	22	7	-
	Use Flue Gas to Preheat Other Equipment or Processes (g)				
	Process Heating Maintenance Program that Includes the Following:		10	6	
		12 17	42 35	6 7	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	12			

Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Identify the Major Energy Consuming Pumps (k)	w	27	W	
	Detect and Control Compressed Air Leaks (I)	26	27	6	
	Track the Amount of Energy Spent in Compressed Air Systems	W	18	W	
31131	Sugar				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	W W	4 40	W W	
	Measure and Monitor Steam Used (d)	25	21	0	 27
	Dedicated Staff that Performs Insulation Inspections (e)	35	11	0	27
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	W	w	0	27
	Maintaining a Steam Trap Database	W	9	W	27
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	25 52	21 18	0 3	27
	Use Flue Gas to Preheat Other Equipment or Processes (g)	53	17	4	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	W	46	w	
	Cleaning of Heat Transfer Equipment (i)	W	46	W	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	W 3	46 70	W 0	
	Identify the Major Energy Consuming Pumps (k)	w	39	w	
	Detect and Control Compressed Air Leaks (I)	W	36	W	
	Track the Amount of Energy Spent in Compressed Air Systems	W	30	vv	
3114	Fruit and Vegetable Preserving and Specialty Foods				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	774 458	115 416	99 113	
	Measure and Monitor Steam Used (d)	354	227	171	235
	Dedicated Staff that Performs Insulation Inspections (e)	391	300	87	210
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	308	346	101	232
	Maintaining a Steam Trap Database	478	111	165	232
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	86 378	579 482	92 126	230
	Use Flue Gas to Preheat Other Equipment or Processes (g)	599	241	147	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	272	558	157	
	Cleaning of Heat Transfer Equipment (i)	210	601	176	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	213 354	624 457	150 176	
	Identify the Major Energy Consuming Pumps (k)	612	176	200	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	442 766	340 93	204 128	
3115	Dairy Products				
	Full-Time Energy Manager (c)	752	206	40	
	Set Goals for Improving Energy Efficiency	422 572	452 239	123 65	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	572	239	52	121 123
	Formal Steam Maintenance Program that Includes the Following:	0.10	105	70	
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	343 574	465 207	72 96	118 121
	Annual Inspections and Repairs of Steam Leaks	119	725	82	72
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	293 617	620 274	85 108	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	245 142	654 762	99 94	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	142	702	81	
	Keep an Inventory of All Motors	408	537	52	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	644 596	242 360	113 43	
	Track the Amount of Energy Spent in Compressed Air Systems	835	110	53	
3116	Animal Slaughtering and Processing				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	1,413 728	172 805	125 177	
	Measure and Monitor Steam Used (d)	729	256	109	615
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	668	406	141	494
	Annual Testing of All Steam Traps	438	527	182	562
	Maintaining a Steam Trap Database	698 206	241	210	561
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	206 679	806 738	123 292	574
	Use Flue Gas to Preheat Other Equipment or Processes (g)	1,248	201	260	
	Process Heating Maintenance Program that Includes the Following:				
		1,248 646 551 417	201 811 954	260 252 204 203	

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Keep an Inventory of All Motors	680	766	263	-
	Identify the Major Energy Consuming Pumps (k)	1,195	327	187	-
	Detect and Control Compressed Air Leaks (I)	926	614	169	-
	Track the Amount of Energy Spent in Compressed Air Systems	1,431	100	178	-
12	BEVERAGE AND TOBACCO PRODUCTS				
	Full-Time Energy Manager (c)	1,679 1,070	304 921	110 102	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	715	130	102	1,09
	Dedicated Staff that Performs Insulation Inspections (e)	713	186	140	1,05
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	541	233	205	1,11
	Maintaining a Steam Trap Database	666 366	100 414	214 173	1,11
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	1,518	325	250	1,14
	Use Flue Gas to Preheat Other Equipment or Processes (g)	1,801	109	183	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	970	968	155	
	Cleaning of Heat Transfer Equipment (i)	772	1,112	209	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	830 1,196	1,006 720	257 178	-
	Identify the Major Energy Consuming Pumps (k)	1,638	358	97	
	Detect and Control Compressed Air Leaks (I)	1,474	492	127	-
	Track the Amount of Energy Spent in Compressed Air Systems	1,786	171	136	-
3121	Beverages				
	Full-Time Energy Manager (c)	1,626	293	103	-
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	1,033 693	896 112	92 143	- 1,074
	Dedicated Staff that Performs Insulation Inspections (e)	684	164	143	1,07
	Formal Steam Maintenance Program that Includes the Following:	001		100	1,0 1
	Annual Testing of All Steam Traps	525	204	195	1,09
	Maintaining a Steam Trap Database	635	85	203	1,09
	Annual Inspections and Repairs of Steam Leaks	360 1,490	373 293	164 238	1,12
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	1,7490	293	230 174	-
	Process Heating Maintenance Program that Includes the Following:	1,747	101	174	
	Furance Inspections (h)	949	928	145	-
	Cleaning of Heat Transfer Equipment (i)	758	1,064	200	-
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	814 1,162	959 696	249 165	-
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	1,102	346	88	
	Detect and Control Compressed Air Leaks (I)	1,439	464	120	-
	Track the Amount of Energy Spent in Compressed Air Systems	1,732	164	126	-
3122	Торассо				
	Full-Time Energy Manager (c)	53	11	7	-
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	37 22	25 18	9 15	-
	Dedicated Staff that Performs Insulation Inspections (e)	29	22	7	14
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	16	30	9	10
	Maintaining a Steam Trap Database	31 6	15 41	10 9	1
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	28	32	9 11	1!
	Use Flue Gas to Preheat Other Equipment or Processes (g)	54	8	9	-
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	21	40	10	-
	Cleaning of Heat Transfer Equipment (i)	14	48 47	9 8	-
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	16 34	24	13	-
	Identify the Major Energy Consuming Pumps (k)	51	11	9	-
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	36 54	28 7	7 10	-
313		01	,	10	
	Full-Time Energy Manager (c)	1,027	134	180	-
	Set Goals for Improving Energy Efficiency	578	491	272	-
	Measure and Monitor Steam Used (d)	421	141	178	602
	Dedicated Staff that Performs Insulation Inspections (e)	399	201	153	58
	Formal Steam Maintenance Program that Includes the Following:	200	000	110	
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	322 419	293 172	143 166	58 58
	Annual Inspections and Repairs of Steam Leaks	146	484	132	56
	Measure Oxygen and Carbon Dioxide Levels (f)	662	389	291	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	918	124	299	-
	Process Heating Maintenance Program that Includes the Following:		_		
	Furance Inspections (h)	400	578	363	-
	Cleaning of Heat Transfer Equipment (i)	366	630	344	-

NAICS					No Steam
Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	Used
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	334	666	340	
	Keep an Inventory of All Motors	469 770	546 346	327 226	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	628	459	253	
	Track the Amount of Energy Spent in Compressed Air Systems	928	220	193	
314	TEXTILE PRODUCT MILLS				
	Full-Time Energy Manager (c)	2,469	Q	775	
	Set Goals for Improving Energy Efficiency	1,987 869	769 28	775 775	 1,859
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	788	25	785	1,859
	Formal Steam Maintenance Program that Includes the Following:				.,
	Annual Testing of All Steam Traps	615	23	781	2,112
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	620 591	19 41	781 776	2,112 2,122
	Measure Oxygen and Carbon Dioxide Levels (f)	2,258	Q	965	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	2,597	Q	776	
	Furance Inspections (h)	1,908	847	776	
	Cleaning of Heat Transfer Equipment (i)	1,803	683	1,045	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	1,909	717	905	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	2,081 2,723	534 33	916 775	
	Detect and Control Compressed Air Leaks (I)	2,723	702	775	
	Track the Amount of Energy Spent in Compressed Air Systems	2,647	Q	775	
315	APPAREL				
	Full-Time Energy Manager (c)	3,628	Q	Q	
	Set Goals for Improving Energy Efficiency	2,304	340	1,550	
	Measure and Monitor Steam Used (d)	2,261	W	W	1,298
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	2,085	211	Q	1,300
	Annual Testing of All Steam Traps	1,461	Q	900	1,310
	Maintaining a Steam Trap Database	1,900	Q	Q	1,307
	Annual Inspections and Repairs of Steam Leaks	1,384	Q	900	1,310
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	2,516 2,632	Q	1,552 1,538	
	Process Heating Maintenance Program that Includes the Following:	2,002	<u> </u>	1,000	
	Furance Inspections (h)	2,074	580	1,538	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	1,677 1,443	1,286 1,106	1,230 1,644	
	Keep an Inventory of All Motors	2,450	1,100 Q	1,403	
	Identify the Major Energy Consuming Pumps (k)	2,343	40	1,810	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	2,120 2,565	418 Q	1,655 1,546	
316	LEATHER AND ALLIED PRODUCTS	_,	-	.,	
	Full-Time Energy Manager (c)	377	23	Q	
	Set Goals for Improving Energy Efficiency	351	45	56	
	Measure and Monitor Steam Used (d)	176	8	Q	216
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	182	17	55	198
	Annual Testing of All Steam Traps	140	39	55	218
	Maintaining a Steam Trap Database	163	W	W	218
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	134 334	46 35	55 83	218
	Use Flue Gas to Preheat Other Equipment or Processes (g)	374	0	78	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	227	124	100	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	214 200	133 142	106 110	
	Keep an Inventory of All Motors	313	63	76	
	Identify the Major Energy Consuming Pumps (k)	346	45	61	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	252 373	119 23	81 57	
321	WOOD PRODUCTS				
	Full-Time Energy Manager (c)	6,649	348	731	
	Set Goals for Improving Energy Efficiency	4,690	1,781	1,256	
	Measure and Monitor Steam Used (d)	1,733	367	711	4,916
	Dedicated Staff that Performs Insulation Inspections (e)	1,860	409	800	4,658
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	1,304	698	738	4,988
	Maintaining a Steam Trap Database	1,643	222	993	4,869
	Annual Inspections and Repairs of Steam Leaks	942	1,011	833	4,941
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	5,169 5,738	697 325	1,862 1,664	
	Process Heating Maintenance Program that Includes the Following:	5,736	525	1,004	
	Furance Inspections (h)	3,696	2,376	1,655	

CS le(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Cleaning of Heat Transfer Equipment (i)	3,526	2,245	1,956	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	3,712	1,902	2,114	
	Keep an Inventory of All Motors	3,775	2,487	1,465	
	Identify the Major Energy Consuming Pumps (k)	5,540	505	1,682	
	Detect and Control Compressed Air Leaks (I)	4,304	1,887	1,536	
	Track the Amount of Energy Spent in Compressed Air Systems	6,252	207	1,269	
321113					
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	1,328 857	102 428	230 375	
	Measure and Monitor Steam Used (d)	439	181	220	8
	Dedicated Staff that Performs Insulation Inspections (e)	414	167	251	8
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	271	278	273	8
	Maintaining a Steam Trap Database	405	97	330	8
	Annual Inspections and Repairs of Steam Leaks	174 902	391 223	249 535	8
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	902 1,091	143	426	
	Process Heating Maintenance Program that Includes the Following:	1,001	145	420	
	Furance Inspections (h)	601	634	425	
	Cleaning of Heat Transfer Equipment (i)	571	683	405	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	685	542	433	
	Keep an Inventory of All Motors	687	628	346	
	Identify the Major Energy Consuming Pumps (k)	1,042	189	429	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	840 1,191	424 68	397 401	
212	Veneer, Plywood, and Engineered Woods				
	Full-Time Energy Manager (c)	1,109	33	87	
	Set Goals for Improving Energy Efficiency	784	274	170	
	Measure and Monitor Steam Used (d)	226	83	120	
	Dedicated Staff that Performs Insulation Inspections (e)	304	81	86	
	Formal Steam Maintenance Program that Includes the Following:	101		110	
	Annual Testing of All Steam Traps	191	141	112	
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	254 129	74 208	142 109	
	Measure Oxygen and Carbon Dioxide Levels (f)	780	216	232	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	966	95	167	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	564	493	170	
	Cleaning of Heat Transfer Equipment (i)	574	466	188	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	542	479	207	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	531 969	513 94	184 165	
	Detect and Control Compressed Air Leaks (I)	787	320	103	
	Track the Amount of Energy Spent in Compressed Air Systems	1,043	48	137	
321219	Reconstituted Wood Products				
	Full-Time Energy Manager (c)	166	12	4	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	77 25	91 35	14 11	
	Dedicated Staff that Performs Insulation Inspections (e)	73	17	Q	
	Formal Steam Maintenance Program that Includes the Following:	,,,		a a	
	Annual Testing of All Steam Traps	51	32	12	
	Maintaining a Steam Trap Database	65	13	18	
	Annual Inspections and Repairs of Steam Leaks	Q	57	11	
	Measure Oxygen and Carbon Dioxide Levels (f)	74	84	25	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	109	49	24	
	Furance Inspections (h)	51	115	16	
	Cleaning of Heat Transfer Equipment (i)	48	113	21	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	50	110	21	
	Keep an Inventory of All Motors	55	110	17	
	Identify the Major Energy Consuming Pumps (k)	117	34	30	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	86 133	77 20	19 29	
	Other Wood Products	155	20	25	
219	Full-Time Energy Manager (c)	3,912	209	400	
219		2,791	1,037	693	
219	Set Goals for Improving Energy Efficiency		88	360	3,
219		983			2,
219	Set Goals for Improving Energy Efficiency	983 1,061	141	425	
219	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	1,061	141		
219	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	1,061 783	141 238	338	3,
219	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database	1,061 783 896	141 238 Q	338 499	3, 3,
219	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	1,061 783 896 608	141 238 Q 344	338 499 459	3, 3,(3,
219	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database	1,061 783 896	141 238 Q	338 499	3, 3,0

de(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Furance Inspections (h)	2,385	1,093	1,043	
	Cleaning of Heat Transfer Equipment (i)	2,202	988	1,330	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	2,325	756	1,440	
	Keep an Inventory of All Motors	2,373	1,231	917	
	Identify the Major Energy Consuming Pumps (k)	3,314	167	1,041	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	2,440 3,734	1,079 86	1,003 701	
2	PAPER				
	Full-Time Energy Manager (c)	3,019	409	305	
	Set Goals for Improving Energy Efficiency	2,039	1,233	461	
	Measure and Monitor Steam Used (d)	1,052	521	276	1,8
	Dedicated Staff that Performs Insulation Inspections (e)	1,102	440	384	1,8
	Formal Steam Maintenance Program that Includes the Following:	671	779	290	1.0
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	671 996	318	289 512	1,9 1,9
	Annual Inspections and Repairs of Steam Leaks	449	1,003	287	1,9
	Measure Oxygen and Carbon Dioxide Levels (f)	2,154	840	739	.,-
	Use Flue Gas to Preheat Other Equipment or Processes (g)	2,764	442	528	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	1,444	1,575	715	
	Cleaning of Heat Transfer Equipment (i)	1,475	1,400	859	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	1,235 1,696	1,666 1,561	833 476	
	Identify the Major Energy Consuming Pumps (k)	2,526	607	600	
	Detect and Control Compressed Air Leaks (I)	1,876	1,224	634	
	Track the Amount of Energy Spent in Compressed Air Systems	2,883	371	479	
322110	Pulp Mills				
	Full-Time Energy Manager (c)	21	17	3	
	Set Goals for Improving Energy Efficiency	10	28	3	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	W W	31 10	W	
	Formal Steam Maintenance Program that Includes the Following:	••	10	**	
	Annual Testing of All Steam Traps	14	17	4	
	Maintaining a Steam Trap Database	16	11	8	
	Annual Inspections and Repairs of Steam Leaks	6	25	4	
	Measure Oxygen and Carbon Dioxide Levels (f)	8	27	6	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	11	24	6	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	5	31	4	
	Cleaning of Heat Transfer Equipment (i)	7	28	5	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	4	31	5	
	Keep an Inventory of All Motors	W	32	W	
	Identify the Major Energy Consuming Pumps (k)	18	14	8	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	25 19	11 17	4 4	
322121	Paper Mills, except Newsprint				
	Full-Time Energy Manager (c)	102	97	5	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	102 45	97 146	5 12	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	45 21	146 153	12 5	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	45	146	12	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	45 21 124	146 153 44	12 5 11	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	45 21 124 73	146 153 44 94	12 5 11 12	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database	45 21 124 73 72	146 153 44	12 5 11	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	45 21 124 73	146 153 44 94 88	12 5 11 12 18	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	45 21 124 73 72 23	146 153 44 94 88 145	12 5 11 12 18 11	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	45 21 124 73 72 23 45 64	146 153 44 94 88 145 146 128	12 5 11 12 18 11 12 11	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	45 21 124 73 72 23 45 64 35	146 153 44 94 88 145 146 128 154	12 5 11 12 18 11 12 11 12 11	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	45 21 124 73 72 23 45 64 35 38	146 153 44 94 88 145 146 128 154 154	12 5 11 12 18 11 12 11 12 11 15 17	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	45 21 124 73 72 23 45 64 35 38 32	146 153 44 94 88 145 146 128 154 154 158	12 5 11 12 18 11 12 11 11 15 17 14	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	45 21 124 73 72 23 45 64 35 38 32 28	146 153 44 94 88 145 146 128 154 154 158 158	12 5 11 12 18 11 12 11 12 11 15 17 14 12	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	45 21 124 73 72 23 45 64 35 38 32	146 153 44 94 88 145 146 128 154 154 158	12 5 11 12 18 11 12 11 11 15 17 14	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	45 21 124 73 72 23 45 64 35 38 32 28 89	146 153 44 94 88 145 146 128 154 154 154 158 163 99	12 5 11 12 18 11 12 11 12 11 15 17 14 12 15	
322122	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	45 21 124 73 72 23 45 64 35 38 32 28 89 121	146 153 44 94 88 145 146 128 154 154 158 163 99 970	12 5 11 12 18 11 12 11 12 11 15 17 14 12 15 12	
322122	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Newsprint Mills Full-Time Energy Manager (c)	45 21 124 73 72 23 45 64 35 38 32 28 89 121 120	146 153 44 94 88 145 146 128 154 148 158 163 99 70 69	12 5 11 12 18 11 12 11 12 11 15 17 14 12 15 12 15	
322122	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Newsprint Mills Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	45 21 124 73 72 23 45 64 35 38 32 28 89 121 120	146 153 44 94 88 145 146 128 154 148 163 99 70 69 77 16	12 5 11 12 18 11 12 11 12 11 15 17 14 12 15 12 15 W W	
322122	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Newsprint Mills Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	45 21 124 73 72 23 45 64 35 38 32 28 89 121 120	146 153 44 94 88 145 146 128 154 154 158 163 99 970 69 70 69	12 5 11 12 18 11 12 11 12 11 15 17 14 15 15 12 15 W W W W	
322122	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Newsprint Mills Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	45 21 124 73 72 23 45 64 35 38 32 28 89 121 120	146 153 44 94 88 145 146 128 154 148 163 99 70 69 77 16	12 5 11 12 18 11 12 11 12 11 15 17 14 12 15 12 15 W W	
322122	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Newsprint Mills Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	45 21 124 73 72 23 45 64 35 38 32 28 89 121 120 W W W W 14	146 153 44 94 88 145 146 128 154 163 163 99 70 69 77 16 20 5	12 5 11 12 18 11 12 11 12 15 17 14 12 15 12 15 W W W W W W	
3322122	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Newsprint Mills Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	45 21 124 73 72 23 45 64 35 38 32 28 89 121 120	146 153 44 94 88 145 146 128 154 154 158 163 99 970 69 70 69	12 5 11 12 18 11 12 11 12 11 15 17 14 15 15 12 15 W W W W	
322122	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Newsprint Mills Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	45 21 124 73 72 23 45 64 35 38 32 28 89 121 120 W W W W W 14 7	146 153 44 94 88 145 146 128 154 163 163 99 70 69 70 69 77 16 20 5	12 5 11 12 18 11 12 11 12 11 12 11 15 15 12 15 15 W W W W W W	
322122	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Newsprint Mills Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Trapp Maintaining a Steam Trap Database	45 21 124 73 72 23 45 64 35 38 32 28 89 121 120 W W W W 14 7 7 7	146 153 44 94 88 145 146 128 154 154 158 163 99 970 69 70 69 70 69 70 16 120 5 5	12 5 11 12 18 11 12 11 12 11 15 17 14 12 15 12 15 12 15 W W W W W W	

Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	7	15	5	
	Cleaning of Heat Transfer Equipment (i)	6	16	5	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W	18	W	
	Keep an Inventory of All Motors	W	20	W	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	WW	7	W W	
	Track the Amount of Energy Spent in Compressed Air Systems	Ŵ	10	Ŵ	
322130	Paperboard Mills				
	Full-Time Energy Manager (c)	100	62	16	
	Set Goals for Improving Energy Efficiency	33	124	20	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	14 80	132 57	11 21	20 20
	Formal Steam Maintenance Program that Includes the Following:	80	57	21	20
	Annual Testing of All Steam Traps	48	88	22	20
	Maintaining a Steam Trap Database	68	60	29	20
	Annual Inspections and Repairs of Steam Leaks	12	133	12	20
	Measure Oxygen and Carbon Dioxide Levels (f)	45	113	20	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	59	89	29	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	28	124	25	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	28 12	128 146	21 19	
	Keep an Inventory of All Motors	12	140	24	
	Identify the Major Energy Consuming Pumps (k)	67	79	31	
	Detect and Control Compressed Air Leaks (I)	85	69	24	
	Track the Amount of Energy Spent in Compressed Air Systems	103	44	30	
323	PRINTING AND RELATED SUPPORT				
	Full-Time Energy Manager (c)	13,255	494	1,563	
	Set Goals for Improving Energy Efficiency	10,494	2,673	2,146	
	Measure and Monitor Steam Used (d)	2,978	Q	1,248	11,030
	Dedicated Staff that Performs Insulation Inspections (e)	3,038	Q	1,342	10,905
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	2,441	196	1,585	11,091
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	2,424 2,318	Q 235	1,855 1,871	10,993 10,889
	Measure Oxygen and Carbon Dioxide Levels (f)	11,037	731	3,545	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	11,470	341	3,502	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	7,899	4,243	3,171	
	Cleaning of Heat Transfer Equipment (i)	7,776	3,954	3,583	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	7,345	3,928	4,040	
	Keep an Inventory of All Motors	9,928	2,489	2,896	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	11,447 11,055	967 2,010	2,899 2,248	
	Track the Amount of Energy Spent in Compressed Air Systems	13,009	124	2,180	
324	PETROLEUM AND COAL PRODUCTS				
	Full-Time Energy Manager (c)	1,443	418	164	
	Set Goals for Improving Energy Efficiency	782	1,000	242	
	Measure and Monitor Steam Used (d)	473	216	147	1,189
	Dedicated Staff that Performs Insulation Inspections (e)	479	254	133	1,158
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	374	337	129	1,183
	Maintaining a Steam Trap Database	480	224	137	1,183
	Annual Inspections and Repairs of Steam Leaks	247	460	130	1,188
	Measure Oxygen and Carbon Dioxide Levels (f)	560	1,102	362	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	1,275	443	306	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	486	1,200	337	
	Cleaning of Heat Transfer Equipment (i)	450	1,244	330	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	319	1,423	282	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	593 1,261	1,103 417	328 346	
	Detect and Control Compressed Air Leaks (I)	1,259	450	315	
	Track the Amount of Energy Spent in Compressed Air Systems	1,637	93	294	
324110	Petroleum Refineries				
324110	Full-Time Energy Manager (c)	104	123	4	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	56	171	6	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	56 62	171 143	6 7	21
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	56	171	6	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	56 62 105	171 143 101	6 7 7	21 19
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	56 62 105 60	171 143 101 144	6 7 7 9	21 19 19
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	56 62 105	171 143 101	6 7 7	21 19

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Use Flue Gas to Preheat Other Equipment or Processes (g)	62	161	9	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	25 23	201 201	6 7	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	23	201	13	
	Keep an Inventory of All Motors	28	194	10	
	Identify the Major Energy Consuming Pumps (k)	98	112	22	
	Detect and Control Compressed Air Leaks (I)	175	38	19	
004404	Track the Amount of Energy Spent in Compressed Air Systems	172	38	22	
324121	Asphalt Paving Mixture and Block				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	944 473	251 647	144 218	
	Measure and Monitor Steam Used (d)	163	31	121	1,024
	Dedicated Staff that Performs Insulation Inspections (e)	188	34	110	1,007
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	147 187	59 16	104 106	1,028 1,029
	Annual Inspections and Repairs of Steam Leaks	187	92	100	1,029
	Measure Oxygen and Carbon Dioxide Levels (f)	273	756	309	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	860	221	257	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	321	738	280	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	280 179	763 912	296 247	
	Keep an Inventory of All Motors	358	691	290	
	Identify the Major Energy Consuming Pumps (k)	835	208	295	
	Detect and Control Compressed Air Leaks (I)	794	274	270	
	Track the Amount of Energy Spent in Compressed Air Systems	1,080	16	242	
324199	Other Petroleum and Coal Products				
	Full-Time Energy Manager (c)	43	W	W	
	Set Goals for Improving Energy Efficiency	21	23	4	
	Measure and Monitor Steam Used (d)	WW	11	W	20 17
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	VV	11	vv	17
	Annual Testing of All Steam Traps	12	13	5	17
	Maintaining a Steam Trap Database	17	9	4	17
	Annual Inspections and Repairs of Steam Leaks	W	20	W	17
	Measure Oxygen and Carbon Dioxide Levels (f)	W 29	20 15	W 4	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	29	15	4	
	Furance Inspections (h)	9	33	5	
	Cleaning of Heat Transfer Equipment (i)	16	27	5	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	9	35	4	
	Keep an Inventory of All Motors	12 35	31 9	5 4	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	35 W	13	4 W	
	Track the Amount of Energy Spent in Compressed Air Systems	43	Ŵ	w	
325	CHEMICALS				
	Full-Time Energy Manager (c)	6,490	1,192	607	
	Set Goals for Improving Energy Efficiency	4,041	3,411	837	
	Measure and Monitor Steam Used (d)	2,493	1,161	729	3,906
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	2,734	1,148	626	3,781
	Annual Testing of All Steam Traps	1,839	1,654	799	3,998
	Maintaining a Steam Trap Database	2,288	990	1,147	3,864
	Annual Inspections and Repairs of Steam Leaks	914	2,616	801	3,959
	Measure Oxygen and Carbon Dioxide Levels (f)	4,679	2,138	1,471	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	5,973	1,023	1,293	
	Furance Inspections (h)	3,075	4,035	1,179	
	Cleaning of Heat Transfer Equipment (i)	3,083	3,988	1,218	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	2,627	4,341	1,321	
	Keep an Inventory of All Motors	3,425	3,681	1,184	
	Identify the Major Energy Consuming Pumps (k)	5,194	1,741	1,354	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	5,027 6,400	2,208 799	1,054 1,089	
325110	Petrochemicals				
	Full-Time Energy Manager (c)	W	19	W	
	Set Goals for Improving Energy Efficiency	W	32	W	
	Measure and Monitor Steam Used (d)	6	29	W	W
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	17	19	W	W
	Annual Testing of All Steam Traps	18	18	W	w
	Maintaining a Steam Trap Database	10	26	W	W
	Annual Inspections and Repairs of Steam Leaks	7	29	W	W

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Measure Oxygen and Carbon Dioxide Levels (f)	W	32	W	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	10	24	6	
	Process Heating Maintenance Program that Includes the Following:	2	20	-	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	3 W	32 34	5 W	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	Ŵ	35	Ŵ	
	Keep an Inventory of All Motors	W	35	W	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	13 26	18	9 3	
	Track the Amount of Energy Spent in Compressed Air Systems	20	10 10	5	
325120	Industrial Gases				
	Full-Time Energy Manager (c)	152	239	95	
	Set Goals for Improving Energy Efficiency	88 Q	246 9	152 148	 292
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	Q	9	148	292
	Formal Steam Maintenance Program that Includes the Following:	α.	Ŭ	140	200
	Annual Testing of All Steam Traps	Q	9	148	292
	Maintaining a Steam Trap Database	W	11	W	292
	Annual Inspections and Repairs of Steam Leaks	W 320	11 7	W 159	292
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	294	Q	159	
	Process Heating Maintenance Program that Includes the Following:		-		
	Furance Inspections (h)	183	151	153	
	Cleaning of Heat Transfer Equipment (i)	227	107	153	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	109 8	223 325	154 153	
	Identify the Major Energy Consuming Pumps (k)	147	185	153	
	Detect and Control Compressed Air Leaks (I)	261	Q	155	
	Track the Amount of Energy Spent in Compressed Air Systems	281	Q	158	
325181	Alkalies and Chlorine				
	Full-Time Energy Manager (c)	W	11	w	
	Set Goals for Improving Energy Efficiency	W W	21 22	W W	 5
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	10	15	vv 6	5
	Formal Steam Maintenance Program that Includes the Following:	10	10	0	0
	Annual Testing of All Steam Traps	14	8	8	5
	Maintaining a Steam Trap Database	16	6	8	5
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	W 12	21 17	W 7	5
	Use Flue Gas to Preheat Other Equipment or Processes (g)	13	15	, 7	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	12	17	7	
	Cleaning of Heat Transfer Equipment (i)	11	17	8	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	10 4	20 24	6 7	
	Identify the Major Energy Consuming Pumps (k)	14	16	6	
	Detect and Control Compressed Air Leaks (I)	W	11	W	
	Track the Amount of Energy Spent in Compressed Air Systems	19	11	6	
325182	Carbon Black				
	Full-Time Energy Manager (c)	W	4	W	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	W 14	15 W	W W	 16
	Dedicated Staff that Performs Insulation Inspections (e)	Ŵ	6	Ŵ	10
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	9	7	3	14
	Maintaining a Steam Trap Database	14	W	W 3	14
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	3 19	14 10	3	12
	Use Flue Gas to Preheat Other Equipment or Processes (g)	17	12	4	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	W	19	W	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W W	19 19	W W	
	Keep an Inventory of All Motors	Ŵ	18	Ŵ	
	Identify the Major Energy Consuming Pumps (k)	19	9	5	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	W 26	11 3	W 3	
325188	Other Basic Inorganic Chemicals	20	0	5	
	Full-Time Energy Manager (c)	385	81	4	
	Set Goals for Improving Energy Efficiency	233	234	4	
	Measure and Monitor Steam Used (d)	118	151	4	197
	Dedicated Staff that Performs Insulation Inspections (e)	172	99	3	195
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	144	116	14	196
	Maintaining a Steam Trap Database	204	61	14	196

AICS code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Annual Inspections and Repairs of Steam Leaks	33	235	6	196
	Measure Oxygen and Carbon Dioxide Levels (f)	249	196	Q	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	355	110	5	
	Process Heating Maintenance Program that Includes the Following:	00	040	0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	92 157	346 298	Q 15	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	99	363	8	
	Keep an Inventory of All Motors	215	247	8	
	Identify the Major Energy Consuming Pumps (k)	324	119	27	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	306 W	146 94	Q W	
325192	Cyclic Crudes and Intermediates		04		
	Full-Time Energy Manager (c)	W	9	w	
	Set Goals for Improving Energy Efficiency	9	15	0	
	Measure and Monitor Steam Used (d)	W	16	0	W
	Dedicated Staff that Performs Insulation Inspections (e)	W	13	0	W
	Formal Steam Maintenance Program that Includes the Following:	8	11	w	w
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	° W	13	0	Ŵ
	Annual Inspections and Repairs of Steam Leaks	0	W	0	Ŵ
	Measure Oxygen and Carbon Dioxide Levels (f)	Ŵ	13	w	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	W	11	W	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	W	18	w	
	Cleaning of Heat Transfer Equipment (i)	8	16	0	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	5	19 18	0 0	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	o W	13	w	
	Detect and Control Compressed Air Leaks (I)	15	9	0	
	Track the Amount of Energy Spent in Compressed Air Systems	W	4	W	
25193	Ethyl Alcohol				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	150 46	28 129	7 10	
	Measure and Monitor Steam Used (d)	40	123	9	
	Dedicated Staff that Performs Insulation Inspections (e)	77	87	5	16
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	54	101	14	16
	Maintaining a Steam Trap Database	67	72	32	14
	Annual Inspections and Repairs of Steam Leaks	5	156	8	16
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	22 39	149 126	14 20	
	Process Heating Maintenance Program that Includes the Following:	59	120	20	
	Furance Inspections (h)	23	142	20	
	Cleaning of Heat Transfer Equipment (i)	10	165	10	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	19	157	9	
	Keep an Inventory of All Motors	W	174	W	
	Identify the Major Energy Consuming Pumps (k)	72	93	20	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	79 141	91 23	15 21	
325199	Other Basic Organic Chemicals				
	Full-Time Energy Manager (c)	329	90	57	
	Set Goals for Improving Energy Efficiency	159	261	56	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	141 212	197 148	Q 17	102 99
	Formal Steam Maintenance Program that Includes the Following:	212	140	17	99
	Annual Testing of All Steam Traps	122	179	75	99
	Maintaining a Steam Trap Database	158	138	107	73
	Annual Inspections and Repairs of Steam Leaks	32	295	49	99
	Measure Oxygen and Carbon Dioxide Levels (f)	136	263	77	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	286	139	51	
	Process Heating Maintenance Program that Includes the Following:	22			
	Furance Inspections (h)	63 48	336 377	77 51	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	33	397	46	
	Keep an Inventory of All Motors	103	321	52	
	Identify the Major Energy Consuming Pumps (k)	205	185	86	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	305 348	129 82	41 45	
325211	Plastics Materials and Resins				
	Full-Time Energy Manager (c)	595	78	71	
	Set Goals for Improving Energy Efficiency	403	265	76	
	Measure and Monitor Steam Used (d)	226	119	58	342
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	230	104	74	336
	Annual Testing of All Steam Traps	207	123	67	346
	randar roomy or An otean Trape	207	123	07	540

ICS de(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Maintaining a Steam Trap Database	205	93	101	34
	Annual Inspections and Repairs of Steam Leaks	124	193	81	34
	Measure Oxygen and Carbon Dioxide Levels (f)	436	196	112	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	550	91	104	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	274	327	142	
	Cleaning of Heat Transfer Equipment (i)	270	326	148	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	238	404	103	
	Keep an Inventory of All Motors	255	341	148	
	Identify the Major Energy Consuming Pumps (k)	459	168	117	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	358 540	262 81	124 123	
325212	Synthetic Rubber				
	Full-Time Energy Manager (c)	105	16	5	
	Set Goals for Improving Energy Efficiency	67	49	10	
	Measure and Monitor Steam Used (d)	27	22	5	7
	Dedicated Staff that Performs Insulation Inspections (e)	23	28	5	7
	Formal Steam Maintenance Program that Includes the Following:	24	25	5	-
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	24 31	25 16	5	7
	Annual Inspections and Repairs of Steam Leaks	11	38	5	
	Measure Oxygen and Carbon Dioxide Levels (f)	88	26	13	,
	Use Flue Gas to Preheat Other Equipment or Processes (g)	106	12	8	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	76	45	5	
	Cleaning of Heat Transfer Equipment (i)	71	43	12	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	63	56	7	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	69 84	47 24	10 18	
	Detect and Control Compressed Air Leaks (I)	94	19	13	
	Track the Amount of Energy Spent in Compressed Air Systems	104	13	9	
325222	Noncellulosic Organic Fibers				
	Full-Time Energy Manager (c)	W	27	W	
	Set Goals for Improving Energy Efficiency	W	38	W	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	20 29	23 16	4	3
	Formal Steam Maintenance Program that Includes the Following:	29	10	4	2
	Annual Testing of All Steam Traps	W	24	w	3
	Maintaining a Steam Trap Database	23	19	4	3
	Annual Inspections and Repairs of Steam Leaks	W	35	W	3
	Measure Oxygen and Carbon Dioxide Levels (f)	49	23	6	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	54	17	6	
	Process Heating Maintenance Program that Includes the Following:	23	48	6	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	23	48	6	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	20	50	7	
	Keep an Inventory of All Motors	36	35	, 5	
	Identify the Major Energy Consuming Pumps (k)	50	21	6	
	Detect and Control Compressed Air Leaks (I)	W	31	W	
	Track the Amount of Energy Spent in Compressed Air Systems	W	26	W	
325311	Nitrogenous Fertilizers	w	10	w	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	Ŵ	12 33	Ŵ	
	Measure and Monitor Steam Used (d)	Ŵ	30	Ŵ	2
	Dedicated Staff that Performs Insulation Inspections (e)	W	14	Ŵ	2
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	W	19	W	2
	Maintaining a Steam Trap Database	30	13	4	2
	Annual Inspections and Repairs of Steam Leaks	W	35	w	2
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	25 38	40 27	5 4	
	Process Heating Maintenance Program that Includes the Following:	30	27	4	
	Furance Inspections (h)	23	43	4	
	Cleaning of Heat Transfer Equipment (i)	19	47	4	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	17	48	5	
	Keep an Inventory of All Motors	W	50	W	
	Identify the Major Energy Consuming Pumps (k)	43	17	9	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	49 59	17 7	4 4	
325312	Phosphatic Fertilizers				
	Full-Time Energy Manager (c)	49	5	12	
	Set Goals for Improving Energy Efficiency	27	17	21	
	Measure and Monitor Steam Used (d)	12	10	9	3
	Dedicated Staff that Performs Insulation Inspections (e)	15	8	8	3
	Formal Steam Maintenance Program that Includes the Following:				

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Annual Testing of All Steam Traps	12	9	10	33
	Maintaining a Steam Trap Database	17	5	10	33
	Annual Inspections and Repairs of Steam Leaks	W	19	W 10	33
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	32 36	14 9	19 19	
	Process Heating Maintenance Program that Includes the Following:	30	5	15	
	Furance Inspections (h)	14	36	15	
	Cleaning of Heat Transfer Equipment (i)	13	35	18	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	15 25	30 26	21 14	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	25 33	20 18	14	
	Detect and Control Compressed Air Leaks (I)	40	9	15	
	Track the Amount of Energy Spent in Compressed Air Systems	45	6	14	
3254	Pharmaceuticals and Medicines				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	973 722	162 368	Q 88	
	Measure and Monitor Steam Used (d)	597	125	46	409
	Dedicated Staff that Performs Insulation Inspections (e)	550	239	40	345
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	315	416	52	395
	Maintaining a Steam Trap Database	502	217	95	364
	Annual Inspections and Repairs of Steam Leaks	164	555	98	361
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	526 906	440 94	212 178	
	Process Heating Maintenance Program that Includes the Following:	906	94	176	
	Furance Inspections (h)	373	640	165	
	Cleaning of Heat Transfer Equipment (i)	330	684	164	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	292	709	177	
	Keep an Inventory of All Motors	544	482	152	
	Identify the Major Energy Consuming Pumps (k)	837	169	173	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	703 922	313 93	161 163	
325412	Pharmaceutical Preparation				
	Full-Time Energy Manager (c)	503	89	16	
	Set Goals for Improving Energy Efficiency	340	220	Q	
	Measure and Monitor Steam Used (d)	306	68	14	221
	Dedicated Staff that Performs Insulation Inspections (e)	283	146	14	166
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	165	217	21	206
	Maintaining a Steam Trap Database	252	125	58	175
	Annual Inspections and Repairs of Steam Leaks	89	292	Q	178
	Measure Oxygen and Carbon Dioxide Levels (f)	211	275	124	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	448	64	98	
	Process Heating Maintenance Program that Includes the Following:	222	201	0.4	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	233 176	291 352	84 81	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	113	403	93	
	Keep an Inventory of All Motors	322	230	57	
	Identify the Major Energy Consuming Pumps (k)	449	90	70	
	Detect and Control Compressed Air Leaks (I)	346	173	90	
	Track the Amount of Energy Spent in Compressed Air Systems	472	52	85	
325992	Photographic Film, Paper, Plate, and Chemicals				
	Full-Time Energy Manager (c)	115	16	7	
	Set Goals for Improving Energy Efficiency	64	62	12	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	23 43	15 7	10 7	90 81
	Formal Steam Maintenance Program that Includes the Following:	43	,	1	01
	Annual Testing of All Steam Traps	19	20	9	90
	Maintaining a Steam Trap Database	20	21	9	88
	Annual Inspections and Repairs of Steam Leaks	15	26	9	88
	Measure Oxygen and Carbon Dioxide Levels (f)	93	34	10	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	109	16	13	
	Furance Inspections (h)	40	67	31	
	Cleaning of Heat Transfer Equipment (i)	39	64	34	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	42	61	35	
	Keep an Inventory of All Motors	74	25	38	
	I de stife de s Maion Frances Ocasiones Durante (II)	93	12	32	
	Identify the Major Energy Consuming Pumps (k)		23	31	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	84 77	22	38	
326	Detect and Control Compressed Air Leaks (I)				
326	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems				
326	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems PLASTICS AND RUBBER PRODUCTS Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	77 6,813 4,606	22 892 2,852	38 563 810	
326	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems PLASTICS AND RUBBER PRODUCTS Full-Time Energy Manager (c)	6,813	22 892	38 563	 6,368 5,953

AICS code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	732	717	477	6,342
	Maintaining a Steam Trap Database	1,106	328	579	6,255
	Annual Inspections and Repairs of Steam Leaks	577	871	576	6,243
	Measure Oxygen and Carbon Dioxide Levels (f)	6,020	971	1,277	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	6,893	205	1,169	
	Furance Inspections (h)	3,942	3,428	898	
	Cleaning of Heat Transfer Equipment (i)	3,578	3,637	1,053	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	2,858	4,228	1,182	
	Keep an Inventory of All Motors	4,402	2,843	1,023	
	Identify the Major Energy Consuming Pumps (k)	5,500	1,853	915	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	4,153 6,436	3,422 816	693 1,016	
327	NONMETALLIC MINERAL PRODUCTS	0,400	010	1,010	
	Full-Time Energy Manager (c)	9,823	1,064	1,109	
	Set Goals for Improving Energy Efficiency	7,216	3,260	1,521	
	Measure and Monitor Steam Used (d)	2,539	Q	771	8,568
	Dedicated Staff that Performs Insulation Inspections (e)	2,586	Q	883	8,341
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	2,308	149	902	8,638
	Maintaining a Steam Trap Database	2,491	27	848	8,631
	Annual Inspections and Repairs of Steam Leaks	1,574	959	901	8,563
	Measure Oxygen and Carbon Dioxide Levels (f)	8,227	1,366	2,404 1,978	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	9,010	1,009	1,976	
	Furance Inspections (h)	5,188	4,415	2,394	
	Cleaning of Heat Transfer Equipment (i)	5,377	4,413	2,394	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	5,062	4,463	2,471	
	Keep an Inventory of All Motors	5,937	4,314	1,746	
	Identify the Major Energy Consuming Pumps (k)	8,374	1,358	2,265	
	Detect and Control Compressed Air Leaks (I)	7,211	3,117	1,668	
	Track the Amount of Energy Spent in Compressed Air Systems	9,660	531	1,806	
327121	Brick and Structural Clay Tile				
	Full-Time Energy Manager (c)	84	50	22	
	Set Goals for Improving Energy Efficiency	39	99	17	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	14 16	W W	W W	126 122
	Formal Steam Maintenance Program that Includes the Following:	10	vv	vv	122
	Annual Testing of All Steam Traps	13	W	w	128
	Maintaining a Steam Trap Database	14	0	16	126
	Annual Inspections and Repairs of Steam Leaks	13	W	W	128
	Measure Oxygen and Carbon Dioxide Levels (f)	60	68	28	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	33	98	25	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	14	128	Q	
	Cleaning of Heat Transfer Equipment (i)	58	69	28	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	15	126	16	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	34 72	99 59	24 25	
	Detect and Control Compressed Air Leaks (I)	56	77	23	
	Track the Amount of Energy Spent in Compressed Air Systems	101	31	24	
327211	Flat Glass				
	Full-Time Energy Manager (c)	w	13	w	
	Set Goals for Improving Energy Efficiency	W	30	W	
	Measure and Monitor Steam Used (d)	11	W	W	36
	Dedicated Staff that Performs Insulation Inspections (e)	W	0	W	36
	Formal Steam Maintenance Program that Includes the Following:	10/	0	14/	07
	Annual Testing of All Steam Traps	WW	6 4	W W	37 37
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	Ŵ	4	Ŵ	37
	Measure Oxygen and Carbon Dioxide Levels (f)	Ŵ	37	Ŵ	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	12	39	0	
	Process Heating Maintenance Program that Includes the Following:	12	50	5	
	Furance Inspections (h)	7	44	0	
	Cleaning of Heat Transfer Equipment (i)	W	35	W	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	4	47	0	
	Keep an Inventory of All Motors	W	36	W	
	Identify the Major Energy Consuming Pumps (k)	23	24	4	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	W W	22 14	W W	
327212	Other Pressed and Blown Glass and Glassware				
	Full Time Energy Manager (a)	124	32	7	
	Full-Time Energy Manager (c)	124			
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	64 50	89 W	10 W	 102

Formal Statem Maintenance Program that inclusions the Following: 1 2 1 </th <th>AICS ode(a)</th> <th>Energy-Management Activity</th> <th>No Participation</th> <th>Participation(b)</th> <th>Don't Know</th> <th>No Steam Used</th>	AICS ode(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
Areast Tening of Missem Traje Academic 18 24 12 10 Marching Seem Traje Declares 18 24 12 10 Marching Seem Traje Declares 17 28 27 10 Declare Data Data Data Data Data Data Data Dat		Dedicated Staff that Performs Insulation Inspections (e)	51	Q	10	85
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Formal Steam Maintenance Program that Includes the Following:Annual Testing of All Steam Traps12WW16Maintaining a Steam Trap Database14WW16Maintaining a Steam Trap Database135Q16Annual Inspections and Repairs of Steam Leaks135Q16Measure Oxygen and Carbon Dioxide Levels (f)75109Q16Use Flue Gas to Preheat Other Equipment or Processes (g)9391Q16Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)57123Q16Cleaning of Heat Transfer Equipment (i)8981393916Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)49120404112741Identify the Major Energy Consuming Pumps (k)79735757247576767676						
Annual Testing of All Steam Traps12WW16Maintaining a Steam Trap Database14WW16Annual Inspections and Repairs of Steam Leaks135Q16Measure Oxygen and Carbon Dioxide Levels (f)75109Q16Use Flue Gas to Preheat Other Equipment or Processes (g)9391Q16Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)57123Q16Cleaning of Heat Transfer Equipment (i)89813918191204012012040120120401201204012012040120120401201204012012012040120						10
Annual Inspections and Repairs of Steam Leaks135Q16Measure Oxygen and Carbon Dioxide Levels (f)75109QUse Flue Gas to Preheat Other Equipment or Processes (g)9391QProcess Heating Maintenance Program that Includes the Following:75123QFurance Inspections (h)57123QCleaning of Heat Transfer Equipment (i)898139Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)4912040Keep an Inventory of All Motors4112741Identify the Major Energy Consuming Pumps (k)797357Detect and Control Compressed Air Leaks (l)11271QTrack the Amount of Energy Spent in Compressed Air Systems1667QSupport LimeFull-Time Energy Manager (c)7607		Annual Testing of All Steam Traps	12	W	W	16
Measure Oxygen and Carbon Dioxide Levels (f)75109QUse Flue Gas to Preheat Other Equipment or Processes (g)9391QProcess Heating Maintenance Program that Includes the Following: Furance Inspections (h)57123QCleaning of Heat Transfer Equipment (i)898139Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)4912040Keep an Inventory of All Motors4112741Identify the Major Energy Consuming Pumps (k)797357Detect and Control Compressed Air Leaks (l)11271QTrack the Amount of Energy Spent in Compressed Air Systems11667QS27410LimeFull-Time Energy Manager (c)7607						
Use Flue Gas to Preheat Other Equipment or Processes (g) 93 91 Q Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 57 123 Q Cleaning of Heat Transfer Equipment (i) 89 81 39 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 49 120 40 Keep an Inventory of All Motors 41 127 41 Identify the Major Energy Consuming Pumps (k) 79 73 57 Detect and Control Compressed Air Leaks (l) 112 71 Q Track the Amount of Energy Spent in Compressed Air Systems 116 67 Q Support Lime Full-Time Energy Manager (c) 76 0 7						
Process Heating Maintenance Program that Includes the Following: 57 123 Q Furance Inspections (h) 57 123 Q Cleaning of Heat Transfer Equipment (i) 89 81 39 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 49 120 40 Keep an Inventory of All Motors 41 127 41 Identify the Major Energy Consuming Pumps (k) 79 73 57 Detect and Control Compressed Air Leaks (l) 112 71 Q Track the Amount of Energy Spent in Compressed Air Systems 116 67 Q 327410 Lime Full-Time Energy Manager (c) 76 0 7						
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Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems 327410 Lime Full-Time Energy Manager (c) 7 9 1 2 1 12 1 1 6 7 Q 327410 1 2 1 16 6 7 Q 327410 1 2 1 16 1 17 1 18 1		Furance Inspections (h)				
Keep an Inventory of All Motors 41 127 41 Identify the Major Energy Consuming Pumps (k) 79 73 57 Detect and Control Compressed Air Leaks (l) 112 71 Q Track the Amount of Energy Spent in Compressed Air Systems 116 67 Q 327410 Lime Full-Time Energy Manager (c) 76 0 7						
Identify the Major Energy Consuming Pumps (k) 79 73 57 Detect and Control Compressed Air Leaks (l) 112 71 Q Track the Amount of Energy Spent in Compressed Air Systems 116 67 Q 327410 Lime Full-Time Energy Manager (c) 76 0 7						
Detect and Control Compressed Air Leaks (I) 112 71 Q Track the Amount of Energy Spent in Compressed Air Systems 116 67 Q 327410 Lime Full-Time Energy Manager (c) 76 0 7						
327410 Lime Full-Time Energy Manager (c) 76 0 7		Detect and Control Compressed Air Leaks (I)	112	71	Q	
Full-Time Energy Manager (c) 76 0 7			116	67	Q	
6 , 6 ()	327410	Lime				
		Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	76 32	0 39	7 12	

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Measure and Monitor Steam Used (d)	11	W	w	66
	Dedicated Staff that Performs Insulation Inspections (e)	W	0	W	66
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	w	0	w	67
	Maintaining a Steam Trap Database	13	0	6	64
	Annual Inspections and Repairs of Steam Leaks	W	0	W	67
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	23 32	52 43	8 8	
	Process Heating Maintenance Program that Includes the Following:	32	43	0	
	Furance Inspections (h)	25	51	7	
	Cleaning of Heat Transfer Equipment (i)	31	43	9	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	18 17	57 58	8 8	
	Identify the Major Energy Consuming Pumps (k)	51	20	12	
	Detect and Control Compressed Air Leaks (I)	58	18	7	
207400	Track the Amount of Energy Spent in Compressed Air Systems	63	9	11	
327420	Gypsum Full-Time Energy Manager (c)	81	50	7	
	Set Goals for Improving Energy Efficiency	27	106	5	
	Measure and Monitor Steam Used (d)	26	7	6	99
	Dedicated Staff that Performs Insulation Inspections (e)	W	6	W	101
	Formal Steam Maintenance Program that Includes the Following:	27	w	w	102
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	27	W	Ŵ	103 103
	Annual Inspections and Repairs of Steam Leaks	21	12	4	103
	Measure Oxygen and Carbon Dioxide Levels (f)	64	44	Q	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	79	28	Q	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	52	51	Q	
	Cleaning of Heat Transfer Equipment (i)	48	47	44	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	22	74	43	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	18 59	78 47	42 Q	
	Detect and Control Compressed Air Leaks (I)	59	51	Q	
	Track the Amount of Energy Spent in Compressed Air Systems	95	12	Q	
327993	Mineral Wool				
	Full-Time Energy Manager (c)	162	28	13	
	Set Goals for Improving Energy Efficiency	107	88	8	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	29 27	5	11 Q	158 159
	Formal Steam Maintenance Program that Includes the Following:	2.		4	100
	Annual Testing of All Steam Traps	14	19	Q	159
	Maintaining a Steam Trap Database	20 6	10 28	14 Q	159 159
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	133	52	19	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	109	43	52	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	42 58	125 109	Q	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	36 Q	109	Q	
	Keep an Inventory of All Motors	62	117	24	
	Identify the Major Energy Consuming Pumps (k)	135	53	15	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	138 158	49 32	16 13	
331	PRIMARY METALS	100	52	15	
	Full-Time Energy Manager (c)	2,649	411	136	
	Set Goals for Improving Energy Efficiency	1,689	1,132	375	
	Measure and Monitor Steam Used (d)	668	80	143	2,305
	Dedicated Staff that Performs Insulation Inspections (e)	733	120	177	2,166
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	538	195	179	2,285
	Maintaining a Steam Trap Database	634	75	186	2,300
	Annual Inspections and Repairs of Steam Leaks	382	350	189	2,275
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	1,858 2,261	749 461	590 474	
	Process Heating Maintenance Program that Includes the Following:	2,201	401	4/4	
	Furance Inspections (h)	859	1,949	389	
	Cleaning of Heat Transfer Equipment (i)	1,092	1,585	520	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	806 1 345	1,950	440 489	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	1,345 2,109	1,362 614	489 473	
	Detect and Control Compressed Air Leaks (I)	1,881	905	411	
	Track the Amount of Energy Spent in Compressed Air Systems	2,425	393	378	
331111	Iron and Steel Mills				
	Full-Time Energy Manager (c)	W	86	W	

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Set Goals for Improving Energy Efficiency	W	169	w	
	Measure and Monitor Steam Used (d)	W	W	36	264
	Dedicated Staff that Performs Insulation Inspections (e)	W	W	32	256
	Formal Steam Maintenance Program that Includes the Following:	w	w	36	269
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	Ŵ	W	42	269
	Annual Inspections and Repairs of Steam Leaks	Ŵ	Ŵ	31	270
	Measure Oxygen and Carbon Dioxide Levels (f)	W	135	W	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	W	111	W	
	Process Heating Maintenance Program that Includes the Following:	W	253	W	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	Ŵ	253	Ŵ	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	Ŵ	244	Ŵ	
	Keep an Inventory of All Motors	W	W	78	
	Identify the Major Energy Consuming Pumps (k)	251	100	77	
	Detect and Control Compressed Air Leaks (I)	243	119	65	
	Track the Amount of Energy Spent in Compressed Air Systems	295	W	W	
331112	Electrometallurgical Ferroalloy Products				
	Full-Time Energy Manager (c)	WW	4	W	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	w w	10 W	W 0	 16
	Dedicated Staff that Performs Insulation Inspections (e)	Ŵ	W	0	16
	Formal Steam Maintenance Program that Includes the Following:	•••	**	0	10
	Annual Testing of All Steam Traps	W	W	0	16
	Maintaining a Steam Trap Database	W	W	0	16
	Annual Inspections and Repairs of Steam Leaks	W	W	0	16
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	W	7	W W	
	Process Heating Maintenance Program that Includes the Following:		0	**	
	Furance Inspections (h)	W	11	W	
	Cleaning of Heat Transfer Equipment (i)	W	11	W	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	W	13	W	
	Keep an Inventory of All Motors	W 11	W 5	0 4	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	11	5	4	
	Track the Amount of Energy Spent in Compressed Air Systems	15	Ŵ	w	
3312	Steel Products from Purchased Steel				
	Full-Time Energy Manager (c)	327	70	21	
	Set Goals for Improving Energy Efficiency	242	140	36	
	Measure and Monitor Steam Used (d)	101	6	23	288
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	92	30	21	274
	Annual Testing of All Steam Traps	49	62	24	283
	Maintaining a Steam Trap Database	94	22	20	282
	Annual Inspections and Repairs of Steam Leaks	26	83	26	283
	Measure Oxygen and Carbon Dioxide Levels (f)	254	125	39	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	343	33	42	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	146	230	42	
	Cleaning of Heat Transfer Equipment (i)	186	182	49	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	134	241	43	
	Keep an Inventory of All Motors	199	190	28	
	Identify the Major Energy Consuming Pumps (k)	305	68	46	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	274 351	117 32	28 35	
3313	Alumina and Aluminum				
00.0					
	Full-Time Energy Manager (c)	328	54	6	
	Set Goals for Improving Energy Efficiency	215	145	28	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	215 103	145 10	28 9	265
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	215	145	28	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	215 103	145 10	28 9	265
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	215 103 111	145 10 14	28 9 12	265 252
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	215 103 111 94 102 76	145 10 14 15 10 36	28 9 12 13 13 11	265 252 265
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	215 103 111 94 102 76 224	145 10 14 15 10 36 116	28 9 12 13 13 11 48	265 252 265 263 265 265
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	215 103 111 94 102 76	145 10 14 15 10 36	28 9 12 13 13 11	265 252 265 263 265
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	215 103 111 94 102 76 224 257	145 10 14 15 10 36 116 89	28 9 12 13 13 11 48 42	265 252 265 263 265
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	215 103 111 94 102 76 224 257 126	145 10 14 15 10 36 116 89 229	28 9 12 13 13 11 48 42 34	265 252 265 263 265 265
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	215 103 111 94 102 76 224 257	145 10 14 15 10 36 116 89	28 9 12 13 13 11 48 42	265 252 265 263 265
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	215 103 111 94 102 76 224 257 126 172	145 10 14 15 10 36 116 89 229 176	28 9 12 13 13 11 48 42 34 40	265 252 265 263 265
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	215 103 111 94 102 76 224 257 126 172 127 127 154 262	145 10 14 15 10 36 116 89 229 176 228 191 191 79	28 9 12 13 13 11 48 42 34 40 33 44 47	265 252 265 263 265
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	215 103 111 94 102 76 224 257 126 172 127 127	145 10 14 15 10 36 116 89 229 176 228 191	28 9 12 13 13 13 11 48 42 34 40 33 34 44	265 252 265 263 265

331314 Secondary Smelting and Alloying of Aluminum

e(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Full-Time Energy Manager (c)	w	13	W	
	Set Goals for Improving Energy Efficiency	35	40	4	
	Measure and Monitor Steam Used (d)	18	W	W	
	Dedicated Staff that Performs Insulation Inspections (e)	18	W	W	
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	20	W	W	
	Maintaining a Steam Trap Database	18	W	W	
	Annual Inspections and Repairs of Steam Leaks	W	8	W	
	Measure Oxygen and Carbon Dioxide Levels (f)	33	34	12	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	44	28	7	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	15	57	7	
	Cleaning of Heat Transfer Equipment (i)	20	52	7	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	11	59	9	
	Keep an Inventory of All Motors	26	40	13	
	Identify the Major Energy Consuming Pumps (k)	52	15	12	
	Detect and Control Compressed Air Leaks (I)	48	21	10	
	Track the Amount of Energy Spent in Compressed Air Systems	61	7	11	
31315	Aluminum Sheet, Plate and Folls				
	Full-Time Energy Manager (c)	W	17	w	
	Set Goals for Improving Energy Efficiency	24	36	7	
	Measure and Monitor Steam Used (d)	8	W	W	
	Dedicated Staff that Performs Insulation Inspections (e)	12	6	4	
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	6	4	6	
	Maintaining a Steam Trap Database	8	W	W	
	Annual Inspections and Repairs of Steam Leaks	5	7	4	
	Measure Oxygen and Carbon Dioxide Levels (f)	20	33	14	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	36	22	9	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	9	48	10	
	Cleaning of Heat Transfer Equipment (i)	19	34	14	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	10	47	10	
	Keep an Inventory of All Motors	15	42	10	
	Identify the Major Energy Consuming Pumps (k)	37	14	15	
	Detect and Control Compressed Air Leaks (I)	42	14	11	
	Track the Amount of Energy Spent in Compressed Air Systems	51	6	10	
331316	Aluminum Extruded Products				
	Full-Time Energy Manager (c)	115	18	0	
	Set Goals for Improving Energy Efficiency	65	56	12	
	Measure and Monitor Steam Used (d)	W	0	w	
	Dedicated Staff that Performs Insulation Inspections (e)	W	W	0	
	Formal Steam Maintenance Program that Includes the Following:		-		
	Annual Testing of All Steam Traps	W	7	W	
	Maintaining a Steam Trap Database	28	W	W	
	Annual Inspections and Repairs of Steam Leaks	W	15	W	
	Measure Oxygen and Carbon Dioxide Levels (f)	81	39	14	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	77	34	22	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	18	102	13	
	Cleaning of Heat Transfer Equipment (i)	46	73	14	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	24	99	10	
	Keep an Inventory of All Motors	65	55	13	
	Identify the Major Energy Consuming Pumps (k)	79	41	13	
	Detect and Control Compressed Air Leaks (I)	95	31	8	
	Track the Amount of Energy Spent in Compressed Air Systems	109	11	13	
	No. formation Materia, and a formation and				
814	Nonferrous Metals, except Aluminum				
14	Full-Time Energy Manager (c)	513	56	33	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	347	200	55	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	347 163	200 25	55 29	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	347	200	55	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	347 163 179	200 25 28	55 29 35	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	347 163 179 140	200 25 28 43	55 29 35 50	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database	347 163 179 140 161	200 25 28 43 16	55 29 35 50 41	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	347 163 179 140 161 94	200 25 28 43 16 94	55 29 35 50 41 28	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	347 163 179 140 161 94 325	200 25 28 43 16 94 146	55 29 35 50 41 28 131	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	347 163 179 140 161 94	200 25 28 43 16 94	55 29 35 50 41 28	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	347 163 179 140 161 94 325 414	200 25 28 43 16 94 146 72	55 29 35 50 41 28 131	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	347 163 179 140 161 94 325 414 245	200 25 28 43 16 94 146 72 236	55 29 35 50 41 28 131 116 121	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	347 163 179 140 161 94 325 414 245 248	200 25 28 43 16 94 146 72	55 29 35 50 41 28 131 116 121 131	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	347 163 179 140 161 94 325 414 245	200 25 28 43 16 94 146 72 236	55 29 35 50 41 28 131 116 121	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	347 163 179 140 161 94 325 414 245 248	200 25 28 43 16 94 146 72 236 224	55 29 35 50 41 28 131 116 121 131	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	347 163 179 140 161 94 325 414 245 245 248 220	200 25 28 43 16 94 146 72 236 224 281	55 29 35 50 41 28 131 116 121 131 102	
14	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual resting of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	347 163 179 140 161 94 325 414 245 248 220 232	200 25 28 43 16 94 146 72 236 224 281 274	55 29 35 50 41 28 131 116 121 131 102 95	

331419 Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum

ICS de(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Full-Time Energy Manager (c)	65	13	5	-
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	44 24	32 4	6 5	-
	Dedicated Staff that Performs Insulation Inspections (e)	24	4	5	5
	Formal Steam Maintenance Program that Includes the Following:	10	0	0	-
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	16 22	9 W	8 W	5 5
	Annual Inspections and Repairs of Steam Leaks	13	14	6	5
	Measure Oxygen and Carbon Dioxide Levels (f)	47	21	14	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	58	10	14	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	33	36	13	
	Cleaning of Heat Transfer Equipment (i)	34	34	14	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	27	43	12	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	32 49	42 23	7 10	
	Detect and Control Compressed Air Leaks (I)	43 60	12	10	
	Track the Amount of Energy Spent in Compressed Air Systems	64	4	13	
315	Foundries				
	Full-Time Energy Manager (c)	1,159	141	41	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	681 201	468 6	192 46	1,08
	Dedicated Staff that Performs Insulation Inspections (e)	201	22	46 78	1,00
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	161	41	55	1,0
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	180 122	6 69	69 92	1,0 1,0
	Measure Oxygen and Carbon Dioxide Levels (f)	837	219	285	1,0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	969	156	215	
	Process Heating Maintenance Program that Includes the Following:	210	001	101	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	219 351	991 765	131 225	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	203	943	195	
	Keep an Inventory of All Motors	618	479	244	
	Identify the Major Energy Consuming Pumps (k)	892	265	184	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	695 1,024	483 197	163 120	
331511	Iron Foundries				
	Full-Time Energy Manager (c)	277	44	11	
	Set Goals for Improving Energy Efficiency	172	125	35	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Inculation Inspections (e)	60 62	W 0	W 6	26 26
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	62	0	0	20
	Annual Testing of All Steam Traps	61	W	W	2
	Maintaining a Steam Trap Database	53	W	W	20
	Annual Inspections and Repairs of Steam Leaks	49	5	Q	20
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	241 268	39 35	52 29	
	Process Heating Maintenance Program that Includes the Following:	208		29	
	Furance Inspections (h)	69	237	26	
	Cleaning of Heat Transfer Equipment (i)	87	209	35	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	64 93	241 186	28 53	
	Identify the Major Energy Consuming Pumps (k)	211	68	52	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	178 258	132 54	21 20	
331521		230	04	20	
	Full-Time Energy Manager (c)	107	46	9	
	Set Goals for Improving Energy Efficiency	74	68	20	
	Measure and Monitor Steam Used (d)	29	W	W	1:
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	35	W	W	1
	Annual Testing of All Steam Traps	23	w	w	1:
	Maintaining a Steam Trap Database	26	W	W	1:
	Annual Inspections and Repairs of Steam Leaks	21	5	9	1:
	Measure Oxygen and Carbon Dioxide Levels (f)	87 106	49 30	26 26	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	106	30	26	
	Furance Inspections (h)	28	117	17	
	Cleaning of Heat Transfer Equipment (i)	59	85	19	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	36	109	18	
	Keep an Inventory of All Motors	94	42	26	
	Identify the Major Energy Consuming Pumps (k)	110	31	21	
	Detect and Control Compressed Air Leaks (I)	78	63	21	

	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
331524	Aluminum Foundries, except Die-Casting				
	Full-Time Energy Manager (c)	250	17	4	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	114	83 0	74 5	
	Dedicated Staff that Performs Insulation Inspections (e)	36 39	w	W	230 197
	Formal Steam Maintenance Program that Includes the Following:				107
	Annual Testing of All Steam Traps	30	W	W	233
	Maintaining a Steam Trap Database	29	W	W	229
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	24 168	6 36	Q 67	19
	Use Flue Gas to Preheat Other Equipment or Processes (g)	190	30	Q	-
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	36	227	8	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	62 33	157 170	52 67	
	Keep an Inventory of All Motors	141	94	35	
	Identify the Major Energy Consuming Pumps (k)	194	38	39	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	140 199	86 31	Q	
2	FABRICATED METAL PRODUCTS				
	Full-Time Energy Manager (c)	27,051	1,504	3,814	-
	Set Goals for Improving Energy Efficiency	19,055	7,932	5,382	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	6,378 6,716	Q	3,161 3,639	22,78 21,75
	Formal Steam Maintenance Program that Includes the Following:	5,710	Q	5,055	21,75
	Annual Testing of All Steam Traps	5,489	698	3,330	22,85
	Maintaining a Steam Trap Database	6,075	Q	3,177	22,92
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	4,953	1,293	2,963 5,921	23,16
	Use Flue Gas to Preheat Other Equipment or Processes (g)	24,508 25,669	1,940 1,117	5,583	
	Process Heating Maintenance Program that Includes the Following:	20,000	1,117	0,000	
	Furance Inspections (h)	16,842	9,812	5,715	
	Cleaning of Heat Transfer Equipment (i)	16,091	9,745	6,532	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	16,397 18,851	9,259 6,720	6,713 6,798	
	Identify the Major Energy Consuming Pumps (k)	23,677	2,830	5,862	
	Detect and Control Compressed Air Leaks (I)	19,494	7,566	5,309	
	Track the Amount of Energy Spent in Compressed Air Systems MACHINERY	25,359	1,133	5,877	
3	Full-Time Energy Manager (c)	12,516	924	930	_
	Set Goals for Improving Energy Efficiency	8,970	3,620	1,780	
	Measure and Monitor Steam Used (d)	2,869	0	634	10,86
	Dedicated Staff that Performs Insulation Inspections (e)	3,105	12	846	10,40
	Formal Steam Maintenance Program that Includes the Following:	2.608	0	700	10.04
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	2,698 2,788	Q 23	644	10,84 10,91
	Annual Inspections and Repairs of Steam Leaks	2,533	225	920	10,69
	Measure Oxygen and Carbon Dioxide Levels (f)	11,434	790	2,146	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	12,306	Q	1,852	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	6,683	5,414	2,273	
	Cleaning of Heat Transfer Equipment (i)	7,340	4,971	2,059	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	7,576	4,643	2,151	
	Keep an Inventory of All Motors	9,744	2,647	1,979	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	11,770 9,415	658 3,475	1,942 1,480	
	Track the Amount of Energy Spent in Compressed Air Systems	9,415	798	1,717	
	COMPUTER AND ELECTRONIC PRODUCTS				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	5,262 4,270	812 1,626	610 789	
	Measure and Monitor Steam Used (d)	1,041	37	465	5,14
	Dedicated Staff that Performs Insulation Inspections (e)	1,009	94	442	5,13
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	784 830	200 153	445 451	5,25 5,25
	Annual Inspections and Repairs of Steam Leaks	715	256	444	5,27
	Measure Oxygen and Carbon Dioxide Levels (f)	4,492	820	1,373	- /
		5,580	Q	991	
	Use Flue Gas to Preheat Other Equipment or Processes (g)				
	Process Heating Maintenance Program that Includes the Following:	0 107	0.001	1 207	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	3,137 2,993	2,261 2,672	1,287 1.020	
	Process Heating Maintenance Program that Includes the Following:	3,137 2,993 2,600	2,261 2,672 2,922	1,287 1,020 1,162	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	2,993 2,600 4,605	2,672 2,922 1,285	1,020 1,162 795	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	2,993 2,600	2,672 2,922	1,020 1,162	

S M F M U F	Semiconductors and Related Devices Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	070			
S M F M U F	Set Goals for Improving Energy Efficiency	070			
F F U U F		378	35	6	
E F U F	Measure and Monitor Steam Used (d)	221	140	Q	
F L F	De die ste d. Oteff the tr De of source in such the such stienes (s)	102	8	Q	27
N L F	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	92	55	Q	23
N L F	Annual Testing of All Steam Traps	73	44	Q	26
N L	Maintaining a Steam Trap Database	92	26	Q	26
L F	Annual Inspections and Repairs of Steam Leaks	69	50	Q	26
F	Measure Oxygen and Carbon Dioxide Levels (f)	251	82 17	85 73	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	328	17	/3	
	Furance Inspections (h)	143	208	68	
	Cleaning of Heat Transfer Equipment (i)	152	218	Q	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	139	224	Q	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	234 232	117 139	67 47	
	Detect and Control Compressed Air Leaks (I)	232	96	89	
	Track the Amount of Energy Spent in Compressed Air Systems	296	34	89	
85 E	ELEC. EQUIP., APPLIANCES, COMPONENTS				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	2,758 1,803	350 1,123	Q 367	
	Measure and Monitor Steam Used (d)	528	1,123 W	307 W	2,57
[Dedicated Staff that Performs Insulation Inspections (e)	694	Q	Q	2,38
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	399 497	Q W	360	2,4
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	497 357	238	W 260	2,4 2,4
	Measure Oxygen and Carbon Dioxide Levels (f)	2,365	345	584	2,-1
ι	Use Flue Gas to Preheat Other Equipment or Processes (g)	2,684	Q	528	
	Process Heating Maintenance Program that Includes the Following:	4.404			
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	1,461 1,721	1,471 1,074	362 498	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	1,460	1,074	357	
	Keep an Inventory of All Motors	1,986	805	503	
	Identify the Major Energy Consuming Pumps (k)	2,588	404	302	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	2,236 2,833	700 114	358 347	
16	TRANSPORTATION EQUIPMENT				
	Full-Time Energy Manager (c)	5,210	736	323	
	Set Goals for Improving Energy Efficiency	3,447 1,045	2,079 39	745 214	4,97
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	1,045	117	214	4,97 4,82
	Formal Steam Maintenance Program that Includes the Following:	1,040	,	200	-1,02
	Annual Testing of All Steam Traps	861	174	239	4,99
	Maintaining a Steam Trap Database	930	98	302	4,94
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	658 4,101	413 743	223 1,426	4,97
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4,101	163	1,139	
	Process Heating Maintenance Program that Includes the Following:			,	
	Furance Inspections (h)	2,216	2,857	1,197	
	Cleaning of Heat Transfer Equipment (i)	2,383	2,778	1,109	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	2,108 3,020	2,822 1,970	1,340 1,280	
	Identify the Major Energy Consuming Pumps (k)	4,787	750	733	
[Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	3,320 5,312	2,211 348	740 609	
	Automobiles	0,012	0.00		
F	Full-Time Energy Manager (c)	W	10	w	
5	Set Goals for Improving Energy Efficiency	W	24	W	
	Measure and Monitor Steam Used (d)	W	5	W	!
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	W	4	W	Ę
	Annual Testing of All Steam Traps	10	w	w	Į
	Maintaining a Steam Trap Database	11	W	Ŵ	Į
	Annual Inspections and Repairs of Steam Leaks	W	5	W	4
	Measure Oxygen and Carbon Dioxide Levels (f)	39	10	18	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	52	6	10	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	20	28	19	
	Cleaning of Heat Transfer Equipment (i)	20	20	18	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	22	27	19	
ł	Keep an Inventory of All Motors	31	25	12	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	49 38	8 27	11 3	

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Track the Amount of Energy Spent in Compressed Air Systems	54	11	3	
336112	Light Trucks and Utility Vehicles				
	Full-Time Energy Manager (c)	W	10	w	
	Set Goals for Improving Energy Efficiency	W	25	W	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	W 5	3 W	W	31 31
	Formal Steam Maintenance Program that Includes the Following:	5	vv	**	31
	Annual Testing of All Steam Traps	3	3	14	31
	Maintaining a Steam Trap Database	W	W	14	31
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	W 16	4	W 25	31
	Use Flue Gas to Preheat Other Equipment or Processes (g)	Ŵ	4	Ŵ	
	Process Heating Maintenance Program that Includes the Following:	07	10		
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	27 15	10 11	14 24	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	15	11	24	
	Keep an Inventory of All Motors	7	18	25	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	5 29	20 8	25 13	
	Track the Amount of Energy Spent in Compressed Air Systems	W	10	Ŵ	
3364	Aerospace Products				
	Full-Time Energy Manager (c)	776	245	56	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	578 285	399 7	99 13	 772
	Dedicated Staff that Performs Insulation Inspections (e)	247	66	15	749
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	192 240	107 50	12 66	766 721
	Annual Inspections and Repairs of Steam Leaks	159	136	20	761
	Measure Oxygen and Carbon Dioxide Levels (f)	686	201	190	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	886	77	114	
	Furance Inspections (h)	400	568	109	
	Cleaning of Heat Transfer Equipment (i)	487	530	60	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	362 768	611 271	104 38	
	Identify the Major Energy Consuming Pumps (k)	874	151	52	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	650 939	394 107	33 31	
336411			107	01	
	Full-Time Energy Manager (c)	187	73	Q	
	Set Goals for Improving Energy Efficiency	110	150	Q	
	Measure and Monitor Steam Used (d)	81 72	0	0 0	197 197
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	12	0	0	197
	Annual Testing of All Steam Traps	62	17	0	199
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	W 46	14 32	W 7	156 193
	Measure Oxygen and Carbon Dioxide Levels (f)	175	50	Q	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	218	7	Q	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	61	174	43	
	Cleaning of Heat Transfer Equipment (i)	95	161	43	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	67	159	52	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	170 238	103 24	6 Q	
	Detect and Control Compressed Air Leaks (I)	238 W	24 98	Q W	
	Track the Amount of Energy Spent in Compressed Air Systems	243	27	7	
337	FURNITURE AND RELATED PRODUCTS				
	Full-Time Energy Manager (c)	7,180	276	801	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	5,155 1,367	1,786 12	1,316 579	 6,299
	Dedicated Staff that Performs Insulation Inspections (e)	1,320	65	608	6,263
	Formal Steam Maintenance Program that Includes the Following:		_		
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	1,166 1,263	Q 9	541 619	6,511 6,365
	Annual Inspections and Repairs of Steam Leaks	1,203	110	676	6,441
	Measure Oxygen and Carbon Dioxide Levels (f)	6,370	290	1,597	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6,793	Q	1,377	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	4.380	2,062	1,814	
	Cleaning of Heat Transfer Equipment (i)	3,992	2,267	1,998	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	4,203	2,024	2,029	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	5,241 6,206	1,707 539	1,309 1,513	
	Rectary are major Energy concurring r amps (R)	5,200	555	1,010	

Table 8.4 Number of Establishments by Participation in Specific Energy-Management Activities, 2010; 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	No Steam Used
	Detect and Control Compressed Air Leaks (I)	5,444	1,622	1,191	
	Track the Amount of Energy Spent in Compressed Air Systems	6,718	Q	1,446	
339	MISCELLANEOUS				
	Full-Time Energy Manager (c)	11,787	511	1,195	
	Set Goals for Improving Energy Efficiency	8,800	2,873	1,821	
	Measure and Monitor Steam Used (d)	3,286	Q	893	9,290
	Dedicated Staff that Performs Insulation Inspections (e)	2,830	302	893	9,470
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	2,457	240	892	9,905
	Maintaining a Steam Trap Database	2,183	Q	1,284	9,905
	Annual Inspections and Repairs of Steam Leaks	2,040	353	1,043	10,058
	Measure Oxygen and Carbon Dioxide Levels (f)	9,849	577	3,067	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	10,517	50	2,927	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	6,669	3,989	2,836	
	Cleaning of Heat Transfer Equipment (i)	6,951	3,354	3,189	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	6,298	3,688	3,508	
	Keep an Inventory of All Motors	8,258	2,654	2,582	
	Identify the Major Energy Consuming Pumps (k)	10,223	639	2,632	
	Detect and Control Compressed Air Leaks (I)	8,633	2,110	2,752	
	Track the Amount of Energy Spent in Compressed Air Systems	11,032	Q	2,297	

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

(b) This count includes only those establishments that reported this activity for calendar year 2010. (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. (I) The staff or equipment dedicated to detecting and controlling compressed air system leaks.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent. NA=Not available.

-- 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, '2010 Manufacturing

Energy Consumption Survey.

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
		Total United States			
311 - 339	ALL MANUFACTURING INDUSTRIES				
	Full-Time Energy Manager (c)	0.9	5.9	7.1	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	1.7 3.8	3.2 5.7	5.5 7.6	 1.4
	Dedicated Staff that Performs Insulation Inspections (e)	3.8	6.0	7.4	1.5
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	4.5	5.6	7.4	1.4
	Maintaining a Steam Trap Database	4.5	8.6	6.6	1.4
	Annual Inspections and Repairs of Steam Leaks	5.5	4.4	7.2	1.4
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	1.4 1.1	4.1 6.5	4.4 4.7	-
	Process Heating Maintenance Program that Includes the Following:		0.0	4.7	
	Furance Inspections (h)	2.3	2.6	4.6	-
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	2.3 2.4	2.7 2.6	4.4 4.3	-
	Keep an Inventory of All Motors	1.8	3.1	4.8	-
	Identify the Major Energy Consuming Pumps (k)	1.3	5.1	4.8	-
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	1.7 1.0	3.5 7.1	5.2 5.3	-
311	FOOD				
	Full-Time Energy Manager (c)	2.2	13.4	25.7	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	5.8 7.6	7.2 11.8	19.6 20.5	 7.1
	Dedicated Staff that Performs Insulation Inspections (e)	7.9	10.5	20.5	7.5
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	10.4 7.4	8.5 12.8	21.9 18.0	7.0 7.0
	Annual Inspections and Repairs of Steam Leaks	16.7	6.6	24.0	7.1
	Measure Oxygen and Carbon Dioxide Levels (f)	5.5	7.3	17.0	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	2.9	10.8	16.5	
	Furance Inspections (h)	8.7	6.0	14.4	
	Cleaning of Heat Transfer Equipment (i)	9.1	5.7	15.1	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	9.5 7.0	5.5 6.4	15.4 17.4	
	Identify the Major Energy Consuming Pumps (k)	3.4	11.4	17.2	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	4.5 2.4	8.5 14.5	18.7 19.4	
3112	Grain and Oilseed Milling	2			
	Full-Time Energy Manager (c)	2.8	12.6	30.9	
	Set Goals for Improving Energy Efficiency	12.9	10.3	35.3	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	14.3 10.7	11.7 20.0	32.5 25.4	19.8 19.8
	Formal Steam Maintenance Program that Includes the Following:	10.7	20.0	20.4	15.0
	Annual Testing of All Steam Traps	19.6	10.4	28.4	20.1
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	11.7 31.4	16.1 7.2	21.9 31.8	20.1 19.8
	Measure Oxygen and Carbon Dioxide Levels (f)	13.0	10.7	29.4	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4.9	11.5	24.8	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	14.8	9.3	26.2	
	Cleaning of Heat Transfer Equipment (i)	15.5	9.5	24.8	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	15.1	9.0	28.5	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	19.5 8.2	7.8 14.8	37.4 24.9	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	11.9 3.6	10.8 15.8	25.0 24.3	
311221	Wet Corn Milling	3.0	13.0	24.3	
	Full-Time Energy Manager (c)	0.0	0.0	0.0	
	Set Goals for Improving Energy Efficiency	0.0	0.0	0.0	
	Measure and Monitor Steam Used (d)	0.0	0.0	0.0	0.0
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	0.0	0.0	0.0	0.0
	Annual Testing of All Steam Traps	0.0	0.0	0.0	0.0
	Maintaining a Steam Trap Database	0.0	0.0	0.0	0.0
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	0.0 0.0	0.0 0.0	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) Cleaning of Heat Transfer Equipment (i)	0.0 0.0	0.0 0.0	0.0 0.0	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0	
			0.0		
	Keep an Inventory of All Motors	0.0	0.0	0.0	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	

AICS ode(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
31131	Sugar				
	Full-Time Energy Manager (c)	0.0	0.0	0.0	-
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	0.0 0.0	0.0 0.0	0.0 X	- 0.0
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	x	0.0
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	0.0	0.0	X	0.
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	0.0 0.0	0.0 0.0	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	X	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	0.0 0.0	0.0 0.0	0.0 0.0	
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	
114	Fruit and Vegetable Preserving and Specialty Foods				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	5.2 12.3	13.3 12.3	39.3 35.9	
	Measure and Monitor Steam Used (d)	12.3	12.3	35.9 28.2	22.
	Dedicated Staff that Performs Insulation Inspections (e)	13.4	16.5	39.4	24
	Formal Steam Maintenance Program that Includes the Following:				<i></i>
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	16.4 11.3	14.4 14.3	34.5 25.6	22 22
	Annual Inspections and Repairs of Steam Leaks	37.7	9.7	37.8	22
	Measure Oxygen and Carbon Dioxide Levels (f)	14.8	11.3	30.8	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	8.7	17.2	28.2	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	19.3	10.0	28.3	
	Cleaning of Heat Transfer Equipment (i)	23.1	9.3	26.4	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	22.3	8.7	27.7	
	Keep an Inventory of All Motors	14.5 8.7	12.1 20.3	26.3 23.7	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	6.7 12.5	20.3	23.7	
	Track the Amount of Energy Spent in Compressed Air Systems	5.8	27.3	30.2	
115	Dairy Products				
	Full-Time Energy Manager (c)	3.8	12.3	33.7	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	10.7 7.4	8.7 13.1	28.7 24.4	31
	Dedicated Staff that Performs Insulation Inspections (e)	7.3	12.4	28.8	30
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	11.9	9.1	26.6	32
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	7.3 17.9	10.8 5.5	25.7 38.9	31 34
	Measure Oxygen and Carbon Dioxide Levels (f)	14.1	6.7	20.4	04
	Use Flue Gas to Preheat Other Equipment or Processes (g)	6.2	10.3	28.3	
	Process Heating Maintenance Program that Includes the Following:	16.5	6.4	24.7	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	21.2	4.7	26.3	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	20.2	4.7	30.2	
	Keep an Inventory of All Motors	10.6	8.0	22.2	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	5.9 6.6	12.8 10.5	23.9 23.4	
	Track the Amount of Energy Spent in Compressed Air Systems	2.3	12.0	23.3	
116	Animal Slaughtering and Processing				
	Full-Time Energy Manager (c)	3.3	18.9	28.0	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	9.8	8.6	24.5	10
	Dedicated Staff that Performs Insulation Inspections (e)	9.5 10.1	12.9 13.3	25.8 25.1	12 14
	Formal Steam Maintenance Program that Includes the Following:		10.0	20.1	
	Annual Testing of All Steam Traps	14.0	10.9	21.4	13
	Maintaining a Steam Trap Database	9.9 23.7	13.1 8.6	19.2 24.0	13 12
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	23.7	9.0	19.0	12
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4.7	17.1	19.4	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	11.5	8.5	19.8	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	13.3 16.1	7.6 6.5	20.4 20.5	
	Keep an Inventory of All Motors	10.1	8.7	19.3	
	Identify the Major Energy Consuming Pumps (k)	5.1	15.8	20.8	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	7.6 2.9	10.6 15.8	22.6 21.4	
2	BEVERAGE AND TOBACCO PRODUCTS				
	Full-Time Energy Manager (c)	4.2	19.5	41.6	
		4.2	19.5	41.0	

Set Case for Improvement Description (1) 0.1	ICS de(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
Bedicated Staff table Partorms Insulation Registrons (a) 1.2.8 1.7.8 7.7.1 Arrian Insulations and Patients of Semi Lasis 1.3.1 1.3.5 2.3.2 Arrian Insulations and Patients of Semi Lasis 1.3.1 1.3.5 2.3.2 Arrian Insulations and Patients of Semi Lasis 1.3.1 1.3.5 2.3.2 Arrian Insulation Instructions of All Patients (b) 1.3.1 2.3.5 2.3.2 Process Insulation Instructions of All Patients (b) 1.0.1 1.0.5 3.2.5 Process Insulation Instructions of All Patients (b) 1.0.1 1.0.5 3.2.5 Arrian Instructions of All Motions 7.9 1.2.4 3.3.1 1.3.7 3.4.4 Staff Configure Instructions of Patients (Configure Instructions (Configure Instru		Set Goals for Improving Energy Efficiency	9.1	10.4	39.5	-
Aromal Steam Mathematics Program that includes the Following: 15.1 14.2 25.4 Aromal Inspections and Proprint of Seam Lakes 2.3 13.5 22.3 Messare Dorgen and Carbon Dorde Lowes (i) 4.8 13.5 22.3 Messare Dorgen and Carbon Dorde Lowes (i) 4.8 13.5 22.3 Messare Dorgen and Carbon Dorde Lowes (i) 1.3 2.0 2.7 Process Experiments (i) 1.24 6.8 2.8.3 Charming Of Hest Transfer Experiment (i) 1.24 6.8 2.8.3 Other Manual Carbon Compressed Are Systems 1.3 1.8.3 3.8.6 Trans The Aroman of Energy Efficiency 4.4 2.0.3 4.4.4 Messare and Monitor Spars Mark Systems 1.3 1.9.3 3.8.3 Trans The Aroman of Energy Efficiency 4.4 2.0.3 4.4.4 Messare and Monitor Spars Mark Systems 1.3 1.9.3 3.9.3 Trans The Aroman of Energy Efficiency 4.4 2.0.3 4.4.4 Messare and Monitor Spars Mark (i) 1.3 1.9.3 3.9.3 Decidated Efficiency Mark						8.9 9.2
Amust Tasing of All Steam Tagins 15.6 14.8 23.9 Measure Cogen and Catton Dioxide Levels () 1.8 1.8 23.9 Use File Costen Dioxide Levels () 1.8 1.8 23.9 Dioxide Levels () 1.8 1.8 23.9 Dioxide Levels () 1.8 1.8 23.9 Dioxide Levels () 1.7 4.6 23.2 Dioxide Levels () 1.7 4.6 23.2 Dioxide Levels () 1.7 4.6 23.2 Dioxide Levels () 1.4 1.4 3.8 Dioxide Levels () 1.4 1.5 1.5			12.0	17.1	37.1	9
Arrial Inspectors and Caboo Docks event () 2.3 1.5 2.2 Measure Organ and Caboo Docks event () 3.3 2.3 2.5 Durbars Cab by Photo Dub Experiment () 1.2 8.4 2.6 Function Caboragi and Autoo Docks () 1.7 8.4 2.6 Topological Caboragi and Autoo Docks () 1.7 8.4 2.6 Topological Colorangi and Autoo Docks () 1.7 8.4 2.6 Topological Colorangi and Autoo Docks () 1.7 8.4 2.6 Topological Colorangi and Autoo Colorangi and Autoo Colorangi and Autoo Colorangi and Autoo () 1.7 3.4 3.6 Topological Colorangi and Autoo Colorangi and Autoo () 1.7 3.4 3.6 3.6 Topological Colorangi and Autoo () 1.7 3.1 1.8 3.6 3.6 Topological Colorangi and Autoo () 1.7 3.1 1.8 3.6 3.6 Topological Colorangi and Autoo () 1.7 3.1 1.8 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6<		Annual Testing of All Steam Traps				8.
Measure Organ and Carbon Doxide Level () 4.4 3.15 2.27 Use Fluce Sin Prince Office Signment () 10.1 10.0 30.7 Prinzes (repretence ()) 12.4 8.8 28.2 Impacting_Calibrating, and Algoring from the following: 11.1 8.8 28.2 Impacting_Calibrating, and Algoring from the following: 11.2 8.8 28.2 Impacting_Calibrating, and Algoring from the following: 5.4 4.4.3 36.6 Detect and Catted Campresend Art Level () 5.4 4.4.3 36.6 Detect and Catted Campresend Art Level () 13.3 19.3 30.9 Detect and Catted Campresend Art Level () 13.4 26.8 4.4.4 Measure and Mohord Semm () 13.3 19.3 30.9 Provide Semma the Induced Terre Following: 10.0 10.0 10.0 Measure Advice Mohord Semma Terre Domaing: 11.0 10.0 10.0 Measure Advice Mohord Semma Terre Domaing: 10.3 10.5 28.8 Measure Advice Maintence Following: 10.3 10.5 28.8 Measure						8. 8.
Process Heating Maintennes Program that Industs: the Following: Fursace Heating Science Heating Explorement () 101 80.0 20.7 Channes of Heat Transfer Explorement () 111 124 80.2 22.5 Meega Internation of Mathematic Transfer Explorement () 111 125 33.6 Internation of Corresponded A Leads () 121 123 32.6 Track the Amount Changy Specific Correspond A Posteries 31.1 124 124 Set Coalis Origonia Chance Specific Correspond A Posteries 31.4 22.3 4.4.1 Set Coalis Origonia Chance Specific Correspond International Chance Specific Coalis Control Correspond A Posteries 13.0 22.6 33.3 Decision Specific The Portories Explore () 13.0 22.6 33.8 10.0						0.
Funce Impediates (b) 101 100 302 Cleaning of Hast Transfer Equiprent () 114 8.8 22.2 Impacting, Calibration, and Aging Drocess Healing Equipment () 114 15.2 23.5 Identify the Mays Checy, Constraint Pumes (k) 5.4 14.3 36.6 Detet and Control Compressed At Losis () 5.4 14.3 36.6 Set Coals for Improving Energy Impacts 10 10.3 10.3 39.0 Full-Time Energy Manager (c) 4.4 20.3 44.41 36.0 Set Coals for Improving Energy Impacts 10.3 10.3 40.3 40.3 Dedicated Saff that Performs Instalation Inspections () 13.3 10.3 10.3 40.3 Formal Same Mattenscence Propring that Includes the Following: 10.3 10.3 40.3 30.0 Annual Testing of All Seam Trace 10.3 10.3 10.3 40.3 30.0 Manual Testing of All Seam Trace 10.3 10.3 10.3 20.3 22.7 Annual Testing of All Seam Trace 10.3 10.3 10.3		Use Flue Gas to Preheat Other Equipment or Processes (g)	3.3	23.9	29.7	
Clonning of lest Transfer Engingment (i) 12.4 8.8 22.5 Inspecting, Calibrating, and Arging Process Heating Engingment (i) 12.1 8.6 22.5 Internation (and Matons (i) and (i) and (i) 12.1 12.6 31.1 Internation (and Kinesking) 12.1 12.3 31.1 Internation (and Kinesking) 12.4 31.1 32.4 Internation (and Kinesking) 12.4 32.5 34.4 Internation (and Kinesking) 12.4 32.5 34.4 Internation (and Kinesking) 12.4 42.4 32.5 Internation (and Kinesking) 12.3 12.5 42.4 Internation (and Kinesking) 12.3 12.5 42.5 Internation (and Kinesking) 12.3 12.5 33.3 Internation (and Kinesking) 12.3 12.5 33.2 Internation (and Kinesking) 12.4 12.6 12.5 Internation (and Kinesking) 12.4 12.6 12.5 12.5 Internation (and Kinesking) 12.4 12.5 12.5 12.5			10.1	10.0	30.7	
Keep an Inventory of All Motors 7.9 12.4 31.1 Identify the Apprication Compressed Art Let (f) 4.1 15.3 36.3 11 Tract the Annual of Energy Sharin Compressed Art Systems 31.1 18.7 34.4 12.1 February Energy Manager (c) 54 40.4 40.4 44.4 February Energy Manager (c) 30 25.0 33.3 19.3 30.9 Fermid Sharin Maintennoce Program Institution Engoritors (e) 13.3 19.3 30.5 30.5 France Sharin Maintennoce Program Institution Engoritors (e) 13.8 7.9 15.0 25.8 France Sharin Maintennoce Program Institution Engoritors (e) 13.3 19.3 30.5 30.5 Annual Inspections and Repairs of Sharin Leaks 21.6 15.0 23.8 10.5 23.8 10.5 23.8 10.5 23.8 10.5 23.8 10.5 23.8 10.5 23.8 10.5 23.8 10.5 33.7 10.8 30.5 33.7 10.8 32.8 12.5 37.2 12.7 22.2 </td <td></td> <td>1 ()</td> <td></td> <td></td> <td></td> <td></td>		1 ()				
Identify the Major Energy Consuming Pumps (i) 4.1 15.9 36.6 Detect and Control Compressed Ar Leaks (i) 5.4 14.3 36.6 121 Bewagae 1 18.7 34.4 123 Bewagae 4.4 20.3 44.4 124 Bewagae 10.0 4.4 20.3 44.4 125 Ber Coals for Improving Energy Effortion 3.1 10.3 10.9 43.4 125 Decidecade Statt Ar Performs Instalon Impactions (i) 10.3						
Detect and Control Compressed AV Lasks (1) 5.4 14.3 3.66 3121 Everages						
State Security of the strate strate of the strate strate of				14.3		
Full-Tree Energy Manager (c) 44 20.3 44.4 Messure and Monito Remark Definition 94 10.6 43.4 Messure and Monito Remark Definition 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.0		Track the Amount of Energy Spent in Compressed Air Systems	3.1	18.7	34.4	
Set Coals for Improving Energy Efficiency 9.4 10.6 43.3 Measure and Monter Steam Inspections (e) 13.3 13.3 13.3 Paramal Stamm Maintenance Program that Includes the Following: 16.1 7.0 10.5 Annual Testing of All Stam Traps 16.1 7.0 10.5 3.3 Annual Testing of All Stam Traps 16.1 7.0 10.5 3.4 Massure Oxygen and Carbon Dioxide Levels (h) 4.9 15.0 2.5.8 3.12 Process Heating Maintenance Program that Includes the Following: 11.1 12.8 3.2.8 Process Heating Maintenance Program that Includes the Following: 11.1 12.8 3.3.2 Tack the Annual Testing Maintenance Program that Includes the Following: 11.1 12.8 3.3.1 Tack the Annual Testing Maintenance Mark (h) 4.2 16.4 4.3.7 Tack the Annual Testing Maintenance Mark (h) 4.2 16.4 4.3.7 Tack the Annual Testing Maintenance Mark (h) 0.0 0.0 0.0 Set Goals for Improving Energy Efficiency 0.0 0.0 0.0 0.0 0	8121	Beverages				
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Dedicated Staff that Performs Insulation Inspections (e)16.023.036.4Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps18.519.036.2Maintaining a Steam Trap Database15.426.133.5Annual Inspections and Repairs of Steam Leaks30.414.238.8Measure Oxygen and Carbon Dioxide Levels (f)12.016.724.1Use Flue Gas to Preheat Other Equipment or Processes (g)8.227.224.6Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)17.512.920.3Cleaning of Heat Transfer Equipment (i)18.712.121.4Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)21.511.621.4Keep an Inventory of All Motors15.713.822.8Identify the Major Energy Consuming Pumps (k)10.318.429.6Detect and Control Compressed Air Leaks (I)12.515.327.0Track the Amount of Energy Spent in Compressed Air Systems8.024.531.3IMAINTIPE FOULCT MILLSFull-Time Energy Manager (c)12.361.435.8						13
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Maintaining a Steam Trap Database15.426.133.5Annual Inspections and Repairs of Steam Leaks30.414.238.8Measure Oxygen and Carbon Dioxide Levels (f)12.016.724.1Use Flue Gas to Preheat Other Equipment or Processes (g)8.227.224.6Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)17.512.920.3Cleaning of Heat Transfer Equipment (i)18.712.121.4Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)21.511.621.4Keep an Inventory of All Motors15.713.822.8Identify the Major Energy Consuming Pumps (k)10.318.429.6Detect and Control Compressed Air Leaks (l)12.515.327.0Track the Amount of Energy Spent in Compressed Air Systems8.024.531.3Iterring Energy Manager (c)12.361.435.8			10.5	10.0	20.0	10
Annual Inspections and Repairs of Steam Leaks30.414.238.8Measure Oxygen and Carbon Dioxide Levels (f)12.016.724.1Use Flue Gas to Preheat Other Equipment or Processes (g)8.227.224.6Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)17.512.920.3Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)18.712.121.4Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)15.713.822.8Identify the Major Energy Consuming Pumps (k)10.318.429.6Detect and Control Compressed Air Leaks (l)12.515.327.0Track the Amount of Energy Spent in Compressed Air Systems8.024.531.3I4TEXTILE PRODUCT MILLS12.361.435.8						13 13
Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems 8.2 Full-Time Energy Manager (c) 2.2 1.2 2.2 2.2 2.2 2.2 2.2 2.2						13
Process Heating Maintenance Program that Includes the Following: 17.5 12.9 20.3 Furance Inspections (h) 17.5 12.1 21.4 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 21.5 11.6 21.4 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 21.5 11.6 21.4 Keep an Inventory of All Motors 15.7 13.8 22.8 Identify the Major Energy Consuming Pumps (k) 10.3 18.4 29.6 Detect and Control Compressed Air Leaks (l) 12.5 15.3 27.0 Track the Amount of Energy Spent in Compressed Air Systems 8.0 24.5 31.3 I4 TEXTILE PRODUCT MILLS 12.3 61.4 35.8		, o				
Furance Inspections (h) 17.5 12.9 20.3 Cleaning of Heat Transfer Equipment (i) 18.7 12.1 21.4 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 21.5 11.6 21.4 Keep an Inventory of All Motors 15.7 13.8 22.8 Identify the Major Energy Consuming Pumps (k) 10.3 18.4 29.6 Detect and Control Compressed Air Leaks (l) 12.5 15.3 27.0 Track the Amount of Energy Spent in Compressed Air Systems 8.0 24.5 31.3 I4 TEXTILE PRODUCT MILLS 12.3 61.4 35.8			8.2	27.2	24.6	
Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 21.5 11.6 21.4 Keep an Inventory of All Motors 15.7 13.8 22.8 Identify the Major Energy Consuming Pumps (k) 10.3 18.4 29.6 Detect and Control Compressed Air Leaks (l) 12.5 15.3 27.0 Track the Amount of Energy Spent in Compressed Air Systems 8.0 24.5 31.3 Identify the Energy Manager (c) 12.3 61.4 35.8			17.5	12.9	20.3	
Keep an Inventory of All Motors 15.7 13.8 22.8 Identify the Major Energy Consuming Pumps (k) 10.3 18.4 29.6 Detect and Control Compressed Air Leaks (l) 12.5 15.3 27.0 Track the Amount of Energy Spent in Compressed Air Systems 8.0 24.5 31.3 Full-Time Energy Manager (c) 12.3 61.4 35.8						
Identify the Major Energy Consuming Pumps (k) 10.3 18.4 29.6 Detect and Control Compressed Air Leaks (l) 12.5 15.3 27.0 Track the Amount of Energy Spent in Compressed Air Systems 8.0 24.5 31.3 Full-Time Energy Manager (c) 12.3 61.4 35.8						
Detect and Control Compressed Air Leaks (I) 12.5 15.3 27.0 Track the Amount of Energy Spent in Compressed Air Systems 8.0 24.5 31.3 It EXTILE PRODUCT MILLS Full-Time Energy Manager (c) 12.3 61.4 35.8						
TEXTILE PRODUCT MILLS Full-Time Energy Manager (c) 12.3 61.4 35.8		Detect and Control Compressed Air Leaks (I)	12.5	15.3	27.0	
	14		0.0	24.5	01.0	
			12.3	61.4	35.8	
		Set Goals for Improving Energy Efficiency	16.3	34.2	35.8	
Measure and Monitor Steam Used (d)32.436.735.8Dedicated Staff that Performs Insulation Inspections (e)34.036.635.4						17 16

RSE Table 8.4 Relative Standard Errors for Table 8.4; Unit: Percents.

Annual Testing of All Steam Traps

Maintaining a Steam Trap Database

NAICS No Steam Code(a) Don't Know Used Energy-Management Activity No Participation Participation(b) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps 39.8 33.3 35.5 15.2 Maintaining a Steam Trap Database 39.5 37.8 35.5 15.2 Annual Inspections and Repairs of Steam Leaks 41.4 31.7 35.8 15.1 Measure Oxygen and Carbon Dioxide Levels (f) 13.9 574 30.4 ---Use Flue Gas to Preheat Other Equipment or Processes (g) 112 80.6 35.8 ---Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 17.0 31.1 35.8 Cleaning of Heat Transfer Equipment (i) 18.1 35.3 29.0 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 17.0 33.8 32.3 ---Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) 15.4 41.9 31.9 ---10.2 42.8 35.8 ---Detect and Control Compressed Air Leaks (I) 15.6 35.4 35.8 --Track the Amount of Energy Spent in Compressed Air Systems 10.6 62.1 35.8 315 APPARFI Full-Time Energy Manager (c) 8.4 61.9 58.7 ---Set Goals for Improving Energy Efficiency 20.4 36.8 30.5 Measure and Monitor Steam Used (d) 33.0 20.6 80.1 49.9 Dedicated Staff that Performs Insulation Inspections (e) 22.6 424 523 32.9 Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps 31.1 57.2 44.1 32.7 Maintaining a Steam Trap Database 24.8 79.2 50.8 32.8 Annual Inspections and Repairs of Steam Leaks 32.8 50.3 44.1 32.7 Measure Oxygen and Carbon Dioxide Levels (f) 18.7 50.9 30.5 Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: 17.9 57.1 30.7 ---Furance Inspections (h) 22.7 34.5 30.7 Cleaning of Heat Transfer Equipment (i) 27.6 32.2 36.3 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 30.2 36.5 28.7 ___ Keep an Inventory of All Motors 18 7 51.0 32.0 ___ Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) 20 1 44 4 26.0 ---22.2 41.9 28.5 ---Track the Amount of Energy Spent in Compressed Air Systems 18.4 64.0 30.6 316 LEATHER AND ALLIED PRODUCTS 7.3 28.7 50.6 Full-Time Energy Manager (c) ---Set Goals for Improving Energy Efficiency 8.4 23.7 46.9 Measure and Monitor Steam Used (d) 26.2 28.7 20.0 50.6 Dedicated Staff that Performs Insulation Inspections (e) 25.1 27.3 48.2 20.9 Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps 35.1 33.1 48 2 19.8 Maintaining a Steam Trap Database 28.9 17.6 40.8 19.8 Annual Inspections and Repairs of Steam Leaks 37.1 31.2 48 2 19.8 Measure Oxygen and Carbon Dioxide Levels (f) 9.9 37.1 35.2 Use Flue Gas to Preheat Other Equipment or Processes (g) 7.8 х 37.7 ---Process Heating Maintenance Program that Includes the Following: 19.6 31.8 31.1 Furance Inspections (h) ---Cleaning of Heat Transfer Equipment (i) 21.2 29.9 29.9 ---Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 23.1 28.2 28.9 Keep an Inventory of All Motors 11.0 37.3 27.1 Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems 86 24.5 43 5 ---176 33.5 374 ---28.6 7.4 46.6 ---321 WOOD PRODUCTS Full-Time Energy Manager (c) 24 17.5 191 ---Set Goals for Improving Energy Efficiency 5.0 10.9 13.9 Measure and Monitor Steam Used (d) 11.1 9.7 18.3 4.5 Dedicated Staff that Performs Insulation Inspections (e) 10.8 11.0 18.0 5.0 Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps 13.4 12.5 171 44 Maintaining a Steam Trap Database 10.8 18.0 15.8 4.6 Annual Inspections and Repairs of Steam Leaks 17.9 17.1 10.1 4.5 Measure Oxygen and Carbon Dioxide Levels (f) 4.2 10.5 11.2 Use Flue Gas to Preheat Other Equipment or Processes (g) 3.8 9.5 12.6 ---Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) 65 84 124 ---6.8 8.4 11.3 ---Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 8.0 10.7 6.6 ---Keep an Inventory of All Motors 6.4 8.3 13.4 Identify the Major Energy Consuming Pumps (k) 3.9 11.9 12.3 ---Detect and Control Compressed Air Leaks (I) 5.5 9.6 13.3 ---Track the Amount of Energy Spent in Compressed Air Systems 2.9 16.4 13.7 ---321113 Sawmills Full-Time Energy Manager (c) 3.5 13 1 19.6 ---Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) 71 10.5 14.5 10.9 19.3 7.5 9.3 Dedicated Staff that Performs Insulation Inspections (e) 10.8 9.0 18.0 74 Formal Steam Maintenance Program that Includes the Following:

13.3

10.0

8.6

89

18.1

154

7.3

74

ICS de(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Annual Inspections and Repairs of Steam Leaks	16.5	9.9	18.2	7.2
	Measure Oxygen and Carbon Dioxide Levels (f)	6.9	8.2	12.9	-
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.1	11.6	12.8	-
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	9.1	9.5	13.0	-
	Cleaning of Heat Transfer Equipment (i)	9.6	8.9	13.3	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	9.5	8.2	12.5	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	9.3 5.4	8.5 11.3	14.0 12.5	
	Detect and Control Compressed Air Leaks (I)	5.4	9.9	13.4	
	Track the Amount of Energy Spent in Compressed Air Systems	4.5	15.1	13.4	-
3212	Veneer, Plywood, and Engineered Woods				
	Full-Time Energy Manager (c)	1.9	11.2	22.5	-
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	7.2 20.5	16.1 9.5	24.7 27.0	- 7.1
	Dedicated Staff that Performs Insulation Inspections (e)	20.3	13.2	22.9	7.
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	24.6	22.2	19.2	7.
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	18.7 34.9	40.9 17.8	25.2 19.6	8. 7.:
	Measure Oxygen and Carbon Dioxide Levels (f)	7.4	17.8	20.7	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3.6	9.5	19.4	-
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	11.5 11.6	12.4 12.6	20.6 22.8	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	12.3	12.0	18.6	
	Keep an Inventory of All Motors	12.3	12.2	23.3	-
	Identify the Major Energy Consuming Pumps (k)	4.0	11.3	22.0	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	7.0 2.5	16.0 16.2	17.3 16.9	
321219	Reconstituted Wood Products				
	Full-Time Energy Manager (c)	1.3	13.5	13.5	-
	Set Goals for Improving Energy Efficiency	23.7	19.8	44.0	
	Measure and Monitor Steam Used (d)	20.2	16.9	47.1	11.
	Dedicated Staff that Performs Insulation Inspections (e)	24.7	14.4	52.5	22.
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	36.1	14.1	41.5	20.
	Maintaining a Steam Trap Database	27.8	14.3	31.4	20.
	Annual Inspections and Repairs of Steam Leaks	59.1	19.1	46.9	22.6
	Measure Oxygen and Carbon Dioxide Levels (f)	24.9	21.2	33.4	-
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	11.7	15.8	33.6	-
	Furance Inspections (h)	37.3	16.0	37.2	-
	Cleaning of Heat Transfer Equipment (i)	40.3	16.0	37.6	-
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	37.4 33.9	16.6 16.4	37.6 35.6	-
	Identify the Major Energy Consuming Pumps (k)	9.8	16.4	28.1	-
	Detect and Control Compressed Air Leaks (I)	20.8	23.6	32.3	-
	Track the Amount of Energy Spent in Compressed Air Systems	7.8	18.4	29.4	-
219	Other Wood Products				
	Full-Time Energy Manager (c)	3.9 7.8	28.4 17.6	32.5 23.1	-
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	18.2	34.1	32.8	6.1
	Dedicated Staff that Performs Insulation Inspections (e)	17.7	28.3	31.3	7.4
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	20.8 18.4	31.9 51.9	33.8 28.8	6. 6.
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	24.9	24.5	20.0 30.5	6. 6.
	Measure Oxygen and Carbon Dioxide Levels (f)	6.1	26.0	18.4	-
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.9	34.0	19.5	
	Process Heating Maintenance Program that Includes the Following:		10.0	10.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	9.4 10.1	16.2 16.9	18.6 15.8	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	9.6	10.3	15.0	-
	Keep an Inventory of All Motors	9.4	15.1	20.2	-
	Identify the Major Energy Consuming Pumps (k)	6.1	29.2	18.8	-
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	9.1 4.7	15.5 36.4	19.6 23.2	-
22	PAPER				
	Full-Time Energy Manager (c)	4.3	19.3	36.0	
	Set Goals for Improving Energy Efficiency	9.3	13.5	28.5	-
	Management and Manakan Observation 147.15	16.8	10.8	32.5	10.
	Measure and Monitor Steam Used (d)	1 - 1			
	Dedicated Staff that Performs Insulation Inspections (e)	15.1	21.5	29.6	10.
		15.1 20.9	21.5	29.6 33.1	
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database	20.9 16.0	15.5 15.9	33.1 25.1	9. 10.
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	20.9	15.5	33.1	10.8 9.2 10.0 9.2

NAICS
Code(a

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	13.8	11.8	22.1	
	Cleaning of Heat Transfer Equipment (i)	13.5	12.4	20.2	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	15.9	11.3	20.5	
	Keep an Inventory of All Motors	11.7	12.0	27.2	
	Identify the Major Energy Consuming Pumps (k)	6.7	17.8	23.7	
	Detect and Control Compressed Air Leaks (I)	10.5	14.6	23.2	
	Track the Amount of Energy Spent in Compressed Air Systems	5.0	22.9	25.3	
322110	Pulp Mills				
	Full-Time Energy Manager (c)	0.0	0.0 0.0	0.0	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	0.0 0.0	0.0	0.0 0.0	 0.0
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	0.0
	Formal Steam Maintenance Program that Includes the Following:	0.0	0.0	0.0	0.0
	Annual Testing of All Steam Traps	0.0	0.0	0.0	0.0
	Maintaining a Steam Trap Database	0.0	0.0	0.0	0.0
	Annual Inspections and Repairs of Steam Leaks	0.0	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	
	Identify the Major Energy Consuming Pumps (k)	0.0	0.0	0.0	
	Detect and Control Compressed Air Leaks (I)	0.0	0.0	0.0	
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	
322121	Paper Mills, except Newsprint				
	Full-Time Energy Manager (c)	0.0	0.0	0.0	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	0.0 0.0	0.0 0.0	0.0 0.0	 0.0
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	0.0
	Formal Steam Maintenance Program that Includes the Following:	0.0	0.0	0.0	0.0
	Annual Testing of All Steam Traps	0.0	0.0	0.0	0.0
	Maintaining a Steam Trap Database	0.0	0.0	0.0	0.0
	Annual Inspections and Repairs of Steam Leaks	0.0	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:	8.0	0.0	0.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	0.0 0.0	0.0 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	
	Identify the Major Energy Consuming Pumps (k)	0.0	0.0	0.0	
	Detect and Control Compressed Air Leaks (I)	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				
	Full-Time Energy Manager (c)	0.0	0.0	0.0	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	0.0 0.0	0.0 0.0	0.0 0.0	 0.0
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	0.0
	Formal Steam Maintenance Program that Includes the Following:	0.0	0.0	0.0	0.0
	Annual Testing of All Steam Traps	0.0	0.0	0.0	0.0
	Maintaining a Steam Trap Database	0.0	0.0	0.0	0.0
	Annual Inspections and Repairs of Steam Leaks	0.0	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	
	Identify the Major Energy Consuming Pumps (k)	0.0	0.0	0.0	
	Detect and Control Compressed Air Leaks (I)	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				
	Full-Time Energy Manager (c)	0.0	0.0	0.0	
	Set Goals for Improving Energy Efficiency	0.0	0.0	0.0	
	Measure and Monitor Steam Used (d)	0.0	0.0	0.0	0.0
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	0.0
	Formal Steam Maintenance Program that Includes the Following:		<u> </u>	0.0	0.0
	Annual Testing of All Steam Traps	0.0 0.0	0.0 0.0	0.0 0.0	0.0
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	0.0	0.0	0.0	0.0 0.0
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	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:	0.0	5.0	0.0	
	Furance Inspections (h)	0.0	0.0	0.0	
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0	

RSE Table 8.4 Relative Standard Errors for Table 8.4; Unit: Percents.

ode(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	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	
	Identify the Major Energy Consuming Pumps (k)	0.0	0.0	0.0	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	0.0 0.0	0.0 0.0	0.0 0.0	
323	PRINTING AND RELATED SUPPORT	0.0	0.0	0.0	
	Full-Time Energy Manager (c)	2.7	32.0	21.4	
	Set Goals for Improving Energy Efficiency	4.8	15.0	17.8	
	Measure and Monitor Steam Used (d)	14.5	51.2	24.5	
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	14.3	56.9	23.5	
	Annual Testing of All Steam Traps	16.5	49.8	21.3	
	Maintaining a Steam Trap Database	16.4	64.6	19.4	
	Annual Inspections and Repairs of Steam Leaks	17.1	43.3	19.3	
	Measure Oxygen and Carbon Dioxide Levels (f)	4.4	26.3	13.1	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	4.1	38.1	13.2	
	Furance Inspections (h)	6.9	11.3	14.1	
	Cleaning of Heat Transfer Equipment (i)	7.0	11.8	13.1	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	7.4	11.8	12.0	
	Keep an Inventory of All Motors	5.2	15.9	14.9	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	4.1 4.4	25.8 17.6	14.8 17.5	
	Track the Amount of Energy Spent in Compressed Air Systems	3.0	31.3	17.8	
	PETROLEUM AND COAL PRODUCTS				
	Full-Time Energy Manager (c)	3.0	7.4	23.5	
	Set Goals for Improving Energy Efficiency	6.8	5.2	16.2	
	Measure and Monitor Steam Used (d)	7.9	6.0	25.4	
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	8.7	11.9	28.2	
	Annual Testing of All Steam Traps	10.8	9.8	28.8	
	Maintaining a Steam Trap Database	8.4	9.8	27.3	
	Annual Inspections and Repairs of Steam Leaks	16.0	7.4	28.7	
	Measure Oxygen and Carbon Dioxide Levels (f)	7.7 3.5	4.6	11.7	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	3.5	6.1	13.2	
	Furance Inspections (h)	9.9	4.6	14.9	
	Cleaning of Heat Transfer Equipment (i)	10.6	4.3	13.0	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	11.6	3.5	14.2	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	8.2 3.9	5.0 9.1	14.1 11.5	
	Detect and Control Compressed Air Leaks (I)	4.2	10.3	12.8	
	Track the Amount of Energy Spent in Compressed Air Systems	2.5	11.0	13.5	
324110					
324110	Full-Time Energy Manager (c)	0.0	0.0	0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	0.0	0.0	0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)				
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	0.0 0.0	0.0 0.0	0.0 0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Trap Database Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual resting of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual resting of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment to Processes (g)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual resting of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (II) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Trap Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	$\begin{array}{c} 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0$	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Trap B Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual resting of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (II) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Trap Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	$\begin{array}{c} 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0$	
324110	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Asphalt Paving Mixture and Block Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Trap Database Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	

	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Detect and Control Compressed Air Leaks (I)	5.5	13.5	14.6	
324199	Track the Amount of Energy Spent in Compressed Air Systems Other Petroleum and Coal Products	3.6	30.9	16.0	
324199					
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	0.0 0.0	0.0 0.0	0.0 0.0	
	Measure and Monitor Steam Used (d)	0.0	0.0	0.0	0.0
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	0.0
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	0.0	0.0	0.0	0.0
	Maintaining a Steam Trap Database	0.0	0.0	0.0	0.0
	Annual Inspections and Repairs of Steam Leaks	0.0	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) Process Heating Maintenance Program that Includes the Following:	0.0	0.0	0.0	-
	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 Identify the Major Energy Consuming Pumps (k)	0.0 0.0	0.0 0.0	0.0 0.0	
	Detect and Control Compressed Air Leaks (I)	0.0	0.0	0.0	
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	-
25	CHEMICALS				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	3.0 6.6	11.8 7.5	24.1 19.7	-
	Measure and Monitor Steam Used (d)	9.6	9.2	22.0	6.
	Dedicated Staff that Performs Insulation Inspections (e)	8.9	10.6	23.3	7.
	Formal Steam Maintenance Program that Includes the Following:	11.0	10.1	00.0	0
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	11.3 9.7	10.1 9.4	20.2 17.2	6. 6.
	Annual Inspections and Repairs of Steam Leaks	18.1	7.9	20.4	6.
	Measure Oxygen and Carbon Dioxide Levels (f)	5.4	8.4	14.8	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	3.7	9.8	16.0	
	Furance Inspections (h)	8.7	6.5	16.3	
	Cleaning of Heat Transfer Equipment (i)	8.6	6.5	16.4	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	10.0	6.0	16.3	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	7.8 4.9	6.9 10.7	16.8 15.5	-
	Detect and Control Compressed Air Leaks (I)	5.1	10.4	17.2	-
	Track the Amount of Energy Spent in Compressed Air Systems	3.2	14.3	16.7	-
325110	Petrochemicals				
	Full-Time Energy Manager (c)	0.0	0.0	0.0	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	0.0 0.0	0.0 0.0	0.0 0.0	- 0.0
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	0.0
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	0.0	0.0	0.0	0.0
	Annual Inspections and Repairs of Steam Leaks	0.0 0.0	0.0 0.0	0.0 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	
		0.0			
	Process Heating Maintenance Program that Includes the Following:			0.0	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0 0.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	-
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 30.8	0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.0	0.0 0.0 0.0 0.0 0.0 0.0 24.9	
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	0.0 0.0 0.0 0.0 0.0 0.0 0.0 30.8 44.5	0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9	0.0 0.0 0.0 0.0 0.0 0.0 24.9 20.6	
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 30.8 44.5 84.3	0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9 15.8	0.0 0.0 0.0 0.0 0.0 0.0 24.9 20.6 21.0	
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	0.0 0.0 0.0 0.0 0.0 0.0 0.0 30.8 44.5 84.3 55.6	0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9 15.8 14.1	0.0 0.0 0.0 0.0 0.0 0.0 24.9 20.6 21.0 21.0	- - - - - - - - - - - - - - - - - - -
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 30.8 44.5 84.3 55.6 84.3	0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9 15.8 14.1 15.8	0.0 0.0 0.0 0.0 0.0 0.0 24.9 20.6 21.0 21.0 21.0	- - - - - - - - - - - - - - - - - - -
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 30.8 44.5 84.3 55.6 84.3 87.8	0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9 15.8 14.1 15.8 15.4	0.0 0.0 0.0 0.0 0.0 24.9 20.6 21.0 21.0 21.0 21.0	12. 16. 12. 12.
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 30.8 44.5 84.3 55.6 84.3 87.8 87.8	0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9 15.8 14.1 15.8 15.4	0.0 0.0 0.0 0.0 0.0 24.9 20.6 21.0 21.0 21.0 21.0 21.0 21.0	12. 16. 12. 12.
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 30.8 44.5 84.3 55.6 84.3 87.8	0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9 15.8 14.1 15.8 15.4	0.0 0.0 0.0 0.0 0.0 24.9 20.6 21.0 21.0 21.0 21.0	12. 12. 12. 12. 12.
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9 15.8 14.1 15.8 15.4 15.4 15.4 15.4	0.0 0.0 0.0 0.0 0.0 24.9 20.6 21.0 21.0 21.0 21.0 21.0 21.0 20.3 20.4	12. 16. 12. 12. 12.
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 30.8 44.5 84.3 55.6 84.3 87.8 87.8 87.8 10.2 13.1 25.8	0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9 15.8 14.1 15.8 14.1 15.4 15.4 15.4 15.4 15.4 15.4 15.4	0.0 0.0 0.0 0.0 0.0 24.9 20.6 21.0 21.0 21.0 21.0 21.0 21.0 20.3 20.4 20.6	12. 12. 16. 12. 12. 12.
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9 15.8 14.1 15.8 15.4 15.4 15.4 15.4	0.0 0.0 0.0 0.0 0.0 24.9 20.6 21.0 21.0 21.0 21.0 21.0 21.0 20.3 20.4	12. 16. 12. 12. 12.
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 30.8 44.5 84.3 55.6 84.3 87.8 87.8 87.8 10.2 13.1 21.6	0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9 15.8 14.1 15.8 15.4 15.4 15.4 15.4 15.4 15.4 15.4 15.4	0.0 0.0 0.0 0.0 0.0 24.9 20.6 21.0 21.0 21.0 21.0 21.0 21.0 20.3 20.4 20.6 20.6 20.5 20.6	- - - - - - - - - - - - - - - - - - -
325120	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Industrial Gases Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 30.8 44.5 84.3 55.6 84.3 87.8 87.8 87.8 10.2 13.1 13.1 25.8 18.5 39.1	0.0 0.0 0.0 0.0 0.0 0.0 17.0 16.9 15.8 14.1 15.8 15.4 15.4 15.4 15.4 15.4 15.4 15.4 15.4	0.0 0.0 0.0 0.0 0.0 24.9 20.6 21.0 21.0 21.0 21.0 21.0 20.3 20.4 20.6 20.6 20.5	12. 12. 16. 12. 12. 12.

CS e(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
325181	Alkalies and Chlorine				
	Full-Time Energy Manager (c)	0.0	0.0	0.0	
	Set Goals for Improving Energy Efficiency	0.0	0.0	0.0	C
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	0.0 0.0	0.0 0.0	0.0 0.0	(
	Formal Steam Maintenance Program that Includes the Following:	0.0	0.0	0.0	
	Annual Testing of All Steam Traps	0.0	0.0	0.0	
	Maintaining a Steam Trap Database	0.0	0.0	0.0	
	Annual Inspections and Repairs of Steam Leaks	0.0	0.0	0.0	
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0 0.0	0.0 0.0	0.0 0.0	
	Process Heating Maintenance Program that Includes the Following:	0.0	0.0	0.0	
	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 Identify the Major Energy Consuming Pumps (k)	0.0 0.0	0.0 0.0	0.0 0.0	
	Detect and Control Compressed Air Leaks (I)	0.0	0.0	0.0	
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	
25182	Carbon Black				
	Full-Time Energy Manager (c)	0.0	0.0	0.0	
	Set Goals for Improving Energy Efficiency	0.0	0.0	0.0	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	0.0 0.0	0.0 0.0	0.0 0.0	
	Formal Steam Maintenance Program that Includes the Following:	0.0	0.0	0.0	
	Annual Testing of All Steam Traps	0.0	0.0	0.0	
	Maintaining a Steam Trap Database	0.0	0.0	0.0	
	Annual Inspections and Repairs of Steam Leaks	0.0	0.0	0.0	
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0 0.0	0.0 0.0	0.0 0.0	
	Process Heating Maintenance Program that Includes the Following:	0.0	0.0	0.0	
	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 Identify the Major Energy Consuming Pumps (k)	0.0 0.0	0.0 0.0	0.0 0.0	
	Detect and Control Compressed Air Leaks (I)	0.0	0.0	0.0	
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	
25188	Other Basic Inorganic Chemicals				
	Full-Time Energy Manager (c)	5.8	27.4	29.4	
	Set Goals for Improving Energy Efficiency	15.0	14.9	11.6	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	22.1 17.3	18.5 23.5	27.6 11.6	1
	Formal Steam Maintenance Program that Includes the Following:	17.0	20.0	11.0	
	Annual Testing of All Steam Traps	18.5	23.7	36.1	1
	Maintaining a Steam Trap Database	16.1	22.5	13.7	1
	Annual Inspections and Repairs of Steam Leaks	18.3	14.4	16.3	1
	Measure Oxygen and Carbon Dioxide Levels (f)	14.3 6.5	17.4 20.7	57.8 18.0	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	0.5	20.7	16.0	
	Furance Inspections (h)	29.3	9.1	66.6	
	Cleaning of Heat Transfer Equipment (i)	22.2	11.7	35.5	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	32.2	8.8	24.0	
	Keep an Inventory of All Motors	16.6	14.4	39.8	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	8.4 10.9	20.9 22.7	38.0 52.4	
	Track the Amount of Energy Spent in Compressed Air Systems	7.4	29.2	59.1	
25192	Cyclic Crudes and Intermediates				
	Full-Time Energy Manager (c)	0.0	0.0	0.0	
	Set Goals for Improving Energy Efficiency	0.0	0.0	X	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	0.0 0.0	0.0 0.0	X X	
	Formal Steam Maintenance Program that Includes the Following:	0.0	0.0	~	
	Annual Testing of All Steam Traps	0.0	0.0	0.0	
	Maintaining a Steam Trap Database	0.0	0.0	Х	
	Annual Inspections and Repairs of Steam Leaks	X	0.0	X	
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0 0.0	0.0	0.0 0.0	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	0.0	0.0	0.0	
	Furance Inspections (h)	0.0	0.0	0.0	
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	X	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	х	
	Keep an Inventory of All Motors	0.0	0.0	X	
	Identify the Major Energy Consuming Pumps (k)	0.0 0.0	0.0 0.0	0.0	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	X 0.0	
25193	Ethyl Alcohol				
	Full-Time Energy Manager (c)	3.1	14.2	37.5	
		3.1	14.2	37.3	

Decidated Shaft nat Performs Insulation Inspections (a) 8.2 7.5 4.3 1 Formal Steam Municincace Program that Includes the Following: 11.8 6.4 10.7 1 Annual Testing of Al Steam Traps 11.8 6.4 10.7 1 Measure Drogram that Includes 13.1 1.4 4.3 1 Measure Drogram that Includes the Following: 1.1 4.4 4.3 1 Process Healing Maintenance Program that Includes the Following: 1.1 4.4 4.3 1 Function Inspection: (h) 5.5 6.2 1.1 4.4 4.3 1 Process Healing Maintenance Program that Includes the Following: 7.5 1.1 4.4 4.3 1 Full Time Entry Namager (h) 5.5 6.2 1.2 4.5 1 Steff Gorb Entry Sport in Compressed Air System 5.5 2.3 1.3 4.7 4.6.8 Steff Gorb Entry Sport in Compressed Air System 2.3 1.3 4.7 4.8.8 3.6.3 2.2.2 1.3 4.7 4.8.8 3.6.3	CS le(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
Dedicated Staff mic Protone Includion Includion (n) 8.2 7.5 4.3 1 Forme Storm Numerican Program Tarl Includion (n) 14 4.4 10.2 1 Annual Increasion Form Formation Includion (n) 14 14.4 12.5 1 Annual Increasion Formation Formation Includion (n) 14 14.4 12.5 1 Process Inclusion Formation Formation Includion (n) 15.4 1.4 1 1 Process Inclusion Formation Formation Includion (n) 15.4 1.4 1 1 Process Inclusion Formation Formation Includion (n) 1.5 1.4 1 1 Process Inclusion (n) 1.6 1.6 1.5 1.5 1 1.4 Process Inclusion (n) 1.6 1.5 1.5 1.5 1.5 1.5 Staff Other Back Congram Concess (n) 1.5		Set Goals for Improving Energy Efficiency	7.0	2.8	4.3	
Formal Statem Numerators Program that include the Following 10 11 14 17.5 Arrowal Inspections and Populas of Starm Leaks 16.4 17.5 1 Massen Organis of Carbon Docids Insel (1) 3.1 1.4 4.3 Date fract Cost Product One Fourier or Produces (1) 3.0 5.1 4.4 Date fract Cost Product One Fourier or Produces (1) 3.0 5.1 4.4 Parsen Engenders (b) 5.8 4.4 3.2 Consing of Hoff Tronke Engeneers (1) 3.0 5.3 4.3 Kang an Inneuron Compares (A) 5.5 7.1 7.3 Detect and Constance Theorem (2) 5.5 2.1 7.1 Start Fract Annound C Engrit Constance Theorem (2) 5.5 2.1 7.1 Start Fract Annound C Engrit Constance Theorem (2) 5.5 2.2 13.0 4.7 Start Fract Annound C Engrit Constance Theorem (2) 2.3 2.4 4.8 3.3 1 Start Fract Annound C Engrit Constance Theorem (2) 2.3 2.4 4.8 3.3 1 Theorem Engrit Manager (2)						17
Ansal Testing of Al Sheam Tage 11.6 6.4 10.7 1 Meakang Sheam Tage Bases 10.00 10.0 10.0 10.0 10.0 Use Flue Gas Norman Tage Bases 10.0 10.0 10.0 10.0 10.0 Use Flue Gas Norman Tage Bases 10.0 10.0 10.0 10.0 10.0 Construction Mean Trade Data Structure (The Construction Mean Tage Bases) 10.0 10.0 10.0 10.0 Construction Mean Tage Bases 10.0 10.0 10.0 10.0 10.0 Construction Mean Tage Bases 10.0 10.0 10.0 10.0 10.0 Construction Mean Tage Bases 10.0			8.2	7.5	4.3	17
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325222 Noncellulosic Organic Fibers Full-Time Energy Manager (c) 0.0 0.0 0.0 Set Goals for Improving Energy Efficiency 0.0 0.0 0.0 Measure and Monitor Steam Used (d) 0.0 0.0 0.0						
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Measure and Monitor Steam Used (d) 0.0 0.0 0.0						
Deutateu stali inal Penorms insulation inspections (e) 0.0 0.0 0.0						
		Dedicated Staff that Performs insulation inspections (e)	0.0	0.0	0.0	

	ill be fielded in 2015 le 8.4 <u>Relative Standard Errors for Table 8.4</u>; Unit: Percents.	
NAICS Code(a)	Energy-Management Activity	No Participation
	Formal Steam Maintenance Program that Includes the Following:	
	Annual Testing of All Steam Traps	0
	Maintaining a Steam Trap Database	0
	Annual Inspections and Repairs of Steam Leaks	0
	Measure Oxygen and Carbon Dioxide Levels (f)	0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.
	Process Heating Maintenance Program that Includes the Following:	0
	Furance Inspections (h)	0.
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0
	Keep an Inventory of All Motors	0
	Identify the Major Energy Consuming Pumps (k)	0
	Detect and Control Compressed Air Leaks (I)	0
	Track the Amount of Energy Spent in Compressed Air Systems	0
325311	Nitrogenous Fertilizers	
	Full-Time Energy Manager (c)	0
	Set Goals for Improving Energy Efficiency	0

Pharmaceutical Preparation Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	3.1 10.8 13.0 13.8 22.3	15.7 13.7 40.2 20.9 15.0	29.1 54.3 16.9 19.8 19.0	 18.7 22.4 18.5
Pharmaceutical Preparation Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	10.8 13.0	13.7 40.2	54.3 16.9	18.7
Pharmaceutical Preparation Full-Time Energy Manager (c)				
Pharmaceutical Preparation		15 7	20.1	
	0.0	10.0	JU.2	
Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	8.0 5.3	13.9 13.3	30.7 30.2	
Identify the Major Energy Consuming Pumps (k)	6.0	12.7	28.7	
Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	17.6 10.3	8.1 11.4	30.4 29.7	
Cleaning of Heat Transfer Equipment (i)	16.7	8.4	30.0	
Furance Inspections (h)	14.2	8.8	29.9	
	5.0	9.2	25.8	
Measure Oxygen and Carbon Dioxide Levels (f)	10.7	11.0	22.8	
				15.5 15.6
Annual Testing of All Steam Traps	17.0	12.1	40.8	14.3
Formal Steam Maintenance Program that Includes the Following:				
Dedicated Staff that Performs Insulation Inspections (e)	9.8 10.6	29.2 15.5	45.8 47.9	14.4 16.3
				 14.4
Full-Time Energy Manager (c)	2.9	11.2	50.1	
Pharmaceuticals and Medicines				
	0.0	0.0	0.0	
Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	
Identify the Major Energy Consuming Pumps (k)	0.0	0.0	0.0	
Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0	
Furance Inspections (h)	0.0	0.0	0.0	
	0.0	0.0	0.0	
Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0	
Annual Inspections and Repairs of Steam Leaks	0.0	0.0	0.0	0.0
Annual Testing of All Steam Traps Maintaining a Steam Trap Database	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	0.0
Measure and Monitor Steam Used (d)	0.0	0.0	0.0	0.0
Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	0.0	0.0	0.0	
Phosphatic Fertilizers				
Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	
Detect and Control Compressed Air Leaks (I)	0.0	0.0	0.0	
Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0	
Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0	
	0.0	0.0	0.0	
Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0	
Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0	
Annual Inspections and Repairs of Steam Leaks	0.0	0.0	0.0	0.0
				0.0 0.0
Formal Steam Maintenance Program that Includes the Following:		0.0	0.0	0.0
Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	0.0
	0.0 0.0	0.0 0.0	0.0	 0.0
Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	0.0	0.0	0.0	
-				
Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	
Keep an Inventory of All Motors	0.0	0.0	0.0	
Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0	
Process Heating Maintenance Program that Includes the Following:	0.0	0.0	0.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Annount of Energy Spent in Compressed Air Systems Nitrogenous Fertilizes Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Inspections and Repairs of Steam Leaks Measure and Monitor Steam Traps Maintaining a Steam Trap batabase Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections, All Agusting Process Heating Equipment (j) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Reep an Inventory of All Motors Identify the Major Energy Spent in Compressed Air Systems Phosphatic Fertilizers Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep	Furance Inspections (h) 0.0 Cleaning of Hear Transfer Equipment (i) 0.0 Identify the Major Energy Consuming Pumps (k) 0.0 Datest and Control Compressed Air Leaks (i) 0.0 Ntrogenous Fartillezes 0.0 Full-Time Energy Manager (c) 0.0 Set Gado Stor Improving Energy Efficiency 0.0 Measure and Munotor Sheam Used (c) 0.0 Dedicated Staff that Performs Insulation Inspections (e) 0.0 Formal Steam Minitenance Program that Includes the Following: 0.0 Annual Testing of All Steam Traps 0.0 Maintaining 3 Esteam Trap Database 0.0 Maintaining 3 Esteam Trap Database 0.0 Cleaning of Heat Transfer Equipment to Processes (g) 0.0 Use File Cas to Preheat Other Equipment to Processes (g) 0.0 Drocess Heating Process Heating Equipment (j) 0.0 Cleaning of Heat Transfer Equipment (to Process Heating Equipment (j) 0.0 Cleaning of Heat Transfer Equipment (to Process Heating Equipment (j) 0.0 Cleaning of Heat Transfer Equipment (to Process Heating Equipment (j) 0.0 Cleaning of Heat Transfer Equipment (to Process Heating Equipment (j	Function Impactions (h) 00 0.0 Inspecting, Calibrating, and Adjusting Process Houling Exploment (i) 00 0.0 Inspecting, Calibrating, and Adjusting Process Houling Exploment (i) 00 0.0 Detect and Control Compressed Air Leaks (i) 00 0.0 Tack the Anount of Energy Spent in Compressed Air Systems 00 0.0 Nitrogenous Fertilizars 00 0.0 Full-Time Energy Manager (c) 00 0.0 See Coast for Improving Energy Efficiency 00 0.0 Dedicated Saff Intel Performs Insulation Inspections (ie) 00 0.0 Formal Steam Maintenance Porgram that Includes the Following: 00 0.0 Annual Tostegin Calification and Repairs of Steam Leaks 00 0.0 Measure Oxygen and Carbon Dioxide Levels (f) 00 0.0 Devices Cass (f) Maintenance Program that Includes the Following: 00 0.0 Furnace Inspections (h) 00 0.0 0.0 Devices Cass (f) Maintenance Program that Includes the Following: 00 0.0 Furnace Inspections (h) 00 0.0 0.0	Function inspections (h) 0.0 0.0 0.0 Inspecting, Calibrating, and Aplating Process Heating Equipment (i) 0.0 0.0 0.0 Inspecting, Calibrating, and Aplating Process Heating Equipment (i) 0.0 0.0 0.0 Detect and Control Compressed Air Leaks (i) 0.0 0.0 0.0 Nitrogenous Fartilizers 0.0 0.0 0.0 Full Time Energy Manager (c) 0.0 0.0 0.0 Sci Caals for Improving Energy Efficiency 0.0 0.0 0.0 Manabing 3 Sci Caals for Improving Energy Efficiency 0.0 0.0 0.0 Annual Testing of All Steam Traps 0.0 0.0 0.0 Annual Testing of All Steam Traps 0.0 0.0 0.0 Annual Testing of All Steam Traps 0.0 0.0 0.0 Annual Testing of All Steam Traps 0.0 0.0 0.0 Annual Testing of All Steam Traps 0.0 0.0 0.0 Inspecting, Calibrating, and Aplating Process (a) 0.0 0.0 0.0 Process Heating Manager (c) 0.0 <t< th=""></t<>

No Steam Used

0.0 0.0 0.0 --

Don't Know

0.0 0.0 0.0 0.0 0.0

Participation(b)

0.0 0.0 0.0 0.0 0.0

AICS code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Annual Inspections and Repairs of Steam Leaks	37.8	12.4	53.3	21.2
	Measure Oxygen and Carbon Dioxide Levels (f)	19.0	13.1	30.5	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	7.4	12.1	34.5	
	Furance Inspections (h)	17.8	13.0	40.2	
	Cleaning of Heat Transfer Equipment (i)	22.9	11.2	41.7	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	28.2 12.2	10.5 16.4	42.8 45.5	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	6.6	16.4	45.5 38.6	
	Detect and Control Compressed Air Leaks (I)	11.1	18.1	37.5	
	Track the Amount of Energy Spent in Compressed Air Systems	7.0	13.1	39.7	
325992	Photographic Film, Paper, Plate, and Chemicals				
	Full-Time Energy Manager (c)	2.9	14.1	14.1	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	19.0 16.5	20.7 16.6	14.1 14.1	 8.1
	Dedicated Staff that Performs Insulation Inspections (e)	18.0	14.1	14.1	11.0
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	18.3	14.1	14.1	8.1
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	16.9 20.2	15.4 14.1	14.1 14.1	8.5 8.5
	Measure Oxygen and Carbon Dioxide Levels (f)	8.0	19.9	14.1	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3.7	14.1	14.1	
	Process Heating Maintenance Program that Includes the Following:	28.6	15 7	40.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	28.6 29.0	15.7 15.4	48.8 42.9	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	26.6	14.6	42.6	
	Keep an Inventory of All Motors	17.7	20.2	37.9	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	15.0 15.5	16.6 16.4	46.1 48.6	
	Track the Amount of Energy Spent in Compressed Air Systems	16.8	15.2	39.5	
26	PLASTICS AND RUBBER PRODUCTS				
	Full-Time Energy Manager (c)	3.6	21.9	29.3	
	Set Goals for Improving Energy Efficiency	7.2	11.1	24.5	
	Measure and Monitor Steam Used (d)	20.5	32.2	36.8	4.4
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	18.8	30.5	31.5	5.0
	Annual Testing of All Steam Traps	25.5	25.0	32.8	4.4
	Maintaining a Steam Trap Database	20.3	37.9	29.1	4.5
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	30.2 4.8	21.9 20.5	30.4 18.7	4.6
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3.5	35.4	19.9	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	8.6 9.4	9.7 9.2	23.2 21.4	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	9.4 11.4	9.2	21.4 19.9	
	Keep an Inventory of All Motors	7.6	11.2	21.3	
	Identify the Major Energy Consuming Pumps (k)	5.7	14.9	22.9	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	8.1 4.2	9.7 21.5	26.9 21.9	
27	NONMETALLIC MINERAL PRODUCTS	4.2	21.5	21.5	
.,		2.1	20.2	21.2	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	3.1 5.5	20.3 10.6	21.2 18.3	
	Measure and Monitor Steam Used (d)	13.5	59.9	25.7	4.4
	Dedicated Staff that Performs Insulation Inspections (e)	13.2	52.7	24.5	4.6
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	14.3	47.3	24.2	4.3
	Maintaining a Steam Trap Database	14.3	47.3	24.2	4.3
	Annual Inspections and Repairs of Steam Leaks	18.1	23.3	24.0	4.4
	Measure Oxygen and Carbon Dioxide Levels (f)	4.4	15.2	13.8	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	3.7	18.2	15.3	
	Furance Inspections (h)	7.9	8.7	14.1	
	Cleaning of Heat Transfer Equipment (i)	7.6	9.3	13.7	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	8.1	8.6	13.7	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	6.9 4.4	9.0 17.4	16.6 14.0	
	Detect and Control Compressed Air Leaks (I)	5.5	11.4	16.9	
207101	Track the Amount of Energy Spent in Compressed Air Systems	3.2	23.4	16.1	
327121	Brick and Structural Clay Tile		^ -	<u></u>	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	6.8 11.8	6.7 5.7	33.4 44.2	
	Measure and Monitor Steam Used (d)	8.1	4.8	44.2 54.4	5.6
	Dedicated Staff that Performs Insulation Inspections (e)	7.9	4.8	48.3	5.8
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	8.6 8.1	4.8 X	54.4 49.4	5.6 5.6
	Annual Inspections and Repairs of Steam Leaks	8.6	4.8	49.4 54.4	5.6
		8.3	6.4	26.2	
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	0.3	6.3	29.5	

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le(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	30.3	5.8	54.4	
	Cleaning of Heat Transfer Equipment (i)	8.0	6.8	25.1	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	29.0	5.8	48.3	
	Keep an Inventory of All Motors	13.8	5.8	31.2	
	Identify the Major Energy Consuming Pumps (k)	7.4	7.0	29.0	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	8.8 6.2	6.1 8.6	31.3 30.8	
327211	Flat Glass				
,_,_,		0.0		0.0	
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	0.0 0.0	0.0 0.0	0.0 0.0	
	Measure and Monitor Steam Used (d)	0.0	0.0	0.0	0
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	Х	0.0	(
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	0.0	0.0	0.0	(
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	0.0 0.0	0.0 0.0	0.0 0.0	(
	Measure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0	, i
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0 X	
	Process Heating Maintenance Program that Includes the Following:	0.0	0.0		
	Furance Inspections (h)	0.0	0.0	х	
	Cleaning of Heat Transfer Equipment (i)	0.0	0.0	0.0	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	х	
	Keep an Inventory of All Motors	0.0	0.0	0.0	
	Identify the Major Energy Consuming Pumps (k)	0.0	0.0	0.0	
	Detect and Control Compressed Air Leaks (I)	0.0	0.0	0.0	
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	
27212	Other Pressed and Blown Glass and Glassware				
	Full-Time Energy Manager (c)	5.9	21.2	19.3	
	Set Goals for Improving Energy Efficiency	22.3 27.4	15.7 13.2	16.3 17.9	1;
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	27.4 27.0	70.2	16.3	10
	Formal Steam Maintenance Program that Includes the Following:	27.0	70.2	10.5	
	Annual Testing of All Steam Traps	13.2	45.5	29.0	1(
	Maintaining a Steam Trap Database	28.2	13.2	25.8	1(
	Annual Inspections and Repairs of Steam Leaks	49.1	13.3	29.0	10
	Measure Oxygen and Carbon Dioxide Levels (f)	15.6	17.5	29.3	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	10.8	15.7	35.0	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	28.8	16.7	24.4	
	Cleaning of Heat Transfer Equipment (i)	24.4	17.9	22.6	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	31.3 21.6	15.8 17.5	26.3 24.3	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	16.1	36.6	24.3	
	Detect and Control Compressed Air Leaks (I)	17.0	24.6	35.0	
	Track the Amount of Energy Spent in Compressed Air Systems	11.2	26.0	32.4	
327213	Glass Containers				
	Full-Time Energy Manager (c)	0.0	0.0	0.0	
	Set Goals for Improving Energy Efficiency	0.0	0.0	0.0	
	Measure and Monitor Steam Used (d)	0.0	0.0	0.0	(
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	(
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	0.0	0.0	0.0	(
	Maintaining a Steam Trap Database	0.0	0.0	0.0	(
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	0.0 0.0	0.0 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:	0.0	0.0	0.0	
	Furance Inspections (h)	0.0	0.0	0.0	
		0.0		0.0	
	Cleaning of Heat Transfer Equipment (i)	0.0			
	Cleaning of Heat Transfer Equipment (i) Inspecting. Calibrating, and Adjusting Process Heating Equipment (i)	0.0 0.0	0.0 0.0	0.0	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0		
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0	
107015	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0	
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass Full-Time Energy Manager (c)	0.0 0.0 0.0 0.0 0.0 6.8	0.0 0.0 0.0 0.0 0.0 16.3	0.0 0.0 0.0 32.8	
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	0.0 0.0 0.0 0.0 0.0 6.8 10.1	0.0 0.0 0.0 0.0 0.0 16.3 14.1	0.0 0.0 0.0 32.8 24.8	
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	0.0 0.0 0.0 0.0 0.0 0.0 6.8 10.1 27.1	0.0 0.0 0.0 0.0 0.0 16.3 14.1 X	0.0 0.0 0.0 32.8 24.8 32.0	
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	0.0 0.0 0.0 0.0 0.0 6.8 10.1	0.0 0.0 0.0 0.0 0.0 16.3 14.1	0.0 0.0 0.0 32.8 24.8	
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 16.3 14.1 X 12.3	0.0 0.0 0.0 32.8 24.8 32.0 40.0	
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	0.0 0.0 0.0 0.0 0.0 0.0 6.8 10.1 27.1 25.7 30.8	0.0 0.0 0.0 0.0 0.0 16.3 14.1 X 12.3 8.9	0.0 0.0 0.0 32.8 24.8 32.0 40.0 32.1	
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database	0.0 0.0 0.0 0.0 0.0 0.0 6.8 10.1 27.1 25.7 30.8 29.1	0.0 0.0 0.0 0.0 16.3 14.1 X 12.3 8.9 8.9	0.0 0.0 0.0 32.8 32.8 32.0 40.0 32.1 33.1	- ! !
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 16.3 14.1 X 12.3 8.9 8.9 8.9 8.9	0.0 0.0 0.0 32.8 24.8 32.0 40.0 32.1 33.1 35.7	
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 16.3 14.1 X 12.3 8.9 8.9 8.9 8.9 8.9 39.9	0.0 0.0 0.0 32.8 24.8 32.0 40.0 32.1 33.1 35.7 17.5	- ! !
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 16.3 14.1 X 12.3 8.9 8.9 8.9 8.9	0.0 0.0 0.0 32.8 24.8 32.0 40.0 32.1 33.1 35.7	
327215	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Glass Products from Purchased Glass Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 16.3 14.1 X 12.3 8.9 8.9 8.9 8.9 8.9 39.9	0.0 0.0 0.0 32.8 24.8 32.0 40.0 32.1 33.1 35.7 17.5	5 7 5 5 5

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	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	13.7	12.1	23.8	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	10.1 7.5	18.1 14.2	20.8 25.3	
	Detect and Control Compressed Air Leaks (I)	9.9	19.9	23.3	
	Track the Amount of Energy Spent in Compressed Air Systems	7.5	19.0	24.0	
327310	Cements				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	12.6 27.8	13.3 13.7	69.4 67.1	
	Measure and Monitor Steam Used (d)	16.4	13.2	78.0	10
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	15.9	13.2	78.0	1(
	Annual Testing of All Steam Traps	13.2	45.4	73.5	1(
	Maintaining a Steam Trap Database	17.0	13.2 34.2	73.5 73.6	1
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	13.2 26.9	34.2 14.4	73.6	10
	Use Flue Gas to Preheat Other Equipment or Processes (g)	19.6	13.5	73.5	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	38.8	15.1	62.6	
	Cleaning of Heat Transfer Equipment (i)	22.1	13.5	48.6	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	46.2 45.0	14.3 14.2	47.0 37.3	
	Identify the Major Energy Consuming Pumps (k)	20.1	13.6	27.1	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	17.0 15.1	16.6 13.6	69.5 69.3	
		10.1	10.0	00.0	
	Full-Time Energy Manager (c)	0.0	х	0.0	
	Set Goals for Improving Energy Efficiency	0.0	0.0	0.0	
	Measure and Monitor Steam Used (d)	0.0 0.0	0.0 X	0.0 0.0	(
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	0.0	^	0.0	(
	Annual Testing of All Steam Traps	0.0	X	0.0	(
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	0.0 0.0	X X	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) Process Heating Maintenance Program that Includes the Following:	0.0	0.0	0.0	
	Furance Inspections (h)	0.0	0.0	0.0	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0 0.0	0.0 0.0	0.0 0.0	
	Keep an Inventory of All Motors	0.0	0.0	0.0	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	0.0 0.0	0.0 0.0	0.0 0.0	
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	
327420	Gypsum				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	10.0 21.7	13.9 5.8	34.9 30.3	
	Measure and Monitor Steam Used (d)	15.5	13.9	13.9	5
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	15.3	13.9	13.9	Ę
	Annual Testing of All Steam Traps	15.3	13.9	13.9	5
	Maintaining a Steam Trap Database	15.2	13.9	13.9	5
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	15.0 20.9	18.8 13.9	13.9 62.9	ţ
	Use Flue Gas to Preheat Other Equipment or Processes (g)	19.3	13.9	59.3	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	21.9	14.0	52.0	
	Cleaning of Heat Transfer Equipment (i)	14.5	14.1	29.7	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	19.6 22.8	13.9 18.8	30.4 42.1	
	Identify the Major Energy Consuming Pumps (k)	15.8	22.7	59.3	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	16.0 18.3	21.9 13.9	62.0 60.0	
327993	Mineral Wool				
	Full-Time Energy Manager (c)	5.5	20.3	41.7	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	17.3 22.6	19.9 14.5	41.7 45.6	6
	Dedicated Staff that Performs Insulation Inspections (e)	23.4	15.4	50.6	5
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	22.7	26.7	50.6	Ę
	Maintaining a Steam Trap Database	19.5	39.7	39.6	5
	Annual Inspections and Repairs of Steam Leaks	27.8	22.6	50.6	Ę
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	10.5 20.1	23.4 32.9	30.3 42.0	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	49.0 35.3	15.9 16.1	58.3 56.4	
		49.0 35.3 52.4 40.9	15.9 16.1 16.0 21.0	58.3 56.4 56.3 41.2	

NAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	9.1 5.4	18.9 15.5	33.8 41.7	
331	PRIMARY METALS				
	Full-Time Energy Manager (c)	1.3	8.1	9.2	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	3.8 8.4	5.2 6.6	11.1 9.7	2.5
	Dedicated Staff that Performs Insulation Inspections (e)	8.3	10.9	17.6	3.1
	Formal Steam Maintenance Program that Includes the Following:	0.7		10.0	2.0
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	9.7 8.7	11.1 14.1	12.3 8.7	2.6 2.5
	Annual Inspections and Repairs of Steam Leaks	13.3	7.9	16.0	2.8
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	3.5 2.5	6.1 6.1	9.2 11.2	
	Process Heating Maintenance Program that Includes the Following:	2.0	0.1	11.2	
	Furance Inspections (h)	7.0	3.1	11.8	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	5.8 7.6	4.1 3.4	11.1 12.1	
	Keep an Inventory of All Motors	5.5	5.1	10.0	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	2.7 3.4	6.6 5.6	9.6 11.9	
	Track the Amount of Energy Spent in Compressed Air Systems	2.3	9.2	12.1	
331111	Iron and Steel Mills				
	Full-Time Energy Manager (c)	0.0	0.0	0.0	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	0.0 0.0	0.0 0.0	0.0 0.0	 0.0
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	0.0
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	0.0	0.0	0.0	0.0
	Maintaining a Steam Trap Database	0.0	0.0	0.0	0.0
	Annual Inspections and Repairs of Steam Leaks	0.0	0.0	0.0	0.0
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0 0.0	0.0 0.0	0.0 0.0	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	0.0 0.0	0.0 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	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	0.0 0.0	0.0 0.0	0.0 0.0	
	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	
331112	Electrometallurgical Ferroalloy Products				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	0.0 0.0	0.0 0.0	0.0 0.0	
	Measure and Monitor Steam Used (d)	0.0	0.0	0.0 X	0.0
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	х	0.0
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	0.0	0.0	х	0.0
	Maintaining a Steam Trap Database	0.0	0.0	Х	0.0
	Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	0.0 0.0	0.0 0.0	X 0.0	0.0
	Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0	X	0.0	
	Process Heating Maintenance Program that Includes the Following:	0.0	0.0	0.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	0.0 0.0	0.0 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 Identify the Major Energy Consuming Pumps (k)	0.0 0.0	0.0 0.0	X 0.0	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	0.0 0.0	0.0 0.0	X 0.0	
3312	Steel Products from Purchased Steel		0.0	0.0	
	Full-Time Energy Manager (c)	7.8	36.3	25.6	
	Set Goals for Improving Energy Efficiency	12.3	20.3	21.3	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	20.4 20.8	31.1 37.2	26.1 34.7	8.1 8.9
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	22.2 21.0	28.4 47.7	32.4 28.4	8.4 8.4
	Annual Inspections and Repairs of Steam Leaks	34.3	22.7	23.5	8.4
	Measure Oxygen and Carbon Dioxide Levels (f)	11.4	22.2	21.1	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	4.2	27.4	22.6	
	Furance Inspections (h)	21.7	13.4	22.8	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	17.2 24.9	17.1 13.2	21.6 23.3	
	Keep an Inventory of All Motors	15.9	16.2	25.5	
	Identify the Major Energy Consuming Pumps (k)	6.7	24.3	19.3	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	8.9 4.0	18.7 34.9	21.3 20.0	
			21.0		

Full-Time Energy Manager (c)0.83.89.6Set Goals for Improving Energy Efficiency3.74.712.9Measure and Monitor Steam Used (d)30.05.08.7Dedicated Staff that Performs Insulation Inspections (e)27.94.19.2Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Trap Database30.410.012.2	CS le(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Stean Used
Set Cools for importing Energy Efficiency 37 47 29 Massue and Moniter Stamin Leg (1) mathement (1) 29 4.1 29 Amal Testing (1) Stamin Test (1) 29 4.1 29 Amal Testing (1) Stamin Test (1) 34 10.5 23 Amal Testing (1) Stamin Test (1) 34 10.5 23 Massue and Mathemene (1) 34 10.5 23 Massue (1) Stamin Test (1) 34 10.5 33 Test (1) Stamin (1) 10.5 10.5 10.5 10.5 Stamin (1) Stamin (1) 10.5 10.5 10.5 10.5 Test (1) Stamin (1) Stamin (1) Stamin (1) Stamin (1) 10.5 10.5 10.5 Test (1) Stamin (1) Stami	313	Alumina and Aluminum				
Messare and Motions Same Up 300 6.8 8.7 Decided Same Time Nations Inscriptions () 27.9 6.5 12.1 Marcineling as Same Trap Endows the Following: 29 6.5 12.1 Marcineling as Same Trap Endows the Following: 29 6.5 12.1 Marcineling as Same Trap Endows the Following: 20 12.1 12.1 Process Healing Membrance Program that Houlds the Following: 20 12.1 12.1 Case of Same and Adjusting Plocess Healing Guijament () 7.4 3.8 12.2 Case of Same and Adjusting Plocess Healing Guijament () 7.4 3.8 12.3 Case of Same and Adjusting Plocess Healing Guijament () 7.4 3.8 12.3 Track the Administion Program (n) 1.4 1.6 12.3 Track the Administion Program (n) 1.4 1.6 12.3 State Same and Adjusting of Aluminum 1.4 1.6 1.0 1.0 Full Three Energy Manager () 0 0 0 0.0 0 0.0 0 0.0 0.0 0.0 0.0						
Decided Staff that Performs insulation to food the set of the set						-
Formal Stam Maintenance Program that includes the Following 20 6.5 1.1 Armal Importants and Repairs of Stam Loads 44.8 6.5 1.2 Manual Importants and Repairs of Stam Loads 44.8 6.5 1.2 Manual Importants and Repairs of Stam Loads 44.8 6.5 1.2 De Fue Data Data Data Polation Important and Important and Polation Important 2.4 2.8 1.2 Cheming of Heat Transfer Equipment of Important and Polation Important 2.4 2.8 1.2 Cheming of Heat Transfer Equipment of Important and Polation Important 2.4 2.6 1.2 Cheming of Heat Transfer Equipment of Important 2.4 2.6 1.2 1.2 State And Chemin O Cheming of Theat Transfer Angel Polation Important Polation Importan						1
An utal Testing of All Steem Traje 32.9 6.5 1.1 Mainstaining Steem Traje Steem Traje 30.4 6.7 7.5 Use Flue Gas Develop Offer Supprent of Norsesse (g) 2.4 2.8 1.3 Process Heating Mainteen Program that Includes the Floking: 7.2 4.8 1.23 Censity of Heat Transfer Equipment (h) 7.4 3.8 1.23 Inceptenting, Calibrating, and Allysing Process Heating Equipment (h) 2.4 2.5 1.23 Inceptenting, Calibrating, and Allysing Process Heating (Gas Process) 3.8 1.5 1.3 Stating Frank Stating and Alloying of Aluminum 2.4 5.5 1.23 Stating Transfer Alemand Frank Stating and Alloying of Aluminum 1.8 8.9 1.0 Frank Transfer Alemand Heating and Alloying of Aluminum 0.0 0.0 0.0 Process Heating and Alloying of Aluminum 0.0 0.0 0.0 Process Heating and Alloying of Aluminum 0.0 0.0 0.0 Stating Transfer Alemand Heating Heating Alemand Heating Heating Heating Heating Heating Heating Heating Heating Heating			27.5	4.1	5.2	1
Anical Injections and Repairs of Steam Lesis 0.0.8 6.5 9.3 Measure Corpus and Schen Costania 2.4 2.4 1.3 Development and Schen Costania 2.4 2.4 1.3 Prices Priseing Mainsen Costania 2.4 2.4 1.3 Cleaning of Intel Transfer Fugurent () 2.4 2.5 7.7 5.5 Development () Consuming Primes (N) 2.5 7.7 5.5 5.5 Track the Amount of Energy Many Spent in Compressed Air Systems 3.8 1.0 3.0 3.0 Track the Amount of Energy Menny Spent in Compressed Air Systems 0.0 0.0 0.0 0.0 Secondation Repairs (Shang Topics) 0.0 0.0 0.0 0.0 0.0 Development Compress (Shang Topics) 0.0 0.0 0.0 0.0 0.0 Secondation Repairs (Shang Topics) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0			32.9	6.5	12.1	1
Messure Oxygen and Chair Doxide Levels (1) 3.6 5.7 5.5 Use Flue Case Pechasi Otter Signify Flattering Flattering (1) 7.2 8.4 7.1 Chairing Case Pechasi Otter Signify Flattering (1) 7.4 3.6 7.7 Chairing of Lattering (1) 7.4 3.6 7.1 Chairing of Lattering (1) 2.4 2.6 7.3 Chairing of Lattering (1) 2.4 2.6 7.3 Statis Exercise (1) 2.6 0.0 0.0 0.0 Statis Exercise (1) 0.0 0.0 0.0 0.0 Statis Exercise (1) 0.0 0.0 0.0 0.0 Statis Exercise (1) 0.0 0.0 0.0 0.0 Premit Statis Exercise (1) 0.0 0.0 0.0 0.0 Charling of						1
Uber Plac Gain's Defense Other Equipment of Nonesses (i) 2.4 2.8 1.31 Process Independent Multicities of Polosying 2.4 3.8 1.23 Independent Multicities of Polosying Process Heating Equipment () 2.4 1.53 1.54 Independent Multicities 2.4 1.53 1.54 1.55 Independent Multicities 2.4 1.53 1.54 1.55 Independent Multicities 2.4 1.53 1.54 1.55 Independent Multicities 2.5 7.2 3.51 1.55 Statid Account of Energy Sport in Compressed Air Systems 1.8 8.9 1.07 Statid Multicities 2.60 0.0 0.0 0.0 Measure and Multicities Multicitie						1
Process Heating Materianzes Program that Includes the Following: Products Provided Process Heating Equipment () Products Provided Process Heating Equipment () Products Products Provided Process Heating Equipment () Products Pro						
Function Imposition (h) 22 3.8 12.1 Caparing of the Transfer Equiprime (h) 2.4 6.3 10.3 Manage and Normaly of Motions 2.3 7.7 3.5 Detect and Control Correns See Mark (h) 2.4 5.6 12.3 Stati Mark (F) and Motions 2.4 5.6 12.3 Stati Mark (F) and Motions 2.4 5.6 12.3 Stati Mark (F) and Motions (F) and (F)		1 1 (6)	2.4	2.0	13.1	
Image Calibrating and Adjaining Process Heating Equipment (i) 7.4 3.9 12.3 Reep an Investory of All Moless 2.4 15.3 16.4 Identify the Major Energy Consuming Pures (i) 2.5 7.7 8.5 STATE Abcordary Sharit in Compressed Air Systems 1.8 8.0 10.7 STATE Abcordary Sharit in Compressed Air Systems 0.0 0.0 0.0 Set Coals for Improving Energy Hilling and Major of Aluminum 0.0 0.0 0.0 Set Coals for Improving Energy Hilling and Major of Aluminum 0.0 0.0 0.0 Decidenced Station Inspections: and Popies Inspections: and Po			7.2	3.8	12.1	
Nonegia n limitaty of Al Motors 20.4 16.3 10.4 Identify the Kip Empty Consuming Purps (k) 2.5 7.7 3.5 Disect and Control Compressed Al System 1.8 5.9 10.7 37317 Secondary Stratting and Alloying of Aluminum 0 0 0 Full Time Energy Manage (c) 0.6 0.0 0.0 Object Const for Monor Sharm Tigs 0.6 0.0 0.0 Period Times Materiance Program Table (c) 0.6 0.0 0.0 Measure on Monor Sharm Tigs 0.6 0.0 0.0 Annual Tables of All System 0.0 0.0 0.0 Annual Tables of All System Tigs 0.0 0.0 0.0 Annual Tables of All System Tigs 0.0 0.0 0.0 Annual Tables of All System Tigs 0.0 0.0 0.0 Construct Control Diode Levels (h 0.0 0.0 0.0 Diver Filter Stratting Mathing Processes (h) 0.0 0.0 0.0 Diver Filter Stratting Mathing Processes (h) 0.0 0.0 0.0 <						
timely the Major Energy Consuming Purpse (i) 2.5 7.7 9.5 Track the Amount of Energy Spering in Comparison Air Systems 1.8 5.0 10.7 S1314 Excenting Spering in Comparison Air Systems 1.8 5.0 10.7 S1314 Excenting Spering in Comparison Air Systems 0.0 0.0 0.0 Decision Specific Manager (c) 0.0 0.0 0.0 0.0 Decision Specific Manager (c) 0.0 0.0 0.0 0.0 Arrand Tange (d) Manager (c) 0.0 0.0 0.0 0.0 Arrand Tange (d) Manager (d) Manager (d) 0.0 0.0 0.0 0.0 Arrand Tange (d) Manager (d) Manager (d) 0.0 0.0 0.0 0.0 Arrand Tange (d) Manager (d) 0.0 0						
Detect and Control Compressed Ar Loads (i) 2.4 5.6 12.3 State the Annual Control Compressed Ar Systems 1.8 8.9 10.7 State Control Compressed Ar Systems 0.0 0.0 0.0 State Control Compressed Ar Systems 0.0 0.0 0.0 State Control Compress Path Includes the Following: 0.0 0.0 0.0 Annual Team of All Seam Tape 0.0 0.0 0.0 Annual Team of All Seam Tape 0.0 0.0 0.0 Annual Team of All Seam Tape 0.0 0.0 0.0 Manituming Seam Tap Collasses 0.0 0.0 0.0 Manituming Control Compress All All Collasses 0.0 0.0 0.0 Process Heating Manitamone Program tain Collasses (i) 0.0 0.0 0.0 Process Heating Manitamone Program tain Collasses (i) 0.0 0.0 0.0 Process Heating Manitamone Program tain Collasses (i) 0.0 0.0 0.0 Process Heating Manitamone Program tain Collasses (i) 0.0 0.0 0.0 Rese in Inventory Control Introduce Tap Co						
Tack the Amount of Energy Spent in Compressed Ari Systems 1.8 8.9 10.7 33314 Secondary Smelling and Aloying of Aluminum 0 0.0 0.0 Set Coals for Improving Energy Efficiency 0 0.0 0.0 0.0 Messure and Monitor Stemm Unsaid (not Importants (not						
Full-Time Energy Manager (r) 00 00 00 Set Goals for Improving Energy Efficiency 00 00 00 Designed Set Inter Performs Inscription Inscriptions (n) 00 00 00 Designed Set Inter Performs Inscription Inscriptions (n) 00 00 00 Arread Transport 100 00 00 00 Meanser Department Charge Department Includes the Following: 00 00 00 Process Healthy Maintenance Program that Includes the Following: 00 00 00 Process Healthy Maintenance Program that Includes the Following: 00 00 00 Process Healthy Maintenance Program that Includes the Following: 00 00 00 Process Healthy Maintenance Program that Includes the Following: 00 00 00 Process Healthy Maintenance Program that Includes the Following: 00 00 00 Stat Goals for Improving Formary Character Areas Program that Includes the Following: 00 00 00 Stat Goals for Improving Formary State (n) 00 00 00 00 Stat Goals for Im						
Set Casils for Improving Energy Efficiency 0.0 0.0 0.0 Messure and Machine Sets (Program Bal Includes the Following: 0 0 0 Maintaining a Steam Trap Database 0.0 0.0 0.0 Maintaining a Steam Trap Database 0.0 0.0 0.0 Maintaining a Steam Trap Database 0.0 0.0 0.0 Massure Oxygen and Carbon Dixode Levels (I) 0.0 0.0 0.0 Due Efficie Casi Orhensic Office Quipment (I) 0.0 0.0 0.0 Resure Oxygen and Carbon Dixode Levels (I) 0.0 0.0 0.0 Inspecting, Calibrating, and Aguesting Process Heating Equipment (I) 0.0 0.0 0.0 Casing of Heat Transfer Equipment (I) 0.0 0.0 0.0 0.0 Inspecting, Calibrating, and Aguesting Process Heating Equipment (I) 0.0 0.0 0.0 0.0 Detect and Carbon Oxing Carbon Program Bal Includes Following: 0.0 0.0 0.0 Track the Anoant of Energy Segnal In Compressed Al Essis (I) 0.0 0.0 0.0 0.0 0.0 0.0 <td< td=""><td>31314</td><td>Secondary Smelting and Alloying of Aluminum</td><td></td><td></td><td></td><td></td></td<>	31314	Secondary Smelting and Alloying of Aluminum				
Measure and Mohinor Sheam Liked (a) 0 0.0 0.0 Dedicated Stirth Ar Performs Insulation inspections (a) 0 0 0 Armual Inspections and Repairs of Sheam Lakis 0.0 0.0 0.0 Armual Inspections and Repairs of Sheam Lakis 0.0 0.0 0.0 Messure Oxygen and Carton Dioxide Levels (f) 0.0 0.0 0.0 Use Fue Gas to Penear Other Equipment (a) 0.0 0.0 0.0 Process Healing Maintenance Program that Induces the Following: 0.0 0.0 0.0 Furance Inspection (1) 0.0 0.0 0.0 0.0 Construint Of Healing Spectific Scipment (a) 0.0 0.0 0.0 Elevel And Control Compressed Ari Lakis (f) 0.0 0.0 0.0 Dedicated Stirth Performs Perform						
Decicated Staff that Performs insulation inspections (e) 0.0 0.0 0.0 Arnual Testing of All Stem Traps 0.0 0.0 0.0 Muntation assem Trap Database 0.0 0.0 0.0 Muntation assem Trap Database 0.0 0.0 0.0 Muntation assem Trap Database 0.0 0.0 0.0 Value File Cost Dethest Offen Equipment (f) 0.0 0.0 0.0 Clearing of test Transfer Equipment (f) 0.0 0.0 0.0 Clearing of test Transfer Equipment (f) 0.0 0.0 0.0 Track the Annount of Energy Spent in Compressed Air Systems 0.0 0.0 0.0 Staff as The Energy Manage (c) 0.0 0.0 0.0 0.0 Performa Stam Minitenance Program that Includes the Following: 0.0 0.0 0.0 0.0 Track the Annount of Energy Spent in Compressed Air Systems 0.0 0.0 0.0 0.0 Staff as Energy Manage (c) 0.0 0.0 0.0 0.0 0.0 0.0 Performal Stama Minitenance Program that Includes <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
Formal Steam Maintanance Program that includes the Following: 00 00 00 Annual Terg of All Steam Trap Database 00 00 00 Annual Inceptions and Repairs of Steam Lasks 00 00 00 Annual Inceptions and Repairs of Steam Lasks 00 00 00 Process Healt Quality Constraints of Annual Inceptions (h) 00 00 00 Cleaning of Heal Tonsife Equipment (i) 00 00 00 Detect and Control Compressed Air Lasks (i) 00 00 00 Detect and Control Compressed Air Lasks (i) 00 00 00 Set Casts In Process Heading Equipment (i) 00 00 00 Detect and Control Compressed Air Lasks (i) 00 00 00 Track the Anount of Energy Efficiency 00 00 00 Measure and Monitor Steam Lask 00 00 00 00 Set Casts Inthe Performs Includes the Following: 00 00 00 Process Healt Cast Steam Lasks 00 00 00 00 Dedicated Steam Perise Con						
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Set Goals for Improving Energy Efficiency8.39.426.7Measure and Monitor Steam Used (d)8.4X5.6Dedicated Staff that Performs Insulation Inspections (e)8.25.6Formal Steam Maintenance Program that Includes the Following:9.48.35.6Annual Testing of All Steam Traps9.48.35.6Maintaining a Steam Trap Database8.45.65.6Annual Inspections and Repairs of Steam Leaks12.27.35.6Measure Oxygen and Carbon Dioxide Levels (f)6.85.624.2Use Flue Gas to Preheat Other Equipment or Processes (g)6.85.624.2Process Heating Maintenance Program that Includes the Following:7.228.4Furance Inspections (h)18.84.929.7Cleaning of Heat Transfer Equipment (i)8.47.228.4Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)14.55.036.8Keep an Inventory of All Motors8.37.329.1Identify the Major Energy Consuming Pumps (k)5.613.230.0Detect and Control Compressed Air Leaks (I)4.57.248.4Track the Amount of Energy Spent in Compressed Air Systems3.812.829.7StaffNonferrous Metals, except Aluminum5.613.230.0	31316	Aluminum Extruded Products				
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Annual Inspections and Repairs of Steam Leaks12.27.35.6Measure Oxygen and Carbon Dioxide Levels (f)6.514.17.7Use Flue Gas to Preheat Other Equipment or Processes (g)6.85.624.2Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)18.84.929.7Cleaning of Heat Transfer Equipment (i)8.47.228.4Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)14.55.036.8Keep an Inventory of All Motors8.37.329.1Identify the Major Energy Consuming Pumps (k)5.613.230.0Detect and Control Compressed Air Leaks (I)4.57.248.4Track the Amount of Energy Spent in Compressed Air Systems3.812.829.7814Nonferrous Metals, except Aluminum						
Measure Oxygen and Carbon Dioxide Levels (f)6.514.17.7Use Flue Gas to Preheat Other Equipment or Processes (g)6.85.624.2Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)18.84.929.7Cleaning of Heat Transfer Equipment (i)8.47.228.4Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)14.55.036.8Keep an Inventory of All Motors8.37.329.1Identify the Major Energy Consuming Pumps (k)5.613.230.0Detect and Control Compressed Air Leaks (I)4.57.248.4Track the Amount of Energy Spent in Compressed Air Systems3.812.829.7814Nonferrous Metals, except Aluminum						
Use Flue Gas to Preheat Other Equipment or Processes (g)6.85.624.2Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)18.84.929.7Cleaning of Heat Transfer Equipment (i)8.47.228.4Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)14.55.036.8Keep an Inventory of All Motors8.37.329.1Identify the Major Energy Consuming Pumps (k)5.613.230.0Detect and Control Compressed Air Leaks (I)4.57.248.4Track the Amount of Energy Spent in Compressed Air Systems3.812.829.7XIANonferrous Metals, except Aluminum						
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Furance Inspections (h)18.84.929.7Cleaning of Heat Transfer Equipment (i)8.47.228.4Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)14.55.036.8Keep an Inventory of All Motors8.37.329.1Identify the Major Energy Consuming Pumps (k)5.613.230.0Detect and Control Compressed Air Leaks (I)4.57.248.4Track the Amount of Energy Spent in Compressed Air Systems3.812.829.7814Nonferrous Metals, except Aluminum			0.0	5.0	27.2	
Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 14.5 5.0 36.8 Keep an Inventory of All Motors 8.3 7.3 29.1 Identify the Major Energy Consuming Pumps (k) 5.6 13.2 30.0 Detect and Control Compressed Air Leaks (l) 4.5 7.2 48.4 Track the Amount of Energy Spent in Compressed Air Systems 3.8 12.8 29.7						
Keep an Inventory of All Motors8.37.329.1Identify the Major Energy Consuming Pumps (k)5.613.230.0Detect and Control Compressed Air Leaks (l)4.57.248.4Track the Amount of Energy Spent in Compressed Air Systems3.812.829.7814Nonferrous Metals, except Aluminum		Cleaning of Heat Transfer Equipment (i)	8.4	7.2	28.4	
Identify the Major Energy Consuming Pumps (k) 5.6 13.2 30.0 Detect and Control Compressed Air Leaks (l) 4.5 7.2 48.4 Track the Amount of Energy Spent in Compressed Air Systems 3.8 12.8 29.7 814 Nonferrous Metals, except Aluminum 5.6 13.2 30.0						
Detect and Control Compressed Air Leaks (I) 4.5 7.2 48.4 Track the Amount of Energy Spent in Compressed Air Systems 3.8 12.8 29.7 314 Nonferrous Metals, except Aluminum						
Track the Amount of Energy Spent in Compressed Air Systems 3.8 12.8 29.7 814 Nonferrous Metals, except Aluminum 12.8 12.8 12.8						
	314	Nonferrous Metals, except Aluminum				
			2.0	05.0	00.0	

de(a) Ei	nergy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
Se	et Goals for Improving Energy Efficiency	10.0	15.8	17.8	
	easure and Monitor Steam Used (d)	21.8	18.7	25.1	9
	edicated Staff that Performs Insulation Inspections (e)	20.2	19.2	26.2	10
	ormal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	25.5	15.8	32.3	1(
	Maintaining a Steam Trap Database	23.3	12.8	19.0	9
	Annual Inspections and Repairs of Steam Leaks	37.4	17.1	25.6	ç
	easure Oxygen and Carbon Dioxide Levels (f)	11.4	19.2	24.8	
	se Flue Gas to Preheat Other Equipment or Processes (g)	8.3	22.7	27.8	
	rocess Heating Maintenance Program that Includes the Following: Furance Inspections (h)	15.9	13.9	26.9	
	Cleaning of Heat Transfer Equipment (i)	15.7	14.0	26.2	
	nspecting, Calibrating, and Adjusting Process Heating Equipment (j)	17.5	12.2	32.0	
	eep an Inventory of All Motors	15.9	13.8	28.6	
	entify the Major Energy Consuming Pumps (k)	8.9	17.5	28.3	
	etect and Control Compressed Air Leaks (I) rack the Amount of Energy Spent in Compressed Air Systems	9.5 8.1	19.4 23.6	27.9 29.3	
	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum				
	ull-Time Energy Manager (c)	0.0	0.0	0.0	
Se	et Goals for Improving Energy Efficiency	0.0	0.0	0.0	
	easure and Monitor Steam Used (d)	0.0	0.0	0.0	
	edicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	
	ormal Steam Maintenance Program that Includes the Following:	0.0	0.0	0.0	
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	0.0	0.0	0.0	
	Annual Inspections and Repairs of Steam Leaks	0.0	0.0	0.0	
	easure Oxygen and Carbon Dioxide Levels (f)	0.0	0.0	0.0	
	se Flue Gas to Preheat Other Equipment or Processes (g)	0.0	0.0	0.0	
	rocess Heating Maintenance Program that Includes the Following:	0.0	0.0	0.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	0.0 0.0	0.0 0.0	0.0 0.0	
	nspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0	
	eep an Inventory of All Motors	0.0	0.0	0.0	
	entify the Major Energy Consuming Pumps (k)	0.0	0.0	0.0	
	etect and Control Compressed Air Leaks (I)	0.0	0.0	0.0	
	rack the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	
	Foundries				
	ull-Time Energy Manager (c)	1.6	11.8	20.2	
	et Goals for Improving Energy Efficiency	6.4	8.5 20.3	20.7 22.0	
	easure and Monitor Steam Used (d) edicated Staff that Performs Insulation Inspections (e)	10.9 14.0	20.3	36.8	
	ormal Steam Maintenance Program that Includes the Following:	14.0	10.0	00.0	
	Annual Testing of All Steam Traps	11.9	25.9	22.9	
	Maintaining a Steam Trap Database	11.7	5.4	18.6	
	Annual Inspections and Repairs of Steam Leaks	14.0	17.2	31.1	
	easure Oxygen and Carbon Dioxide Levels (f) se Flue Gas to Preheat Other Equipment or Processes (g)	5.3 4.4	10.2 13.4	15.0 19.0	
	rocess Heating Maintenance Program that Includes the Following:	4.4	13.4	19.0	
	Furance Inspections (h)	14.9	4.0	23.2	
	Cleaning of Heat Transfer Equipment (i)	10.8	6.2	20.0	
1	nspecting, Calibrating, and Adjusting Process Heating Equipment (j)	15.7	4.8	21.0	
	eep an Inventory of All Motors	7.4	7.9	16.3	
	lentify the Major Energy Consuming Pumps (k)	4.6	12.2	16.3	
	etect and Control Compressed Air Leaks (I) rack the Amount of Energy Spent in Compressed Air Systems	6.7 3.9	8.6 15.2	21.1 26.1	
	ron Foundries				
Fu	ull-Time Energy Manager (c)	2.3	11.2	30.1	
Se	et Goals for Improving Energy Efficiency	8.5	9.7	21.9	
	easure and Monitor Steam Used (d)	20.2	6.5	6.5	
	edicated Staff that Performs Insulation Inspections (e)	19.7	Х	6.5	
	ormal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	20.4	6.5	51.1	
	Maintaining a Steam Trap Database	20.4	6.5	42.3	
	Annual Inspections and Repairs of Steam Leaks	20.3	6.5	51.1	
Μ	easure Oxygen and Carbon Dioxide Levels (f)	4.3	11.8	16.7	
	se Flue Gas to Preheat Other Equipment or Processes (g)	2.8	8.8	21.9	
	rocess Heating Maintenance Program that Includes the Following:	47.4		00.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	17.4 14.8	5.5 6.7	23.6 20.2	
	nspecting, Calibrating, and Adjusting Process Heating Equipment (j)	14.8	5.2	20.2	
	eep an Inventory of All Motors	13.7	7.6	21.8	
ld	entify the Major Energy Consuming Pumps (k)	5.9	11.0	17.8	
D	etect and Control Compressed Air Leaks (I) rack the Amount of Energy Spent in Compressed Air Systems	8.1 3.0	9.9 10.8	24.4 20.8	
	Aluminum Die-Casting Foundries				
	ull-Time Energy Manager (c)	13.1	32.4	11.7	
	et Goals for Improving Energy Efficiency	15.4	18.9	28.8	
	easure and Monitor Steam Used (d)	27.0	11.7	11.7	
	edicated Staff that Performs Insulation Inspections (e)	28.5	11.7	11.7	

RSE Table 8.4 Relative Standard Errors for Table 8.4; Unit: Percents.

NAICS No Steam Code(a) Don't Know Used Energy-Management Activity No Participation Participation(b) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps 32.8 11.7 11.7 6.4 Maintaining a Steam Trap Database 29.6 11.7 11.7 6.3 Annual Inspections and Repairs of Steam Leaks 36.2 117 11.7 6.3 Measure Oxygen and Carbon Dioxide Levels (f) 13.2 18.6 23.8 ---Use Flue Gas to Preheat Other Equipment or Processes (g) 90 15.6 30.2 ---Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 26.0 7.7 33.3 Cleaning of Heat Transfer Equipment (i) 23.3 14.4 14.6 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 27 4 98 32.5 ---Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k) 9.3 14.9 11.9 ---5.7 12.5 11.9 ---Detect and Control Compressed Air Leaks (I) 15.1 20.7 28.0 --Track the Amount of Energy Spent in Compressed Air Systems 3.2 13.4 12.1 331524 Aluminum Foundries, except Die-Casting 1.9 25.7 27.3 Full-Time Energy Manager (c) ---Set Goals for Improving Energy Efficiency 14.7 16.7 35.6 Measure and Monitor Steam Used (d) 2.4 13.9 12.3 123 Dedicated Staff that Performs Insulation Inspections (e) 13.8 79.2 11 9 Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps 14.5 12.3 12.3 2.2 Maintaining a Steam Trap Database 14.4 12.3 14.3 2.5 Annual Inspections and Repairs of Steam Leaks 12.3 15.2 59.6 11.9 Measure Oxygen and Carbon Dioxide Levels (f) 12.9 12.8 36.0 Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: 12.1 19.3 50.6 ---Furance Inspections (h) 18.0 3.2 14.1 Cleaning of Heat Transfer Equipment (i) 16.9 13.6 48.4 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 24.1 13.4 38.9 ___ Keep an Inventory of All Motors 14 5 23.5 25.2 ___ Identify the Major Energy Consuming Pumps (k) 67 18.6 24.6 ---Detect and Control Compressed Air Leaks (I) 14.5 16.3 57.3 ---Track the Amount of Energy Spent in Compressed Air Systems 11.9 21.3 62.4 FABRICATED METAL PRODUCTS 332 2.9 27.5 17.9 Full-Time Energy Manager (c) ---Set Goals for Improving Energy Efficiency 5.4 11.3 14.7 Measure and Monitor Steam Used (d) 13.0 70.8 20.0 4.2 Dedicated Staff that Performs Insulation Inspections (e) 12.7 56.8 18.6 4.5 Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps 37.9 19.5 42 14 4 Maintaining a Steam Trap Database 19.8 4.2 13.4 77.8 Annual Inspections and Repairs of Steam Leaks 15.5 28.6 20.7 4.1 Measure Oxygen and Carbon Dioxide Levels (f) 3.6 22.6 13.9 Use Flue Gas to Preheat Other Equipment or Processes (g) 3.3 31.4 14.4 ---Process Heating Maintenance Program that Includes the Following: 9.7 6.3 14.2 Furance Inspections (h) ---Cleaning of Heat Transfer Equipment (i) 9.8 6.6 13.1 ---Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 6.4 10.1 12.9 Keep an Inventory of All Motors 12.7 5.5 12.5 Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems 39 20.0 13.9 ---53 117 148 ---32.3 3.4 14.0 ---333 MACHINERY Full-Time Energy Manager (c) 2.6 24 6 267 ---Set Goals for Improving Energy Efficiency 5.3 11.6 18.7 Measure and Monitor Steam Used (d) 14.0 32.4 4.0 Х Dedicated Staff that Performs Insulation Inspections (e) 13.3 36.5 28.2 4.3 Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps 14.6 55.3 31.0 40 Maintaining a Steam Trap Database 14.2 37.6 32.0 3.9 Annual Inspections and Repairs of Steam Leaks 15.2 46.0 27.0 4.1 Measure Oxygen and Carbon Dioxide Levels (f) 3.5 26.6 16.6 Use Flue Gas to Preheat Other Equipment or Processes (g) 2.9 50.9 18.3 Process Heating Maintenance Program that Includes the Following: 75 Furance Inspections (h) 89 16 1 ---Cleaning of Heat Transfer Equipment (i) 6.8 9.5 17.0 ---Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 9.9 16.8 6.6 ---Keep an Inventory of All Motors 4.8 14.4 17.5 Identify the Major Energy Consuming Pumps (k) 3.2 28.7 17.8 ---Detect and Control Compressed Air Leaks (I) 5.0 12.1 20.8 ---Track the Amount of Energy Spent in Compressed Air Systems 3.2 26.6 19.1 ---334 COMPUTER AND ELECTRONIC PRODUCTS

Full-Time Energy Manager (c) 4.9 227 32.4 ---Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) 71 15 7 26.8 21.7 29.9 5.2 36.1 Dedicated Staff that Performs Insulation Inspections (e) 22.3 30.8 37.8 5.2 Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps 26.5 33.3 37.6 4.9 Maintaining a Steam Trap Database 25.4 33.2 37 1 49

IAICS Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
	Annual Inspections and Repairs of Steam Leaks	28.9	27.4	37.7	4.9
	Measure Oxygen and Carbon Dioxide Levels (f)	6.6	21.9	19.2	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4.3	66.6	23.3	
	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	10.4	13.4	20.1	
	Cleaning of Heat Transfer Equipment (i)	10.9	11.8	23.1	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	12.4	11.0	21.5	
	Keep an Inventory of All Motors	6.4	18.6	26.7	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	5.8 7.8	20.8 16.0	24.5 25.0	
	Track the Amount of Energy Spent in Compressed Air Systems	4.7	33.7	24.0	
334413	Semiconductors and Related Devices				
	Full-Time Energy Manager (c)	1.9	17.8	27.4	
	Set Goals for Improving Energy Efficiency	18.3	25.3	54.3	
	Measure and Monitor Steam Used (d)	31.7	14.9	71.5	13.8
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	34.9	48.3	76.5	17.0
	Annual Testing of All Steam Traps	43.6	21.1	71.5	14.4
	Maintaining a Steam Trap Database	35.5	14.9	64.2	14.7
	Annual Inspections and Repairs of Steam Leaks	46.4	20.1	73.9	14.4
	Measure Oxygen and Carbon Dioxide Levels (f)	14.0	19.3	37.8	
	Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following:	9.8	14.9	43.8	
	Furance Inspections (h)	28.7	19.5	47.4	
	Cleaning of Heat Transfer Equipment (i)	27.0	18.6	57.3	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	29.3	18.2	51.7	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	17.1 17.3	29.3 27.1	46.9 46.2	
	Detect and Control Compressed Air Leaks (I)	17.3	30.2	46.2	
	Track the Amount of Energy Spent in Compressed Air Systems	12.6	17.5	42.4	
35	ELEC. EQUIP., APPLIANCES, COMPONENTS				
	Full-Time Energy Manager (c)	5.4	33.7	54.2	
	Set Goals for Improving Energy Efficiency	11.3	16.7	37.5	
	Measure and Monitor Steam Used (d)	27.0	77.2	54.0	6.4
	Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	23.2	50.4	51.0	7.5
	Annual Testing of All Steam Traps	30.6	54.2	36.3	7.4
	Maintaining a Steam Trap Database	27.7	42.9	38.2	7.2
	Annual Inspections and Repairs of Steam Leaks	33.7	40.1	44.5	7.2
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	7.6 6.1	32.4 73.2	27.1 29.4	
	Process Heating Maintenance Program that Includes the Following:	0.1	13.2	29.4	
	Furance Inspections (h)	14.0	13.9	35.5	
	Cleaning of Heat Transfer Equipment (i)	11.9	17.5	29.8	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	14.1 10.0	13.7 20.6	36.0 30.4	
	Identify the Major Energy Consuming Pumps (k)	6.2	20.0	39.3	
	Detect and Control Compressed Air Leaks (I)	8.3	22.6	35.9	
	Track the Amount of Energy Spent in Compressed Air Systems	4.6	28.3	36.9	
36	TRANSPORTATION EQUIPMENT				
	Full-Time Energy Manager (c)	3.7 8.3	20.4 12.5	40.3 27.0	
	Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	8.3 18.7	23.8	49.7	4.3
	Dedicated Staff that Performs Insulation Inspections (e)	19.3	24.6	45.2	4.8
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	22.0	19.5	46.0	4.3
	Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	20.5 25.8	17.2 25.3	37.9 47.5	4.4 4.3
	Measure Oxygen and Carbon Dioxide Levels (f)	6.5	17.4	17.5	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	4.7	23.7	20.3	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	12.8 12.0	10.1 10.3	19.5 20.6	
	Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	12.0	10.3	20.6	
	Keep an Inventory of All Motors	9.5	13.6	19.4	
	Identify the Major Energy Consuming Pumps (k)	4.9	20.8	26.1	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	8.8 3.5	12.4 17.6	27.0 29.4	
336111	Automobiles				
	Full-Time Energy Manager (c)	0.0	0.0	0.0	
	Set Goals for Improving Energy Efficiency	0.0	0.0	0.0	
	Measure and Monitor Steam Used (d)	0.0	0.0	0.0	0.0
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	0.0
	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	0.0	0.0	0.0	0.0
	Maintaining a Steam Trap Database	0.0	0.0	0.0	0.0
	Annual Inspections and Repairs of Steam Leaks	0.0	0.0	0.0	0.0
	Annual inspections and Repairs of Steam Leaks	0.0	••		
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	0.0 0.0 0.0	0.0	0.0 0.0	

	Energy-Management Activity	No Participation	Participation(b)	Don't Know	No Steam Used
1	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	
r	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors	0.0 0.0	0.0 0.0	0.0 0.0	
	Identify the Major Energy Consuming Pumps (k)	0.0	0.0	0.0	
	Detect and Control Compressed Air Leaks (I)	0.0	0.0	0.0	
1	Track the Amount of Energy Spent in Compressed Air Systems	0.0	0.0	0.0	-
336112	Light Trucks and Utility Vehicles				
	Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	0.0 0.0	0.0 0.0	0.0 0.0	
	Measure and Monitor Steam Used (d)	0.0	0.0	0.0	0.
	Dedicated Staff that Performs Insulation Inspections (e)	0.0	0.0	0.0	0
F	Formal Steam Maintenance Program that Includes the Following:		0.0		0
	Annual Testing of All Steam Traps Maintaining a Steam Trap Database	0.0 0.0	0.0 0.0	0.0 0.0	0 0
	Annual Inspections and Repairs of Steam Leaks	0.0	0.0	0.0	0
1	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:	0.0	0.0	0.0	
	Furance Inspections (h) Cleaning of Heat Transfer Equipment (i)	0.0 0.0	0.0 0.0	0.0 0.0	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	0.0	0.0	0.0	
I	Keep an Inventory of All Motors	0.0	0.0	0.0	
	Identify the Major Energy Consuming Pumps (k)	0.0	0.0	0.0	
	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	0.0 0.0	0.0 0.0	0.0 0.0	
3364	Aerospace Products		0.0	0.0	
,	Full-Time Energy Manager (c)	6.0	16.3	46.7	
9	Set Goals for Improving Energy Efficiency	10.3	13.1	36.8	
	Measure and Monitor Steam Used (d)	14.9	10.5	29.0	5
	Dedicated Staff that Performs Insulation Inspections (e)	16.3	36.8	37.1	5
r	Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps	20.0	24.2	26.0	5
	Maintaining a Steam Trap Database	17.5	10.7	47.6	6
	Annual Inspections and Repairs of Steam Leaks	24.0	19.7	18.9	5
	Measure Oxygen and Carbon Dioxide Levels (f)	8.1	15.6	28.7	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	5.2	33.9	34.0	
1	Process Heating Maintenance Program that Includes the Following: Furance Inspections (h)	14.7	10.4	24.9	
	Cleaning of Heat Transfer Equipment (i)	12.7	11.5	17.8	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	16.5	10.1	33.7	
	Keep an Inventory of All Motors	6.4	17.9	25.3	
	Identify the Major Energy Consuming Pumps (k) Detect and Control Compressed Air Leaks (I)	3.7 9.2	18.7 15.2	26.5 37.8	
	Track the Amount of Energy Spent in Compressed Air Systems	2.8	23.2		
336411	Aircraft				
	Full-Time Energy Manager (c)	10.0	20.3	53.0	
	Set Goals for Improving Energy Efficiency	26.8	18.2	53.0	
	Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	20.4 21.2	X 16.8	X X	8 8
	Formal Steam Maintenance Program that Includes the Following:	21.2	10.0	~	0
	Annual Testing of All Steam Traps	22.7	16.8	х	8
	Maintaining a Steam Trap Database	22.3	16.8	71.6	15
	Annual Inspections and Repairs of Steam Leaks	30.5	16.8	29.9	9
	Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	14.8 13.5	18.3 16.8	56.2 56.5	
	Process Heating Maintenance Program that Includes the Following:	13.5	10.0	50.5	
	Furance Inspections (h)	37.1	14.1	25.7	
	Cleaning of Heat Transfer Equipment (i)	29.0	17.6	16.8	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	34.1	18.5	48.3	
	Keep an Inventory of All Motors Identify the Major Energy Consuming Pumps (k)	15.1 4.6	24.8	16.8 60.0	
		4.6	16.8 28.6	52.0	
I				02.0	
l [Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems	2.9	21.1	29.9	
	Detect and Control Compressed Air Leaks (I)			29.9	
1 1 37 I	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems FURNITURE AND RELATED PRODUCTS Full-Time Energy Manager (c)	2.9	21.1 40.3	27.4	
1 7 77 1 8 8	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems FURNITURE AND RELATED PRODUCTS Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency	2.9 3.4 6.8	21.1 40.3 16.2	27.4 20.6	
1 57 87 87 87	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems FURNITURE AND RELATED PRODUCTS Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	2.9 3.4 6.8 19.2	21.1 40.3 16.2 41.3	27.4 20.6 32.9	
1 77 1 8 1 1	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems FURNITURE AND RELATED PRODUCTS Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e)	2.9 3.4 6.8	21.1 40.3 16.2	27.4 20.6	
7 I	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems FURNITURE AND RELATED PRODUCTS Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d)	2.9 3.4 6.8 19.2	21.1 40.3 16.2 41.3	27.4 20.6 32.9	4
7 I	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems FURNITURE AND RELATED PRODUCTS Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following:	2.9 3.4 6.8 19.2 19.8 21.2 20.2	21.1 40.3 16.2 41.3 46.1 50.5 34.6	27.4 20.6 32.9 31.5 33.3 30.5	4 4 4
7 I	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems FURNITURE AND RELATED PRODUCTS Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks	2.9 3.4 6.8 19.2 19.8 21.2 20.2 23.2	21.1 40.3 16.2 41.3 46.1 50.5 34.6 33.8	27.4 20.6 32.9 31.5 33.3 30.5 29.8	4 4 4
7 I	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems FURNITURE AND RELATED PRODUCTS Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	2.9 3.4 6.8 19.2 19.8 21.2 20.2 23.2 4.7	21.1 40.3 16.2 41.3 46.1 50.5 34.6 33.8 34.3	27.4 20.6 32.9 31.5 33.3 30.5 29.8 18.0	4 4 4
37 F	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems FURNITURE AND RELATED PRODUCTS Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g)	2.9 3.4 6.8 19.2 19.8 21.2 20.2 23.2	21.1 40.3 16.2 41.3 46.1 50.5 34.6 33.8	27.4 20.6 32.9 31.5 33.3 30.5 29.8	4 4 4 4 4
37 F	Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems FURNITURE AND RELATED PRODUCTS Full-Time Energy Manager (c) Set Goals for Improving Energy Efficiency Measure and Monitor Steam Used (d) Dedicated Staff that Performs Insulation Inspections (e) Formal Steam Maintenance Program that Includes the Following: Annual Testing of All Steam Traps Maintaining a Steam Trap Database Annual Inspections and Repairs of Steam Leaks Measure Oxygen and Carbon Dioxide Levels (f)	2.9 3.4 6.8 19.2 19.8 21.2 20.2 23.2 4.7	21.1 40.3 16.2 41.3 46.1 50.5 34.6 33.8 34.3	27.4 20.6 32.9 31.5 33.3 30.5 29.8 18.0	4. 4 4. 4. 4.

RSE Table 8.4 Relative Standard Errors for Table 8.4; Unit: Percents.

NAICS

NAICS				Dank Know	No Steam
Code(a)	Energy-Management Activity	No Participation	Participation(b)	Don't Know	Used
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	8.6	14.9	15.7	
	Keep an Inventory of All Motors	6.7	16.8	20.7	
	Identify the Major Energy Consuming Pumps (k)	5.0	30.5	18.9	
	Detect and Control Compressed Air Leaks (I)	6.3	17.3	21.8	
	Track the Amount of Energy Spent in Compressed Air Systems	4.2	53.2	19.5	
339	MISCELLANEOUS				
	Full-Time Energy Manager (c)	2.7	33.6	23.7	
	Set Goals for Improving Energy Efficiency	5.3	13.7	18.7	
	Measure and Monitor Steam Used (d)	12.8	60.1	27.6	4.9
	Dedicated Staff that Performs Insulation Inspections (e)	14.1	43.9	27.6	4.7
	Formal Steam Maintenance Program that Includes the Following:				
	Annual Testing of All Steam Traps	15.4	45.8	27.6	4.4
	Maintaining a Steam Trap Database	16.4	64.0	22.7	4.4
	Annual Inspections and Repairs of Steam Leaks	17.3	37.8	25.4	4.2
	Measure Oxygen and Carbon Dioxide Levels (f)	4.4	30.0	13.4	
	Use Flue Gas to Preheat Other Equipment or Processes (g)	3.9	32.3	13.9	
	Process Heating Maintenance Program that Includes the Following:				
	Furance Inspections (h)	7.4	11.2	14.2	
	Cleaning of Heat Transfer Equipment (i)	7.1	12.4	13.2	
	Inspecting, Calibrating, and Adjusting Process Heating Equipment (j)	7.8	11.7	12.4	
	Keep an Inventory of All Motors	5.8	14.7	15.1	
	Identify the Major Energy Consuming Pumps (k)	4.1	29.4	14.8	
	Detect and Control Compressed Air Leaks (I)	5.5	16.6	14.5	
	Track the Amount of Energy Spent in Compressed Air Systems	3.4	50.8	16.2	

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

(b) This count includes only those establishments that reported this activity for calendar year 2010.

(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

 (g) The use of flue gases from 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. (I) The staff or equipment dedicated to detecting and controlling compressed air

system leaks.

NF=No applicable RSE row/column factor.

* Estimate less than 0.5.

W=Withheld to avoid disclosing data for individual establishments. Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

-- Estimation is not applicable.

X=Not defined because RSE corresponds to a value of zero. 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, '2010 Manufacturing

Energy Consumption Survey.'