Table 8.4 Number of Establishments by Participation in Specific Energy-Management Activities, 2018

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

| NAICS Code(| a) Energy-Management Activity | No Participation | Participation(b) | Don't Know |
|-------------|---|---------------------|------------------|----------------|
| | | Total United States | | |
| 311 - 339 | All Manufacturing Industries | | | |
| | Person(s) Responsible for Energy Management (c) | 117,234 | 29,330 | 34,562 |
| | Aware of ISO 50001 | 127,495 | 41,499 | |
| | Implementing ISO 50001 | 37,878 | 5,730 | |
| | Energy Efficiency a part of Purchasing Decision | 39,959 | 131,003 | 10,164 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 86,546 | 42,701 | 51,879 |
| | Set Goals for Improving Energy Consumption | 90,034 | 42,200 | 48,893 |
| | Quantitative Goals | 12,062 | 21,310 | 147,754 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 155,405 | 14,575 | 38,337 |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 119,913 109,117 | 22,876 25,426 | 46,583 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 122,640 | 11,437 | 47,050 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 112,861 | 18,399 | 49,866 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 125,632 | 8,664 | 46,830 |
| | Process Heating Maintenance Program that Includes the Following: | 123,032 | 5,501 | 10,050 |
| | Furance Inspections (h) | 61,818 | 67,480 | 51,828 |
| | Cleaning of Heat Transfer Equipment (i) | 59,415 | 64,995 | 56,716 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 56,429 | 66,421 | 58,276 |
| | Keep an Inventory of All Motors | 82,996 | 51,474 | 46,656 |
| | Detect and Control Compressed Air Leaks (I) | 82,450 | 50,534 | 48,142 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 125,532 | 8,417 | 47,177 |
| 311 | Food | | | |
| | Person(s) Responsible for Energy Management (c) | 8,948 | 3,336 | 3,558 |
| | Aware of ISO 50001 | 11,599 | 2,836 | 3,336 |
| | Implementing ISO 50001 | 2,479 | 502 | |
| | Energy Efficiency a part of Purchasing Decision | 3,025 | 11,647 | 1,170 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 6,391 | 4.444 | 5,007 |
| | Set Goals for Improving Energy Consumption | 6,405 | 4,713 | 4,724 |
| | Quantitative Goals | 1,227 | 2,454 | 12,162 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 12,292 | 2,245 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 9,458 | 2,257 | 4,127 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 9,602 | 1,951 | 4,289 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 10,614 | 1,020 | 4,208 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 8,009 | 3,450 | 4,384 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 9,725 | 1,991 | 4,126 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 3,375 | 8,090 | 4,377 |
| | Cleaning of Heat Transfer Equipment (i) | 3,100 | 8,119 | 4,623 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 2,761 | 8,515 | 4,566 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 6,039 7,631 | 5,994 4,004 | 3,809 4,207 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 10,287 | 1,075 | 4,480 |
| | | 10,207 | 1,073 | 4,400 |
| 3112 | Grain and Oilseed Milling | | | |
| | Person(s) Responsible for Energy Management (c) | 213 | 243 | 155 |
| | Aware of ISO 50001 | 296 | 241 | |
| | Implementing ISO 50001 | 211 | 30 | |
| | Energy Efficiency a part of Purchasing Decision | 56 | 486 | 70 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 85 | 338 | 188 |
| | Set Goals for Improving Energy Consumption | 151 | 329 | 131 |
| | Quantitative Goals | 40 | 255 | 315 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 386 | 186 | 211 |
| | Conduct Audits to Identify Energy Saving Opportunities | 280 290 | 120 144 | |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 335 | 144 | 176 213 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 161 | 207 | 243 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 247 | 135 | 229 |
| | Process Heating Maintenance Program that Includes the Following: | 247 | 133 | 223 |
| | Furance Inspections (h) | 79 | 316 | 216 |
| | | , , | 310 | 210 |

| | Cleaning of Heat Transfer Equipment (i) | 82 83 | 301 301 | 22 |
|--------|---|-----------|------------|----------|
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 83 133 | 301 | 22 14 |
| | Detect and Control Compressed Air Leaks (I) | 241 | 213 | 15 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 298 | 84 | 22: |
| 311221 | Wet Corn Milling | | | |
| | Person(s) Responsible for Energy Management (c) | D | 27 | |
| | Aware of ISO 50001 | 30 | 22 | |
| | Implementing ISO 50001 | 17 | 5 | |
| | Energy Efficiency a part of Purchasing Decision | 4 | 48 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 12 | 40 | |
| | Set Goals for Improving Energy Consumption Ouantitative Goals | 14 | 38 33 | |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 21 | 33 | 14 |
| | Conduct Audits to Identify Energy Saving Opportunities | 33 | D | |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 29 | | |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 43 | D | |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 15 | 27 | |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 20 | 23 | 1 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | n | 43 | |
| | Cleaning of Heat Transfer Equipment (i) | 6 | 40 | |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | D | 44 | |
| | Keep an Inventory of All Motors | D | 47 | |
| | Detect and Control Compressed Air Leaks (I) | 24 | 25 | |
| | Track the Amount of Energy Spent in Compressed Air Systems | 33 | D | |
| 31131 | Sugar Manufacturing | | | |
| | Person(s) Responsible for Energy Management (c) | 24 | 25 | |
| | Aware of ISO 50001 | 36 | 26 | <u>-</u> |
| | Implementing ISO 50001 | 24 | 3 | |
| | Energy Efficiency a part of Purchasing Decision | 14 | 48 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 15 | 34 | 2 |
| | Set Goals for Improving Energy Consumption | 15 | 35 | 2 |
| | Quantitative Goals | | 19 17 | 4 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 45 31 | 18 | 2 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 29 | 19 | 2 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 37 | 10 | 2 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 10 | 37 | 2 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 14 | 29 | 2 |
| | Process Heating Maintenance Program that Includes the Following: | 6 | | |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 6 8 | 46 44 | 1 1 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | | 45 | 1 |
| | Keep an Inventory of All Motors | 8 | 45 | 1 |
| | Detect and Control Compressed Air Leaks (I) | 18 | 31 | 2 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 34 | 10 | 2 |
| 3114 | Fruit and Vegetable Preserving and Specialty Foods | | | |
| | Person(s) Responsible for Energy Management (c) | 425 | 395 | 22 |
| | Aware of ISO 50001 | 701 | 271 | |
| | Implementing ISO 50001 | 266 | 28 | - |
| | Energy Efficiency a part of Purchasing Decision | 151 | 821 | (|
| | Energy Use Baseline for Comparing Energy Use in Future Years | 291 | 509 | 24 |
| | Set Goals for Improving Energy Consumption | 388 | 398 | 26 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 85 773 | 251 175 | 71 |
| | Conduct Audits to Identify Energy Saving Opportunities | 519 | 273 | 25 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 604 | 169 | 27 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 715 | 72 | 26 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 308 | 465 | 27 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 483 | 274 | 28 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 191 | 673 | 18 |
| | Cleaning of Heat Transfer Equipment (i) | 150 | 694 | 18 20 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 156 | 709 | 18 |
| | Keep an Inventory of All Motors | 242 | 550 | 25 |
| | Detect and Control Compressed Air Leaks (I) | 487 | 362 | 19 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 706 | 89 | 25. |
| | | | | |

| | Person(s) Responsible for Energy Management (c) | 373 | 502 | 162 |
|------|---|-------|------------|-------|
| | Aware of ISO 50001 | 666 | 326 | |
| | Implementing ISO 50001 | 302 | 26 | |
| | Energy Efficiency a part of Purchasing Decision | 113 | 884 | 39 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 178 | 622 | 236 |
| | Set Goals for Improving Energy Consumption | 262 | 560 | 215 |
| | Quantitative Goals | 124 | 339 | 573 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 722 | 269 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 589 | 260 | 188 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 651 | 236 | 149 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 755 | 145 | 136 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 431 | 414 | 191 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 612 | 226 | 198 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 160 | 732 | 144 |
| | Cleaning of Heat Transfer Equipment (i) | 110 | 772 | 154 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 117 | 787 | 132 |
| | Keep an Inventory of All Motors | 257 | 664 | 115 |
| | Detect and Control Compressed Air Leaks (I) | 443 | 461 | 132 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 744 | 143 | 148 |
| | | | | |
| 3116 | Animal Slaughtering and Processing | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 856 | 489 | 497 |
| | Aware of ISO 50001 | 1,210 | 420 | |
| | Implementing ISO 50001 | 396 | 47 | |
| | Energy Efficiency a part of Purchasing Decision | 346 | 1,346 | 151 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 667 | 532 | 643 |
| | Set Goals for Improving Energy Consumption | 726 | 481 | 635 |
| | Quantitative Goals | 67 | 302 | 1,473 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 1,403 | 230 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 1,045 | 310 | 487 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 983 | 209 | 650 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1,071 | 122 | 649 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 653 | 484 | 705 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 964 | 243 | 635 |
| | Process Heating Maintenance Program that Includes the Following: | 304 | 243 | 033 |
| | Furance Inspections (h) | 230 | 1,021 | 592 |
| | Cleaning of Heat Transfer Equipment (i) | 329 | 939 | 574 |
| | | 211 | 1,062 | 569 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 595 | 760 | 487 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 693 | 543 | 606 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 1,099 | 106 | 637 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 1,099 | 100 | 037 |
| 312 | Beverage and Tobacco Products | | | |
| | beverage and robacco rouncis | | | |
| | Person(s) Responsible for Energy Management (c) | 2.298 | 1.024 | 616 |
| | Aware of ISO 50001 | 2,845 | 1,011 | 010 |
| | Implementing ISO 50001 | 856 | 160 | |
| | Energy Efficiency a part of Purchasing Decision | 600 | 3,201 | 137 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 1.585 | 1.423 | 929 |
| | Set Goals for Improving Energy Consumption | 1,769 | 1,425 | 743 |
| | Quantitative Goals | 423 | 758 | |
| | | | 332 | 2,757 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Fooray Saving Opportunities | 3,533 | | 787 |
| | Conduct Audits to Identify Energy Saving Opportunities | 2,619 | 533 | |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1,963 | 986 448 | 988 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2,502 | 448 495 | 988 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 2,315 | | 1,128 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 2,559 | 190 | 1,189 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 1,318 | 1,436 | 1,184 |
| | Cleaning of Heat Transfer Equipment (i) | 1,140 | 1,567 | 1,231 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 955 | 1,835 | 1,148 |
| | Keep an Inventory of All Motors | 1,650 | 1,369 | 919 |
| | Detect and Control Compressed Air Leaks (I) | 2,040 | 1,019 | 879 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 2,699 | 219 | 1,020 |
| | | | | |
| 3121 | Beverages | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 2,253 | 991 | 608 |
| | Aware of ISO 50001 | 2,796 | 976 | |
| | Implementing ISO 50001 | 825 | 156 | |
| | Energy Efficiency a part of Purchasing Decision | D | 3,127 | D |
| | | | | 919 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 1,554 | 1,380 | |
| | Set Goals for Improving Energy Consumption | 1,731 | 1,390 | 732 |
| | | -, | _, | |

| Procedure to Neticial Electricity Consumption in Times of Citatic of Indicationalities 1,009 1973 971 1971 1971 1971 1971 1972 19 | | Conduct Audits to Identify Energy Saving Opportunities | 2,559 | 520 | 774 |
|--|------|---|-------|-------|-------|
| Measure Cogen and Carbon Double Levels () | | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1,909 | 973 | 971 |
| Use Fue Gas to Preheat Other Equipment of Processes (g) | | | | | |
| Proces Healing Maintenance Program that includes the Following: 1,244 1,356 1,177 | | | | | |
| Farmonic Impactions (h) | | | 2,505 | 1/8 | 1,1/1 |
| Cleaning of least Transfer Equipment () | | | 1 284 | 1 396 | 1 173 |
| Impacting Californian, and Agliguing Process Healing Equipment (i) | | | | | |
| Recp an Inventory of All Motors | | | | | |
| Track the Amount of Energy Spent in Compressed Air Systems | | | 1,624 | 1,322 | |
| Person(s) Responsible for Energy Management (c) | | | | | |
| Personici) Responsible for Energy Management (c) | | Track the Amount of Energy Spent in Compressed Air Systems | 2,653 | 196 | 1,004 |
| Person() Responsible for Energy Management (c) | 3122 | Tobacco | | | |
| Aware of 105 05001 1989 35 | | | | | |
| Implementing to 50001 | | | | | 8 |
| Energy Efficiency a part of Purchasing Decision D | | | | | |
| Energy Use Baseline for Comparing Energy Use in Future Years | | | | · · | D |
| Set Goals for Improving Energy Communition | | | 31 | | |
| Submetering (metering beyond the main utility, revenue or supplier meter) 66 18 12 | | Set Goals for Improving Energy Consumption | | | |
| Conduct Audits to Identify Energy Saving Opportunities 59 13 13 13 17 18 17 18 18 19 19 19 19 18 18 | | | • | 50 | 53 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 59 10 16 | | | | | |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 59 10 36 36 36 36 36 36 36 36 36 36 36 36 36 | | | | | |
| Measure Oxygen and Carbon Dioxide Levels (f) 36 12 19 | | | | | |
| Use Flue Gas to Preheat Other Equipment or Processes [a] 19 | | | | | |
| Process Healing Maintenance Program that Includes the Following: Furance Inspections (s) 34 40 111 Cleaning of Heat Transfer Equipment (j) 27 43 15 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 28 45 16 Keep an Inventory of All Motors 26 47 12 Detect and Control Compressed Air Leaks (j) 34 35 16 Track the Amount of Energy Spent in Compressed Air Systems 46 23 16 Track the Amount of Energy Spent in Compressed Air Systems 46 23 16 Track the Amount of Energy Spent in Compressed Air Systems 46 23 16 Person(s) Responsible for Energy Management (c) 904 334 132 Aware of 105 05001 996 337 2- Implementing 50 05001 331 15 5- Energy Efficiency a part of Purchasing Decision 231 1,106 0,0 Energy Use Baseline for Companing Energy Use in Future Years 729 370 261 Self Goals for Improving Energy Consumption 745 398 217 Quantitative Goals 33 | | | | | |
| Cleaning of Heat Transfer Equipment (i) | | | | | |
| Inspecting, calibrating, and Adjusting Process Heating Equipment (j) | | Furance Inspections (h) | 34 | 40 | |
| Reep an Inventory of All Motors 26 | | | | | |
| Defect and Control Compressed Air Leaks (I) 34 35 16 16 16 16 16 16 16 1 | | | | | |
| Track the Amount of Energy Spent in Compressed Air Systems | | | | "" | |
| Person(s) Responsible for Energy Management (c) | | Track the Amount of Energy Spont in Compressed Air Systems | | | |
| Person(s) Responsible for Energy Management (c) | | Track the Amount of the gy Spent in Complessed An Systems | 40 | | |
| Aware of ISO 50001 | 313 | Textile Mills | | | |
| Aware of ISO 50001 | | Parson(s) Responsible for Engray Management (s) | 904 | 324 | 137 |
| Implementing ISO 50001 | | Aware of ISO 50001 | | | |
| Energy Use Baseline for Comparing Energy Use in Future Years | | | 331 | | |
| Set Goals for Improving Energy Consumption | | | | 1,106 | |
| Quantitative Goals | | | | | |
| Submetering (metering beyond the main utility, revenue or supplier meter) | | | | | |
| Conduct Audits to Identify Energy Saving Opportunities 915 176 268 | | | | | 1,033 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 793 387 180 | | | | 150 | 768 |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,092 51 217 | | | | | |
| Measure Oxygen and Carbon Dioxide Levels (f) 889 192 268 Use Flue Gas to Preheat Other Equipment or Processes (g) 989 104 268 Process Heating Maintenance Program that Includes the Following: | | | | | |
| Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | | | | 192 | |
| Furance Inspections (h) | | | 989 | 104 | 268 |
| Cleaning of Heat Transfer Equipment (i) | | | | | |
| Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | | | | | |
| Reep an Inventory of All Motors | | | | | |
| Detect and Control Compressed Air Leaks (f) 642 500 218 | | | | | |
| Track the Amount of Energy Spent in Compressed Air Systems | | | | | |
| Person(s) Responsible for Energy Management (c) 2,093 457 1,566 | | Track the Amount of Energy Spent in Compressed Air Systems | 1,012 | 148 | 200 |
| Person(s) Responsible for Energy Management (c) | 314 | Textile Product Mills | | | |
| Aware of ISO 50001 3,074 665 — Implementing ISO 50001 599 Q — Energy Efficiency a part of Purchasing Decision 1,086 2,654 Q Energy Use Baseline for Comparing Energy Use in Future Years 1,957 597 1,562 Set Goals for Improving Energy Consumption 1,086 Q 1,648 3,694 Quantitative Goals Q 148 3,694 Submetering (metering beyond the main utility, revenue or supplier meter) 3,657 Q — Conduct Audits to Identify Energy Saving Opportunities 2,612 Q 1,212 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,994 Q 1,782 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 2,051 Q 2,003 Measure Oxygen and Carbon Dioxide Levels (f) 2,746 79 1,292 Use Flue Gas to Preheat Other Equipment or Processes (g) 2,732 Q 1,323 Process Heating Maintenance Program that Includes the Following: Furrance Inspections (h) 1,807 644 1,666 | | | | | |
| Implementing ISO 50001 599 Q | | | | | 1,566 |
| Energy Efficiency a part of Purchasing Decision | | | | | |
| Energy Use Baseline for Comparing Energy Use in Future Years 1,957 597 1,562 | | | | | |
| Set Goals for Improving Energy Consumption 1,819 1,010 1,287 Quantitative Goals Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) 3,657 Q Conduct Audits to Identify Energy Saving Opportunities 2,612 Q 1,212 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,994 Q 1,782 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 2,051 Q 2,203 Measure Oxygen and Carbon Dioxide Levels (f) 2,746 79 1,292 Use Flue Gas to Preheat Other Equipment or Processes (g) 2,732 Q 1,333 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 1,807 644 1,666 | | | | | |
| Submetering (metering beyond the main utility, revenue or supplier meter) 3,657 Q ——————————————————————————————————— | | | 1,819 | 1,010 | |
| Conduct Audits to Identify Energy Saving Opportunities 2,612 Q 1,212 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,994 Q 1,782 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 2,051 Q 2,003 Measure Oxygen and Carbon Dioxide Levels (f) 2,746 79 1,292 Use Flue Gas to Preheat Other Equipment or Processes (g) 2,732 Q 1,323 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 1,807 644 1,666 | | | | | 3,694 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | | | | | |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 2,051 Q 2,003 Measure Oxygen and Carbon Dioxide Levels (f) 2,746 79 1,292 Use Flue Gas to Preheat Other Equipment or Processes (g) 2,732 Q 1,323 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 1,807 644 1,666 | | | | | |
| Measure Oxygen and Carbon Dioxide Levels (f) 2,746 79 1,292 Use Flue Gas to Preheat Other Equipment or Processes (g) 2,732 Q 1,323 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 1,807 644 1,666 | | | | | |
| Use Flue Gas to Preheat Other Equipment or Processes (g) 2,732 Q 1,323 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 1,807 644 1,666 | | | | | |
| Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 1,807 644 1,666 | | | | | |
| Furance Inspections (h) 1,807 644 1,666 | | Process Heating Maintenance Program that Includes the Following: | | | |
| Cleaning of Heat Transfer Equipment (i) 1,245 746 2,125 | | | | 0 | |
| | | Cleaning of Heat Transfer Equipment (i) | 1,245 | 746 | 2,125 |

| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 1,156 | 800 | 2,159 |
|--------|--|----------------|----------------|----------------------------|
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 1,732 2,036 | 553 Q | 1,830 1,693 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 2,179 | Q | 1,724 |
| 315 | Apparel | | | |
| | *************************************** | | | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 2,957 3,284 | Q 38 | 791 |
| | Implementing ISO 50001 | 50 | 0 | |
| | Energy Efficiency a part of Purchasing Decision | 1,006 | 2,400 | C |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 2,470 | Q | 1,005 |
| | Set Goals for Improving Energy Consumption | 2,246 | 788 | 823 |
| | Quantitative Goals | Q | 89 | 3,296 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 2,929 2,358 | Q 782 | 716 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2,558 | 113 | 1,185 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2,626 | Q | 1,197 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 2,784 | 77 | 995 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 2,387 | Q | 1,224 |
| | Process Heating Maintenance Program that Includes the Following: | 1,854 | 642 | 1,360 |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 1,854 | 623 | 1,648 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 1,111 | 023 | 2,325 |
| | Keep an Inventory of All Motors | 2,039 | 582 | 1,235 |
| | Detect and Control Compressed Air Leaks (I) | 2,463 | 193 | 1,200 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 2,387 | Q | 1,420 |
| 316 | Leather and Allied Product | | | |
| | Person(s) Responsible for Energy Management (c) | 340 | 120 | 196 |
| | Aware of ISO 50001 | 530 | 90 | |
| | Implementing ISO 50001 | 88 | 4 | |
| | Energy Efficiency a part of Purchasing Decision | 167 | 458 | C |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 438 325 | 52 47 | 165 283 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 325 | 21 | 630 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 609 | 12 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 381 | 74 | 200 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 399 | 76 | 180 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 339 | Q | 261 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 470 | 14 | 172 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: | 508 | D | D |
| | Furance Inspections (h) | 280 | 145 | 230 |
| | Cleaning of Heat Transfer Equipment (i) | 232 | 146 | 277 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 202 | 181 | 272 |
| | Keep an Inventory of All Motors | 316 | 115 | 224 |
| | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems | 239 407 | 157 5 | 259 243 |
| | | | | |
| 321 | Wood Products | | | |
| | Person(s) Responsible for Energy Management (c) | 6,520 | 798 | 2,117 |
| | Aware of ISO 50001 | 7,017 | 1,474 | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 1,566 2,257 | 183 6,492 | - 686 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 4.166 | 2.192 | 3,077 |
| | Set Goals for Improving Energy Consumption | 4,486 | 1,864 | 3,085 |
| | Quantitative Goals | 686 | 569 | 8,179 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 8,205 | 516 | - |
| | Conduct Audits to Identify Energy Saving Opportunities | 5,760 | 987 | 2,689 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 5,113 5,796 | 1,364 544 | 2,958 3.094 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 5,796 | 938 | 3,09 ² 2.682 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 6,325 | 335 | 2,775 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 3,507 | 3,323 | 2,605 |
| | Cleaning of Heat Transfer Equipment (i) | 3,218 | 3,513 | 2,704 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 3,384 | 3,247 3,370 | 2,80 ⁴ 2,541 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 3,524 3,224 | 3,370 | 2,541 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 6,357 | 395 | 2,683 |
| 321113 | 3 Sawmills | | | |
| | Person(s) Responsible for Energy Management (c) | 1,221 | 195 | 370 |
| | i cisonis) responsible foi chergy ividiagentent (c) | 1,221 | 133 | 370 |

| | Aware of ISO 50001 | 1,335 | 341 | == |
|--------|--|-------|-----------|-------|
| | Implementing ISO 50001 | 318 | Q | |
| | Energy Efficiency a part of Purchasing Decision | 467 | 1,247 | 72 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 766 | 435 | 586 |
| | Set Goals for Improving Energy Consumption | 864 | 412 | 511 |
| | Quantitative Goals | D | D | 1,465 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 1,603 | 111 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 1,117 | 238 | 432 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1,027 | 404 | 357 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1,203 | 143 | 441 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 989 | 308 | 490 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 1,108 | 130 | 549 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 579 | 713 | 495 |
| | Cleaning of Heat Transfer Equipment (i) | 504 | 724 | 559 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 556 | 684 | 547 |
| | Keep an Inventory of All Motors | 443 | 925 | 418 |
| | Detect and Control Compressed Air Leaks (I) | 638 | 704 | 445 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 1,195 | D | D |
| | | | | |
| 3212 | Veneer, Plywood, and Engineered Woods | | | |
| | Person(s) Responsible for Energy Management (c) | 778 | 129 | 176 |
| | Aware of ISO 50001 | 736 | 222 | |
| | Implementing ISO 50001 | 178 | 46 | |
| | Energy Efficiency a part of Purchasing Decision | 293 | 693 | 97 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 442 | 335 | 305 |
| | Set Goals for Improving Energy Consumption | 468 | 273 | 342 |
| | Quantitative Goals | 113 | 144 | 826 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 960 | 80 | 820 |
| | | | | 246 |
| | Conduct Audits to Identify Energy Saving Opportunities | 659 | 178 | |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 691 | 158 | 234 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 791 | 54 136 | 238 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 684 | | 264 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 723 | 96 | 265 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 384 | 415 | 285 |
| | Cleaning of Heat Transfer Equipment (i) | 363 | 441 | 278 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 421 | 331 | 331 |
| | Keep an Inventory of All Motors | 375 | 462 | 246 |
| | Detect and Control Compressed Air Leaks (I) | 363 | 415 | 305 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 732 | 62 | 289 |
| 321219 | Reconstituted Wood Products | | | |
| | Person(s) Responsible for Energy Management (c) | 117 | 29 | 13 |
| | Aware of ISO 50001 | 108 | 48 | |
| | Implementing ISO 50001 | 48 | D | |
| | Energy Efficiency a part of Purchasing Decision | D | 101 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 39 | 77 | Q |
| | Set Goals for Improving Energy Consumption | 52 | 57 | 49 |
| | | 25 | 29 | |
| | Quantitative Goals | | 29 46 | 104 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 112 | | |
| | Conduct Audits to Identify Energy Saving Opportunities | 58 | 74 | 26 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 115 | 26 | 17 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 132 | 14 | 12 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 92 | 55 | 11 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 107 | 40 | 11 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 30 | 118 | 9 |
| | Cleaning of Heat Transfer Equipment (i) | 29 | 120 | 9 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 23 | 94 | Q |
| | Keep an Inventory of All Motors | 44 | 74 | Q |
| | Detect and Control Compressed Air Leaks (I) | 49 | 98 | 11 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 119 | 24 | 15 |
| 3219 | Other Wood Products | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 4,384 | 456 | 1,446 |
| | Aware of ISO 50001 | 4,771 | 865 | |
| | Implementing ISO 50001 | 1,041 | Q | |
| | Energy Efficiency a part of Purchasing Decision | 1,437 | 4,395 | 453 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 2,875 | 1,368 | 2,044 |
| | Set Goals for Improving Energy Consumption | 3,055 | 1,139 | 2,092 |
| | Quantitative Goals | 384 | 276 | 5,626 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 5,432 | 319 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 3,851 | 561 | 1,874 |
| | | | | |

| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Altoware Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment of Processes (g) Process Heating Maintenance Program that Includes the Following: Furnance Inspections (h) Cleaning of Heat Trinsel Equipment (i) Cleaning of Heat Trinsel Equipment (i) Again (ii) Cleaning of Heat Trinsel Equipment (i) Again (iii) Cleaning of Heat Trinsel Equipment (i) Again (iii) Again (iii) Cleaning of Heat Trinsel Equipment (i) Again (iii) Again (iii) Cleaning of Heat Trinsel Equipment (i) Again (iii) Again (iii) Cleaning of Heat Trinsel Equipment (i) Again (iii) Person (j) Responsible for Energy Management (c) Again (iii) Again (iii) | 2,271 1,777 1,874 1,688 1,688 1,733 1,806 1,755 1,755 1,756 1,756 2,200 2,200 679 762 773 685 739 824 901 | 461 96 2,121 2,246 2,117 1,946 2,417 275 868 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 4,049 4,366 2,497 2,307 2,364 2,586 2,140 4,274 1,577 1,595 1,168 379 880 1,298 164 2,151 1,597 1,597 | 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 (l) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Paper Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
|--|---|--|---|---|
| Use Flue Gas to Preheat Other Equipment or Processes (a) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 2,497 2,121 | 1,824 1,668 1,733 1,806 1,753 1,729 1,736 565 | 96 2,121 2,246 2,117 1,946 2,417 275 868 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 4,366 2,497 2,307 2,364 2,586 2,140 4,274 1,577 1,595 1,168 379 880 1,298 164 2,151 1,597 1,597 | 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Paper Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Lifticiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Frucess Heating Maintenance Program that Includes the Following: Furance Inspections (1) 2,497 2,121 Cleaning of Heat Transfer Equipment (i) 2,307 2,246 Inspecting, Calibrating, and Adjusting Process Heating Equipment (i) 2,364 2,117 Keep an Inventory of All Motors 2,586 1,946 Detect and Control Compressed Air Leaks (i) 2,140 2,417 Track the Amount of Energy Spent in Compressed Air Systems 4,274 275 322 Paper Person(s) Responsible for Energy Management (c) 1,577 888 Aware of SO 50001 1,595 1,244 Implementing ISO 50001 1,166 75 Energy Hollowing and Processing Section 3,79 2,474 Energy Use Baseline for Comparing Energy Use in Future Years 3,79 1,244 Energy the Baseline for Comparing Energy Use in Future Years 8,89 1,485 Set Ooals for Inspecting Energy Consumption 3,79 1,246 Set Ooals for Inspecting Energy Use in Future Years 8,89 1,485 Submetering (inspecting beloand the main utility, revenue or supplier meter) 1,597 733 Energy Use Baseline for Comparing Energy Use in Future Years 1,597 733 Energy Use Baseline for Comparing Energy Use in Future Years 1,597 733 Energy Use Baseline for Comparing Energy Use in Future Years 1,597 733 English Conduct Audits to identify Energy Swing Opportunities 1,597 733 Froedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,547 700 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,547 700 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,597 736 Measure Oxygen and Carbon Dioxide Levels (f) 1,598 374 Froeces Heating Maintenance Program that Includes the Following: Furance Inspections (f) 662 1,523 Cleaning of Heat Transfer Equipment (f) 50 2 23 Aware of SO 50001 11 1 17 Implementing ISO 50001 11 1 1 17 Froeces Heating Maintenance Program that Includes the Following: Furance Inspection, Calibrating, and Adjusting Process Heating Equipment (f) D 1 23 Automation Controls Repert Co | 1,668 1,733 1,806 1,733 1,736 1,729 1,736 565 | 2,121 2,246 2,117 1,946 2,417 275 868 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 2,497 2,307 2,364 2,586 2,140 4,274 1,577 1,595 1,168 379 880 1,298 164 2,151 1,597 1,597 1,597 | 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Paper Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Furance Inspections (h) | 1,733 1,806 1,755 1,756 1,759 1,736 565 | 2,246 2,117 1,946 2,417 275 868 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 2,307 2,364 2,586 2,140 4,274 1,577 1,595 1,168 379 880 1,298 164 2,151 1,597 1,597 | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Paper Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Cleaning of Heat Transfer Equipment (i) 2,364 2,145 Inspecting, California, and Adjusting Process Heating Equipment (i) 2,364 2,117 Keep an Inventory of All Motors 2,586 1,946 Detect and Control Compressed Air Leaks (i) 2,140 2,417 Track the Amount of Energy Spent in Compressed Air Systems 4,274 275 227 Paper | 1,733 1,806 1,755 1,756 1,759 1,736 565 | 2,246 2,117 1,946 2,417 275 868 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 2,307 2,364 2,586 2,140 4,274 1,577 1,595 1,168 379 880 1,298 164 2,151 1,597 1,597 | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Paper Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 1,754 1,729 1,736 1,736 565 565 | 1,946 2,417 275 868 868 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 2,586 2,140 4,274 1,577 1,595 1,168 379 880 1,298 164 2,151 1,597 1,547 | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motor Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Paper Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Detect and Control Compressed Air Leaks (I) | 1,729 1,736 1,736 565 | 2,417 275 868 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 2,140 4,274 1,577 1,595 1,168 379 880 1,298 164 2,151 1,597 1,547 | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems Paper Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Track the Amount of Energy Spent in Compressed Air Systems | 1,736 565 | 275 868 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 1,577 1,595 1,168 379 880 1,298 164 2,151 1,597 1,547 1,870 | Track the Amount of Energy Spent in Compressed Air Systems Paper Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Person(s) Responsible for Energy Management (c) | 565 | 868 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 1,577 1,595 1,168 379 880 1,298 164 2,151 1,597 1,547 | Paper Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Les Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Person(s) Responsible for Energy Management (c) 1,577 888 Aware of SO 50001 1,595 1,244 Implementing ISO 50001 1,168 75 Energy Efficiency a part of Purchasing Decision 379 2,474 Energy Lee Baseline for Comparing Energy Use in Future Years 880 1,417 Set Goals for Improving Energy Consumption 1,298 1,088 Quantitative Goals 164 645 Submetering (metering beyond the main utility, revenue or supplier meter) 2,151 610 Conduct Audits to Identify Energy Saving Opportunities 1,597 733 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,547 700 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,597 33 Messure Oxygen and Carbon Dioxide Levels (f) 1,550 774 Use Flue Gas to Preheat Other Equipment or Processes (g) 1,896 374 Process Heating Maintenance Program that Includes the Following: 662 1,523 Furance Inspections (h) 616 1,492 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) </td <td>156 711 622 2,200 </td> <td>1,244 75 2,474 1,417 1,088 645 610 733 700 366 774</td> <td>1,595 1,168 379 880 1,298 164 2,151 1,597 1,547 1,870</td> <td>Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter)</td> | 156 711 622 2,200 | 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 1,595 1,168 379 880 1,298 164 2,151 1,597 1,547 1,870 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Aware of SO 50001 | 156 711 622 2,200 | 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 1,595 1,168 379 880 1,298 164 2,151 1,597 1,547 1,870 | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Aware of SO 50001 | 156 711 622 2,200 | 1,244 75 2,474 1,417 1,088 645 610 733 700 366 774 | 1,595 1,168 379 880 1,298 164 2,151 1,597 1,547 1,870 | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Implementing ISO 50001 | 711 622 2,200 | 75 2,474 1,417 1,088 645 610 733 700 366 774 | 1,168 379 880 1,298 164 2,151 1,597 1,547 1,870 | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Energy Lifticiency a part of Purchasing Decision 379 2,474 | 711 622 2,200 | 1,417 1,088 645 610 733 700 366 774 | 379 880 1,298 164 2,151 1,597 1,547 1,870 | Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Set Goals for Improving Energy Consumption 1,288 1,088 Quantitative Goals Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) 2,151 610 Conduct Audits to Identify Energy Saving Opportunities 1,597 733 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,547 7700 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,547 7700 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,870 366 Measure Oxygen and Carbon Dioxide Levels (f) 1,550 7774 Use Flue Gas to Preheat Other Equipment or Processes (g) 1,896 374 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 662 1,523 Cleaning of Heat Transfer Equipment (i) 662 1,523 Cleaning of Heat Transfer Equipment (i) 577 1,575 Keep an Inventory of All Motors 1,021 1,381 Detect and Control Compressed Air Leaks (i) 1,1419 1,013 Track the Amount of Energy Spent in Compressed Air Systems 1,969 383 322110 Pulp Mills Person(s) Responsible for Energy Management (c) D 23 Aware of ISO 50001 11 17 Implementing ISO 50001 11 10 17 Implementing ISO 50001 11 11 17 Implementing ISO 50001 11 10 17 Implementing ISO 50001 11 11 17 Implementing Implementing Increase Increas | 622 2,200 2,200 679 762 7733 685 739 824 9901 9011 | 1,088 645 610 733 700 366 774 | 1,298 164 2,151 1,597 1,547 1,870 | Set Goals for Improving Energy Consumption Quantitative Goal Submetering (metering beyond the main utility, revenue or supplier meter) |
| Quantitative Goals 164 645 Submetering (metering beyond the main utility, revenue or supplier meter) 2,151 610 Conduct Audits to Identify Energy Saving Opportunities 1,597 733 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,597 730 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,870 366 Measure Oxygen and Carbon Dioxide Levels (f) 1,550 774 Use Flue Gas to Preheat Other Equipment or Processes (g) 1,896 374 Process Heating Maintenance Program that Includes the Following: 662 1,523 Furance Inspections (fi) 662 1,523 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 577 1,575 Keep an Inventory of All Motors 1,021 1,381 Detect and Control Compressed Air Leaks (j) 1,419 1,013 Track the Amount of Energy Spent in Compressed Air Systems 1,969 383 322110 Pulp Mills 1 1 17 Person(s) Responsible for Energy Management (c) D 23 Aware of ISO 50001 11 1 17 Implementing ISO 50001 16 D D Energy Efficiency a part of Purchasing Decision D <td< td=""><td>2,200 </td><td>645 610 733 700 366 774</td><td>164 2,151 1,597 1,547 1,870</td><td>Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter)</td></td<> | 2,200 | 645 610 733 700 366 774 | 164 2,151 1,597 1,547 1,870 | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) |
| Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,547 700 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) 1,550 774 Use Flue Gas to Preheat Other Equipment or Processes (g) 1,896 374 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 662 1,523 Cleaning of Heat Transfer Equipment (l) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 662 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 757 Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) 774 Person(s) Responsible for Energy Spent in Compressed Air Systems 322110 Pulp Mills Person(s) Responsible for Energy Management (c) D 23 Aware of 150 50001 Energy Efficiency a part of Purchasing Decision D D Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption D D Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Conduct Audits to Identify Energy Saving Opportunities Furance Inspections (h) Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions B 16 Measure Oxygen and Carbon Dioxide Levels (f) D 23 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B 16 Measure Oxygen and Carbon Dioxide Levels (f) D 223 Duse Flue Gas to Preheat Other Equipment (p) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (f) D 25 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D Cleaning of Heat Transfer Equipment (f) D 265 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D Cept and Inventory of All Motors D 20 De | | 610 733 700 366 774 | 2,151 1,597 1,547 1,870 | Submetering (metering beyond the main utility, revenue or supplier meter) |
| Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,547 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,870 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,870 Juse Flue Gas to Preheat Other Equipment or Processes (g) 1,886 374 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Furance Inspections (h) 662 1,523 Cleaning of Heat Transfer Equipment (i) 616 1,492 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 577 1,575 Keep an Inventory of All Motors Location Control Compressed Air Leaks (l) 1,1419 1,013 Track the Amount of Energy Spent in Compressed Air Systems 1,969 383 322110 Pulp Mills Person(s) Responsible for Energy Management (c) D 23 Aware of 150 50001 D 11 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision D D 19 Energy Efficiency a part of Purchasing Decision D D 19 Energy Efficiency a part of Purchasing Decision D D 19 Countitative Goals Automation Control Comparing Energy Use in Future Years 3 25 Set Goals for Improving Energy Consumption D 19 Conduct Audits to Identify Energy Saving Opportunities Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B 16 Measure Oxygen and Carbon Dioxide Levels (f) D 23 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions D 23 Use Flue Gas to Preheat Other Equipment or Processes (g) 11 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) F | 762 773 685 739 824 901 856 | 733 700 366 774 | 1,597 1,547 1,870 | |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,547 700 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 1,550 774 Use Flue Gas to Preheat Other Equipment or Processes (g) 1,896 374 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 662 1,523 Cleaning of Heat Transfer Equipment (i) 616 1,492 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 577 1,575 Keep an Inventory of All Motors 1,021 1,381 Detect and Control Compressed Air Leaks (l) 1,419 1,013 Track the Amount of Energy Spent in Compressed Air Systems 1,969 383 322110 Pulp Mills Person(s) Responsible for Energy Management (c) D 23 Aware of SO 50001 11 11 17 Implementing ISO 50001 16 D D Energy Efficiency a part of Purchasing Decision D D Energy Use Baseline for Comparing Energy Use in Future Years 3 25 Set Goals for Improving Energy Osen Inture Years 3 25 Set Goals for Improving Energy Osen Inture Years 4 14 Submetering (metering beyond the main utility, revenue or supplier meter) 9 19 Quantitative Goals 4 14 Submetering (metering beyond the main utility, revenue or supplier meter) 9 19 Conduct Audits to Identify Energy Saving Opportunities 14 14 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) D 23 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B 16 Measure Oxygen and Carbon Dioxide Levels (f) D 25 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 25 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 25 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 225 Detect and Control Compressed Air Leaks (l) 111 | 762 773 685 739 824 901 856 | 700 366 774 | 1,547 1,870 | |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) 1,896 374 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 662 1,523 Cleaning of Heat Transfer Equipment (i) 616 1,492 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 577 1,575 Keep an Inventory of All Motors 1,021 1,381 Detect and Control Compressed Air Leaks (l) 71,583 322110 Pulp Mills Person(s) Responsible for Energy Spent in Compressed Air Systems 322110 Pulp Mills Person(s) Responsible for Energy Management (c) D 23 Aware of ISO 50001 In Implementing ISO 50001 Energy Lise Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption D 10 Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption D 19 Quantitative Goals Automation Control to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Control Sto Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Control Sto Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Control Sto Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Control Sto Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Control Sto Reduce Electricity Consumption in Times of Critical Grid Conditions B 16 Measure Oxygen and Carbon Dioxide Levels (f) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Hat Transfer Equipment (i) D 225 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) O D Elect and Control Compressed Air Leaks (l) 111 17 | 773 685 733 824 901 | 366 774 | 1,870 | |
| Measure Oxygen and Carbon Dioxide Levels (f) 1,550 774 Use Flue Gas to Preheat Other Equipment or Processes (g) 1,896 374 Process Heating Maintenance Program that Includes the Following: 152 Furance Inspections (h) 662 1,523 Cleaning of Heat Transfer Equipment (j) 577 1,575 Keep an Inventory of All Motors 1,021 1,381 Detect and Control Compressed Air Leaks (l) 1,419 1,013 Track the Amount of Energy Spent in Compressed Air Systems 1,969 383 322110 Pulp Mills D 23 Aware of ISO 50001 11 11 17 Implementing ISO 50001 16 D D Energy Efficiency a part of Purchasing Decision D D D Energy Use Baseline for Comparing Energy Use in Future Years 3 25 Set Goals for Improving Energy Use in Future Years 3 25 Set Goals for Improving Energy Consumption D 19 Quantitative Goals 4 14 Submetering (metering beyond the main utility, revenue or supplier meter) 9 19 Conduct Audits to Identify Ene | 685 739 824 901 856 | 774 | | |
| Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Geaning of Heat Transfer Equipment () Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) For Reep an Inventory of All Motors Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Track the Amount of Energy Spent in Compressed Air Systems Intended Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Intended Control Compressed Air Systems Intende | 739 824 901 856 | | | |
| Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 662 1,523 Cleaning of Heat Transfer Equipment (i) 616 1,492 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 577 1,575 Keep an Inventory of All Motors 1,381 Detect and Control Compressed Air Leaks (ii) 1,491 1,013 Track the Amount of Energy Spent in Compressed Air Systems 1,969 383 322110 Pulp Mills Person(s) Responsible for Energy Management (c) D 23 Aware of ISO 50001 11 17 Implementing ISO 50001 16 D 23 Energy Efficiency a part of Purchasing Decision D D D D Energy Use Baseline for Comparing Energy Use in Future Years 3 25 Set Goals for Improving Energy Consumption D D 19 Quantitative Goals 4 14 Submetering (metering beyond the main utility, revenue or supplier meter) 9 19 Conduct Audits to Identify Energy Saving Opportunities 14 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions D 23 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B 16 Measure Oxygen and Carbon Dioxide Levels (f) D 23 Use Flue Gas to Preheat Other Equipment or Processes (g) 11 17 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) D 25 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 25 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 22 Detect and Control Compressed Air Leaks (l) 11 17 | 824 901 856 | 3/4 | | |
| Furance Inspections (h) 662 1,523 Cleaning of Heat Transfer Equipment (i) 616 1,492 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 577 1,575 Keep an Inventory of All Motors 1,021 1,381 Detect and Control Compressed Air Leaks (l) 1,419 1,013 Track the Amount of Energy Spent in Compressed Air Systems 1,969 383 322110 Pulp Mills Person(s) Responsible for Energy Management (c) D 23 Aware of ISO 50001 11 17 Implementing ISO 50001 16 D 11 17 Implementing ISO 50001 16 D D D D D D D D D D D D D D D D D D | 901 856 | | 1,890 | |
| Cleaning of Heat Transfer Equipment () 516 1,492 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 577 1,575 Keep an Inventory of All Motors 1,021 1,381 Detect and Control Compressed Air Leaks (l) 1,013 Track the Amount of Energy Spent in Compressed Air Systems 1,969 383 322110 Pulp Mills Person(s) Responsible for Energy Management (c) D 23 Aware of ISO 50001 11 17 Implementing ISO 50001 11 17 Implementing ISO 50001 16 D 16 Energy Efficiency a part of Purchasing Decision D D D D D D D D D D D D D D D D D D D | 901 856 | 1 523 | 662 | |
| Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 577 1,575 Keep an Inventory of All Motors 1,021 1,381 Detect and Control Compressed Air Leaks (l) 1,419 1,013 Track the Amount of Energy Spent in Compressed Air Systems 1,969 383 322110 Pulp Mills Person(s) Responsible for Energy Management (c) D 23 Aware of ISO 50001 11 17 Implementing ISO 50001 16 D 17 Implementing ISO 50001 16 D D D D D D D D D D D D D D D D D D | 856 | | | |
| Keep an Inventory of All Motors 1,021 1,381 Detect and Control Compressed Air Leaks (I) 1,419 1,013 Track the Amount of Energy Spent in Compressed Air Systems 1,969 383 322110 Pulp Mills Person(s) Responsible for Energy Management (c) D 23 Aware of ISO 50001 11 17 Implementing ISO 50001 16 D Energy Efficiency a part of Purchasing Decision D D Energy Use Baseline for Comparing Energy Use in Future Years 3 25 Set Goals for Improving Energy Consumption D 19 Quantitative Goals 4 14 Submetering (metering beyond the main utility, revenue or supplier meter) 9 19 Conduct Audits to Identify Energy Saving Opportunities 14 14 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions D 23 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 8 16 Measure Oxygen and Carbon Dioxide Levels (f) D 23 Use Flue Gas to Preheat Other Equipment or Processes (g) 11 17 Process Heating Maintenance Program that includes the Following: 0 D Even an Inventory of All Motors 0 25 < | | | | |
| Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems 322110 Pulp Mills Person(s) Responsible for Energy Management (c) D 23 Aware of ISO 50001 11 11 17 Implementing ISO 50001 16 D Energy Efficiency a part of Purchasing Decision D Energy Lise Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption D 19 Quantitative Goals Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions D 23 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B 16 Measure Oxygen and Carbon Dioxide Levels (f) D 23 Use Flue Gas to Preheat Other Equipment or Processes (g) Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) D Keep an Inventory of All Motors Detect and Control Control reads (Leaks (ii) 11 17 | 607 | | | |
| Person(s) Responsible for Energy Management (c) | 576 | | 1,419 | Detect and Control Compressed Air Leaks (I) |
| Person(s) Responsible for Energy Management (c) D 23 Aware of ISO 50001 11 17 Implementing ISO 50001 16 D Energy Efficiency a part of Purchasing Decision D D Energy Use Baseline for Comparing Energy Use in Future Years 3 25 Set Goals for Improving Energy Consumption D 19 Quantitative Goals 4 14 Submetering (metering beyond the main utility, revenue or supplier meter) 9 19 Conduct Audits to Identify Energy Saving Opportunities 14 14 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions D 23 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B 16 Measure Oxygen and Carbon Dioxide Levels (f) D 23 Use Flue Gas to Preheat Other Equipment or Processes (g) 11 17 Process Heating Maintenance Program that Includes the Following: D 23 Furance Inspections (h) D D 25 Cleaning of Heat Transfer Equipment (i) D 25 Inspect | 656 | 383 | 1,969 | Track the Amount of Energy Spent in Compressed Air Systems |
| Person(s) Responsible for Energy Management (c) D 23 Aware of ISO 50001 11 17 Implementing ISO 50001 16 D Energy Efficiency a part of Purchasing Decision D D Energy Use Baseline for Comparing Energy Use in Future Years 3 25 Set Goals for Improving Energy Consumption D 19 Quantitative Goals 4 14 Submetering (metering beyond the main utility, revenue or supplier meter) 9 19 Conduct Audits to Identify Energy Saving Opportunities 14 14 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions D 23 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B 16 Measure Oxygen and Carbon Dioxide Levels (f) D 23 Use Flue Gas to Preheat Other Equipment or Processes (g) 11 17 Process Heating Maintenance Program that Includes the Following: D 23 Furance Inspections (h) D D 25 Cleaning of Heat Transfer Equipment (i) D 25 Inspect | | | | Pulo Mills |
| Aware of ISO 50001 | | | | |
| Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years 3 25 Set Goals for Improving Energy Consumption D 19 Quantitative Goals Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) 9 19 Conduct Audits to Identify Energy Saving Opportunities 14 14 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions D 23 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B 16 Measure Oxygen and Carbon Dioxide Levels (f) D 23 Use Flue Gas to Preheat Other Equipment or Processes (g) 11 17 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) D 25 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 0 Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) 11 17 | D | | | |
| Energy Efficiency a part of Purchasing Decision | | | | |
| Energy Use Baseline for Comparing Energy Use in Future Years 3 25 | D | | | Implementing ISO 50001 |
| Set Goals for Improving Energy Consumption D 19 Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) 9 19 Conduct Audits to Identify Energy Saving Opportunities 14 14 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions D 23 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 8 16 Measure Oxygen and Carbon Dioxide Levels (f) D 23 Use Flue Gas to Preheat Other Equipment or Processes (g) 11 17 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 0 D Cleaning of Heat Transfer Equipment (i) D 25 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 0 D Keep an Inventory of All Motors 0 22 Detect and Control Compressed Air Leaks (l) 11 17 | 0 | | | |
| Quantitative Goals Quantitative Goals Quantitative Goals At Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Conduct Audits to Identify Energy Saving Opportunities At Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions B Use Flue Gas to Preheat Other Equipment or Processes (g) Use Flue Gas to Preheat Other Equipment or Processes (g) Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) D Cleaning of Heat Transfer Equipment (i) D Cleaning of Heat Transfer Equipment (i) Reep an Inventory of All Motors D Detect and Control Compressed Air Leaks (l) 11 17 | | | | |
| Submetering (metering beyond the main utility, revenue or supplier meter) 9 19 Conduct Audits to Identify Energy Saving Opportunities 14 14 14 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions D 23 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 8 16 Measure Oxygen and Carbon Dioxide Levels (f) D 23 Use Flue Gas to Preheat Other Equipment or Processes (g) 11 177 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) D D 25 Cleaning of Heat Transfer Equipment (i) D 25 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 0 25 Cleaning of Heat Transfer Foundating Foundating Equipment (j) D 25 Detect and Control Compressed Air Leaks (l) 11 177 | 9 | | | |
| Conduct Audits to Identify Energy Saving Opportunities | | | 9 | |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) Use Flue Gas to Preheat Other Equipment or Processes (g) Frocess Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) D Cleaning of Heat Transfer Equipment (i) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) 11 17 | 0 | | 14 | |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 8 16 | D | | | |
| Use Flue Gas to Preheat Other Equipment or Processes (g) 11 17 Process Heating Maintenance Program that Includes the Following: | 3 | 16 | 8 | |
| Process Heating Maintenance Program that Includes the Following: 0 D Furance Inspections (h) 0 D 25 Cleaning of Heat Transfer Equipment (i) 0 D 25 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 0 D 0 D Keep an Inventory of All Motors 0 22 Detect and Control Compressed Air Leaks (l) 11 17 | D | 23 | D | |
| Furance Inspections (h) 0 D Cleaning of Heat Transfer Equipment (i) D 25 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 0 D Keep an Inventory of All Motors 0 22 Detect and Control Compressed Air Leaks (l) 11 17 | 0 | 17 | 11 | Use Flue Gas to Preheat Other Equipment or Processes (g) |
| Cleaning of Heat Transfer Equipment (i) | | | | |
| Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 0 D | D | | | |
| Keep an Inventory of All Motors 0 22 Detect and Control Compressed Air Leaks (I) 11 17 | D | | | |
| Detect and Control Compressed Air Leaks (I) 11 17 | D | | | |
| | 6 | | | |
| Track the Amount of Energy Spent in Compressed Air Systems 20 5 | 0 | | | |
| | | 5 | | Track the Amount of Energy Spent in Compressed Air Systems |
| 322121 Paper Mills, except Newsprint | | | | Paper Mills, except Newsprint |
| Person(s) Responsible for Energy Management (c) 33 116 | | 116 | 33 | Parson(s) Regnanciale for Engray Management (s) |
| Aware of ISO 50001 70 84 | | | | |
| Implementing ISO 50001 | | | | |
| Energy Efficiency a part of Purchasing Decision D 145 | D | | | |
| Energy Use Baseline for Comparing Energy Use in Future Years 7 132 | 16 | | | |
| Set Goals for Improving Energy Consumption 32 115 | 8 | 115 | 32 | |
| Quantitative Goals 15 91 | | 91 | 15 | Quantitative Goals |
| Submetering (metering beyond the main utility, revenue or supplier meter) 34 121 | 50 | 121 | 34 | Submetering (metering beyond the main utility, revenue or supplier meter) |
| Conduct Audits to Identify Energy Saving Opportunities 37 101 | 50 | | | |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 50 96 | | | | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 114 25 | | 7E | | |
| Massura Ovigan and Carbon Diovide Loyals (f) | | | 21 | Measure Oxygen and Carbon Dioxide Levels (f) |
| | 18 9 17 7 | 128 | | Use Flue Gas to Preheat Other Equipment or Processes (g) |
| Use Flue Gas to Preheat Other Equipment or Processes (g) 43 102 | | 128 | 43 | Process Heating Maintenance Program that Includes the Following: |
| Use Flue Gas to Preheat Other Equipment or Processes (g) 43 102 Process Heating Maintenance Program that Includes the Following: | 18 9 17 7 7 | 128 102 | | |
| Use Flue Gas to Preheat Other Equipment or Processes (g) 43 102 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) 17 129 | 18 9 17 7 11 | 128 102 129 | 17 | Furance Inspections (h) |
| Use Flue Gas to Preheat Other Equipment or Processes (g) 43 102 Process Heating Maintenance Program that includes the Following: | 18 9 17 7 7 | 128 102 129 117 | 17 30 | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) |

| | Keep an Inventory of All Motors | 9 | 139 | 8 |
|--------|--|----------------|------------|----------------|
| | Detect and Control Compressed Air Leaks (I) | 77 | 73 | 7 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 92 | 55 | 9 |
| 322122 | Newsprint Mills | | | |
| JELILE | 10CW3pt IIIC 191113 | | | |
| | Person(s) Responsible for Energy Management (c) | D | 4 | D |
| | Aware of ISO 50001 | Ď | 9 | |
| | Implementing ISO 50001 | 9 D | 0 | 0 |
| | Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | D D | D 8 | 0 D |
| | Set Goals for Improving Energy Consumption | D | | D |
| | Quantitative Goals | D | 5 | D |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 3 | 8 | |
| | Conduct Audits to Identify Energy Saving Opportunities | D | 7 | D |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | D | 7 | D |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | D D | 7 8 | D D |
| | Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | ט D | 7 | ט D |
| | Process Heating Maintenance Program that Includes the Following: | b | ······ | |
| | Furance Inspections (h) | D | 8 | D |
| | Cleaning of Heat Transfer Equipment (i) | D | 5 | D |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | D | 8 | D |
| | Keep an Inventory of All Motors | D | 8 | D |
| | Detect and Control Compressed Air Leaks (I) | D | <u>7</u> | D |
| | Track the Amount of Energy Spent in Compressed Air Systems | 7 | D | D |
| 322130 | Paperboard Mills | | | |
| 322130 | | | | |
| | Person(s) Responsible for Energy Management (c) | 38 | 81 | 24 |
| | Aware of ISO 50001 | 90 | 46 | |
| | Implementing ISO 50001 | 41 | 5 | |
| | Energy Efficiency a part of Purchasing Decision | 5 | 134 | 5 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 9 | 118 | 15 |
| | Set Goals for Improving Energy Consumption | 22 | 109 | 11 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 18 60 | 79 79 | 47 |
| | Conduct Audits to Identify Energy Saving Opportunities | 44 | 65 | 34 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 30 | 84 | 29 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 70 | 40 | 33 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 19 | 95 | 29 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 27 | 82 | 35 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 14 | 105 | 24 |
| | Cleaning of Heat Transfer Equipment (i) | 19 8 | 99 112 | 26 23 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | | 112 | 23 |
| | Detect and Control Compressed Air Leaks (I) | 42 | 73 | 28 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 63 | 51 | 29 |
| | | | | |
| 323 | Printing and Related Support | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 9,339 | 1,361 | 1,914 |
| | Aware of ISO 50001 | 10,258 | 1,765 | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 1,603 2,609 | Q 9,413 | 592 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 7,850 | 1,974 | 2,791 |
| | Set Goals for Improving Energy Consumption | 7,636 | 1,902 | 3,076 |
| | Quantitative Goals | 646 | 1,074 | 10,894 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 11,648 | 374 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 9,370 | 1,121 | 2,122 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8,511 | 1,632 | 2,472 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 9,373 | 769 | 2,472 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 9,022 9,080 | 399 608 | 3,193 2,926 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: | 9,080 | 608 | 2,926 |
| | Furance Inspections (h) | 4,929 | 4,051 | 3,634 |
| | Cleaning of Heat Transfer Equipment (i) | 4,870 | 3,836 | 3,908 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 4,991 | 3,502 | 4,122 |
| | Keep an Inventory of All Motors | 7,176 | 2,591 | 2,847 |
| | Detect and Control Compressed Air Leaks (I) | 6,955 | 2,617 | 3,042 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 9,407 | 64 | 3,143 |
| 224 | Datuslaum and Coal Deadusts | | | |
| 324 | Petroleum and Coal Products | | | |
| | Person(s) Responsible for Energy Management (c) | 678 | 633 | 572 |
| | Aware of ISO 50001 | 1,075 | 697 | |
| | | | | |

| | Implementing ISO 50001 | 623 | 77 | |
|--------|--|-----------------|----------------|------------|
| | Energy Efficiency a part of Purchasing Decision | 446 | 1,329 | 108 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 432 | 838 | 613 |
| | Set Goals for Improving Energy Consumption | 512 | 780 | 591 |
| | Quantitative Goals | 332 | 355 | 1,196 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 1,492 | 271 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 862 | 370 | 651 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 820 1,008 | 418 222 | 645 653 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 323 | 839 | 720 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 778 | 358 | 747 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 287 | 1,058 | 538 |
| | Cleaning of Heat Transfer Equipment (i) | 250 | 1,087 | 546 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 196 | 1,175 | 513 |
| | Keep an Inventory of All Motors | 382 765 | 918 503 | 583 |
| | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems | 1.145 | 100 | 615 638 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 1,143 | 100 | 038 |
| 324110 | Petroleum Refineries | | | |
| | Person(s) Responsible for Energy Management (c) | 25 | 102 | 9 |
| | Aware of ISO 50001 | 68 | 60 | 9 |
| | Implementing ISO 50001 | 51 | 9 | |
| | Energy Efficiency a part of Purchasing Decision | D | 119 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 8 | 118 | 10 |
| | Set Goals for Improving Energy Consumption | 31 | 96 | 9 |
| | Quantitative Goals | 13 | 76 | 47 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 34 | 97 78 | 13 |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 45 60 | | 13 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 89 | | 25 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 6 | 120 | 9 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 17 | 114 | 6 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 6 | 122 | 8 |
| | Cleaning of Heat Transfer Equipment (i) | 4 | 121 | 10 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | D D | 125 126 | D D |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 79 | 39 | 18 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 96 | 22 | 18 |
| | | | | |
| 324121 | Asphalt Paving Mixture and Block | | | |
| | Person(s) Responsible for Energy Management (c) | 426 | 442 | 421 |
| | Aware of ISO 50001 | 717 | 508 | |
| | Implementing ISO 50001 | 453 | 56 | |
| | Energy Efficiency a part of Purchasing Decision | 313 | 915 | 61 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 286 290 | 553 555 | 450 444 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 294 | 196 | 799 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 1,094 | 129 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 568 | 230 | 491 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 506 | 301 | 482 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 631 | 170 | 488 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 185 | 564 | 540 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 521 | 179 | 589 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 186 | 715 | 388 |
| | Cleaning of Heat Transfer Equipment (i) | 179 | 719 | 388 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 111 | 815 | 363 |
| | Keep an Inventory of All Motors | 264 | 582 | 443 |
| | Detect and Control Compressed Air Leaks (I) | 498 | 336 | 455 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 770 | 50 | 470 |
| 324122 | Asphalt Shingle and Coating Materials | | | |
| | Person(s) Responsible for Energy Management (c) | 66 | 40 | 63 |
| | Aware of ISO 50001 | 110 | 40 54 | |
| | Implementing ISO 50001 | 48 | 6 | |
| | Energy Efficiency a part of Purchasing Decision | 63 | 102 | 4 |
| | Lifergy Efficiency a part of Furchashing Decision | | | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 49 | 63 | 56 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 59 | 57 | 52 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 59 15 | 57 32 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 59 15 129 | 57 32 27 | 52 121 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 59 15 | 57 32 | 52 |

| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 97 | 10 | 60 |
|--------|--|-------------------------|-------------------------|----------------|
| | Measure Oxygen and Carbon Dioxide Levels (f) | 42 | 56 | 70 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 81 | 29 | 59 |
| | Process Heating Maintenance Program that Includes the Following: | 16 | 94 | 58 |
| | Furance Inspections (h) | 15 | 94 | 58 |
| | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 12 | 101 | 55 |
| | Keep an Inventory of All Motors | 21 | 94 | 52 |
| | Detect and Control Compressed Air Leaks (I) | 52 | 61 | 55 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 91 | 15 | 62 |
| | | | | |
| 324191 | Petroleum Lubricating Oil and Grease Products | | | |
| | Person(s) Responsible for Energy Management (c) | 124 | 28 | 59 |
| | Aware of ISO 50001 | 127 | 50 | |
| | Implementing ISO 50001 | 47 | D | |
| | Energy Efficiency a part of Purchasing Decision | 42 | 134 | Q |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 64 | 73 | 74 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 97 6 | 46 36 | 68 168 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 172 | | 100 |
| | Conduct Audits to Identify Energy Saving Opportunities | 132 | 20 | 59 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 131 | 20 | 60 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 137 | 11 | 62 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 62 | 68 | 81 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 117 | 19 | 75 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furnance Inspections (h) | 61 | 84 | 67 |
| | Cleaning of Heat Transfer Equipment (i) | 34 | 108 | 68 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 60 | 85 | 67 |
| | Keep an Inventory of All Motors | 78 | 72 | 60 |
| | Detect and Control Compressed Air Leaks (I) | 99 | 44 | 67 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 131 | 10 | 70 |
| 324199 | Other Petroleum and Coal Products | | | |
| | Person(s) Responsible for Energy Management (c) | 38 | 22 | 19 |
| | Aware of ISO 50001 | 53 | 24 | |
| | Implementing ISO 50001 | 24 | D | |
| | Energy Efficiency a part of Purchasing Decision | D | 59 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 26 | 31 | 23 |
| | Set Goals for Improving Energy Consumption | 34 | 26 | 19 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 4 64 | 15 13 | 60 |
| | Conduct Audits to Identify Energy Saving Opportunities | 49 | 14 | 16 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 45 | 15 | 18 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 53 | 8 | 18 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 28 | 30 | 21 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 43 | 17 | 19 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 18 | 44 | 17 |
| | Cleaning of Heat Transfer Equipment (i) | 19 | 41 | 18 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | D | 48 | D |
| | Keep an Inventory of All Motors | D | 43 | D |
| | Detect and Control Compressed Air Leaks (I) | 37 | 22 | 20 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 57 | 3 | 19 |
| 325 | Chemicals | | | |
| | Person(s) Responsible for Energy Management (c) | 4,436 | 2,585 | 1,881 |
| | Aware of ISO 50001 | 5,026 | 3,259 | |
| | Implementing ISO 50001 | 2,812 | 422 | |
| | Energy Efficiency a part of Purchasing Decision | 2,035 | 6,301 | 566 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 2,326 | 4,163 | 2,413 |
| | Set Goals for Improving Energy Consumption | 3,450 | 3,082 | 2,370 |
| | Quantitative Goals | 569 | 2,242 | 6,091 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 6,519 | 1,834 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 4,916 | 1,879 | 2,107 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4,996 5.597 | 1,612 956 | 2,295 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 5,597 3.869 | 956 2.419 | 2,349 2,615 |
| | Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 3,869 5,337 | 2,419 1,158 | 2,615 |
| | | J,33/ | 1,130 | 2,407 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 1 774 | 4.695 | 2 433 |
| | Furance Inspections (h) | 1,774 1.591 | 4,695 4.754 | 2,433 2,557 |
| | | 1,774 1,591 1,213 | 4,695 4,754 5,345 | |

| | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems | 3,362 5,508 | 3,371 883 | 2,169 2,511 |
|--------|---|----------------|--------------|----------------|
| 325110 | Petrochemicals | | | |
| | Person(s) Responsible for Energy Management (c) | 19 | 29 | 18 |
| | Aware of ISO 50001 | 44 | 21 | |
| | Implementing ISO 50001 | 15 | 5 | |
| | Energy Efficiency a part of Purchasing Decision | 25 17 | 41 | (|
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 23 | 29 | 16 15 |
| | Quantitative Goals | 4 | 21 | 4: |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 38 | 28 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 24 | 23 | 18 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 34 40 | 14 7 | 17 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 18 | 43 | 1 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 24 | 26 | 10 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 16 | 45 | |
| | Cleaning of Heat Transfer Equipment (i) | 16 | 45 | |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 16 17 | 47 35 | 14 |
| | Detect and Control Compressed Air Leaks (I) | 31 | 18 | 17 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 31 | | |
| | | | | |
| 325120 | Industrial Gases | | | |
| | Dans of a Dans and the factor of the same | 36 143 | 15 | 15 |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 143 143 | 187 236 | 195 |
| | Implementing ISO 50001 | 236 | 0 | |
| | Energy Efficiency a part of Purchasing Decision | 59 | 316 | 150 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 65 | 237 | 222 |
| | Set Goals for Improving Energy Consumption | 108 | 218 | 199 |
| | Quantitative Goals | Q | 207 | 283 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 173 189 | 209 123 | 212 |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 259 | 109 | 157 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 270 | 90 | 165 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 273 | Q | 239 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 307 | 7 | 211 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 133 Q | 153 235 | 239 217 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 74 | 208 | 243 |
| | Keep an Inventory of All Motors | 105 | 232 | 188 |
| | Detect and Control Compressed Air Leaks (I) | 125 | 184 | 216 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 165 | 113 | 247 |
| 325180 | Other Basic Inorganic Chemicals | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 253 287 | 160 200 | 88 |
| | Aware of ISO 50001 Implementing ISO 50001 | 172 | 200 | |
| | Energy Efficiency a part of Purchasing Decision | 90 | 370 | C |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 136 | 257 | 108 |
| | Set Goals for Improving Energy Consumption | 236 | 186 | 80 |
| | Quantitative Goals | Q | 118 | 342 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 315 | 170 | - |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 268 266 | 144 122 | 89 113 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 334 | 45 | 122 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 203 | 167 | 131 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 230 | 133 | 138 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 106 | 239 | 155 |
| | Cleaning of Heat Transfer Equipment (i) | 102 88 | 241 261 | 158 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 109 | 316 | 152 76 |
| | Detect and Control Compressed Air Leaks (I) | 252 | 173 | 76 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 341 | 72 | 88 |
| 275102 | | | | |
| 325193 | Ethyl Alcohol | | | |
| | Person(s) Responsible for Energy Management (c) | 74 | 91 | 42 |
| | Aware of ISO 50001 | 115 | 80 | |
| | Implementing ISO 50001 | 75 | 5 | |

| | Energy Efficiency a part of Purchasing Decision | D | 165 | D |
|--------|---|--|---|---|
| | Energy Use Baseline for Comparing Energy Use in Future Years | 9 | 155 | 43 |
| | Set Goals for Improving Energy Consumption | 22 | 139 | 46 |
| | Quantitative Goals | 17 | 103 | 87 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 82 | 122 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 59 | 79 | 69 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 86 | 62 | 59 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 120 | 23 | 64 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | D | 145 | D |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 22 | 113 | 72 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 19 | 140 | 48 |
| | Cleaning of Heat Transfer Equipment (i) | Q | 157 | 47 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | Q | 157 | 47 |
| | Keep an Inventory of All Motors | D | 166 | D |
| | Detect and Control Compressed Air Leaks (I) | 59 | 90 | 59 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 102 | 43 | 62 |
| | | | | |
| 325194 | Cyclic Crudes, Intermediate and Gum and Wood Chemicals | | | |
| | Person(s) Responsible for Energy Management (c) | 35 | 23 | 3 |
| | Aware of ISO 50001 | 22 | 38 | |
| | Implementing ISO 50001 | 37 | D | |
| | Energy Efficiency a part of Purchasing Decision | D | D | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 5 | 29 | 27 |
| | Set Goals for Improving Energy Consumption | 13 | 45 | 3 |
| | Quantitative Goals | 3 | 14 | 43 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 13 | 46 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 39 | 19 | 3 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 43 | 9 | 8 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 52 | 3 | 6 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 10 | 21 | 30 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 41 | 16 | 4 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 5 | 52 | 4 |
| | Cleaning of Heat Transfer Equipment (i) | D | 52 | D |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | D | 54 | D |
| | Keep an Inventory of All Motors | 29 | 29 | 3 |
| | Detect and Control Compressed Air Leaks (I) | 17 | 41 | 3 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 45 | 8 | 7 |
| | | | | |
| 325199 | Other Basic Organic Chemicals | | | |
| | | 159 | 181 | 184 |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 199 | | 184 |
| | Implementing ISO 50001 | | | |
| | | 100 | 251 | |
| | | 180 | 58 | |
| | Energy Efficiency a part of Purchasing Decision | 79 | 58 376 | 69 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 79 62 | 58 376 320 | 142 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 79 62 123 | 58 376 320 232 | 142 169 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 79 62 | 58 376 320 | 142 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 79 62 123 59 220 | 58 376 320 232 123 226 | 142 169 342 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 79 62 123 59 220 | 58 376 320 232 123 226 178 | 142 169 342 162 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 79 62 123 59 220 184 215 | 58 376 320 232 123 226 178 | 142 169 342 162 217 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 79 62 123 59 220 | 58 376 320 232 123 226 178 92 39 | 142 169 342 162 217 207 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 79 62 123 59 220 184 215 278 | 58 376 320 232 123 226 178 92 39 263 | 142 169 342 - 162 217 207 191 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 79 62 123 59 220 184 215 278 | 58 376 320 232 123 226 178 92 39 | 142 169 342 162 217 207 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 79 62 123 59 220 184 215 278 | 58 376 320 232 123 226 178 92 39 263 | 142 169 342 - 162 217 207 191 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) | 79 62 123 59 220 184 215 278 71 163 | 58 376 320 232 123 226 178 92 39 263 159 | 142 169 342 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) | 79 62 123 59 220 184 215 278 71 163 | 58 376 320 232 123 226 178 92 39 263 159 | 142 169 342 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (j) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 79 62 123 59 220 184 215 278 71 163 43 42 | 58 376 320 232 123 226 178 92 39 263 159 323 318 | 142 169 342 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) | 79 62 123 59 220 184 215 278 71 163 | 58 376 320 232 123 226 178 92 39 263 159 | 142 169 342 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (j) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 | 58 376 320 232 123 226 178 92 39 263 159 323 318 353 318 | 142 169 342 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 | 58 376 376 370 232 123 123 226 178 92 39 263 159 323 318 353 318 | 142 169 342 |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 | 58 376 376 370 232 123 123 226 178 92 39 263 159 323 318 353 318 | 142 169 342 |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 253 | 58 376 320 232 123 226 178 92 39 263 159 323 318 353 318 183 64 | 142 169 342 ——————————————————————————————————— |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Plastics Materials and Resins Person(s) Responsible for Energy Management (c) | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 253 | 58 376 376 320 232 123 226 178 92 39 263 159 323 318 353 318 183 64 | 142 169 342 |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Plastics Materials and Resins | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 253 | 58 376 376 320 232 123 123 226 178 92 39 263 159 323 318 353 318 183 64 | 142 169 342 ——————————————————————————————————— |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (r) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Plastics Materials and Resins Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 253 | 58 376 376 320 232 123 226 178 92 39 263 159 323 318 338 353 318 433 64 | 142 169 342 217 207 191 202 158 164 155 143 198 207 |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Plastics Materials and Resins Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 253 339 422 243 | 58 376 376 376 376 370 223 123 123 226 178 92 39 263 159 323 318 353 318 183 64 309 309 329 73 651 | 142 169 342 |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Plastics Materials and Resins Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Implementing ISO 50001 Energy USe Baseline for Comparing Energy Use in Future Years | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 253 339 423 243 105 258 | 58 376 376 320 232 123 226 178 92 39 263 159 323 318 353 318 353 318 40 309 329 73 651 | 142 169 342 |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (f) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Plastics Materials and Resins Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 253 339 423 243 105 258 257 | 58 376 376 320 232 123 226 178 92 39 263 159 323 318 353 318 441 346 | 142 169 342 217 207 191 202 158 164 165 143 198 207 165 Q Q |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Plastics Materials and Resins Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 253 339 423 243 105 258 257 83 | \$8 376 320 322 123 123 226 178 92 39 263 159 323 318 353 318 183 64 309 329 73 651 411 346 238 | 142 169 342 |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (f) Cleaning of Heat Transfer Equipment (f) Inspecting, Calibrating, and Adjusting Process Heating Equipment (f) Reep an Inventory of All Motors Detect and Control Compressed Air Leaks (f) Track the Amount of Energy Spent in Compressed Air Systems Plastics Materials and Resins Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 253 339 423 243 105 258 257 83 508 | 58 376 376 320 320 232 123 226 178 92 39 263 159 323 318 353 318 413 364 309 329 73 651 411 346 238 | 142 169 342 |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Plastics Materials and Resins Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 253 339 423 243 105 258 257 83 508 | 58 376 376 320 320 232 123 226 178 92 39 263 159 323 318 318 353 318 4183 64 309 329 73 651 411 346 238 248 219 | 142 169 342 |
| 325211 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (f) Cleaning of Heat Transfer Equipment (f) Inspecting, Calibrating, and Adjusting Process Heating Equipment (f) Reep an Inventory of All Motors Detect and Control Compressed Air Leaks (f) Track the Amount of Energy Spent in Compressed Air Systems Plastics Materials and Resins Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 79 62 123 59 220 184 215 278 71 163 43 42 16 62 143 253 339 423 243 105 258 257 83 508 | 58 376 376 320 320 232 123 226 178 92 39 263 159 323 318 353 318 413 364 309 329 73 651 411 346 238 | 142 169 342 |

| | Measure Oxygen and Carbon Dioxide Levels (f) | 377 511 | 242 138 | 194 163 |
|--------|---|------------|------------|--------------|
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 511 | 138 | 163 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 154 | 485 | 174 |
| | Cleaning of Heat Transfer Equipment (i) | 175 | 448 | 190 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 112 | 535 | 167 |
| | Keep an Inventory of All Motors | 269 | 410 | 133 |
| | Detect and Control Compressed Air Leaks (I) | 387 | 271 | 155 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 507 | 114 | 192 |
| 325212 | Synthetic Rubber | | | |
| | Person(s) Responsible for Energy Management (c) | 42 | 28 | 17 |
| | Aware of ISO 50001 | 43 | 41 | |
| | Implementing ISO 50001 | 36 | 5 | |
| | Energy Efficiency a part of Purchasing Decision | 13 | 67 | 8 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 25 | 42 | 20 |
| | Set Goals for Improving Energy Consumption | 28 7 | 40 | 19 |
| | Quantitative Goals | | 28 27 | 52 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 54 56 | 27 17 | 15 |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 55 | 19 | 13 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 65 | 6 | 16 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 37 | 28 | 22 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 53 | 16 | 17 |
| | Process Heating Maintenance Program that Includes the Following: | | | - |
| | Furance Inspections (h) | 25 | 46 | 16 |
| | Cleaning of Heat Transfer Equipment (i) | 25 | 45 | 17 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 15 | 55 | 17 |
| | Keep an Inventory of All Motors | 25 | 45 | 17 |
| | Detect and Control Compressed Air Leaks (I) | 46 | 28 | 13 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 66 | 7 | 13 |
| 325220 | Artificial and Synthetic Fibers and Filaments | | | |
| | Person(s) Responsible for Energy Management (c) | 39 | 41 | 19 |
| | Aware of ISO 50001 | 56 | 40 | 19 |
| | Implementing ISO 50001 | 35 | 6 | |
| | Energy Efficiency a part of Purchasing Decision | D | 86 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 32 | 47 | 20 |
| | Set Goals for Improving Energy Consumption | 33 | 48 | 19 |
| | Quantitative Goals | 7 | 35 | 57 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 68 | 27 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 56 | 27 | 16 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 46 | 28 | 26 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 63 | 12 | 24 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 47 63 | 28 13 | 24 23 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: | | 13 | 23 |
| | Furance Inspections (h) | 25 | 50 | 24 |
| | Cleaning of Heat Transfer Equipment (i) | 25 | 48 | 27 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 23 | 53 | 23 |
| | Keep an Inventory of All Motors | 31 | 52 | 16 |
| | Detect and Control Compressed Air Leaks (I) | 34 | 38 | 27 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 47 | 22 | 30 |
| 325311 | Nitrogenous Fertilizers | | | |
| | | | | 9 |
| | Person(s) Responsible for Energy Management (c) | 50 | 89 | 9 |
| | Aware of ISO 50001 | 125 | 23 D | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 21 D | 119 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 22 | 98 | Q |
| | Set Goals for Improving Energy Consumption | 102 | 16 | a |
| | Quantitative Goals | 3 | 13 | 132 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 114 | 34 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 124 | 13 | 11 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 121 | Q | 12 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 128 | 6 | 15 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 23 | 98 | Q |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 95 | 27 | Q |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | Q | 113 | Q |
| | Cleaning of Heat Transfer Equipment (i) | 8 | 102 | 38 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | Q | 114 | Q |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 84 35 | 39 79 | Q |
| | Detect and Control Compressed Air Leaks (I) | 35 | /9 | Q |

| | Track the Amount of Energy Spent in Compressed Air Systems | 118 | 5 | Q |
|--------|---|------------|------------|------------|
| 325312 | Phosphatic Fertilizers | | | |
| | Person(s) Responsible for Energy Management (c) | 22 | 5 | 27 |
| | Aware of ISO 50001 | 35 | 11 | |
| | Implementing ISO 50001 | 11 | 0 | |
| | Energy Efficiency a part of Purchasing Decision | D | D | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 10 9 | 5 | 40 25 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 9 D | 20 D | 43 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 40 | 9 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 21 | 5 | 28 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 19 | 3 | 33 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 18 | 3 | 34 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 12 | 15 | 29 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 22 | 4 | 29 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | | 19 | 26 |
| | Cleaning of Heat Transfer Equipment (i) | 11 | 18 | 26 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 9 | 19 | 26 |
| | Keep an Inventory of All Motors | D | 33 | D |
| | Detect and Control Compressed Air Leaks (I) | 12 | 17 | 26 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 17 | 3 | 35 |
| 3254 | Pharmaceuticals and Medicines | | | |
| | Person(s) Responsible for Energy Management (c) | 483 | 429 | 415 |
| | Aware of ISO 50001 | 483 728 | 392 | 415 |
| | Implementing ISO 50001 | 353 | 40 | |
| | Energy Efficiency a part of Purchasing Decision | 331 | 915 | 81 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 355 | 518 | 453 |
| | Set Goals for Improving Energy Consumption | 444 | 404 | 480 |
| | Quantitative Goals | 37 | 287 | 1,003 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 1,066 | 173 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 657 760 | 280 182 | 391 385 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 788 | 102 | 437 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 588 | 364 | 375 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 841 | 94 | 392 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 319 | 689 | 318 |
| | Cleaning of Heat Transfer Equipment (i) | 293 | 702 | 332 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 204 | 772 | 351 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 480 477 | 486 513 | 361 337 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 840 | 82 | 406 |
| | | | | |
| 325412 | Pharmaceutical Preparation | | | |
| | Person(s) Responsible for Energy Management (c) | 254 | 234 | 229 |
| | Aware of ISO 50001 | 334 | 247 | |
| | Implementing ISO 50001 | 216 | 32 | |
| | Energy Efficiency a part of Purchasing Decision | 212 | 494 | 10 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 189 192 | 279 244 | 249 282 |
| | Quantitative Goals | 28 | 170 | 519 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 618 | 84 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 334 | 156 | 228 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 398 | 101 | 218 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 416 | 32 | 268 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 346 | 153 | 218 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 432 | 52 | 233 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 186 | 319 | 213 |
| | Cleaning of Heat Transfer Equipment (i) | 150 | 346 | 213 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 109 | 390 | 218 |
| | Keep an Inventory of All Motors | 267 | 230 | 220 |
| | Detect and Control Compressed Air Leaks (I) | 225 | 272 | 220 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 450 | 47 | 220 |
| 325992 | Photographic Film, Paper, Plate, and Chemicals | | | |
| 343334 | Person(s) Responsible for Energy Management (c) | 65 | 38 | 5 |
| | | | | |
| | | 50 | 56 | |
| | Aware of ISO 50001 Implementing ISO 50001 | 50 56 | 56 0 | D |

| | Energy Use Baseline for Comparing Energy Use in Future Years | 41 | 56 | 11 |
|--------|--|--|---|---|
| | Set Goals for Improving Energy Consumption | 50 | 48 | 10 |
| | Quantitative Goals | 4 64 | 43 42 | 62 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 47 | 30 | 31 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 62 | 15 | 31 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 73 | 4 | 31 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 67 | 20 | 21 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 49 | 8 | 51 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 30 | 40 | 38 |
| | Cleaning of Heat Transfer Equipment (i) | 27 27 | 46 46 | 35 35 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 47 | 26 | 35 |
| | Detect and Control Compressed Air Leaks (I) | 39 | 30 | 39 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 59 | 11 | 38 |
| 326 | Plastics and Rubber Products | | | |
| 320 | | | | |
| | Person(s) Responsible for Energy Management (c) | 4,966 | 2,017 | 1,334 |
| | Aware of ISO 50001 | 5,021 | 3,026 | |
| | Implementing ISO 50001 | 2,483 1.164 | 611 7.061 | Q |
| | Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | 3,563 | 2.816 | 1,938 |
| | Set Goals for Improving Energy Consumption | 3,756 | 2,767 | 1,795 |
| | Quantitative Goals | 944 | 1,524 | 5,849 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 6,709 | 1,417 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 5,257 | 1,715 | 1,345 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4,753 | 2,030 | 1,533 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 6,198 5,640 | 464 840 | 1,655 1,837 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 6,357 | 229 | 1,730 |
| | Process Heating Maintenance Program that Includes the Following: | 0,557 | | |
| | Furance Inspections (h) | 3,370 | 2,965 | 1,982 |
| | Cleaning of Heat Transfer Equipment (i) | 2,875 | 3,162 | 2,280 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 2,356 | 3,622 | 2,339 |
| | Keep an Inventory of All Motors | 3,334 | 3,403 | 1,580 |
| | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems | 3,063 5,692 | 3,721 705 | 1,532 1,920 |
| | | 3,032 | 703 | 1,520 |
| 327 | Nonmetallic Mineral Products | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 7,039 | 1,703 | 3,293 |
| | Aware of ISO 50001 | 7,039 7,928 | 2,823 | 3,293 |
| | Aware of ISO 50001 Implementing ISO 50001 | 7,928 2,609 | 2,823 256 | |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 7,928 2,609 2,965 | 2,823 256 8,077 | 993 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | 7,928 2,609 2,965 4,628 | 2,823 256 8,077 2,931 | 993 4,476 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 7,928 2,609 2,965 4,628 5,528 | 2,823 256 8,077 2,931 2,643 | 993 4,476 3,864 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 7,928 2,609 2,965 4,628 5,528 845 | 2,823 256 8,077 2,931 | 993 4,476 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Histleiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 7,928 2,609 2,965 4,628 5,528 | 2,823 256 8,077 2,931 2,643 1,019 | 993 4,476 3,864 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 7,928 2,609 2,965 4,628 5,528 845 10,182 | 2,823 256 8,077 2,931 2,643 1,019 849 | 993 4,476 3,864 10,171 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 7,928 2,609 2,965 4,628 5,528 845 10,182 7,314 6,370 7,133 | 2,823 256 8,077 2,931 2,643 1,019 849 1,441 1,708 916 | 993 4,476 3,864 10,171 3,280 3,957 3,986 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 7,928 2,609 2,965 4,628 5,528 845 10,182 7,314 6,370 7,133 6,344 | 2,823 256 8,077 2,931 2,643 1,019 849 1,441 1,708 916 1,269 | 993 4,476 3,864 10,171 - 3,280 3,957 3,986 4,422 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 7,928 2,609 2,965 4,628 5,528 845 10,182 7,314 6,370 7,133 | 2,823 256 8,077 2,931 2,643 1,019 849 1,441 1,708 916 | 993 4,476 3,864 10,171 - 3,280 3,957 3,986 |
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| 327120 | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Clay Building Material and Refractories Person(s) Responsible for Energy Management (c) | 7,928 2,609 2,965 4,628 5,528 845 10,182 7,314 6,370 7,133 6,344 6,868 3,461 3,415 3,194 4,151 4,557 7,176 | 2,823 256 8,077 2,931 2,643 1,019 849 1,441 1,708 916 1,269 784 3,880 3,590 3,806 3,616 3,254 447 | 993 4,476 3,864 10,171 3,280 3,957 3,986 4,422 4,383 4,694 5,030 5,035 4,267 4,224 |
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| Furnace Impection (n) | | Use Flue Gas to Preheat Other Equipment or Processes (g) | 218 | 116 | 81 |
|--|--------|---|-------|----------|-----|
| Cleaning of Heat Trainfer Coulprent (f) | | Process Heating Maintenance Program that Includes the Following: | OF | 254 | |
| Impercing, California, and Adjusting Process seating Equipment (I) | | | | 231 | |
| Seep are invention of Al Notices 136 140 07 176 164 | | | | | |
| Detect and Control Compressed Air Loaks () 34 340 39 30 30 30 30 30 30 3 | | | | | |
| Track the Amount of Frenge's Speeth in Compressed Air Systems (2) 27711 Flat Glass Person(s) Responsible for Emergy Management (c) Assert of 10 50001 Assert of 10 50001 Assert of 10 50001 Implementing 500 | | | | | |
| Person() Responsible for linergy Management (c) | | | | | |
| Person(s) Responsible for Energy Management (c) | | Track the Amount of Energy special complessed Air systems | 230 | 30 | |
| Aware of S0 00001 Implementing D0 00001 Impl | 327211 | Flat Glass | | | |
| Implementing \$5 0,50031 Energy Fliefichers, a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Nature Years Set Coath of Improving Energy Use in Nature Years Set Coath of Improving Energy Use in Nature Years Submetering Interleant Property of the main willing revenue or supplier meter) Submetering Interleant Property of the main willing revenue or supplier metery Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Process Energy Maintenance Program that Incides the Following: Furnance Impections (in) Cleaning of Heat Times Equipment (i) 13 43 65 15 15 15 15 15 15 15 15 15 15 15 15 15 | | Person(s) Responsible for Energy Management (c) | 25 | 15 | 20 |
| Energy Efficiency a part of Parchasing Decision D 48 C D Energy Use Baseline for Companying Chergy Use in Nature Years 24 15 22 24 25 25 25 25 26 26 26 27 28 27 28 28 28 28 28 | | | 45 | 13 | |
| Energy Use Basieline for Comparing Energy Lies in Future Years 24 16 25 35 35 35 35 35 35 35 | | Implementing ISO 50001 | 11 | D | |
| Set Goals for Improving Energy Consumption Chamitathre Goals Submittering (inveloring beyond the main utility, revenue or supplier meter) A 2 16 2 16 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | D | 48 | D |
| Quantitative Cools 8 12 64 | | Energy Use Baseline for Comparing Energy Use in Future Years | 24 | 16 | 20 |
| Quantitative Cools 8 12 64 | | Set Goals for Improving Energy Consumption | 17 | 27 | 16 |
| Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 27 19 3 14 Automation Cattrotis to Reduce Electricity Consumption in Times of Critical Grid Conditions 37 10 3 15 Automation Cattrotis to Reduce Electricity Consumption in Times of Critical Grid Conditions 37 10 3 10 3 10 3 10 3 10 3 10 3 10 3 10 | | | | | 40 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 37 10 13 | | | | | |
| Automation Controls to Reduce Rectricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carton Dioode Level (1) Use Flux Gis to Preheat Other Equipment of Processes (g) Process leading Maintenance Program that Includes the Following: Furnance Inspections (i) Inspections (ii) Inspections (ii) Inspections (iii) Inspections (ii | | | | | 23 |
| Measure Oxygen and Carbon Dioxide Levels (I) 18 29 14 11 | | | | | 14 |
| Use Flue Cast to Preheat Other Equipment or Processes (g) 29 14 37 | | | 3, | | |
| Process Healing Maintenance Program that Includes the Following: Furance Inspection () | | | | | |
| Furance Inspections (in) | | | 29 | 14 | 17 |
| Cleaning of Neat Transfer Equipment (i) 7 45 8 8 8 8 8 8 9 9 28 31 3 40 7 45 8 8 8 8 8 8 8 8 9 9 | | | | | 6 |
| Inspecting, Calibrating, and Adjusting Process Heating Equipment (i) 19 28 13 Reep an inventory of All Motors 19 28 28 13 Detect and Control Compressed Air Leass (I) 29 28 29 24 13 Track the Amount of Energy Spent in Compressed Air Systems 38 4 4 17 327212 Other Pressed and Blown Glass and Glassware Person(s) Responsible for Energy Management (c) 101 25 38 Aware of SO 50001 97 50 39 50 39 50 39 50 30 30 30 30 30 30 30 30 30 30 30 30 30 | | | | | |
| Reep an Inventory of All Motors 19 28 11 | | | | | , |
| Detect and Control Compressed Air Leaks (I) 23 24 13 | | | , | | |
| Track the Amount of Energy Spent in Compressed Air Systems | | | | | |
| Person(s) Responsible for Energy Management (c) | | | | | |
| Person(s) Responsible for Energy Management (c) | | Track the Allount of Energy Sperit in Compressed All Systems | | | |
| Aware of ISO 50001 Implementing ISO 50001 Senergy Efficiency a part of Purchasing Decision Energy (Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Gails for Improving Energy Use in Future Years Set Gails for Improving Energy Use in Future Years Set Gails for Improving Energy Use in Future Years Set Gails for Improving Energy Use in Future Years Set Gails for Improving Energy Use in Future Years Submetering (metering beyond the main utility, revenue or supplier meter) 101 61 11 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 103 22 33 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 103 22 33 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 104 40 Ressure Oxygen and Carbon Dioxide Levels (f) 40 41 42 43 44 45 45 47 40 40 47 47 40 40 41 47 47 40 40 41 47 48 48 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 40 40 40 40 40 40 40 40 40 40 40 40 40 | 327212 | Other Pressed and Blown Glass and Glassware | | | |
| Aware of ISO 50001 Implementing ISO 50001 Senergy Efficiency a part of Purchasing Decision Energy (Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Gails for Improving Energy Use in Future Years Set Gails for Improving Energy Use in Future Years Set Gails for Improving Energy Use in Future Years Set Gails for Improving Energy Use in Future Years Set Gails for Improving Energy Use in Future Years Submetering (metering beyond the main utility, revenue or supplier meter) 101 61 11 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 103 22 33 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 103 22 33 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 104 40 Ressure Oxygen and Carbon Dioxide Levels (f) 40 41 42 43 44 45 45 47 40 40 47 47 40 40 41 47 47 40 40 41 47 48 48 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 44 47 49 49 40 40 40 40 40 40 40 40 40 40 40 40 40 | | December 1 | 404 | | |
| Implementing ISO 50001 | | | | | 38 |
| Energy Efficiency part of Purchasing Decision 9 150 | | | | | |
| Energy Use Baseline for Comparing Energy Use in Future Years 62 52 52 55 55 55 55 55 | | | | <u> </u> | 4 |
| Set Goals for Improving Energy Consumption 94 32 37 | | Energy Use Baseline for Comparing Energy Use in Future Years | - | | 50 |
| Quantitative Goals 12 | | Set Goals for Improving Energy Consumption | | | 37 |
| Submetering (metering beyond the main utility, revenue or supplier meter) | | | 12 | | 135 |
| Conduct Audits to Identify Energy Saving Opportunities 91 61 22 33 22 33 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 122 6 0 0 0 0 0 0 0 0 0 | | | | | |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 103 | | Conduct Audits to Identify Energy Saving Opportunities | 91 | | 13 |
| Measure Oxygen and Carbon Dioxide Levels (f) 96 32 05 05 05 05 05 05 05 0 | | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 103 | 22 | 38 |
| Use Flue Gas to Preheat Other Equipment or Processes (g) 101 29 29 | | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 122 | 6 | Q |
| Process Heating Maintenance Program that Includes the Following: | | | | | Q |
| Furance Inspections (h) | | | 101 | 29 | Q |
| Cleaning of Heat Transfer Equipment (i) | | | | | |
| Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | | | | | 16 |
| Reep an Inventory of All Motors | | | | | 42 |
| Detect and Control Compressed Air Leaks (I) | | | | | |
| Track the Amount of Energy Spent in Compressed Air Systems 102 18 44 | | | | | |
| Person(s) Responsible for Energy Management (c) 7 35 15 | | | | | |
| Person(s) Responsible for Energy Management (c) | | таск tne Amount of Energy Spent in Compressed Air Systems | 102 | 18 | 44 |
| Aware of ISO 50001 25 26 3 3 3 3 5 5 5 5 6 6 5 5 5 5 5 5 5 5 5 | 327213 | Glass Containers | | | |
| Aware of ISO 50001 25 26 3 3 3 3 5 5 5 5 6 6 5 5 5 5 5 5 5 5 5 | | | ····· | | |
| Implementing ISO 50001 | | | 7 | | 15 |
| Energy Efficiency a part of Purchasing Decision 30 22 5 Energy Use Baseline for Comparing Energy Use in Future Years 3 29 25 Set Goals for Improving Energy Consumption 5 30 22 Quantitative Goals D D D 36 Submetering (metering beyond the main utility, revenue or supplier meter) 35 18 Conduct Audits to Identify Energy Saving Opportunities 14 13 31 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 12 14 33 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 19 5 33 Measure Oxygen and Carbon Dioxide Levels (f) 6 36 15 Use Flue Gas to Preheat Other Equipment or Processes (g) 15 25 18 Process Heating Maintenance Program that Includes the Following: | | | | | |
| Energy Use Baseline for Comparing Energy Use in Future Years 3 29 25 | | | | | |
| Set Goals for Improving Energy Consumption 5 30 22 | | | | | 5 |
| Quantitative Goals Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities 14 13 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 12 14 33 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 19 5 33 Measure Oxygen and Carbon Dioxide Levels (f) 6 36 15 Use Flue Gas to Preheat Other Equipment or Processes (g) 15 25 18 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (l) 5 36 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 42 CRep an Inventory of All Motors 9 34 Detect and Control Compressed Air Leaks (l) | | | - | | |
| Submetering (metering beyond the main utility, revenue or supplier meter) 35 18 Conduct Audits to Identify Energy Saving Opportunities 14 13 31 31 31 31 31 32 32 | | | | | |
| Conduct Audits to Identify Energy Saving Opportunities 14 13 33 13 15 15 15 15 15 | | | | | 30 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | | | | | |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 19 5 33 Measure Oxygen and Carbon Dioxide Levels (f) 6 36 15 Use Flue Gas to Preheat Other Equipment or Processes (g) 15 25 18 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) D 42 D Cleaning of Heat Transfer Equipment (i) 5 36 16 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 42 D Keep an Inventory of All Motors 9 34 14 Detect and Control Compressed Air Leaks (l) 7 35 15 | | | | | |
| Measure Oxygen and Carbon Dioxide Levels (f) 6 36 15 Use Flue Gas to Preheat Other Equipment or Processes (g) 15 25 18 Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) D 42 D Cleaning of Heat Transfer Equipment (i) 5 36 16 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 42 D Keep an Inventory of All Motors 9 34 14 Detect and Control Compressed Air Leaks (l) 7 35 15 | | | | | 33 |
| Use Flue Gas to Preheat Other Equipment or Processes (g) 15 25 18 | | | | | 15 |
| Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) D 42 D Cleaning of Heat Transfer Equipment (i) 5 36 16 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 42 D Keep an Inventory of All Motors 9 34 14 Detect and Control Compressed Air Leaks (l) 7 35 15 | | | | | 18 |
| Furance Inspections (h) D 42 D Cleaning of Heat Transfer Equipment (j) 5 36 16 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 42 D Keep an Inventory of All Motors 9 34 14 Detect and Control Compressed Air Leaks (l) 7 35 15 | | | | | |
| Cleaning of Heat Transfer Equipment (i) 5 36 16 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) D 42 D Keep an Inventory of All Motors 9 34 14 Detect and Control Compressed Air Leaks (l) 7 35 15 | | | D | 42 | D |
| Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | | | | | 16 |
| Keep an Inventory of All Motors 9 34 14 Detect and Control Compressed Air Leaks (I) 7 35 15 | | | D | | D |
| Detect and Control Compressed Air Leaks (I) 7 35 15 | | | | | 14 |
| Track the Amount of Energy Spent in Compressed Air Systems 7 34 17 | | | 7 | 35 | 15 |
| | | Track the Amount of Energy Spent in Compressed Air Systems | 7 | 34 | 17 |

| | Glass Products from Purchased Glass | | | |
|--------|---|--|---|-----|
| | Person(s) Responsible for Energy Management (c) | 444 | 129 | 11: |
| | Aware of ISO 50001 | 439 | 224 | |
| | Implementing ISO 50001 | 234 | 7 | |
| | Energy Efficiency a part of Purchasing Decision | 155 | 511 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 331 | 160 | 19 |
| | Set Goals for Improving Energy Consumption | 353 | 173 | 16 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 58 597 | 70 67 | 55 |
| | Conduct Audits to Identify Energy Saving Opportunities | 449 | 99 | 13 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 383 | 139 | 16 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 475 | 55 | 15 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 481 | 38 | 16 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 513 | 24 | 14 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 206 | 353 | 12 |
| | Cleaning of Heat Transfer Equipment (i) | 280 | 290 | 11 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 256 | 306 | 12 |
| | Keep an Inventory of All Motors | 282 | 263 | 14 |
| | Detect and Control Compressed Air Leaks (I) | 329 | 236 | 12 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 531 | 32 | 12 |
| 327310 | Cements | | | |
| 32/310 | Cements | | | |
| | Person(s) Responsible for Energy Management (c) | 102 | 55 | 2 |
| | Aware of ISO 50001 | 109 | 70 | |
| | Implementing ISO 50001 | 59 | 11 | |
| | Energy Efficiency a part of Purchasing Decision | D | 175 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 56 | 117 | - |
| | Set Goals for Improving Energy Consumption | 80 | 97 | - |
| | Quantitative Goals | Q | 52 | 10 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 119 | 60 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 116 | 43 | 2 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 84 | 91 | |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 112 | 58 92 | |
| | Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 59 64 | 81 | |
| | Process Heating Maintenance Program that Includes the Following: | 54 | 81 | 4 |
| | Furance Inspections (h) | 52 | 95 | |
| | Cleaning of Heat Transfer Equipment (i) | 58 | 85 | |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 51 | 97 | |
| | Keep an Inventory of All Motors | 43 | 107 | |
| | Detect and Control Compressed Air Leaks (I) | 64 | 84 | |
| | Track the Amount of Energy Spent in Compressed Air Systems | 110 | 30 | |
| | | | | |
| 327410 | Lime | | | |
| | Person(s) Responsible for Energy Management (c) | 21 | 29 | |
| | Aware of ISO 50001 | 49 | | |
| | Implementing ISO 50001 | 49 7 | | |
| | | | 56 | |
| | | D | | |
| | Energy Efficiency a part of Purchasing Decision Finergy Use Baseline for Comparing Energy Use in Future Years | D 9 | | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 9 | 42 31 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | | 42 31 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 9 16 | 42 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 9 16 4 | 42 31 23 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 9 16 4 36 | 42 31 23 21 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 9 16 4 36 20 14 37 | 42 31 23 21 13 35 8 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 9 16 4 36 20 14 37 | 42 31 23 21 13 35 8 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 9 16 4 36 20 14 37 | 42 31 23 21 13 35 8 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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: | 9 16 4 36 20 14 37 12 | 42 31 23 21 13 35 8 41 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) | 9 16 4 36 20 14 37 12 19 | 42 31 23 21 13 35 8 41 32 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) | 9 16 4 36 20 14 37 12 19 | 42 31 23 21 13 35 8 41 32 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) | 9 16 4 36 20 14 37 12 19 6 6 9 | 42 31 23 21 13 35 8 41 32 45 41 51 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (f) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 9 16 4 36 20 14 37 12 19 6 9 3 6 | 42 31 23 21 13 35 8 41 32 45 41 51 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) | 9 16 4 36 20 14 37 12 19 6 9 3 6 18 | 42 31 23 21 13 35 8 41 32 45 41 51 49 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (f) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 9 16 4 36 20 14 37 12 19 6 9 3 6 | 42 31 23 21 13 35 8 41 32 45 41 51 | |
| 327420 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) | 9 16 4 36 20 14 37 12 19 6 9 3 6 18 | 42 31 23 21 13 35 8 41 32 45 41 51 49 | |
| 327420 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems | 9 16 4 36 20 14 37 12 19 6 9 3 6 18 32 | 42 31 23 21 13 35 8 41 32 45 41 51 49 27 | |
| 327420 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Gypsum Person(s) Responsible for Energy Management (c) | 9 16 4 36 20 14 37 12 19 6 9 3 6 6 18 32 | 42 31 23 21 13 35 8 41 32 45 41 51 49 27 15 | |
| 327420 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Gypsum Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 9 16 4 36 20 14 37 12 19 6 9 3 6 18 32 | 42 31 23 21 13 35 8 41 32 45 41 51 49 27 15 | |
| 327420 | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Gypsum Person(s) Responsible for Energy Management (c) | 9 16 4 36 20 14 37 12 19 6 9 3 6 6 18 32 | 42 31 23 21 13 35 8 41 32 45 41 51 49 27 15 | |

| | Set Goals for Improving Energy Consumption | 57 | 78 | 13 |
|--------|--|--|--|---|
| | Quantitative Goals | 39 | 39 | 70 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 101 57 | 44 66 | 25 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 64 | 44 | 39 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 122 | D | D |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 107 | 27 | 13 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 85 | 28 | 35 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 68 87 | 70 47 | 10 14 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 13 | 123 | 11 |
| | Keep an Inventory of All Motors | 38 | 100 | 10 |
| | Detect and Control Compressed Air Leaks (I) | 75 | 53 | 20 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 121 | 13 | 14 |
| | | | | |
| 327993 | Mineral Wool | | | |
| | Person(s) Responsible for Energy Management (c) | 94 | 46 | 51 |
| | Aware of ISO 50001 | 81 | 107 | |
| | Implementing ISO 50001 | 100 | 6 | |
| | Energy Efficiency a part of Purchasing Decision | 34 | 154 | 3 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 80 | 51 | 60 |
| | Set Goals for Improving Energy Consumption | 53 | 73 | 65 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 6 151 | 35 29 | 150 |
| | Conduct Audits to Identify Energy Saving Opportunities | 100 | 29 | 61 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 107 | 20 | 64 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 131 | 6 | 54 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 118 | 24 | 49 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 126 | 18 | 48 |
| | Process Heating Maintenance Program that Includes the Following: | 22 | 111 | 58 |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 22 | 105 | 58 62 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 8 | 114 | 69 |
| | Keep an Inventory of All Motors | 52 | 58 | 81 |
| | Detect and Control Compressed Air Leaks (I) | 61 | 49 | 81 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 88 | 29 | 74 |
| | | | | |
| 331 | Primary Metals | | | |
| 331 | Primary Metals | | | |
| 331 | Person(s) Responsible for Energy Management (c) | 1,733 | 920 | 573 |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 1,852 | 1,171 | 573 |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 | 1,852 1,035 | 1,171 156 | |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 1,852 1,035 583 | 1,171 156 2,451 | 192 |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | 1,852 1,035 583 1,126 | 1,171 156 2,451 1,281 | 192 819 |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 1,852 1,035 583 | 1,171 156 2,451 | 192 819 794 |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | 1,852 1,035 583 1,126 1,351 | 1,171 156 2,451 1,281 1,081 | 192 819 794 2,306 |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 | 1,171 156 2,451 1,281 1,081 687 786 661 | 192 819 794 2,306 |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 | 1,171 156 2,451 1,281 1,081 687 786 661 | 192 819 794 2,306 |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 | |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 | |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 | |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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: | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 | 192 819 794 2,306 603 667 719 893 879 |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 | |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 () Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 | 192 819 794 2,306 |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (j) Keep an Inventory of All Motors | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 | 192 819 794 2,306 |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 | |
| 331 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (j) Keep an Inventory of All Motors | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 | 192 819 794 2,306 |
| 33110 | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Sielicency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) Cleaning of Heat Transfer Equipment (i) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Iron and Steel Mills and Ferroalloys | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 2,143 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 330 | 192 819 794 2,306 |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Iron and Steel Mills and Ferroalloys Person(s) Responsible for Energy Management (c) | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 2,143 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 330 | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Iron and Steel Mills and Ferroalloys Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 2,143 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 330 | 192 819 794 2,306 |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering Imetering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Iron and Steel Mills and Ferroalloys Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 2,143 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 330 | 192 819 794 2,306 |
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| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Iron and Steel Mills and Ferroalloys Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy USe Baseline for Comparing Energy Use in Future Years | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 2,143 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 330 155 185 384 321 | 192 819 794 2,306 |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Iron and Steel Mills and Ferroalloys Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 2,143 170 195 150 58 100 195 150 58 103 119 39 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 330 155 185 185 34 321 202 187 | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) Cleaning of Heat Transfer Equipment (i) Reep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Iron and Steel Mills and Ferroalloys Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 2,143 170 195 150 58 103 119 39 205 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 330 155 185 384 321 202 187 131 | 192 193 194 2,306 |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Iron and Steel Mills and Ferroalloys Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 2,143 170 195 150 58 103 1119 39 205 188 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 330 155 185 384 321 202 187 131 174 109 | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Iron and Steel Mills and Ferroalloys Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 2,143 170 195 150 58 103 119 39 205 188 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 330 155 185 34 321 202 187 131 174 109 174 | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Iron and Steel Mills and Ferroalloys Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 2,143 170 195 150 588 103 119 39 205 188 148 231 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 330 155 185 34 321 202 187 131 174 109 174 | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Iron and Steel Mills and Ferroalloys Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1,852 1,035 583 1,126 1,351 233 2,280 1,962 1,544 2,121 1,573 1,941 598 729 510 1,016 1,441 2,143 170 195 150 58 103 119 39 205 188 | 1,171 156 2,451 1,281 1,081 687 786 661 1,016 386 760 406 1,907 1,710 1,984 1,440 1,099 330 155 185 34 321 202 187 131 174 109 174 | |

| | Process Heating Maintenance Program that Includes the Following: | | | |
|--------|---|--|---|---|
| | Furance Inspections (h) | 84 | 231 | 75 |
| | Cleaning of Heat Transfer Equipment (i) | 96 | 210 | 84 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 80 | 229 | 81 |
| | Keep an Inventory of All Motors | 101 | 223 | 66 |
| | Detect and Control Compressed Air Leaks (I) | 178 | 133 | 79 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 241 | 62 | 87 |
| 3312 | Steel Products from Purchased Steel | | | |
| | Person(s) Responsible for Energy Management (c) | 294 | 89 | 114 |
| | Aware of ISO 50001 | 289 | 159 | |
| | Implementing ISO 50001 | 141 | 14 | |
| | Energy Efficiency a part of Purchasing Decision | 67 | 376 | Q |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 193 | 180 | 125 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 268 9 | 69 | 135 420 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 369 | 110 | 420 |
| | Conduct Audits to Identify Energy Saving Opportunities | 318 | 90 | 89 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 270 | 89 | 139 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 329 | 34 | 135 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 253 | 82 | 163 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 298 | 20 | 180 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 138 | 205 | 155 |
| | Cleaning of Heat Transfer Equipment (i) | 127 113 | 205 224 | 166 161 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 113 | 224 | 161 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 218 | 132 | 148 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 314 | 45 | 140 |
| | | | | |
| 3313 | Alumina and Aluminum | | | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 186 209 | 152 176 | 61 |
| | Implementing ISO 50001 | 166 | 11 | |
| | Energy Efficiency a part of Purchasing Decision | 50 | 339 | 10 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 120 | 203 | 76 |
| | Set Goals for Improving Energy Consumption | 161 | 161 | 78 |
| | Quantitative Goals | 25 | 111 | 263 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 275 | 109 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 211 | 103 | 85 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 199 259 | 138 51 | 62 89 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 137 | 139 | 124 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 204 | 96 | 99 |
| | Process Heating Maintenance Program that Includes the Following: | 204 | | |
| | Furance Inspections (h) | 66 | 272 | 61 |
| | Cleaning of Heat Transfer Equipment (i) | 98 | 223 | 78 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 46 | 286 | 67 |
| | Keep an Inventory of All Motors | 113 | 177 | 110 |
| | Detect and Control Compressed Air Leaks (I) | 204 | 120 | 75 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 267 | 41 | 91 |
| 331314 | Secondary Smelting and Alloying of Aluminum | | | |
| | Person(s) Responsible for Energy Management (c) | 43 | 42 | 24 |
| | | | | |
| | Aware of ISO 50001 | 56 | 52 | |
| | Aware of ISO 50001 Implementing ISO 50001 | 56 47 | 52 5 | |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 56 47 D | 52 5 84 | D |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | 56 47 D | 52 5 84 59 | 26 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 56 47 D 25 39 | 52 5 84 59 48 | 26 22 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 56 47 D 25 39 | 52 5 84 59 48 | 26 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 56 47 D 25 39 | 52 5 84 59 48 | 26 22 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 56 47 D D 25 39 9 | 52 5 84 59 48 19 | 26 22 81 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 56 47 D 25 39 9 74 48 58 | 52 5 84 59 48 19 32 20 30 | 26 22 81 41 21 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 56 47 D 25 39 9 74 48 58 75 | 52 5 84 59 48 19 32 20 30 11 | 26 22 81 41 21 23 |
| | Aware of ISO 50001 Implementing ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering Imetering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 56 47 D 25 39 9 74 48 58 | 52 5 84 59 48 19 32 20 30 | 26 22 81 41 21 |
| | Aware of ISO 50001 Implementing ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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: | 56 47 D 25 39 9 74 48 58 75 24 | 52 5 84 59 48 19 32 20 30 11 34 | 26 22 81 41 21 23 51 |
| | Aware of ISO 50001 Implementing ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering Imetering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) | 56 47 D D 25 39 9 74 48 58 75 24 61 | 52 5 84 59 48 19 32 20 30 11 34 16 | 26 22 81 - 41 21 23 51 32 |
| | Aware of ISO 50001 Implementing ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) | 56 47 D D 25 39 9 74 48 58 75 24 61 | 52 5 84 59 48 19 32 20 30 11 34 16 | 26 22 81 - 41 21 23 51 32 |
| | Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Owygen 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 () Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 56 47 D D 25 39 9 74 48 58 75 24 61 | 52 5 84 59 48 19 32 20 30 11 34 16 | 26 22 22 81 41 21 21 23 32 24 36 32 32 |
| | Aware of ISO 50001 Implementing ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) | 56 47 D D 25 39 9 74 48 58 75 24 61 | 52 5 84 59 48 19 32 20 30 11 34 16 | 26 22 81 - 41 21 23 51 32 |

| | luminum Sheet, Plate and Foils | | | |
|--|---|---|---|--|
| Pe | rson(s) Responsible for Energy Management (c) | 20 | 37 | |
| Av | vare of ISO 50001 | 27 | 38 | |
| | plementing ISO 50001 | 38 | 0 | |
| | ergy Efficiency a part of Purchasing Decision | 15 | 50 | |
| En | ergy Use Baseline for Comparing Energy Use in Future Years | 14 | 44 | |
| Se | t Goals for Improving Energy Consumption | 16 | 37 | |
| Qı | antitative Goals | 5 | 30 | |
| Su | bmetering (metering beyond the main utility, revenue or supplier meter) | 33 | 32 | |
| Co | nduct Audits to Identify Energy Saving Opportunities | 23 | 29 | |
| | ocedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 21 | 26 | |
| Au | tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 31 | 14 | |
| Me | easure Oxygen and Carbon Dioxide Levels (f) | 13 | 37 | |
| Us | e Flue Gas to Preheat Other Equipment or Processes (g) | 29 | 20 | |
| | ocess Heating Maintenance Program that Includes the Following: | | | |
| | urance Inspections (h) | D | 52 | |
| | leaning of Heat Transfer Equipment (i) | 6 | 48 | |
| | specting, Calibrating, and Adjusting Process Heating Equipment (j) | D | 56 | |
| Ke | ep an Inventory of All Motors | 15 | 36 | |
| | tect and Control Compressed Air Leaks (I) | 17 | 27 | |
| Tra | ack the Amount of Energy Spent in Compressed Air Systems | 40 | 10 | |
| 18 O | ther Aluminum Rolling, Drawing and Extruding | | | |
| | | | | |
| | rson(s) Responsible for Energy Management (c) | 102 | 64 | |
| | vare of ISO 50001 | 102 | 79 | |
| | plementing ISO 50001 | 74 | 5 | |
| | ergy Efficiency a part of Purchasing Decision | D | 177 | |
| | ergy Use Baseline for Comparing Energy Use in Future Years | 77 | 86 | |
| Se | t Goals for Improving Energy Consumption | 88 | 66 | |
| | iantitative Goals | 10 | 52 | |
| | bmetering (metering beyond the main utility, revenue or supplier meter) | 149 | 33 | |
| | nduct Audits to Identify Energy Saving Opportunities | 118 | 49 | |
| | ocedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 104 | 66 | |
| | tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 148 | 15 | |
| | easure Oxygen and Carbon Dioxide Levels (f) | 96 | 59 | |
| | e Flue Gas to Preheat Other Equipment or Processes (g) | 108 | 52 | |
| | ocess Heating Maintenance Program that Includes the Following: | | | |
| | urance Inspections (h) | 53 | 116 | |
| | leaning of Heat Transfer Equipment (I) | 73 | 91 | |
| | specting, Calibrating, and Adjusting Process Heating Equipment (j) | 36 | 132 | |
| | ep an Inventory of All Motors | 77 | 62 | |
| | tect and Control Compressed Air Leaks (I) | 111 | 59 | |
| Tra | ack the Amount of Energy Spent in Compressed Air Systems | 147 | 17 | |
| N | onferrous Metals, except Aluminum | | | |
| | rson(s) Responsible for Energy Management (c) | 370 | 165 | |
| | vare of ISO 50001 | 348 | 258 | |
| | plementing ISO 50001 | 243 | 37 | |
| | ergy Efficiency a part of Purchasing Decision | 144 | 463 | |
| Г | ergy Use Baseline for Comparing Energy Use in Future Years | 170 | 247 | |
| En | t Goals for Improving Energy Consumption | 233 | 269 | |
| Se | antitative Goals | 52 | 168 | |
| Se [.] Qu | | | 149 | |
| Se [.] Qu | bmetering (metering beyond the main utility, revenue or supplier meter) | 457 | | |
| Se Qu Su Co | nduct Audits to Identify Energy Saving Opportunities | 396 | 133 | |
| Se Qu Su Co Pre | nduct Audits to Identify Energy Saving Opportunities ocedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 396 347 | 161 | |
| Se Qu Su Co Pro Au | nduct Audits to Identify Energy Saving Opportunities ocedures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 396 347 454 | 161 64 | |
| Se Qu Su Co Pro Au | nduct Audits to Identify Energy Saving Opportunities ocedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 396 347 | 161 | |
| Se Qu Su Co Pro Au Me | nduct Audits to Identify Energy Saving Opportunities ocedures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 396 347 454 | 161 64 | |
| Se Qu Su Co Prr Au Mi Us | nduct Audits to Identify Energy Saving Opportunities ocedures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) ocess Heating Maintenance Program that Includes the Following: | 396 347 454 373 380 | 161 64 132 75 | |
| Se Qu Su Co Pro Au Mi Us Pro | nduct Audits to Identify Energy Saving Opportunities ocedures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) ocess Heating Maintenance Program that Includes the Following: urance Inspections (h) | 396 347 454 373 380 | 161 64 132 75 | |
| Se Qu Su Co Prr Au Me Us Prr | nduct Audits to Identify Energy Saving Opportunities ocedures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) ocess Heating Maintenance Program that Includes the Following: urance Inspections (h) leaning of Heat Transfer Equipment (i) | 396 347 454 373 380 96 155 | 161 64 132 75 421 380 | |
| Se Qu Su Co Pro Au Me Us Pro Fi C | nduct Audits to Identify Energy Saving Opportunities occulures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) ocess Heating Maintenance Program that Includes the Following: urance Inspections (h) leaning of Heat Transfer Equipment (i) specting, Calibrating, and Adjusting Process Heating Equipment (j) | 396 347 454 373 380 96 155 | 161 64 132 75 421 380 423 | |
| Se Qu Su Co Prr Au Me Us Prr C Ir Ke | nduct Audits to Identify Energy Saving Opportunities ocedures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) ocess Heating Maintenance Program that Includes the Following: urance Inspections (h) leaning of Heat Transfer Equipment (i) specting, Calibrating, and Adjusting Process Heating Equipment (j) ep an Inventory of All Motors | 396 347 454 373 380 96 155 | 161 64 132 75 421 380 | |
| Se Qu Qu Su Co Prr Au Mr Us Cr | nduct Audits to Identify Energy Saving Opportunities occulures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) occess Heating Maintenance Program that includes the Following: urance Inspections (h) leaning of Heat Transfer Equipment (i) specting, Calibrating, and Adjusting Process Heating Equipment (j) ep an Inventory of All Motors | 996 347 454 373 380 96 155 95 196 288 | 161 64 132 75 421 380 423 326 248 | |
| Se Qu Su Co Pri Au Mi Us Pri C Ir Ke | nduct Audits to Identify Energy Saving Opportunities ocedures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) ocess Heating Maintenance Program that Includes the Following: urance Inspections (h) leaning of Heat Transfer Equipment (i) specting, Calibrating, and Adjusting Process Heating Equipment (j) ep an Inventory of All Motors | 396 347 454 373 380 96 155 95 | 161 64 132 75 421 380 423 326 | |
| Se Qu Su Su Su Au Au MM Us Fri Fri C C Tri Tri | nduct Audits to Identify Energy Saving Opportunities occulures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) occess Heating Maintenance Program that includes the Following: urance Inspections (h) leaning of Heat Transfer Equipment (i) specting, Calibrating, and Adjusting Process Heating Equipment (j) ep an Inventory of All Motors | 996 347 454 373 380 96 155 95 196 288 | 161 64 132 75 421 380 423 326 248 | |
| Se Qu Su | nduct Audits to Identify Energy Saving Opportunities occulures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) occess Heating Maintenance Program that Includes the Following: urance Inspections (h) leaning of Heat Transfer Equipment (i) leaning of Heat Transfer Equipment (i) ep an Inventory of All Motors tect and Control Compressed Air Leaks (l) ack the Amount of Energy Spent in Compressed Air Systems onferrous Metal (except Aluminum) Smelting and Refining | 996 347 454 373 380 96 155 95 196 288 | 161 64 132 75 421 380 423 326 248 | |
| Se Qu Qu Qu Co Pro Au MM Us Pro Fri Fri Ke De Tro N | nduct Audits to Identify Energy Saving Opportunities occulures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) occess Heating Maintenance Program that Includes the Following: urance Inspections (h) leaning of Heat Transfer Equipment (i) specting, Calibrating, and Adjusting Process Heating Equipment (j) ep an Inventory of All Motors tect and Control Compressed Air Leaks (l) ack the Amount of Energy Spent in Compressed Air Systems onferrous Metal (except Aluminum) Smelting and Refining | 396 347 454 373 380 96 155 95 196 288 456 | 161 64 132 75 421 380 423 326 248 52 | |
| Se Qu Su Co Pri Au Mi Us Cr Cr Cr Ir Ir Au De Tr Au | nduct Audits to Identify Energy Saving Opportunities occulures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) occess Heating Maintenance Program that Includes the Following: urance Inspections (h) leaning of Heat Transfer Equipment (i) specting, Calibrating, and Adjusting Process Heating Equipment (j) ep an Inventory of All Motors tect and Control Compressed Air Leaks (l) each the Amount of Energy Spent in Compressed Air Systems onferrous Metal (except Aluminum) Smelting and Refining | 996 347 454 373 380 96 155 95 196 288 456 | 161 64 132 75 421 380 423 326 248 52 | |
| Se Qu Qu Qu Co Pri Au MM Us Us Cr Ir Ir Ir Ir Ir Ir Ir Au Im | nduct Audits to Identify Energy Saving Opportunities occulures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) occess Heating Maintenance Program that Includes the Following: urance Inspections (h) leaning of Heat Transfer Equipment (i) leaning of Heat Transfer Equipment (j) ep an Inventory of All Motors tect and Control Compressed Air Leaks (l) ack the Amount of Energy Spent in Compressed Air Systems onferrous Metal (except Aluminum) Smelting and Refining rison(s) Responsible for Energy Management (c) varie of ISO 50001 | 396 347 454 373 380 96 155 95 196 288 456 | 161 64 132 75 421 380 423 326 248 52 | |
| See | nduct Audits to Identify Energy Saving Opportunities occulures to Reduce Electricity Consumption in Times of Critical Grid Conditions tomation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions easure Oxygen and Carbon Dioxide Levels (f) e Flue Gas to Preheat Other Equipment or Processes (g) occess Heating Maintenance Program that Includes the Following: urance Inspections (h) leaning of Heat Transfer Equipment (i) specting, Calibrating, and Adjusting Process Heating Equipment (j) ep an Inventory of All Motors tect and Control Compressed Air Leaks (l) each the Amount of Energy Spent in Compressed Air Systems onferrous Metal (except Aluminum) Smelting and Refining | 996 347 454 573 380 96 155 95 196 2288 456 | 161 64 132 75 421 380 423 326 248 52 | |

| | Quantitative Goals | 3 | 43 | 61 |
|--------|---|------------|------------|------------|
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 81 | 21 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 73 39 | 20 30 | 15 38 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 77 | 30 15 | 38 15 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 46 | 44 | 17 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 56 | 11 | 40 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 19 | 68 | 20 |
| | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 17 11 | 69 76 | 21 20 |
| | Keep an Inventory of All Motors | 29 | 65 | 12 |
| | Detect and Control Compressed Air Leaks (I) | 37 | 55 | 15 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 68 | 19 | 19 |
| 3315 | Foundries | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 713 | 359 | 216 |
| | Aware of ISO 50001 | 812 336 | 392 60 | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 264 | 952 | 71 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 540 | 448 | 300 |
| | Set Goals for Improving Energy Consumption | 571 | 370 | 347 |
| | Quantitative Goals | 109 | 208 | 971 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 974 | 243 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 848 579 | 225 455 | 215 255 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 848 | 455 164 | 255 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 644 | 274 | 370 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 842 | 124 | 323 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 214 | 778 | 296 |
| | Cleaning of Heat Transfer Equipment (i) | 253 | 692 | 343 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 177 | 821 488 | 291 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 482 553 | 488 465 | 319 270 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 865 | 130 | 293 |
| | | | | |
| 331511 | Iron Foundries | | | |
| | Person(s) Responsible for Energy Management (c) | 221 | 99 | 53 |
| | Aware of ISO 50001 | 271 | 92 | |
| | Implementing ISO 50001 | 79 | 13 | |
| | Energy Efficiency a part of Purchasing Decision | 93 | 273 | Q 56 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 150 160 | 167 109 | 104 |
| | Quantitative Goals | 37 | 59 | 278 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 278 | 86 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 280 | 56 | 37 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 181 | 142 | 50 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 280 | 43 | 50 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 192 | 83 | 98 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: | 281 | 28 | 64 |
| | Furance Inspections (h) | 75 | 215 | 83 |
| | Cleaning of Heat Transfer Equipment (i) | 53 | 233 | 87 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 36 | 279 | 58 |
| | Keep an Inventory of All Motors | 106 | 173 | 94 |
| | Detect and Control Compressed Air Leaks (I) | 181 | 151 | 41 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 273 | 44 | 56 |
| 331523 | Nonferrous Metal Die-Casting Foundaries | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 104 140 | 102 103 | 51 |
| | Implementing ISO 50001 | 82 | 22 | |
| | Energy Efficiency a part of Purchasing Decision | 52 | 196 | 9 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 91 | 99 | 67 |
| | Set Goals for Improving Energy Consumption | 83 | 116 | 58 |
| | Quantitative Goals | 30 | 68 | 159 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 183 | 64 | 67 |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 128 108 | 62 89 | 60 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 155 | 36 | 67 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 92 | 76 | 89 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 127 | 53 | 77 |
| | Process Heating Maintenance Program that Includes the Following: | | | |

| | Furance Inspections (h) | 33 | 160 | 64 |
|--------|---|------------------|-----------------|-----------------|
| | Cleaning of Heat Transfer Equipment (i) | 46 | 138 | 73 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 24 | 167 | 67 |
| | Keep an Inventory of All Motors | 83 | 104 | 70 |
| | Detect and Control Compressed Air Leaks (I) | 101 | 76 | 81 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 139 | 39 | 79 |
| 331524 | Aluminum Foundries, except Die-Casting | | | |
| | Person(s) Responsible for Energy Management (c) | 156 | 55 | 67 |
| | Aware of ISO 50001 | 173 | 57 | |
| | Implementing ISO 50001 | 50 | 8 | |
| | Energy Efficiency a part of Purchasing Decision | 31 | 205 | Q |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 143 147 | 59 58 | 75 72 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 147 | 30 | 232 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 211 | 27 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 174 | 34 | 68 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 141 | 57 | 79 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 170 | 24 | 83 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 152 | 36 | 89 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 177 | 7 | 93 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 44 | 163 | 70 |
| | Cleaning of Heat Transfer Equipment (i) | 71 | 142 | 64 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 62 143 | 153 72 | 62 62 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 123 | 82 | 73 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 182 | 13 | 82 |
| | | 102 | 13 | |
| 332 | Fabricated Metal Products | | | |
| | Person(s) Responsible for Energy Management (c) | 27,763 | 4,162 | 6,024 |
| | Aware of ISO 50001 | 27,698 | 7,507 | |
| | Implementing ISO 50001 | 7,531 | 1,012 | |
| | Energy Efficiency a part of Purchasing Decision | 8,625 | 26,580 | 2,744 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 20,713 | 6,276 | 10,961 |
| | Set Goals for Improving Energy Consumption | 19,751 | 7,222 | 10,976 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 2,539 33.514 | 2,988 1.395 | 32,422 |
| | Conduct Audits to Identify Energy Saving Opportunities | 27,528 | 3,325 | 7.097 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 24,902 | 4.042 | 9.005 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 27,116 | 1,646 | 9,188 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 25,796 | 1,808 | 10,346 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 28,220 | 449 | 9,280 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 15,027 | 13,066 | 9,856 |
| | Cleaning of Heat Transfer Equipment (i) | 15,473 | 11,336 | 11,139 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 15,075 | 11,142 | 11,732 |
| | Keep an Inventory of All Motors | 19,828 | 8,295 | 9,826 10,373 |
| | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems | 16,994 27,603 | 10,582 1,024 | 9,322 |
| | | 27,003 | 1,024 | 3,322 |
| 333 | Machinery | | | |
| | Person(s) Responsible for Energy Management (c) | 9,932 | 2,253 | 2,734 |
| | Aware of ISO 50001 | 10,897 | 3,726 | |
| | Implementing ISO 50001 | 3,338 | 707 | |
| | Energy Efficiency a part of Purchasing Decision | 3,430 | 11,173 | 316 5,055 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 6,643 8,089 | 3,221 3,040 | 3,789 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 843 | 1,446 | 12,630 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 13,578 | 907 | 12,030 |
| | Conduct Audits to Identify Energy Saving Opportunities | 10.164 | 2.076 | 2,680 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 9,344 | 1,895 | 3,680 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 10,777 | 553 | 3,590 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 9,778 | 1,257 | 3,883 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 10,805 | 330 | 3,784 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 4,484 | 6,098 | 4,337 |
| | Cleaning of Heat Transfer Equipment (i) | 4,283 | 5,988 | 4,648 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 4,687 | 5,414 | 4,818 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 6,995 6,876 | 4,300 4,056 | 3,624 3,987 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 10,989 | 593 | 3,337 |
| | | | | |
| 334 | Computer and Electronic Products | | | |

| | Person(s) Responsible for Energy Management (c) | 4,051 | 1,793 | 802 |
|--------|---|----------------|----------------|----------------|
| | Aware of ISO 50001 | 4,246 | 2,078 | |
| | Implementing ISO 50001 | 1,833 | Q | |
| | Energy Efficiency a part of Purchasing Decision | 1,023 | 5,447 | Q |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 3,199 | 2,249 | 1,198 |
| | Set Goals for Improving Energy Consumption | 3,811 | 1,810 | 1,025 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 235 5,550 | 1,435 701 | 4,976 |
| | Conduct Audits to Identify Energy Saving Opportunities | 4,413 | 1,099 | 1,134 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4,283 | 942 | 1,421 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4,703 | 477 | 1,466 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 5,014 | 534 | 1,098 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 5,522 | 136 | 988 |
| | Process Heating Maintenance Program that Includes the Following: | 2,727 | 2,783 | 1,135 |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 2,727 | 2,783 | 1,263 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 2,395 | 2,832 | 1,419 |
| | Keep an Inventory of All Motors | 4,032 | 1,751 | 863 |
| | Detect and Control Compressed Air Leaks (I) | 3,690 | 2,046 | 909 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 5,395 | 500 | 752 |
| 334413 | Semiconductors and Related Devices | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 171 | 107 | 66 |
| | Aware of ISO 50001 | 120 | 202 | |
| | Implementing ISO 50001 | 179 | Q | Q |
| | Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | Q 93 | 306 181 | Q 70 |
| | Set Goals for Improving Energy Consumption | 95 167 | 118 | 58 |
| | Ouantitative Goals | 25 | 88 | 231 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 268 | 54 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 160 | 123 | 61 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 139 | 85 | 120 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 181 | 51 | 112 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 171 211 | 86 31 | 86 102 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: | 211 | 31 | 102 |
| | Furance Inspections (h) | 102 | 155 | 86 |
| | Cleaning of Heat Transfer Equipment (i) | 107 | 118 | 119 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 93 | 145 | 106 |
| | Keep an Inventory of All Motors | 97 | 172 | 75 |
| | Detect and Control Compressed Air Leaks (I) | 116 | 141 | 86 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 183 | 70 | 91 |
| 335 | Electrical Equip., Appliances, Components | | | |
| | Person(s) Responsible for Energy Management (c) | 2,322 | 610 | 363 |
| | Aware of ISO 50001 | 2,233 | 964 | |
| | Implementing ISO 50001 | 851 | 113 | |
| | Energy Efficiency a part of Purchasing Decision | 1,048 | 2,153 | Q |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 1,718 | 700 | 877 |
| | Set Goals for Improving Energy Consumption | 1,978 | 844 | 473 |
| | Quantitative Goals | Q 2.973 | 523 228 | 2,754 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 2,973 | 606 | 433 |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1.820 | 786 | 689 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2,462 | 434 | 399 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 2,131 | 569 | 595 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 2,628 | D | D |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 1,347 | 1,385 | 563 |
| | Cleaning of Heat Transfer Equipment (i) | 1,367 | 1,527 1,642 | 401 463 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 1,189 1.793 | 1,042 | 480 |
| | Detect and Control Compressed Air Leaks (I) | 1,725 | 942 | 628 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 2,334 | 297 | 664 |
| | | | | |
| 336 | Transportation Equipment | | | |
| | Person(s) Responsible for Energy Management (c) | 3,695 | 1,454 | 1,953 |
| | Aware of ISO 50001 | 4,320 | 2,544 | |
| | Implementing ISO 50001 | 2,079 | 389 | |
| | Energy Efficiency a part of Purchasing Decision | 2,152 | 4,732 | 218 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 3,099 2,860 | 2,209 1,924 | 1,795 2,320 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 2,860 | 1,924 | 5,369 |
| | Quaritative QU013 | 210 | 1,410 | 2,269 |

| | Submetering (metering beyond the main utility, revenue or supplier meter) | 6,240 | 560 | |
|--------|---|--------------|------------|----------|
| | Conduct Audits to Identify Energy Saving Opportunities | 3,746 | 1,402 | 1,954 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 3,785 | 1,270 | 2,048 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4,330 | 671 | 2,103 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 4,149 | 763 | 2,191 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 4,571 | 251 | 2,281 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 2.076 | 2.290 | 2.737 |
| | Cleaning of Heat Transfer Equipment (i) | 1,934 | 2,424 | 2,745 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 2.087 | 2.293 | 2,723 |
| | Keep an Inventory of All Motors | 3,018 | 1,723 | 2,362 |
| | Detect and Control Compressed Air Leaks (I) | 2,637 | 2,196 | 2,270 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 4,179 | 567 | 2,357 |
| 336111 | Automobiles | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 12 | 44 | 15 |
| | Aware of ISO 50001 | 31 | 39 | |
| | Implementing ISO 50001 | 30 | 10 | |
| | Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | D | 63 55 | υ 8 |
| | Set Goals for Improving Energy Consumption | 8 17 | 43 | 12 |
| | Quantitative Goals | 7 | 37 | 27 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 38 | 32 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 29 | 33 | 9 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 33 | 18 | 20 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 43 | 9 | 19 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 22 | 29 | 19 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 29 | 14 | 28 |
| | Process Heating Maintenance Program that Includes the Following: | 8 | | 32 |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 8 q | 31 34 | 29 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 6 | 39 | 26 |
| | Keep an Inventory of All Motors | 20 | 18 | 33 |
| | Detect and Control Compressed Air Leaks (I) | 24 | 34 | 13 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 27 | 32 | 12 |
| | | | | |
| 336112 | Light Trucks and Utility Vehicles | | | |
| | Person(s) Responsible for Energy Management (c) | 25 | 34 | 10 |
| | Aware of ISO 50001 | 27 | 36 | |
| | Implementing ISO 50001 | 25 | 11 | |
| | Energy Efficiency a part of Purchasing Decision | 13 | 51 | 5 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 22 | 31 | 16 |
| | Set Goals for Improving Energy Consumption | 27 | 28 | 14 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 0 40 | 28 24 | 41 |
| | Conduct Audits to Identify Energy Saving Opportunities | | 28 | 14 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 28 | 24 | 18 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 43 | 9 | 17 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 24 | 25 | 21 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 34 | 13 | 22 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 18 | 26 | 25 |
| | Cleaning of Heat Transfer Equipment (i) | 22 | 22 | 26 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 19 25 | 26 27 | 24 17 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 25 35 | 27 16 | 17 18 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 31 | 23 | 15 |
| | | | | |
| 3364 | Aerospace Product and Parts | | | |
| | Person(s) Responsible for Energy Management (c) | 683 | 310 | 206 |
| | Aware of ISO 50001 | 760 | 423 | |
| | Implementing ISO 50001 | 363 | 59 | |
| | Energy Efficiency a part of Purchasing Decision | 212 | 976 | 11 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 575 | 379 | 245 |
| | Set Goals for Improving Energy Consumption | 580 | 331 | 287 |
| | Quantitative Goals | 74 | 236 | 890 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 1,069 693 | 120 240 | 266 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 697 | 240 252 | 250 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 809 | 129 | 261 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 696 | 202 | 301 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 872 | 82 | 245 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 421 | 552 | 226 |

| | Cleaning of Heat Transfer Equipment (i) | 413 | 557 | 229 |
|--------|---|-----------------|--------------|------------------------|
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 340 | 617 | 242 |
| | Keep an Inventory of All Motors | 615 | 286 | 298 |
| | Detect and Control Compressed Air Leaks (I) | 535 | 370 | 29 ² 286 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 785 | 128 | 288 |
| 336411 | Aircraft | | | |
| | Person(s) Responsible for Energy Management (c) | 201 | 50 | 96 |
| | Aware of ISO 50001 | 237 | 103 | |
| | Implementing ISO 50001 | 99 | 5 | |
| | Energy Efficiency a part of Purchasing Decision | Q | 289 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 203 | 83 | 61 |
| | Set Goals for Improving Energy Consumption | 144 | <u>8</u> 6 | 117 |
| | Quantitative Goals | 26 331 | 54 11 | 267 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 186 | 44 | 117 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 204 | Q Q | 95 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 214 | <u>.</u> | 96 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 179 | 37 | 131 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 259 | 3 | 85 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 107 | 150 | 90 |
| | Cleaning of Heat Transfer Equipment (i) | 115 | 145 | 87 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 101 185 | 155 | 91 |
| | Keep an Inventory of All Motors | | 21 52 | 141 |
| | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems | 157 213 | 52 11 | 138 124 |
| | rrack the Amount of Chergy Spent in Compressed Air Systems | 213 | | |
| 337 | Furniture and Related Products | | | |
| | Person(s) Responsible for Energy Management (c) | 6,212 | 675 | 1,460 |
| | Aware of ISO 50001 | 6,899 | 796 | |
| | Implementing ISO 50001 | 770 | Q | |
| | Energy Efficiency a part of Purchasing Decision | 2,665 | 5,391 | 292 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 4,798 | 802 | 2,747 |
| | Set Goals for Improving Energy Consumption | 4,835 | 779 | 2,733 |
| | Quantitative Goals | Q | 498 | 7,683 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 7,646 | 342 | 1.647 |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 6,166 5,478 | 534 808 | 2,061 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 5,478 | 808 401 | 2,06 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 5,566 | 342 | 2,439 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 6,216 | Q | 1,952 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 3,399 | 2,372 | 2,576 |
| | Cleaning of Heat Transfer Equipment (i) | 3,257 | 2,226 | 2,864 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 3,445 | 1,937 | 2,965 |
| | Keep an Inventory of All Motors | 4,470 | 1,548 | 2,329 |
| | Detect and Control Compressed Air Leaks (I) | 4,312 | 1,844 | 2,191 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 6,590 | Q | 1,608 |
| 339 | Miscellaneous | | | |
| | Person(s) Responsible for Energy Management (c) | 9,431 | 2,130 | 2,118 |
| | Aware of ISO 50001 | 9,100 | 3,449 | |
| | Implementing ISO 50001 | 3,173 | 456 | |
| | Energy Efficiency a part of Purchasing Decision | 2,464 | 10,464 | 751 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 7,834 | 2,365 | 3,480 |
| | Set Goals for Improving Energy Consumption | 7,383 | 2,992 | 3,304 |
| | Quantitative Goals | 1,046 | 1,171 | 11,462 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 12,507 | 511 | - |
| | Conduct Audits to Identify Energy Saving Opportunities | 10,259 | 815 | 2,605 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8,542 | 1,350 963 | 3,787 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 9,267 9,067 | 963 581 | 3,449 4,030 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 10,189 | 318 | 3,172 |
| | Process Heating Maintenance Program that Includes the Following: | 10,107 | 310 | 3,1/2 |
| | Furance Inspections (h) | 5,075 | 4,541 | 4,063 |
| | Cleaning of Heat Transfer Equipment (i) | 4,847 | 4,165 | 4,667 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 4,536 | 4,565 | 4,577 |
| | Keep an Inventory of All Motors | 7,220 | 2,964 | 3,495 |
| | | | | |
| | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems | 6,379 10,073 | 3,446 273 | 3,854 3,333 |

⁽a) The Bureau of the Census classifies establishments using the 2017 North American Industry Classification System (NAICS). (b) This count includes only those establishments that reported this activity in 2018.

- (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 necessary to seal openings and repair cracks and damaged insulation in furnace walls, doors, etc.
- (i) The cleaning of heat transfer surfaces avoids buildup of soot, scale, or other material.
- (j) Process heating equipment includes, but is not limited to, temperature and pressure sensors, controllers, valve 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. * Estimate less than 0.5.
- D=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 Demand and Integrated Statistics, Form EIA-846, 2018 Manufacturing Energy Consumption Survey.

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-

RSE Table 8.4 Relative Standard Errors for Table 8.4;

Unit: Percents.

| AICS COUE(a |) Energy-Management Activity | No Participation | Participation(b) | Don't Know |
|-------------|---|---------------------|------------------|--------------|
| | | Total United States | | |
| 311 - 339 | All Manufacturing Industries | | | |
| | Person(s) Responsible for Energy Management (c) | 1.3 | 1.6 | 2. |
| | Aware of ISO 50001 | 1.0 | 1.6 | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 1.7 2.7 | 3.9 0.7 | 6.3 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 1.9 | 1.4 | 2. |
| | Set Goals for Improving Energy Consumption | 1.7 | 1.4 | 2 |
| | Quantitative Goals | 3.9 | 1.6 | 0.7 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.7 | 1.6 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 1.1 | 1.9 | 2.: |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 1.2 | 1.6 | 2.: |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.9 | 2.4 | 2.3 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 1.4 | 1.5 | 2.3 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 1.1 | 1.5 | 2.2 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 2.5 | 1.1 | 2.4 |
| | Cleaning of Heat Transfer Equipment (i) | 2.3 | 1.1 | 2.5 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 2.9 | 1.1 | 2.2 |
| | Keep an Inventory of All Motors | 2.1 | 1.3 | 2.6 |
| | Detect and Control Compressed Air Leaks (I) | 1.5 | 1.7 | 2.4 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 1.0 | 1.9 | 2.2 |
| 311 | Food | | | |
| | Person(s) Responsible for Energy Management (c) | 3.4 | 3.7 | 6.8 |
| | Aware of ISO 50001 | 2.3 | 4.3 | |
| | Implementing ISO 50001 | 4.9 | 7.3 | |
| | Energy Efficiency a part of Purchasing Decision | 6.5 | 1.8 | 16.0 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 5.1 | 3.0 | 5.9 |
| | Set Goals for Improving Energy Consumption | 4.7 | 3.1 | 6.4 |
| | Quantitative Goals | 10.4 | 3.5 | 2.1 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 1.9 | 3.3 | |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2.7 2.7 | 4.6 4.0 | 5.7 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2.7 | 7.8 | 5.8 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 4.4 | 3.3 | 4.9 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 3.2 | 3.8 | 4.8 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 8.1 | 2.5 | 6.0 |
| | Cleaning of Heat Transfer Equipment (i) | 8.6 | 2.5 | 5.5 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 9.4 | 2.4 | 5.9 |
| | Keep an Inventory of All Motors | 6.1 | 2.7 | 6.9 |
| | Detect and Control Compressed Air Leaks (I) | 3.7 | 3.8 | 5.9 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 2.3 | 4.1 | 5.4 |
| 3112 | Grain and Oilseed Milling | | | |
| | Person(s) Responsible for Energy Management (c) | 5.5 | 5.1 | 22.2 |
| | Aware of ISO 50001 | 4.9 | 6.4 | |
| | Implementing ISO 50001 | 7.6 | 10.6 | |
| | Energy Efficiency a part of Purchasing Decision | 13.4 | 3.5 4.3 | 49.6 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 8.8 9.9 | 4.5 | 18.8 25.2 |
| | Quantitative Goals | 10.0 | 4.5 | 6.3 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 4.5 | 3.7 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 4.7 | 4.2 | 14.4 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 5.2 | 5.1 | 17.3 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4.1 | 10.7 | 14.9 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 7.2 | 4.6 | 9.6 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 6.6 | 3.5 | 9.6 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 9.0 | 4.0 | 14.2 |
| | | | | |
| | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 12.1 11.0 | 4.1 3.9 | 11.4 13.4 |

| | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems | 6.2 4.6 | 6.1 4.2 | 15.5 13.5 |
|--------|--|--------------|--------------|---------------------------------------|
| 311221 | Wet Corn Milling | | | |
| | Person(s) Responsible for Energy Management (c) | D | 0.0 | D |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | 0.0 | |
| | Energy Efficiency a part of Purchasing Decision | 0.0 | 0.0 | X |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 0.0 | 0.0 | X |
| | Quantitative Goals | 0.0 | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | D | D |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 0.0 | D D | D D |
| | 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) | D | 0.0 | D |
| | Cleaning of Heat Transfer Equipment (i) | 0.0 | 0.0 | 0.0 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | D D | 0.0 0.0 | D D |
| | 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 | D.0 | D.C |
| | | | | - |
| 31131 | Sugar Manufacturing | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0.0 |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | 0.0 | |
| | Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 0.0 | 0.0 | 0.0 |
| | Set Goals for Improving Energy Consumption | 0.0 | 0.0 | 0.0 |
| | Quantitative Goals | 0.0 | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) | 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) Keep an Inventory of All Motors | 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 |
| 3114 | Fruit and Vegetable Preserving and Specialty Foods | | | |
| 3114 | | | | · · · · · · · · · · · · · · · · · · · |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 13.9 7.7 | 13.7 17.4 | 21.5 |
| | Implementing ISO 50001 | 19.2 | 28.3 | |
| | Energy Efficiency a part of Purchasing Decision | 24.4 | 5.9 | 50.7 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 19.6 | 11.4 | 20.8 |
| | Set Goals for Improving Energy Consumption | 15.2 | 13.5 | 19.8 |
| | Quantitative Goals | 40.3 | 15.2 | 6.8 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 6.2 11.3 | 13.0 17.1 | 19.4 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 9.3 | 14.4 | 20.3 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 7.8 | 23.8 | 21.2 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 19.5 | 11.9 | 19.4 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 12.1 | 17.3 | 18.0 |
| | Process Heating Maintenance Program that Includes the Following: | | 9.2 | 20.0 |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 29.8 34.4 | 9.2 8.6 | 26.0 23.6 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 34.4 36.8 | 8.8 | 26.2 |
| | Keep an Inventory of All Motors | 19.6 | 10.7 | 22.6 |
| | Detect and Control Compressed Air Leaks (I) | 12.0 | 14.3 | 24.8 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 7.4 | 15.2 | 20.4 |
| 3115 | Dairy Products | | | |
| | Person(s) Responsible for Energy Management (c) | 13.2 | 9.4 | 17.8 |
| | Aware of ISO 50001 | 7.1 | 14.1 | - |
| | Implementing ISO 50001 | 15.4 | 13.4 | |

| | Energy Efficiency a part of Purchasing Decision | 17.2 | 3.0 | 46.6 |
|------|---|--------------|--------------|--------------|
| | Energy Use Baseline for Comparing Energy Use in Future Years | 20.5 | 7.6 | 17.6 |
| | Set Goals for Improving Energy Consumption | 14.7 | 8.4 | 20.2 |
| | Quantitative Goals | 32.0 5.4 | 10.0 13.2 | 7.9 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 5.4 7.7 | 15.4 | 14.8 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 6.8 | 15.7 | 21.4 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 6.0 | 29.8 | 17.9 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 11.8 | 10.3 | 14.8 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 7.1 | 15.2 | 15.0 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 26.0 | 6.1 | 17.7 |
| | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 37.3 35.6 | 5.7 5.5 | 17.0 17.2 |
| | Keep an Inventory of All Motors | 18.2 | 7.1 | 18.9 |
| | Detect and Control Compressed Air Leaks (I) | 10.4 | 10.5 | 19.1 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 4.6 | 14.4 | 18.2 |
| | | | | |
| 3116 | Animal Slaughtering and Processing | | | |
| | Person(s) Responsible for Energy Management (c) | 9.2 | 12.2 | 14.2 |
| | Aware of ISO 50001 | 6.1 | 13.5 | |
| | Implementing ISO 50001 | 14.3 | 12.6 | |
| | Energy Efficiency a part of Purchasing Decision | 18.3 | 5.5 | 34.8 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 12.2 10.9 | 10.8 11.7 | 11.9 12.1 |
| | Quantitative Goals | 37.7 | 12.5 | 3.1 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 4.5 | 10.6 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 7.2 | 16.4 | 13.8 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8.0 | 16.0 | 12.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 7.3 | 22.7 | 12.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 12.5 | 11.6 | 11.0 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: | 8.2 | 15.6 | 12.4 |
| | Furance Inspections (h) | 24.7 | 7.8 | 13.2 |
| | Cleaning of Heat Transfer Equipment (i) | 21.7 | 8.4 | 13.4 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 29.0 | 7.6 | 13.6 |
| | Keep an Inventory of All Motors | 13.4 | 9.7 | 15.4 |
| | Detect and Control Compressed Air Leaks (I) | 11.4 | 12.2 | 12.6 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 7.1 | 27.9 | 12.1 |
| 312 | Beverage and Tobacco Products | | | |
| | Person(s) Responsible for Energy Management (c) | 3.4 | 4.9 | 10.8 |
| | Aware of ISO 50001 | 2.5 | 4.9 | 10.8 |
| | Implementing ISO 50001 | 5.1 | 17.3 | |
| | Energy Efficiency a part of Purchasing Decision | 10.2 | 1.8 | 28.5 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 5.0 | 4.2 | 8.8 |
| | Set Goals for Improving Energy Consumption | 4.4 | 4.5 | 9.4 |
| | Quantitative Goals | 17.4 | 5.0 5.5 | 2.6 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 1.1 2.5 | 7.6 | 8.6 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 3.4 | 8.2 | 7.2 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2.8 | 10.7 | 7.5 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 3.5 | 4.1 | 7.3 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 2.8 | 6.1 | 6.8 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 5.0 | 4.3 | 8.3 |
| | Cleaning of Heat Transfer Equipment (i) | 5.9 6.7 | 4.1 | 7.4 7.4 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 5.3 | 4.0 | 8.7 |
| | Detect and Control Compressed Air Leaks (I) | 4.2 | 4.8 | 7.9 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 2.8 | 3.8 | 7.6 |
| 3121 | Beverages | | | |
| 2121 | DCVC10gC3 | | | |
| | Person(s) Responsible for Energy Management (c) | 6.4 | 12.2 | 17.5 |
| | Aware of ISO 50001 | 4.5 13.8 | 12.6 37.9 | - |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 13.8 D | 37.9 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 9.6 | 10.1 | 13.4 |
| | Set Goals for Improving Energy Consumption | 8.7 | 10.0 | 15.8 |
| | Quantitative Goals | 22.7 | 14.1 | 4.8 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 2.1 | 19.7 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 5.2 | 16.4 | 14.8 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 7.8 | 13.2 | 13.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 5.8 | 21.2 | 13.1 |

| | Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 6.2 5.6 | 15.9 25.1 | 12.0 11.7 |
|------|--|--------------|--------------|--------------|
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 11.0 | 10.0 | 11.8 |
| | Cleaning of Heat Transfer Equipment (i) | 12.4 | 9.3 | 11.5 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 14.3 9.2 | 8.2 10.4 | 12.3 14.0 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 7.4 | 10.4 | 14.0 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 5.1 | 23.7 | 13.0 |
| 3122 | Тоћассо | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0.0 |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 D | 0.0 0.0 | D |
| | Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0.0 |
| | Set Goals for Improving Energy Consumption | 0.0 | 0.0 | 0.0 |
| | Quantitative Goals | 0.0 | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 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 |
| | 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) Keep an Inventory of All Motors | 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 |
| 313 | Textile Mills | | | |
| | Person(s) Responsible for Energy Management (c) | 6.9 | 15.7 | 24.7 |
| | Aware of ISO 50001 | 6.1 | 17.7 | |
| | Implementing ISO 50001 | 18.1 | 39.5 | |
| | Energy Efficiency a part of Purchasing Decision | 26.2 | 5.5 | 51.7 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 10.4 10.0 | 15.4 15.8 | 21.0 21.1 |
| | Quantitative Goals | 43.4 | 18.3 | 5.4 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 2.8 | 21.9 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 7.1 | 18.5 | 21.3 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 9.4 | 16.0 | 26.2 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 5.0 6.9 | 34.0 18.7 | 24.2 |
| | Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 6.9 5.9 | 25.5 | 19.0 19.3 |
| | Process Heating Maintenance Program that Includes the Following: | 3.3 | 23.3 | 15.5 |
| | Furance Inspections (h) | 16.6 | 13.1 | 19.9 |
| | Cleaning of Heat Transfer Equipment (i) | 18.8 | 13.0 | 19.2 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 18.7 | 12.6 | 19.2 |
| | Keep an Inventory of All Motors | 11.5 | 15.1 | 22.7 22.7 |
| | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems | 12.0 5.9 | 14.2 27.6 | 23.9 |
| 314 | Textile Product Mills | | | |
| | Parcoa(c) Passoscible for Energy Management (c) | 19.2 | 45.8 | 75.4 |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 19.2 | 45.8 39.6 | 25.4 |
| | Implementing ISO 50001 | 43.5 | 56.7 | |
| | Energy Efficiency a part of Purchasing Decision | 32.0 | 14.5 | 66.9 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 20.6 | 39.7 | 25.2 |
| | Set Goals for Improving Energy Consumption | 22.1 | 33.7 | 28.9 |
| | Quantitative Goals | 70.0 | 48.1 60.2 | 5.5 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 7.0 15.0 | 63.7 | 31.3 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 20.2 | 57.6 | 22.6 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 19.6 | 96.0 | 20.1 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 13.9 | 46.2 | 29.5 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: | 14.0 | 55.6 | 28.8 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 22.1 | 41.4 | 24.1 |
| | Cleaning of Heat Transfer Equipment (i) | 29.5 | 38.2 | 18.9 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 31.5 | 36.0 | 18.5 |
| | Keep an Inventory of All Motors | 22.9 | 46.8 | 22.0 |
| | Detect and Control Compressed Air Leaks (I) | 19.8 | 52.2 | 23.7 |

| | Track the Amount of Energy Spent in Compressed Air Systems | 18.5 | 86.2 | 23.3 |
|--------|---|--------------|--------------|--------------|
| 315 | Apparel | | | |
| | Person(s) Responsible for Energy Management (c) | 11.3 | 54.8 | 41.9 |
| | Aware of ISO 50001 | 8.6 | 31.9 | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 31.4 36.4 | X 16.9 | 62.0 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 36.4 15.8 | 56.2 | 36.3 |
| | Set Goals for Improving Energy Consumption | 18.1 | 42.0 | 40.5 |
| | Quantitative Goals | 59.5 | 46.2 | 8.6 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 12.5 | 60.2 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 17.2 15.2 | 42.6 44.8 | 46.0 32.9 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 14.8 | 72.4 | 32.9 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 13.1 | 43.2 | 36.7 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 17.0 | 83.8 | 31.8 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 22.3 26.0 | 44.8 45.5 | 29.0 24.8 |
| | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 34.3 | 45.5 50.8 | 24.8 17.2 |
| | Keep an Inventory of All Motors | 20.2 | 48.8 | 31.6 |
| | Detect and Control Compressed Air Leaks (I) | 15.9 | 45.5 | 32.4 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 17.0 | 61.4 | 28.5 |
| 316 | Leather and Allied Product | | | |
| | Person(s) Responsible for Energy Management (c) | 17.5 | 39.6 | 28.0 |
| | Aware of ISO 50001 | 6.9 | 35.7 | |
| | Implementing ISO 50001 | 36.4 | 40.3 | |
| | Energy Efficiency a part of Purchasing Decision | 33.3 | 12.3 | 59.0 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 12.2 | 27.0 | 31.4 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 18.1 40.3 | 28.7 25.9 | 20.7 1.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 3.0 | 16.8 | 1.0 |
| | Conduct Audits to Identify Energy Saving Opportunities | 15.3 | 41.9 | 28.2 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 14.3 | 41.5 | 29.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 17.4 | 56.3 | 21.9 |
| | Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 10.4 9.2 | 18.0 D | 28.1 D |
| | Process Heating Maintenance Program that Includes the Following: | 9.2 | D | U |
| | Furance Inspections (h) | 21.7 | 26.7 | 24.6 |
| | Cleaning of Heat Transfer Equipment (i) | 25.7 | 26.5 | 21.3 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 29.1 | 24.6 | 21.6 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 18.9 21.7 | 36.3 34.6 | 25.6 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 14.3 | 23.2 | 22.6 24.0 |
| 321 | Wood Products | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 3.7 3.7 | 10.4 9.5 | 9.7 |
| | Implementing ISO 50001 | 9.8 | 23.8 | |
| | Energy Efficiency a part of Purchasing Decision | 12.3 | 5.4 | 21.8 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 7.3 | 9.3 | 10.8 |
| | Set Goals for Improving Energy Consumption | 6.5 | 10.3 | 10.3 |
| | Quantitative Goals | 18.0 | 12.1 | 2.6 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 2.6 5.3 | 13.0 14.1 | 8.3 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4.4 | 8.9 | 8.2 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 3.7 | 11.6 | 8.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 4.9 | 9.7 | 7.8 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 4.1 | 10.8 | 8.0 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 8.5 | 5.7 | 7.8 |
| | Cleaning of Heat Transfer Equipment (i) | 9.1 | 5.9 | 8.4 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 8.7 | 7.7 | 11.6 |
| | Keep an Inventory of All Motors | 8.2 | 6.7 | 12.9 |
| | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems | 7.6 3.8 | 6.3 12.8 | 8.0 8.4 |
| 321113 | Sawmills | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 4.9 3.9 | 10.7 13.5 | 16.1 |
| | Implementing ISO 50001 | 13.3 | 51.7 | |
| | Energy Efficiency a part of Purchasing Decision | 13.8 | 5.2 | 21.8 |
| | | | | |

| Quantitative Codes 1 | | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 8.2 7.3 | 10.6 12.7 | 10.9 12.3 |
|--|--------|--|--|---|--|
| Conduct Audits to Selectic Electricy Consumption in Times of Critical Grid Conditions 5.3 13.5 14.3 | | Quantitative Goals | D | D | 3.0 |
| Procedure to Reface Factoricy Consumption in Times of Critical Grid Conditions 5.2 13.0 13.3 13.4 | | | | | 14.2 |
| Automation Controls to Reduce Tectricity Consumption in Timese of Orlical Grid Conditions 5.2 13.0 13.3 13.4 13.3 | | | | | |
| Use Piac Gas to Proheard Other Equipment of Processes (g) 56 9.4 31.4 Process Peasing Maintenance Program that Prolating: 10.5 Cleaning of Heal Transfer Equipment (g) 11.4 8.2 11.4 Impacting, Colibaring, and Adjusting Process Healting Equipment (g) 11.4 8.2 11.4 Reep an invention of All Motors 11.8 6.5 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct and Control Compressed At Losis (g) 8.8 8.8 14.5 Direct Directory pair of Humbaring Decision 8.8 8.8 14.5 14.5 Direct Directory pair of Humbaring Decision 8.1 8.8 14.5 14.5 Direct Directory pair of Humbaring Decision 8.1 8.8 14.5 14.5 Direct Directory pair of Humbaring Decision 8.1 8.8 14.5 14.5 14.5 Direct Directory pair of Humbaring Decision 8.1 8.8 14.5 1 | | | 5.2 | 13.0 | |
| Process leading Matthemanic Program that Incidues the Following: | | | | | |
| Furname Inspections (iv) 10.5 8.3 12.4 12.4 12.2 11.4 12.2 11.4 12.2 11.4 12.2 11.4 12.2 11.4 12.2 11.4 12.2 12 | | | 5.6 | 9.4 | 11.4 |
| Cleaning of heart Transfer Equipment () | | | 10.5 | 0 2 | 12.4 |
| Inspecting, Californing, and Aglasting Pocess Hearing Equipment (i) | | | | | |
| Detect and Control Compressed Air Laba (1) Tack the Amount of Energy Sport in Compressed Air Systems 5.5 | | | | | |
| Variable Amount of Energy Spent in Compressed Air Systems 5.5 | | | 11.8 | | |
| Process New North Process Pr | | Detect and Control Compressed Air Leaks (I) | | | |
| Personi, Responsible for Energy Management (c) | | | 5.5 | | b |
| Aware of 80 50001 Inglementing (50 5000) Ingl | 3212 | | | | |
| Implementing ISO 50001 16.2 33.6 1.3 40.9 | | | | | 20.4 |
| Energy Efficiency a part of Purchasing Decision | | | 6.2 | | |
| Energy Lie Baseline for Comparing Energy Use in Stutier Years 14.0 14.0 28.3 28.5 28.0 24.0 23.3 17.4 6.8 28.5 28.0 29.3 17.4 6.8 28.5 29.0 29.0 29.3 27.3 27.4 6.8 29.0 29 | | | | | 40.9 |
| Set Goals for Improving Energy Consumption 11.5 16.9 24.0 | | | | | |
| Submetering (metering beyond the main utility, revenue or supplier meter) 3.9 17.1 | | | | 16.9 | 24.0 |
| Conduct Audits to Identify Energy Saving Opportunities 10.2 19.5 16.1 | | | | | 6.8 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 4.2 18.7 17.9 | | | | | |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.1 15.7 17.9 | | | | | |
| Measure Oxygen and Carbon Dioxide Levels (f) 6.2 14.8 17.5 | | | | | |
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| Conduct Audits to Identify Energy Saving Opportunities 7.4 27.6 14.4 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.9 21.8 12.7 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 7.8 32.1 | 3219 | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Other Wood Products Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 8,9 19.6 D 28.9 19.2 36.2 8.0 23.6 7.1 3.9 13.5 8.7 33.9 35.4 42.5 77.1 20.3 5.9 5.9 5.0 19.1 17.1 10.0 9.5 | 19.6 D 20.3 19.0 23.8 19.6 19.2 23.4 18.0 24.0 19.3 18.0 9.6 9.3 18.7 18.7 18.7 11.9 18.0 30.6 20.7 96.7 | 33.7 34.0 34.0 33.7 34.0 35.7 34.0 34.0 34.0 34.0 34.0 34.0 34.0 34.0 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.9 21.8 12.7 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 7.8 32.1 12.5 | 3219 | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Other Wood Products Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 8,9 19.6 D 28.9 19.2 36.2 8.0 23.6 7.1 3.9 13.5 8.7 33.9 35.4 42.5 27.1 20.3 5.9 5.9 5.0 19.1 17.1 10.0 9.5 38.3 | 19.6 D 20.3 19.0 23.8 19.6 19.2 23.4 18.0 24.0 19.3 18.0 9.6 9.3 18.7 18.7 11.9 18.0 30.6 20.7 96.7 6.1 17.4 19.6 34.5 | 33.7 34.0 34.0 33.7 34.0 34.0 34.0 34.0 34.0 34.0 34.0 34.0 |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 7.8 32.1 12.5 | 3219 | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Other Wood Products Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 8.9 19.6 D 28.9 19.2 36.2 8.0 23.6 7.1 3.9 13.5 8.7 33.9 35.4 42.5 27.1 20.3 5.9 5.9 5.0 19.1 17.1 10.0 9.5 38.3 3.6 | 19.6 D 20.3 19.0 23.8 19.6 19.2 23.4 18.0 24.0 19.3 18.0 9.6 9.3 18.7 11.9 18.0 30.6 20.7 96.7 6.1 17.4 19.6 34.5 36.3 | 33.7 34.0 34.0 35.0 35.0 35.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36 |
| | 3219 | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Other Wood Products Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 8,9 19.6 D D R,9 19.2 36.2 8.0 23.6 7.1 3.9 13.5 8.7 33.9 33.9 35.4 42.5 27.1 20.3 5.9 5.0 19.1 17.1 10.0 9.5 38.3 3.6 7.4 | 19.6 D 20.3 19.0 23.8 19.6 19.2 23.4 18.0 24.0 19.3 18.0 9.6 9.3 18.7 18.7 18.7 11.9 18.0 30.6 20.7 96.7 6.1 17.4 19.6 34.5 36.3 27.6 | 33.7 34.0 54.8 18.0 18.0 18.0 18.0 33.7 34.0 54.8 21.3 19.9 16.5 34.0 13.4 13.2 3.0 13.4 |
| | 3219 | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 (f) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Other Wood Products Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8.9 19.6 D 28.9 19.2 36.2 8.0 23.6 7.1 3.9 13.5 8.7 33.9 35.4 42.5 27.1 20.3 5.9 5.9 5.0 19.1 17.1 10.0 9.5 38.3 3.6 7.4 8.9 | 19.6 D 20.3 19.0 23.8 19.6 19.2 23.4 18.0 24.0 19.3 18.0 9.6 9.3 18.7 11.9 18.0 30.6 20.7 96.7 6.1 17.4 19.6 34.5 36.3 27.6 21.8 | 54.4 44.3 12.7 21.2 23.8 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18 |

| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 6.1 | 24.2 | 14.5 |
|--------|--|--------------|--------------|--------------|
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 11.5 | 12.6 | 15.4 |
| | Cleaning of Heat Transfer Equipment (i) | 12.3 | 12.1 | 15.0 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 12.1 11.0 | 12.5 13.6 | 14.6 15.0 |
| | Detect and Control Compressed Air Leaks (I) | 12.8 | 11.6 | 15.0 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 6.4 | 45.7 | 15.1 |
| | 1100 the Announced State of the Complete Sta | | | |
| 322 | Paper | | | |
| | Person(s) Responsible for Energy Management (c) | 3.8 | 1.8 | 7.2 |
| | Aware of ISO 50001 | 2.8 | 2.3 | |
| | Implementing ISO 50001 | 2.5 | 6.1 | |
| | Energy Efficiency a part of Purchasing Decision | 8.2 | 1.1 | 23.1 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 9.4 | 1.7 | 8.1 |
| | Set Goals for Improving Energy Consumption | 5.2 | 1.8 | 8.2 |
| | Quantitative Goals | 4.4 2.7 | 2.0 1.5 | 2.5 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 3.4 | 1.5 | 6.5 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4.3 | 1.5 | 7.4 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2.6 | 2.2 | 6.2 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 6.0 | 1.4 | 6.6 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 3.4 | 1.0 | 7.2 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 9.6 | 1.7 | 7.3 |
| | Cleaning of Heat Transfer Equipment (i) | 6.0 | 1.9 | 7.1 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 11.6 | 1.7 | 7.5 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 10.7 3.4 | 1.7 2.3 | 6.0 8.0 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 3.4 1.9 | 2.3 | 6.4 |
| | Track the Aniount of Chergy Spent in Complessed Air Systems | 1.9 | 2.9 | 0.4 |
| 322110 | Pulp Mills | | | |
| | Person(s) Responsible for Energy Management (c) | D | 0.0 | D |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | D | |
| | Energy Efficiency a part of Purchasing Decision | D | D | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | X |
| | Set Goals for Improving Energy Consumption | D | 0.0 | D |
| | Quantitative Goals | 0.0 | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 0.0 | 0.0 | X |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 D | 0.0 | x |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | D | 0.0 | D |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 0.0 | 0.0 | X |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | X | D | D |
| | Cleaning of Heat Transfer Equipment (i) | D | 0.0 | D |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | X X | D | D |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | x 0.0 | 0.0 | 0.0 X |
| | Track the Amount of Energy Spent in Compressed Air Systems | 0.0 | 0.0 | 0.0 |
| | Track the Amount of Energy spent in Compressed Air Systems | 0.0 | | |
| 322121 | Paper Mills, except Newsprint | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0.0 |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | 0.0 | |
| | Energy Efficiency a part of Purchasing Decision | D | 0.0 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0.0 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 0.0 0.0 | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | 0.0 |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 0.0 | 0.0 | 0.0 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 0.0 | 0.0 | 0.0 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 0.0 | 0.0 | 0.0 |
| | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 0.0 | 0.0 | 0.0 |
| | inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 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 |
| | | | | |

| 322122 | Newsprint Mills | | | |
|--------|--|-------------|--------------|------------|
| | Person(s) Responsible for Energy Management (c) | D | 0.0 | |
| | Aware of ISO 50001 | D | 0.0 | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 0.0 D | X D | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | D | 0.0 | |
| | Set Goals for Improving Energy Consumption | D | 0.0 | i |
| | Quantitative Goals | D | 0.0 | |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | D | 0.0 | |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | D | 0.0 | |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | D D | 0.0 0.0 | |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | D | 0.0 | |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | D | 0.0 | |
| | Cleaning of Heat Transfer Equipment (i) | D | 0.0 | |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | D | 0.0 | |
| | Keep an Inventory of All Motors | D | 0.0 | |
| | Detect and Control Compressed Air Leaks (I) | D | 0.0 | |
| | Track the Amount of Energy Spent in Compressed Air Systems | 0.0 | D | |
| 322130 | Paperboard Mills | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0. |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | 0.0 | |
| | Energy Efficiency a part of Purchasing Decision | 0.0 | 0.0 | 0. |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0. |
| | Set Goals for Improving Energy Consumption | 0.0 | 0.0 | 0. |
| | Quantitative Goals | 0.0 | 0.0 | 0. |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0. |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0. |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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 | | |
| | 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. |
| | Keep an Inventory of All Motors | 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 |
| 323 | Printing and Related Support | | | |
| | Person(s) Responsible for Energy Management (c) | 4.5 | 21.3 | 17.9 |
| | Aware of ISO 50001 | 3.6 | 18.2 | |
| | Implementing ISO 50001 | 19.3 | 61.7 | |
| | Energy Efficiency a part of Purchasing Decision | 15.0 | 4.5 | 35. |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 5.9 | 17.1 | 14. |
| | Set Goals for Improving Energy Consumption | 6.2 | 17.7 | 13. |
| | Quantitative Goals | 32.3 2.1 | 24.2 | 3. |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 2.1 | 38.0 23.3 | 17. |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 5.3 | 19.2 | 15. |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4.5 | 28.2 | 15. |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 4.8 | 38.6 | 13. |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 4.8 | 32.4 | 14. |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 9.6 | 11.1 | 12. |
| | Cleaning of Heat Transfer Equipment (i) | 9.7 | 11.5 | 11. |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 9.5 | 12.1 | 11. |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 6.7 6.9 | 14.9 14.6 | 14. 13. |
| | Track the Amount of Energy Spent in Compressed Air Systems | 4.5 | 47.5 | 13. |
| 324 | | | | |
| 324 | Petroleum and Coal Products | | | |
| | Person(s) Responsible for Energy Management (c) | 5.1 | 2.5 | 9. |
| | Aware of ISO 50001 | 3.3 | 3.9 | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 4.0 8.3 | 11.7 3.1 | 29. |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 8.3 9.1 | 3.1 | 29. 7. |
| | Energy one describe for comparing energy one in radial tents | J.1 | 3.0 | |

| | Set Goals for Improving Energy Consumption | 6.8 | 3.1 | 7.8 |
|--------|---|--------------|--------------|--------------|
| | Quantitative Goals | 6.1 | 3.3 | 1.7 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 2.9 4.1 | 1.9 3.0 | 8.3 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4.1 | 3.2 | 8.1 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 3.6 | 4.9 | 8.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 6.7 | 3.7 | 7.2 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 5.0 | 2.0 | 8.0 |
| | Process Heating Maintenance Program that Includes the Following: | | 3.2 | |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 11.4 8.6 | 3.2 | 9.4 9.1 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 15.3 | 3.1 | 9.5 |
| | Keep an Inventory of All Motors | 10.4 | 3.2 | 9.7 |
| | Detect and Control Compressed Air Leaks (I) | 4.3 | 5.4 | 8.6 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 3.4 | 5.3 | 8.1 |
| | | | | |
| 324110 | Petroleum Refineries | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0.0 |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | 0.0 | |
| | Energy Efficiency a part of Purchasing Decision | D | 0.0 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 0.0 | 0.0 | 0.0 |
| | Quantitative Goals | 0.0 | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) 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 |
| | Cleaning of Heat Transfer Equipment (i) | 0.0 | 0.0 | 0.0 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | D | 0.0 | D |
| | Keep an Inventory of All Motors | D | 0.0 | D 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 |
| 324121 | Asphalt Paving Mixture and Block | | | |
| | Person(s) Responsible for Energy Management (c) | 7.9 5.5 | 7.6 | 9.3 |
| | Aware of ISO 50001 Implementing ISO 50001 | 5.5 8.6 | 7.8 35.8 | |
| | Energy Efficiency a part of Purchasing Decision | 11.4 | 4.1 | 30.6 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 10.8 | 6.6 | 8.6 |
| | Set Goals for Improving Energy Consumption | 8.7 | 6.8 | 8.7 |
| | Quantitative Goals | 12.2 | 11.0 | 4.6 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 2.0 6.3 | 10.1 12.3 | 7.8 |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 7.3 | 12.3 8 9 | 8.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 6.0 | 14.1 | 7.9 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 12.1 | 6.6 | 7.1 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 6.9 | 10.1 | 6.5 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 13.1 9.6 | 5.4 5.3 | 10.1 10.1 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 18.7 | 4.9 | 10.1 |
| | Keep an Inventory of All Motors | 11.7 | 6.3 | 8.8 |
| | Detect and Control Compressed Air Leaks (I) | 6.9 | 9.7 | 8.5 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 5.1 | 39.9 | 8.2 |
| 324122 | Asphalt Shingle and Coating Materials | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 13.3 | 12.7 | 21.4 |
| | Aware of ISO 50001 | 6.9 | 13.1 | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 13.2 20.4 | 40.6 12.2 | 17.3 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 29.0 | 12.6 | 15.2 |
| | Set Goals for Improving Energy Consumption | 22.5 | 12.6 | 15.7 |
| | Quantitative Goals | 12.4 | 12.9 | 4.8 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 5.7 | 12.6 | |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 12.8 12.7 | 12.9 13.9 | 16.9 19.2 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 11.9 | 12.1 | 21.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 13.3 | 12.6 | 17.1 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 12.4 | 12.4 | 21.9 |
| | | | | |

| 324191 | 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 | 15.1 16.5 12.2 | 11.9 11.9 | 22.1 |
|--------|---|----------------------|--------------|-------------|
| 324191 | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 16.5 | 11.9 | 22.1 |
| 324191 | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 17 7 | | |
| 324191 | Keen an inventory of All Motors | 14.4 | 11.7 | 23.7 |
| 324191 | | 32.2 | 12.2 | 25.8 |
| 324191 | Detect and Control Compressed Air Leaks (I) | 15.0 | 12.6 | 23.8 |
| 324191 | Track the Amount of Energy Spent in Compressed Air Systems | 12.1 | 12.1 | 20.3 |
| | Petroleum Lubricating Oil and Grease Products | | | |
| | Person(s) Responsible for Energy Management (c) | 14 | 15 | 30 |
| | Aware of ISO 50001 | 14 | 17 | |
| | Implementing ISO 50001 | 17 | D | |
| | Energy Efficiency a part of Purchasing Decision | 23 | 13 | 53 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 21 | 22 | 23 26 |
| | Quantitative Goals | 18 14 | 16 17 | 4 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 11 | 13 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 13 | 18 | 30 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 13 | 20 | 29 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 12 | 28 | 28 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 22 | 22 | 21 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 15 | 16 | 23 |
| | Process Heating Maintenance Program that Includes the Following: Furnance Inspections (h) | 31 | 15 | 26 |
| | Cleaning of Heat Transfer Equipment (i) | 33 | 15 | 26 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 31 | 15 | 26 |
| | Keep an Inventory of All Motors | 23 | 16 | 29 |
| | Detect and Control Compressed Air Leaks (I) | 17 | 26 | 26 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 13 | 13 | 25 |
| 324199 | Other Petroleum and Coal Products | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0.0 |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | D | |
| | Energy Efficiency a part of Purchasing Decision | D | 0.0 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0.0 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 0.0 | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) 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 | 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) | D | 0.0 | D |
| | Keep an Inventory of All Motors | D | 0.0 | D |
| | Detect and Control Compressed Air Leaks (I) | 0.0 | 0.0 0.0 | 0.0 |
| | Track the Amount of Energy Spent in Compressed Air Systems | U.U | 0.0 | 0.0 |
| 325 | Chemicals | | | |
| | Person(s) Responsible for Energy Management (c) | 4.0 | 4.7 | 4.6 |
| | Aware of ISO 50001 | 2.5 | 3.5 | |
| | Implementing ISO 50001 | 3.8 | 10.7 1.7 | |
| | Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | 6.0 6.0 | 3.4 | 12.1 4.4 |
| | Set Goals for Improving Energy Consumption | 4.9 | 2.9 | 5.2 |
| | Quantitative Goals | 9.4 | 3.7 | 1.8 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 2.3 | 4.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 2.7 | 4.4 | 5.3 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2.6 | 4.3 | 5.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 2.2 3.8 | 6.3 3.9 | 4.8 4.4 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 3.1 | 4.3 | 4.9 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 6.5 | 2.7 | 5.7 |
| | Cleaning of Heat Transfer Equipment (i) | 6.6 | 2.9 | 6.0 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 7.9 6.3 | 2.5 3.1 | 6.0 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 6.3 | 3.1 4.8 | 6.2 5.6 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 2.6 | 5.0 | 5.0 |

| 5110 | Petrochemicals | | | |
|------|---|---|--|---|
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0. |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | 0.0 | |
| | Energy Efficiency a part of Purchasing Decision | 0.0 | 0.0 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0. |
| | Set Goals for Improving Energy Consumption | 0.0 | 0.0 | 0. |
| | Quantitative Goals | 0.0 | 0.0 | 0. |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 0.0 | 0.0 | 0 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 0.0 | 0.0 | 0 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 0.0 | 0.0 | 0 |
| | Cleaning of Heat Transfer Equipment (i) | 0.0 | 0.0 | C |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 0.0 | 0.0 | (|
| | Keep an Inventory of All Motors | 0.0 | 0.0 | (|
| | Detect and Control Compressed Air Leaks (I) | 0.0 | 0.0 | (|
| | Track the Amount of Energy Spent in Compressed Air Systems | 0.0 | 0.0 | |
| 120 | Industrial Gases | | | |
| | Person(s) Responsible for Energy Management (c) | 30.7 | 16.5 | 1 |
| | Aware of ISO 50001 | 24.4 | 16.9 | 1 |
| | Implementing ISO 50001 | 16.9 | 10.9 X | |
| | Energy Efficiency a part of Purchasing Decision | 48.2 | 11.2 | <u>1</u> |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 49.3 | 15.1 | 1 |
| | Set Goals for Improving Energy Consumption | 41.9 | 14.7 | 1 |
| | Quantitative Goals | 73.5 | 15.4 | |
| | | 24.3 | 17.6 | 1 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 24.3 | 23.9 | <u>1</u> |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 14.1 | 16.6 | 1 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 13.1 | 18.2 | 1 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 14.1 | 50.2 | 1 |
| | | | | |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that includes the Following: | 10.3 | 12.1 | 1 |
| | Furance Inspections (h) | 31.8 | 24.8 | 1 |
| | Cleaning of Heat Transfer Equipment (i) | 51.8 51.1 | 15.8 | 1 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 50.0 | 19.1 | 1 |
| | Keep an Inventory of All Motors | 41.0 | 17.0 | 1 |
| | Detect and Control Compressed Air Leaks (I) | 33.8 | 21.6 | 1 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 25.8 | 27.1 | 1 |
| | | | | |
| 180 | Other Basic Inorganic Chemicals | | | |
| | Person(s) Responsible for Energy Management (c) | 13.3 | 18.2 | 2 |
| | Aware of ISO 50001 | 11.2 | 16.1 | |
| | Implementing ISO 50001 | 18.9 | 19.1 | |
| | Energy Efficiency a part of Purchasing Decision | 31.4 | 8.6 | 5 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 25.9 | 13.1 | 2 |
| | Set Goals for Improving Energy Consumption | 14.4 | 16.1 | 2 |
| | Quantitative Goals | 52.4 | 18.9 | |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 9.0 | 16.2 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 12.3 | 20.0 | 2 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 12.1 | 19.3 | 2 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8.7 | 14.6 | 2 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 16.8 | 15.7 | 2 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 14.5 | 18.0 | 2 |
| | | | | |
| | Process Heating Maintenance Program that Includes the Following: | | | 2 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 31.2 | 13.4 | |
| | | 31.2 32.7 | 13.4 | |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | | | |
| | Furance Inspections (h) | 32.7 | 13.3 | 2 |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 32.7 37.8 | 13.3 12.9 | 2 |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 32.7 37.8 29.9 | 13.3 12.9 10.6 | 2 2 2 |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) | 32.7 37.8 29.9 13.0 | 13.3 12.9 10.6 17.1 | 2 |
| 193 | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems | 32.7 37.8 29.9 13.0 | 13.3 12.9 10.6 17.1 | 2 2 2 |
| 193 | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Ethyl Alcohol | 32.7 37.8 29.9 13.0 8.5 | 13.3 12.9 10.6 17.1 29.9 | 2 2 2 |
| 193 | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Ethyl Alcohol Person(s) Responsible for Energy Management (c) | 32.7 37.8 29.9 13.0 8.5 | 13.3 12.9 10.6 17.1 29.9 | 2 2 2 |
| 193 | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Ethyl Alcohol Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 32.7 37.8 29.9 13.0 8.5 | 13.3 12.9 10.6 17.1 29.9 | 2 2 2 |
| 193 | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Ethyl Alcohol Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 | 32.7 37.8 29.9 13.0 8.5 7.3 5.1 | 13.3 12.9 10.6 17.1 29.9 7.3 6.9 28.3 | 2 |

| Submentioning interesting beyond the man sellisty, revenue or supplier method 6.8 4.7 | | Quantitative Goals | 11.6 | 6.0 | 6.4 |
|--|--------|--|------|--------------|------|
| Procedure to Residue Electricity Consumption in Times of Cricial of Indications | | Submetering (metering beyond the main utility, revenue or supplier meter) | 6.8 | 4.7 | |
| Automation Controls to Reduce Rectanger Consumption in Times of Critical Grid Conditions 45 10.4 7.0 | | | | | |
| Messare Corgen and Carbon Dioxide Levels (f) | | | | | |
| Use Flue Cas So Preheat Other Equipment of increases (g) 15.4 5.3 7.7 | | | | | |
| Process Nestating Maintenance Program that includes the Following: | | | | | |
| Cleaning of heat Transfer Equipment () | | Process Heating Maintenance Program that Includes the Following: | | | |
| Impecting, California, and Agistating Fouriers learning Equipment (i) | | | | | |
| Seep an inventory of All Motions | | | | | |
| Detect and Control Compressed Air Lask (5) 8.7 2.2 | | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | | | |
| Track the Annount of Energy Spent in Compressed Air Systems Person(s) Responsible for Energy Management () Avarea of SO 50001 Person(s) Responsible for Energy Management () Avarea of SO 50001 Person(s) Responsible for Energy Management () Energy the Revenite for Companing Energy Use in Hutter Vears OU 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | |
| Person() Responsible for Energy Management (c) | | | | | |
| Person(s) Responsible for Energy Management (c) | | | | | |
| Aware of 60 50001 Implementing 60 50001 Implementing 60 50001 Energy Efficiency a part of Purchasing Decision Energy to the Seafine for Companing Energy Use in Future Years 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 325194 | Cyclic crudes, intermediate and Gum and Wood Chemicals | | | |
| Implementing SD 50001 | | | | | 0.0 |
| Energy Efficiency a part of Purchasing Decision | | | | | |
| Energy Les Baseline for Companing Energy Use in Future Years | | | | _ | |
| Set Gals for Improving Energy Consumption | | | | | |
| Quantitative Goals | | | | | |
| Submetering (metering beyond the main utility, revenue or supplier meter) | | | 0.0 | 0.0 | 0.0 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions O. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | | | | | |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Messaver Oxygen and Carbon Dioxide Levels (†) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | | | | | |
| Messure Oxygen and Carbon Dioxide Exvels (f) | | | | | |
| Use Flue Gais to Pethear Other Equipment or Processes (g) | | | | | |
| Process Heating Maintenance Program that Includes the Following: Furnace Inspections (h) | | | | | |
| Furrance Inspections (h) | | | | | |
| Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | | | 0.0 | 0.0 | 0.0 |
| Neep an inventory of All Motors | | | | | |
| Detect and Control Compressed Air Leaks (I) 0.0 | | | | | |
| Track the Amount of Energy Spent in Compressed Air Systems 0.0 | | | | | |
| Person(s) Responsible for Energy Management (c) | | | | | |
| Person(s) Responsible for Energy Management (c) | | riack the Aniount of Lifetgy spent in Compressed An Systems | 0.0 | 0.0 | |
| Aware of ISO 50001 | 325199 | Other Basic Organic Chemicals | | | |
| Aware of ISO 50001 | | Parson(s) Responsible for Energy Management (c) | 14.9 | 12.6 | 18./ |
| Implementing ISO 50001 | | | | | 10.4 |
| Energy Use Baseline for Comparing Energy Use in Future Years 21.9 8.7 19.7 | | | | | |
| Set Goals for Improving Energy Consumption 16.5 11.8 18.9 | | Energy Efficiency a part of Purchasing Decision | | 8.6 | |
| Quantitative Goals 11.8 6.6 | | Energy Use Baseline for Comparing Energy Use in Future Years | | 0.7 | |
| Submetering (metering beyond the main utility, revenue or supplier meter) 12.8 11.3 | | Set Goals for Improving Energy Consumption | | | |
| Conduct Audits to Identify Energy Saving Opportunities 12.5 15.0 19.8 | | | | | 6.6 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 12.6 | | | | | 19.8 |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 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) Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Person(s) Responsible for Energy Management (c) Person(s) Responsible for Energy Management (c) Inspecting, Calibration and Person (l) Person (s) Responsible for Energy Management (c) Aware of ISO 50001 Inspection and of Person (s) Responsible for Energy Management (c) Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.1 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 10.8 Energy Energy Consumption in Times of Critical Grid Conditions 11.8 Description of Person Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 10.6 Measure Oxygen and Carbon Dioxide Levels (f) Measure Oxygen and Carbon Dioxide Levels (f) Electricity Consumption or Processes (g) 8.5 22.3 23.4 | | | | | |
| Use Flue Gas to Preheat Other Equipment or Processes (g) 13.6 13.3 16.0 | | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 10.8 | 20.0 | 15.7 |
| Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | | | | | |
| Furance Inspections (h) | | | 13.6 | 13.3 | 16.0 |
| Cleaning of Heat Transfer Equipment (i) 29.0 9.5 19.0 Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) 28.1 8.7 20.2 Keep an Inventory of All Motors 17.9 9.6 23.0 Detect and Control Compressed Air Leaks (l) 13.1 13.8 16.7 Track the Amount of Energy Spent in Compressed Air Systems 11.3 14.8 15.5 Plastics Materials and Resins | | | | | 10.0 |
| Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | | | | | |
| Keep an Inventory of All Motors 17.9 9.6 23.0 Detect and Control Compressed Air Leaks (I) 13.1 13.8 16.7 Track the Amount of Energy Spent in Compressed Air Systems 11.3 14.8 15.5 325211 Plastics Materials and Resins Person(s) Responsible for Energy Management (c) 13.4 13.1 20.7 Aware of ISO 50001 10.6 13.2 - Implementing ISO 50001 15.4 41.8 - Energy Efficiency a part of Purchasing Decision 28.1 5.9 50.1 Energy Efficiency a part of Comparing Energy Use in Future Years 17.3 10.9 23.1 Set Goals for Improving Energy Consumption 17.4 12.1 19.9 Quantitative Goals 24.8 15.7 8.3 Submetering (metering beyond the main utility, revenue or supplier meter) 8.5 16.0 - Conduct Audits to Identify Energy Saving Opportunities 10.0 15.7 21.6 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.1 16.0 24.1 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | | | | | |
| Track the Amount of Energy Spent in Compressed Air Systems | | | 17.9 | 9.6 | |
| Plastics Materials and Resins | | | | | |
| Person(s) Responsible for Energy Management (c) 13.4 13.1 20.7 Aware of ISO 50001 10.6 13.2 - Implementing ISO 50001 15.4 41.8 - Energy Efficiency a part of Purchasing Decision 28.1 5.9 50.1 Energy Use Baseline for Comparing Energy Use in Future Years 17.3 10.9 23.1 Set Goals for Improving Energy Consumption 17.4 12.1 19.9 Quantitative Goals 24.8 15.7 8.3 Submetering (metering beyond the main utility, revenue or supplier meter) 8.5 16.0 - Conduct Audits to Identify Energy Saving Opportunities 10.0 15.7 21.6 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.1 16.0 24.1 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 5.7 31.6 21.6 Measure Oxygen and Carbon Dioxide Levels (f) 11.8 17.2 18.0 Use Flue Gas to Preheat Other Equipment or Processes (g) 8.5 22.3 23.4 | | Track the Amount of Energy Spent in Compressed Air Systems | 11.3 | 14.8 | 15.5 |
| Aware of ISO 50001 10.6 13.2 Implementing ISO 50001 15.4 41.8 Energy Efficiency a part of Purchasing Decision 28.1 5.9 50.1 Energy Use Baseline for Comparing Energy Use in Future Years 17.3 10.9 23.1 Set Goals for Improving Energy Consumption 17.4 12.1 19.9 Quantitative Goals 24.8 15.7 8.3 Submetering (metering beyond the main utility, revenue or supplier meter) 8.5 16.0 Conduct Audits to Identify Energy Saving Opportunities 10.0 15.7 21.6 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.1 16.0 24.1 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 5.7 31.6 21.6 Measure Oxygen and Carbon Dioxide Levels (f) 11.8 17.2 18.0 Use Flue Gas to Preheat Other Equipment or Processes (g) 8.5 22.3 23.4 | 325211 | Plastics Materials and Resins | | | |
| Aware of ISO 50001 10.6 13.2 Implementing ISO 50001 15.4 41.8 Energy Efficiency a part of Purchasing Decision 28.1 5.9 50.1 Energy Use Baseline for Comparing Energy Use in Future Years 17.3 10.9 23.1 Set Goals for Improving Energy Consumption 17.4 12.1 19.9 Quantitative Goals 24.8 15.7 8.3 Submetering (metering beyond the main utility, revenue or supplier meter) 8.5 16.0 Conduct Audits to Identify Energy Saving Opportunities 10.0 15.7 21.6 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.1 16.0 24.1 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 5.7 31.6 21.6 Measure Oxygen and Carbon Dioxide Levels (f) 11.8 17.2 18.0 Use Flue Gas to Preheat Other Equipment or Processes (g) 8.5 22.3 23.4 | | Parson(s) Reconsible for Engray Management (r) | l CT | 12 1 | י חכ |
| Implementing ISO 50001 | | Aware of ISO 50001 | | | 20.7 |
| Energy Efficiency a part of Purchasing Decision 28.1 5.9 50.1 | | | | | |
| Set Goals for Improving Energy Consumption 17.4 12.1 19.9 Quantitative Goals 24.8 15.7 8.3 Submetering (metering beyond the main utility, revenue or supplier meter) 8.5 16.0 - Conduct Audits to Identify Energy Saving Opportunities 10.0 15.7 21.6 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.1 16.0 24.1 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 5.7 31.6 21.6 Measure Oxygen and Carbon Dioxide Levels (f) 11.8 17.2 18.0 Use Flue Gas to Preheat Other Equipment or Processes (g) 8.5 22.3 23.4 | | | | | 50.1 |
| Quantitative Goals 24.8 15.7 8.3 Submetering (metering beyond the main utility, revenue or supplier meter) 8.5 16.0 Conduct Audits to Identify Energy Saving Opportunities 10.0 15.7 21.6 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.1 16.0 24.1 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 5.7 31.6 21.6 Measure Oxygen and Carbon Dioxide Levels (f) 11.8 17.2 18.0 Use Flue Gas to Preheat Other Equipment or Processes (g) 8.5 22.3 23.4 | | | | | |
| Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.1 16.0 24.1 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 5.7 31.6 21.6 Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) 8.5 22.3 23.4 | | | | | |
| Conduct Audits to Identify Energy Saving Opportunities 10.0 15.7 21.6 Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.1 16.0 24.1 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 5.7 31.6 21.6 Measure Oxygen and Carbon Dioxide Levels (f) 11.8 17.2 18.0 Use Flue Gas to Preheat Other Equipment or Processes (g) 8.5 22.3 23.4 | | | | | 8.3 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 8.1 16.0 24.1 Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 5.7 31.6 21.6 Measure Oxygen and Carbon Dioxide Levels (f) 11.8 17.2 18.0 Use Flue Gas to Preheat Other Equipment or Processes (g) 8.5 22.3 23.4 | | | | | 71 6 |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 5.7 31.6 21.6 Measure Oxygen and Carbon Dioxide Levels (f) 11.8 17.2 18.0 Use Flue Gas to Preheat Other Equipment or Processes (g) 8.5 22.3 23.4 | | | | | |
| Measure Oxygen and Carbon Dioxide Levels (f) 11.8 17.2 18.0 Use Flue Gas to Preheat Other Equipment or Processes (g) 8.5 22.3 23.4 | | | | | |
| | | Measure Oxygen and Carbon Dioxide Levels (f) | 11.8 | 27.2 | 18.0 |
| Process Heating Maintenance Program that Includes the Following: | | | 8.5 | 22.3 | 23.4 |
| | | Process Heating Maintenance Program that Includes the Following: | | | |

| | Furance Inspections (h) | 21.5 | 9.0 | 22 |
|-----|---|--------------|--------------|----------|
| | Cleaning of Heat Transfer Equipment (i) | 20.4 | 10.0 | 20 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 29.1 16.6 | 8.2 10.9 | 23 24 |
| | Detect and Control Compressed Air Leaks (I) | 11.4 | 15.9 | 22 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 8.5 | 26.7 | 19 |
| 212 | Synthetic Rubber | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0 |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | 0.0 | |
| | Energy Efficiency a part of Purchasing Decision | 0.0 | 0.0 | C |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 0.0 | 0.0 | (|
| | Set Goals for Improving Energy Consumption Quantitative Goals | 0.0 | 0.0 | (|
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | C |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | (|
| | Measure Oxygen and Carbon Dioxide Levels (f) | 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 | (|
| | Furance Inspections (h) | 0.0 | 0.0 | |
| | Cleaning of Heat Transfer Equipment (i) | 0.0 | 0.0 | |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 0.0 | 0.0 | (|
| | Keep an Inventory of All Motors | 0.0 | 0.0 | |
| | Detect and Control Compressed Air Leaks (I) | 0.0 | 0.0 | |
| | Track the Amount of Energy Spent in Compressed Air Systems | 0.0 | 0.0 | |
| 220 | Artificial and Synthetic Fibers and Filaments | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | |
| | Aware of ISO 50001 Implementing ISO 50001 | 0.0 | 0.0 | |
| | Energy Efficiency a part of Purchasing Decision | 0.0 D | 0.0 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | |
| | Set Goals for Improving Energy Consumption | 0.0 | 0.0 | |
| | Quantitative Goals | 0.0 | 0.0 | |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 0.0 | 0.0 | |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 0.0 | 0.0 | |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 0.0 | 0.0 | |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 0.0 | 0.0 | |
| | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 0.0 | 0.0 | |
| | Keep an Inventory of All Motors | 0.0 | 0.0 | |
| | Detect and Control Compressed Air Leaks (I) | 0.0 | 0.0 | |
| | Track the Amount of Energy Spent in Compressed Air Systems | 0.0 | 0.0 | |
| 311 | Nitrogenous Fertilizers | | | |
| | Person(s) Responsible for Energy Management (c) | 46.1 | 29.9 | 4 |
| | Aware of ISO 50001 | 8.5 47.4 | 46.9 D | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 47.4 D | 13.0 | |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 49.4 | 23.7 | 5 |
| | Set Goals for Improving Energy Consumption | 21.4 | 43.7 | 5 |
| | Quantitative Goals | 43.3 | 43.9 | |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 13.8 | 46.5 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 8.5 | 44.8 | 4 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 10.4 7.3 | 51.6 43.3 | 4 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 7.3 49.8 | 43.3 | 5 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 25.3 | 45.7 | 5 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 58.4 | 15.7 | 6 |
| | Cleaning of Heat Transfer Equipment (i) | 48.1 | 21.0 | 4 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 70.3 33.5 | 15.5 44.9 | 5 |
| | Detect and Control Compressed Air Leaks (I) | 45.2 | 38.0 | 5 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 13.4 | 43.3 | 5 |
| | | | | |

| | Description of the first of the | 0.0 | 0.0 | |
|--------|--|--------------|--------------|--------------|
| | Person(s) Responsible for Energy Management (c) | | | 0.0 |
| | Aware of ISO 50001 | 0.0 0.0 | 0.0 | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 0.0 D | D | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0.0 |
| | Set Goals for Improving Energy Consumption | 0.0 | 0.0 | 0.0 |
| | Quantitative Goals | 0.0 D | 0.0 D | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 0.0 | 0.0 | 0.0 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 0.0 | 0.0 | 0.0 |
| | Process Heating Maintenance Program that Includes the Following: | 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 | D | 0.0 | D.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 |
| | | | | |
| 3254 | Pharmaceuticals and Medicines | | | |
| | Person(s) Responsible for Energy Management (c) | 13.9 | 13.5 | 15.6 |
| | Aware of ISO 50001 | 8 8 | 13.5 | 13.0 |
| | Implementing ISO 50001 | o.o 14.3 | 28.9 | |
| | Energy Efficiency a part of Purchasing Decision | 17.4 | 6.9 | 44.3 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 17.8 | 12.1 | 15.1 |
| | Set Goals for Improving Energy Consumption | 14.2 | 13.6 | 14.1 |
| | Quantitative Goals | 22.7 | 15.3 | 4.4 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 4.1 | 14.9 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 10.4 | 15.9 | 16.8 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8.5 | 20.5 | 16.9 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8.2 | 32.6 | 15.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 11.6 | 13.1 | 16.6 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 7.5 | 14.1 | 16.3 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 20.0 | 9.4 | 19.1 |
| | Cleaning of Heat Transfer Equipment (i) | 21.4 | 9.5 | 18.6 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 27.0 | 9.0 | 18.9 |
| | Keep an Inventory of All Motors | 13.6 | 12.9 | 17.4 |
| | Detect and Control Compressed Air Leaks (I) | 13.0 | 13.0 | 18.3 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 7.7 | 13.7 | 16.1 |
| 325412 | Pharmaceutical Preparation | | | |
| | Person(s) Responsible for Energy Management (c) | 18.8 | 18.6 | 20.3 |
| | Aware of ISO 50001 | 14.8 | 16.8 | 20.3 |
| | Implementing ISO 50001 | 18.2 | 36.8 | |
| | Energy Efficiency a part of Purchasing Decision | 20.8 | 8.9 | 12.3 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 24.0 | 16.2 | 18.8 |
| | Set Goals for Improving Energy Consumption | 21.5 | 18.2 | 17.6 |
| | Quantitative Goals | 29.4 | 23.1 | 7.7 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 2.3 | 15.4 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 14.8 | 24.2 | 19.8 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 12.0 | 31.1 | 21.2 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 11.5 | 13.9 | 18.1 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 14.0 | 14.1 | 20.9 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 10.8 | 12.6 | 20.2 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 24.5 | 13.9 | 22.3 |
| | Cleaning of Heat Transfer Equipment (i) | 28.4 | 13.5 | 22.1 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 35.3 | 12.5 | 22.6 |
| | Keep an Inventory of All Motors | 17.7 | 18.3 | 21.5 |
| | Detect and Control Compressed Air Leaks (I) | 18.6 | 17.1 | 22.1 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 10.5 | 18.2 | 21.6 |
| 325992 | Photographic Film, Paper, Plate, and Chemicals | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 15.3 | 25.5 | 18.8 |
| | Aware of ISO 50001 | 21.4 | 18.6 | |
| | Implementing ISO 50001 | 18.6 | X | |
| | Energy Efficiency a part of Purchasing Decision | D | 2.2 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 28.4 21.5 | 18.6 20.2 | 18.8 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 21.5 18.8 | 20.2 | 18.8 15.5 |
| | Quantitative goals | 10.0 | 21./ | 15.5 |

| | Submetering (metering beyond the main utility, revenue or supplier meter) | 17.6 | 28.0 | |
|--------|--|--------------|--------------|--------------|
| | Conduct Audits to Identify Energy Saving Opportunities | 20.7 | 30.8 | 42.6 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 17.8 | 18.8 | 42.2 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 17.1 | 18.8 | 42.2 |
| | Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 13.0 21.4 | 29.2 18.8 | 20.9 21.7 |
| | Process Heating Maintenance Program that Includes the Following: | 21.4 | 18.8 | 21./ |
| | Furance Inspections (h) | 31.2 | 21.3 | 32.4 |
| | Cleaning of Heat Transfer Equipment (i) | 34.1 | 20.8 | 35.4 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 34.5 | 20.7 | 35.7 |
| | Keep an Inventory of All Motors | 20.6 | 35.2 | 36.2 |
| | Detect and Control Compressed Air Leaks (I) | 21.6 | 31.4 | 30.6 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 18.2 | 18.8 | 32.1 |
| 326 | Plastics and Rubber Products | | | |
| J20 | 1 I I I I I I I I I I I I I I I I I I I | | | |
| | Person(s) Responsible for Energy Management (c) | 6.9 | 14.4 | 19.3 |
| | Aware of ISO 50001 | 6.8 | 11.1 | |
| | Implementing ISO 50001 | 12.8 | 30.6 | |
| | Energy Efficiency a part of Purchasing Decision | 20.9 | 3.5 | 74.4 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 9.8 9.3 | 11.5 11.8 | 15.4 16.1 |
| | Quantitative Goals | 24.3 | 16.8 | 5.4 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 3.9 | 17.7 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 6.3 | 15.4 | 19.4 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 7.3 | 14.6 | 17.7 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4.9 | 32.0 | 17.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 5.7 | 23.4 | 15.7 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 4.6 | 42.8 | 16.2 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 10.2 11.7 | 11.2 10.7 | 15.3 13.9 |
| | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 13.5 | 9.5 | 13.9 |
| | Keep an Inventory of All Motors | 10.3 | 10.1 | 17.6 |
| | Detect and Control Compressed Air Leaks (I) | 11.1 | 9.3 | 17.8 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 5.6 | 24.5 | 15.4 |
| | | | | |
| 327 | Nonmetallic Mineral Products | | | |
| | Person(s) Responsible for Energy Management (c) | 4.7 | 4.6 | 6.8 |
| | Aware of ISO 50001 | 3.7 | 6.1 | |
| | Implementing ISO 50001 | 6.3 | 9.0 | |
| | Energy Efficiency a part of Purchasing Decision | 5.3 | 1.2 | 4.9 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 7.3 5.9 | 4.5 4.5 | 5.8 6.3 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 13.9 | 4.5 5.4 | 2.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 2.1 | 5.5 | 2.0 |
| | Conduct Audits to Identify Energy Saving Opportunities | 4.4 | 7.1 | 4.5 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4.9 | 5.2 | 5.8 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2.8 | 7.3 | 5.5 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 4.1 | 3.5 | 7.1 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 3.9 | 4.3 | 7.0 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 9.3 6.9 | 3.8 | 6.6 7.0 |
| | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 6.9 10.5 | 4.3 3.3 | 7.0 6.6 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 10.5 7.9 | 3.3 | 7.5 |
| | Detect and Control Compressed Air Leaks (I) | 7.9 5.9 | 5.1 | 6.3 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 3.3 | 3.9 | 6.7 |
| | | | | |
| 327120 | Clay Building Material and Refractories | | | |
| | Person(s) Responsible for Energy Management (c) | 11.1 | 14.4 | 20.1 |
| | Aware of ISO 50001 | 9.8 | 13.4 | |
| | Implementing ISO 50001 | 13.1 | 34.9 | |
| | Energy Efficiency a part of Purchasing Decision | 21.6 | 4.8 | 42.6 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 13.3 | 10.9 | 17.8 |
| | Set Goals for Improving Energy Consumption | 12.5 | 14.2 | 16.6 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 53.1 6.2 | 11.7 10.3 | 6.8 |
| | Conduct Audits to Identify Energy Saving Opportunities | 8.4 | 12.3 | 16.3 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 9.6 | 16.3 | 21.1 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8.5 | 40.0 | 15.5 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 9.2 | 11.9 | 17.7 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 9.6 | 11.8 | 17.8 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 27.0 | 9.6 | 20.7 |

| | Cleaning of Heat Transfer Equipment (i) | 20.7 | 10.8 | 19.4 |
|--------|---|------------|--------------|----------|
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 30.0 | 9.4 | 20.6 |
| | Keep an Inventory of All Motors | 16.7 | 11.4 | 19.2 |
| | Detect and Control Compressed Air Leaks (I) | 11.8 | 14.0 | 16.7 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 5.2 | 19.4 | 16.6 |
| 327211 | Flat Glass | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0.0 |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | D.0 | |
| | Energy Efficiency a part of Purchasing Decision | D | 0.0 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0.0 |
| | Set Goals for Improving Energy Consumption | 0.0 | 0.0 | 0.0 |
| | Quantitative Goals | 0.0 | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 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 |
| | Process Heating Maintenance Program that Includes the Following: | 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 | 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 |
| 327212 | Other Pressed and Blown Glass and Glassware | | | |
| | | 17.0 | | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 17.0 | 18.8 33.5 | 46.6 |
| | Implementing ISO 50001 | 29.9 | 18.8 | |
| | Energy Efficiency a part of Purchasing Decision | 30.7 | 2.3 | 18.8 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 33.6 | 24.5 | 38.1 |
| | Set Goals for Improving Energy Consumption | 17.8 | 21.6 | 47.0 |
| | Quantitative Goals | 32.1 | 18.8 | 4.7 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 16.6 | 27.8 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 19.6 | 27.6 | 40.3 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 16.9 | 22.4 | 46.3 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 14.3 | 18.8 | 50.5 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 18.1 | 20.5 | 50.3 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: | 17.5 | 28.6 | 50.8 |
| | Furance Inspections (h) | 42.0 | 17.8 | 48.1 |
| | Cleaning of Heat Transfer Equipment (i) | 44.3 | 19.9 | 43.0 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 37.9 | 18.9 | 43.3 |
| | Keep an Inventory of All Motors | 24.4 | 23.8 | 41.7 |
| | Detect and Control Compressed Air Leaks (I) | 21.2 | 29.4 | 39.3 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 18.0 | 29.4 | 40.8 |
| 327213 | Glass Containers | | | |
| 32/213 | | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0.0 |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | 0.0 | |
| | Energy Efficiency a part of Purchasing Decision | 0.0 | 0.0 | 0.0 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0.0 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | U.U | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | 0.0 |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 0.0 | 0.0 | 0.0 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 0.0 | 0.0 | 0.0 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | D | 0.0 | D |
| | Cleaning of Heat Transfer Equipment (i) | 0.0 | 0.0 | 0.0 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | D 0.0 | 0.0 | D 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 |
| | | | | |
| 327215 | Glass Products from Purchased Glass | | | |
| | | | | |

| Marcon of 105 S0003 | | Person(s) Responsible for Energy Management (c) | 7.8 | 18.3 | 21.0 |
|--|--------|---|------|-----------|------|
| Implementing (p. 90001) Archhesing Decision 18.3 10.5 2.5 | | | | | |
| Energy Use Seichier for Comparing Energy Use in Future Years 127 142 133 134 136 136 136 137 131 1 | | | | 10.5 | |
| Set Gook for Improving Energy Consumption 11.5 11.2 11.5 | | | 20.5 | | |
| Quantitative Cooks 124 124 36 54 54 124 126 54 54 54 54 54 54 54 5 | | | | | |
| Submettering (perceiting beyond the man stelling, revenue or supplier meter) 1,4 1,13 1,15 | | | | | |
| Conduct Audits to Inferrity Saving Exportunities | | | | | 3.6 |
| Procedure to Reduce Electricly Comuniquition in Times of Critical Grid Conditions | | | | | |
| Automation Control to Deduce Description Consumption in Times of Critical Grid Conditions 8.0 15.5 25.9 | | | | | |
| Measure Outgoon and Carbon Disorde Levels (f) | | | | | |
| Use Flux Gas to Preheat Other Equipment or Processes [a] Process beating Maintenance Program that Incident be Following: | | | | | |
| Process teating Maintenance Program that Inciduoting 123 123 227 123 227 123 227 123 227 123 227 123 227 128 | | | | | |
| Furnanc Inspections (1) | | | | | |
| Cleaning of Near Transfer Equipment () | | | 22.1 | 12.3 | 22.7 |
| Reep an Inventory of All Motors 15.5 16.0 19.9 | | | 16.7 | 13.7 | 20.5 |
| Detect and Control Compressed Air Lesks (i) 13.4 15.8 20.2 17.5 16.8 13.7 10.8 13.7 10.8 13.7 10.8 13.7 10.8 13.7 10.8 13.7 10.8 13.7 10.8 13.7 10.8 13.7 10.8 13.7 10.8 13.8 13.7 10.8 13. | | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | | 13.2 | |
| Track the Amount of Energy Spent in Compressed Air Systems | | | | | |
| Person() Responsible for Energy Management (c) | | | | | |
| Person(s) Responsible for Energy Management (c) | | Track the Amount of Energy Spent in Compressed Air Systems | 4.3 | 13.7 | 16.8 |
| Aware of SO 5001 133 20.0 | 327310 | Cements | | | |
| Aware of SO 5001 133 20.0 | | Parson(s) Responsible for Fooray Management (r) | 16.0 | 20 6 | 27.2 |
| Implementing (50 50001 | | | | | 21.2 |
| Energy Efficiency a part of Purchasing Decision D 12 D | | | | | |
| Energy Use Baseline for Comparing Energy Use in Future Years | | | | | D |
| Set Goals for Improving Energy Consumption 19.3 15.8 15.1 | | Energy Use Baseline for Comparing Energy Use in Future Years | 26.7 | 12.4 | |
| Countitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) 8.8 5.5 5.3 | | Set Goals for Improving Energy Consumption | 19.3 | 15.8 | |
| Conduct Audits to Identify Energy Saving Opportunities 10.5 15.1 28.2 | | | 65.7 | 15.1 | 13.6 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions 10.6 16.0 15.1 16.0 Measure Oxygen and Carbon Dioxide Levels (f) 26.2 15.7 46.7 Use Flue Gas to Preheat Other Equipment or Processes (g) 24.0 15.8 38.3 Process Heating Maintenance Program that Includes the Following: Furnace Inspections (h) 31.0 15.7 40.6 Cleaning of Heat Transfer Equipment (j) 31.0 15.7 36.6 Inspecting, California, and Adjusting Process Heating Equipment (j) 31.8 15.7 40.6 Inspecting, California, and Adjusting Process Heating Equipment (j) 31.8 15.7 42.5 Keep an Inventory of All Motors 35.2 15.4 44.6 Detect and Control Compressed Air Leaks (t) 21.9 21.3 42.4 Track the Amount of Energy Spent in Compressed Air Systems 31.5 15.1 34.4 Track the Amount of Energy Spent in Compressed Air Systems 31.5 15.1 34.4 Track the Amount of Energy Management (c) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0. | | | | | |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 16.6 15.0 15.1 | | | | | |
| Measure Oxygen and Carbon Dioxide Levels (f) 240 15.8 38.3 | | | 22.0 | 10.7 | |
| Use Flue Gas to Preheat Other Equipment or Processes (g) 24.0 15.8 38.3 | | | | | |
| Process Heating Maintenance Program that Includes the Following: | | | | | |
| Furance Inspections (h) | | | 24.0 | 15.8 | 38.3 |
| Cleaning of Heat Transfer Equipment (i) 31.8 15.7 36.6 Inspecting, Calibrating, and Adapting Process Heating Equipment (j) 31.8 15.7 42.5 42.5 42.6 | | | 21.0 | 15 7 | 40.6 |
| Inspecting, Calibrating, and Adjusting Process Heating Equipment (i) 31.8 15.7 42.5 Keep an Inventory of All Mators 36.2 15.4 44.6 Detect and Control Compressed Air Leaks (i) 21.9 21.3 42.4 Track the Amount of Energy Spent in Compressed Air Systems 31.5 15.1 34.4 327410 Lime | | | | | |
| Keep an Inventory of All Motors 36.2 1.5.4 44.6 Detect and Control Compressed Air Leaks () 21.9 21.3 42.4 Track the Amount of Energy Spent in Compressed Air Systems 13.5 15.1 34.4 327410 Person(s) Responsible for Energy Management (c) 0.0 0.0 0.0 Aware of 150 50001 0.0 0.0 0.0 | | | | 15.7 | |
| Track the Amount of Energy Spent in Compressed Air Systems 13.5 15.1 34.4 | | | 36.2 | 15.4 | 44.6 |
| Person(s) Responsible for Energy Management (c) | | Detect and Control Compressed Air Leaks (I) | 21.9 | 21.3 | 42.4 |
| Person(s) Responsible for Energy Management (c) | | Track the Amount of Energy Spent in Compressed Air Systems | 13.5 | 15.1 | 34.4 |
| Aware of ISO 50001 | 327410 | Lime | | | |
| Aware of ISO 50001 | | | | | |
| Implementing ISO 50001 | | | | | 0.0 |
| Energy Efficiency a part of Purchasing Decision | | | | | |
| Energy Use Baseline for Comparing Energy Use in Future Years | | | | | |
| Set Goals for Improving Energy Consumption | | | | | |
| Quantitative Goals | | | | | |
| Submetering (metering beyond the main utility, revenue or supplier meter) | | | 0.0 | 0.0 | 0.0 |
| Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions 0.0 0.0 0.0 0.0 | | Conduct Audits to Identify Energy Saving Opportunities | | | |
| 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: | | | | | |
| Use Flue Gas to Preheat Other Equipment or Processes (g) 0.0 0.0 | | | | | |
| Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | | | | | |
| Furance Inspections (h) | | | 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 Detect and Control Compressed Air Leaks (I) 0.0 0.0 0.0 0.0 Track the Amount of Energy Spent in Compressed Air Systems 0.0 0.0 0.0 0.0 327420 Gypsum 25.7 16.2 20.4 Aware of ISO 50001 14.4 21.4 Implementing ISO 50001 21.0 X Energy Efficiency a part of Purchasing Decision 15.0 1.0 15.0 Energy Use Baseline for Comparing Energy Use in Future Years 29.8 18.1 15.0 Set Goals for Improving Energy Consumption 21.4 15.2 19.1 Quantitative Goals 24.9 32.0 16.5 | | | | | |
| Detect and Control Compressed Air Leaks (I) | | | | | |
| Track the Amount of Energy Spent in Compressed Air Systems 0.0 0.0 0.0 | | | | | |
| Person(s) Responsible for Energy Management (c) 25.7 16.2 20.4 | | | | | |
| Person(s) Responsible for Energy Management (c) 25.7 16.2 20.4 Aware of ISO 50001 11.4 21.4 - Implementing ISO 50001 21.0 X - Energy Efficiency a part of Purchasing Decision 15.0 1.0 15.0 Energy Use Baseline for Comparing Energy Use in Future Years 29.8 18.1 15.0 Set Goals for Improving Energy Consumption 21.4 15.2 19.1 Quantitative Goals 24.9 32.0 16.5 | 327420 | Gypsum | | | |
| Aware of ISO 50001 | | | | 163 | 20.4 |
| Implementing ISO 50001 | | | | | 20.4 |
| Energy Efficiency a part of Purchasing Decision 15.0 1.0 15.0 Energy Use Baseline for Comparing Energy Use in Future Years 29.8 18.1 15.0 Set Goals for Improving Energy Consumption 21.4 15.2 19.1 Quantitative Goals 24.9 32.0 16.5 | | | | Z1.4 Y | |
| Energy Use Baseline for Comparing Energy Use in Future Years 29.8 18.1 15.0 Set Goals for Improving Energy Consumption 21.4 15.2 19.1 Quantitative Goals 24.9 32.0 16.5 | | | | 1 0 | 15.0 |
| Set Goals for Improving Energy Consumption 21.4 15.2 19.1 Quantitative Goals 24.9 32.0 16.5 | | | | | |
| Quantitative Goals 24.9 32.0 16.5 | | | | | |
| | | | | 32.0 | |
| | | Submetering (metering beyond the main utility, revenue or supplier meter) | 7.0 | 15.1 | |

| | Conduct Audits to Identify Energy Saving Opportunities | 28.2 | 20.0 | 16.6 |
|--------|---|-------------|--------------|--------------|
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 21.6 | 22.8 | 15.8 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 3.5 | D | D |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 6.0 | 15.2 | 19.1 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 14.6 | 15.2 | 35.6 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 20.7 | 18.2 | 35.4 |
| | Cleaning of Heat Transfer Equipment (i) | 15.3 | 26.5 | 28.2 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 42.6 | 5.9 | 32.8 |
| | Keep an Inventory of All Motors | 34.9 | 12.5 | 21.4 |
| | Detect and Control Compressed Air Leaks (I) | 17.2 | 18.7 | 35.2 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 3.6 | 15.0 | 18.7 |
| | | | | |
| 327993 | Mineral Wool | | | |
| | Person(s) Responsible for Energy Management (c) | 20.1 | 24.9 | 35.2 |
| | Aware of ISO 50001 | 24.0 | 18.4 | |
| | Implementing ISO 50001 | 19.5 | 44.4 | |
| | Energy Efficiency a part of Purchasing Decision | 28.7 | 6.6 | 17.6 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 29.0 | 22.3 | 26.5 |
| | Set Goals for Improving Energy Consumption | 42.2 | 23.9 | 29.3 |
| | Quantitative Goals | 17.6 | 19.7 | 5.2 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 6.6 19.9 | 18.0 30.8 | |
| | Conduct Audits to Identify Energy Saving Opportunities Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 19.9 | 30.8 | 31.5 26.1 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 11.5 | 24.3 | 26.1 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 14.5 | 21.9 | 28.4 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 12.7 | 18.6 | 28.7 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 39.8 | 17.1 | 26.2 |
| | Cleaning of Heat Transfer Equipment (i) | 34.1 | 19.0 | 25.4 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 25.6 | 16.2 | 25.4 |
| | Keep an Inventory of All Motors | 42.7 | 20.0 | 24.4 |
| | Detect and Control Compressed Air Leaks (I) | 35.0 | 24.1 | 24.5 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 23.8 | 23.0 | 27.6 |
| 331 | Primary Metals | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 3.1 | 3.9 | 7.8 |
| | Aware of ISO 50001 Implementing ISO 50001 | 2.8 4.2 | 3.6 6.5 | |
| | Energy Efficiency a part of Purchasing Decision | 4.2 7.3 | 2.1 | 23.4 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 7.5 4.9 | 3.5 | 6.4 |
| | Set Goals for Improving Energy Consumption | 4.0 | 4.1 | 7.1 |
| | Quantitative Goals | 9.5 | 5.2 | 2.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 2.0 | 3.7 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 2.5 | 4.5 | 6.8 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 3.7 | 3.5 | 8.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2.3 | 4.6 | 5.4 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 4.0 3.1 | 5.5 3.8 | 5.1 5.8 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: | 3.1 | 3.8 | 5.8 |
| | Furance Inspections (h) | 7.8 | 2.5 | 7.3 |
| | Cleaning of Heat Transfer Equipment (i) | 5.9 | 2.8 | 6.6 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 8.4 | 2.3 | 7.0 |
| | Keep an Inventory of All Motors | 5.0 | 3.4 | 6.5 |
| | Detect and Control Compressed Air Leaks (I) | 3.8 | 4.3 | 6.3 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 2.4 | 4.6 | 5.2 |
| 331110 | Iron and Steel Mills and Ferroalloys | | | |
| 331110 | | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0.0 |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 0.0 0.0 | 0.0 0.0 | 0.0 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0.0 |
| | Set Goals for Improving Energy Consumption | 0.0 | 0.0 | 0.0 |
| | Quantitative Goals | 0.0 | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 0.0 | 0.0 | 0.0 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) 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 | 0.0 |
|--------|---|--------------|--------------|------|
| | Keep an Inventory of All Motors 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 |
| 3312 | | | | |
| 3312 | Steel Products from Purchased Steel | | | |
| | Person(s) Responsible for Energy Management (c) | 10.0 10.5 | 16.4 14.8 | 24.4 |
| | Aware of ISO 50001 Implementing ISO 50001 | 15.9 | 34.4 | |
| | Energy Efficiency a part of Purchasing Decision | 19.8 | 7.5 | 50.2 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 17.2 | 14.0 | 22.0 |
| | Set Goals for Improving Energy Consumption | 11.3 | 16.6 | 21.0 |
| | Quantitative Goals | 10.0 | 19.9 | 3.4 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 7.3 9.1 | 23.6 29.5 | 18.1 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 11.4 | 14.3 | 21.2 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 9.0 | 21.0 | 21.8 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 12.5 | 15.8 | 20.7 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 11.0 | 14.6 | 18.6 |
| | Process Heating Maintenance Program that Includes the Following: | 22.2 | 13.0 | 21.9 |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 22.2 | 13.0 | 21.9 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 27.1 | 12.7 | 20.9 |
| | Keep an Inventory of All Motors | 23.5 | 12.7 | 23.7 |
| | Detect and Control Compressed Air Leaks (I) | 14.7 | 15.0 | 20.3 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 9.6 | 23.8 | 21.3 |
| 3313 | Alumina and Aluminum | | | |
| | | 4.0 | | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 4.0 | 5.6 5.1 | 7.1 |
| | Implementing ISO 50001 | 5.5 | 8.9 | |
| | Energy Efficiency a part of Purchasing Decision | 6.4 | 1.3 | 6.8 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 7.3 | 4.0 | 4.0 |
| | Set Goals for Improving Energy Consumption | 5.0 | 5.0 | 6.7 |
| | Quantitative Goals | 6.2 | 3.2 | 1.9 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 2.1 3.8 | 3.7 5.4 | 9.7 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 3.o 4 3 | 3.8 | 5.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 2.5 | 2.6 | 3.2 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 5.8 | 4.2 | 5.3 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 4.6 | 4.9 | 3.8 |
| | Process Heating Maintenance Program that Includes the Following: | 16.5 | 2.6 | 7.3 |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 8.8 | 3.4 | 6.8 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 22.1 | 2.6 | 7.3 |
| | Keep an Inventory of All Motors | 7.2 | 3.5 | 4.1 |
| | Detect and Control Compressed Air Leaks (I) | 4.1 | 4.1 | 4.4 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 2.5 | 4.5 | 3.5 |
| 331314 | Secondary Smelting and Alloying of Aluminum | | | |
| | Person(s) Responsible for Energy Management (c) | 14.9 | 21.4 | 16.1 |
| | Aware of ISO 50001 | 13.8 | 15.1 | |
| | Implementing ISO 50001 | 18.1 | 13.1 | |
| | Energy Efficiency a part of Purchasing Decision | D | 5.3 | С |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 16.6 | 12.3 | 13.9 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 15.5 15.2 | 17.0 14.8 | 16.5 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 7.1 | 15.1 | 5.0 |
| | Conduct Audits to Identify Energy Saving Opportunities | 14.2 | 18.1 | 23.1 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 12.6 | 16.2 | 15.3 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 6.6 | 15.5 | 14.8 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 14.9 | 16.5 | 16.4 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 11.9 | 25.0 | 15.3 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 24.3 | 6.8 | 18.3 |
| | Cleaning of Heat Transfer Equipment (i) | 19.6 | 11.8 | 15.1 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 28.8 | 8.1 | 15.9 |
| | Keep an Inventory of All Motors | 13.1 | 9.0 | 18.4 |
| | Detect and Control Compressed Air Leaks (I) | 12.4 | 15.2 | 14.6 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 7.7 | 21.2 | 14.5 |
| 331315 | Aluminum Sheet, Plate and Foils | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0.0 |
| | | | | |

| | Aware of ISO 50001 | 0.0 | 0.0 | |
|--------|--|---|--|--|
| | Implementing ISO 50001 | 0.0 | 0.0 X | |
| | Energy Efficiency a part of Purchasing Decision | 0.0 | 0.0 | X |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0.0 |
| | Set Goals for Improving Energy Consumption | 0.0 | 0.0 | 0.0 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 0.0 | 0.0 |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 0.0 | 0.0 | 0.0 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 0.0 | 0.0 | 0.0 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | D | 0.0 | D |
| | Cleaning of Heat Transfer Equipment (i) | 0.0 | 0.0 | 0.0 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | D | 0.0 | D |
| | Keep an Inventory of All Motors | 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 |
| 331318 | Other Aluminum Rolling, Drawing and Extruding | | | |
| | Derroads Decreasible for Energy Management (s) | 8.5 | 9.6 | 13.4 |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 8.5 9.3 | 11.0 | 13.4 |
| | Implementing ISO 50001 | 11.2 | 8.9 | |
| | Energy Efficiency a part of Purchasing Decision | D | 0.9 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 15.0 | 11.2 | 13.5 |
| | Set Goals for Improving Energy Consumption | 12.2 | 10.1 | 19.9 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 9.8 3.0 | 10.5 11.1 | 4.9 |
| | Conduct Audits to Identify Energy Saving Opportunities | 7.9 | 16.5 | 14.1 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8.3 | 9.6 | 15.7 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 3.4 | 11.9 | 13.6 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 10.1 | 10.4 | 11.8 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 7.8 | 10.1 | 12.8 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 25.6 | 9.6 | 14.6 |
| | Cleaning of Heat Transfer Equipment (i) | 15.2 | 11.7 | 14.1 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 34.9 | 8.8 | 14.5 |
| | Keep an Inventory of All Motors | 14.9 | 10.4 | 11.7 |
| | Detect and Control Compressed Air Leaks (I) | 7.8 | 11.7 | 10.2 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 3.6 | 14.4 | 13.8 |
| 3314 | Nonferrous Metals, except Aluminum | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 8.8 10.2 | 14.6 10.2 | 19.1 |
| | Implementing ISO 50001 | 13.9 | 14.3 | |
| | Energy Efficiency a part of Purchasing Decision | 13.9 | 5.3 | 52.4 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 14.7 | 12.5 | 17.8 |
| | Set Goals for Improving Energy Consumption | 13.2 | 14.2 | 16.8 |
| | Quantitative Goals | 37.2 5.5 | 21.3 13.0 | 10.4 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 5.5 7.0 | 16.2 | 19.8 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 11.0 | 13.2 | 25.9 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 5.9 | 20.6 | 18.9 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 10.5 | 21.0 | 17.9 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 11.2 | 11.8 | 21.6 |
| | | 11.2 | | |
| | Process Heating Maintenance Program that Includes the Following: | | 7.7 | 40.4 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 16.3 | 7.7 | 19.1 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 16.3 15.0 | 8.2 | 20.7 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 16.3 | | 20.7 20.4 21.2 |
| | 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 Detect and Control Compressed Air Leaks (l) | 16.3 15.0 17.8 14.6 12.5 | 8.2 6.8 9.7 13.4 | 20.7 20.4 21.2 21.8 |
| | 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 | 16.3 15.0 17.8 14.6 | 8.2 6.8 9.7 | 20.7 20.4 21.2 |
| 331410 | 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 Detect and Control Compressed Air Leaks (l) | 16.3 15.0 17.8 14.6 12.5 | 8.2 6.8 9.7 13.4 | 20.7 20.4 21.2 21.8 |
| 331410 | 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 Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Nonferrous Metal (except Aluminum) Smelting and Refining Person(s) Responsible for Energy Management (c) | 16.3 15.0 17.8 14.6 12.5 6.9 | 8.2 6.8 9.7 13.4 14.9 | 20.7 20.4 21.2 21.8 |
| 331410 | 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Nonferrous Metal (except Aluminum) Smelting and Refining Person(s) Responsible for Energy Management (c) Aware of ISO \$0001 | 16.3 15.0 17.8 14.6 12.5 6.9 | 8.2 6.8 9.7 13.4 14.9 | 20.7 20.4 21.2 21.8 18.2 |
| 331410 | 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Nonferrous Metal (except Aluminum) Smelting and Refining Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 | 16.3 15.0 17.8 14.6 12.5 6.9 | 8.2 6.8 9.7 13.4 14.9 24.3 12.4 18.0 | 20.7 20.4 21.2 21.8 18.2 |
| 331410 | 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 Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Nonferrous Metal (except Aluminum) Smelting and Refining Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 16.3 15.0 17.8 14.6 12.5 6.9 | 8.2 6.8 9.7 13.4 14.9 24.3 12.4 18.0 5.6 | 20.7 20.4 21.2 21.8 18.2 18.0 |
| 331410 | 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Nonferrous Metal (except Aluminum) Smelting and Refining Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Use Baseline for Comparing Energy Use in Future Years | 16.3 15.0 17.8 14.6 12.5 6.9 12.6 18.4 19.8 18.0 21.1 | 8.2 6.8 9.7 13.4 14.9 24.3 12.4 18.0 5.6 | 20.7 20.4 21.2 21.8 18.2 18.0 |
| 331410 | 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 Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Nonferrous Metal (except Aluminum) Smelting and Refining Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 16.3 15.0 17.8 14.6 12.5 6.9 | 8.2 6.8 9.7 13.4 14.9 24.3 12.4 18.0 5.6 | 20.7 20.4 21.2 21.8 18.2 18.0 |
| 331410 | 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 Detect and Control Compressed Air Leaks (i) Track the Amount of Energy Spent in Compressed Air Systems Nonferrous Metal (except Aluminum) Smelting and Refining Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Compution | 16.3 15.0 17.8 14.6 12.5 6.9 12.6 18.4 19.8 18.0 21.1 | 8.2 6.8 9.7 13.4 14.9 24.3 12.4 18.0 5.6 19.8 21.7 | 20.7 20.4 21.2 21.8 18.2 18.0 18.0 27.8 18.0 19.6 |
| 331410 | 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 Detect and Control Compressed Air Leaks (l) Track the Amount of Energy Spent in Compressed Air Systems Nonferrous Metal (except Aluminum) Smelting and Refining Person(s) Responsible for Energy Management (c) Aware of ISO 50001 Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption Quantitative Goals | 16.3 15.0 17.8 14.6 12.5 6.9 12.6 18.4 19.8 18.0 21.1 21.3 46.5 | 8.2 6.8 9.7 13.4 14.9 24.3 12.4 18.0 5.6 19.8 21.7 29.7 | 20.7 20.4 21.2 21.8 18.2 18.0 |

| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 21.2 | 18.5 | 35.7 |
|--------|--|--------------|--------------|--------------|
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 6.9 | 18.0 | 18.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 20.3 | 28.8 | 20.6 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 20.2 | 18.0 | 33.6 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 18.0 | 11.6 | 24.0 |
| | Cleaning of Heat Transfer Equipment (i) | 18.0 | 11.2 | 23.6 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 18.0 | 8.6 | 24.0 |
| | Keep an Inventory of All Motors | 22.4 | 13.3 | 18.0 |
| | Detect and Control Compressed Air Leaks (I) | 21.6 | 19.5 | 18.0 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 10.4 | 19.0 | 18.0 |
| 3315 | Foundries | | | |
| | | 6.2 | 7.9 | 17.9 |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 5.0 | 7.9 | 17.9 |
| | Implementing ISO 50001 | 8.4 | 12.4 | |
| | Energy Efficiency a part of Purchasing Decision | 16.9 | 5.5 | 44.6 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 8.2 | 8.6 | 13.5 |
| | Set Goals for Improving Energy Consumption | 7.9 | 7.9 | 15.3 |
| | Quantitative Goals | 17.7 | 8.4 | 2.8 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 4.1 | 9.7 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 4.6 | 8.7 | 15.9 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 7.8 4.8 | 7.7 | 15.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Oxygen and Carbon Dioxide Levels (f) | 4.8 7.1 | 11.7 14.8 | 13.8 11.5 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 4.9 | 11.6 | 11.5 |
| | Process Heating Maintenance Program that Includes the Following: | 7.7 | 11.0 | 11.3 |
| | Furance Inspections (h) | 15.6 | 5.8 | 15.1 |
| | Cleaning of Heat Transfer Equipment (i) | 12.0 | 6.2 | 13.5 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 14.3 | 4.8 | 14.3 |
| | Keep an Inventory of All Motors | 8.4 | 8.2 | 16.5 |
| | Detect and Control Compressed Air Leaks (I) | 8.3 | 8.2 | 14.3 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 4.8 | 10.4 | 12.9 |
| 331511 | Iron Foundries | | | |
| | Person(s) Responsible for Energy Management (c) | 14.4 | 22.0 | 39.7 |
| | Aware of ISO 50001 | 7.9 | 21.5 | |
| | Implementing ISO 50001 | 22.2 | 40.2 | |
| | Energy Efficiency a part of Purchasing Decision | 46.2 | 15.6 | 60.1 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 22.4 | 21.8 | 36.7 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 21.6 44.4 | 22.9 25.1 | 40.6 8.3 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 7.6 | 22.8 | 0.3 |
| | Conduct Audits to Identify Energy Saving Opportunities | 7.1 | 22.6 | 29.7 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 20.3 | 20.5 | 41.4 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8.4 | 19.6 | 41.2 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 18.6 | 49.8 | 30.0 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 8.5 | 23.6 | 33.6 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 33.6 | 16.1 | 35.1 |
| | Cleaning of Heat Transfer Equipment (i) | 32.6 | 14.1 | 33.9 36.3 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 28.9 27.1 | 8.8 19.8 | 45.8 |
| | Detect and Control Compressed Air Leaks (I) | 20.3 | 21.7 | 47.9 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 9.0 | 23.2 | 36.6 |
| 331523 | Nonferrous Metal Die-Casting Foundaries | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 12.1 8.9 | 11.4 11.7 | 22.8 |
| | Implementing ISO 50001 | 8.9 14.1 | 20.0 | |
| | Energy Efficiency a part of Purchasing Decision | 22.7 | 6.0 | 39.6 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 14.4 | 10.7 | 17.6 |
| | Set Goals for Improving Energy Consumption | 15.3 | 10.0 | 20.3 |
| | Quantitative Goals | 26.9 | 11.6 | 6.9 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 6.4 | 17.6 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 10.0 | 12.6 | 19.2 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 11.4 | 12.0 | 20.4 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions Measure Outgon and Carbon Dispide Levels (f) | 8.4 | 26.2 | 18.3 |
| | Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 12.7 9.9 | 14.9 19.6 | 13.9 15.8 |
| | Process Heating Maintenance Program that Includes the Following: | 9.9 | 19.6 | 15.8 |
| | Furance Inspections (h) | 33.0 | 8.0 | 19.1 |
| | Cleaning of Heat Transfer Equipment (i) | 23.4 | 9.1 | 17.1 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 28.0 | 7.7 | 18.4 |
| | | | | |

| | Keep an Inventory of All Motors | 13.7 | 11.6 | 17.4 |
|--------|---|--------------|--------------|--------------|
| | Detect and Control Compressed Air Leaks (I) | 13.1 | 11.4 | 15.5 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 8.9 | 13.8 | 15.6 |
| 331524 | Aluminum Foundries, except Die-Casting | | | |
| | Person(s) Responsible for Energy Management (c) | 14.6 | 17.3 | 40.6 |
| | Aware of ISO 50001 | 14.0 | 18.5 | - |
| | Implementing ISO 50001 Energy Efficiency a part of Purchasing Decision | 20.3 16.0 | 12.2 12.7 | 70.6 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 14.8 | 15.7 | 35.0 |
| | Set Goals for Improving Energy Consumption | 14.5 | 16.8 | 36.9 |
| | Quantitative Goals | 18.4 | 19.8 | 3.3 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 12.6 | 15.2 | - |
| | Conduct Audits to Identify Energy Saving Opportunities | 13.6 | 23.1 | 38.6 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 15.1 13.7 | 16.3 15.4 | 32.7 30.4 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 14.3 | 18.2 | 28.5 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 13.5 | 12.2 | 26.4 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 32.4 | 13.6 | 39.3 |
| | Cleaning of Heat Transfer Equipment (i) | 23.7 | 13.9 | 41.8 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 27.7 | 13.7 | 43.1 |
| | Keep an Inventory of All Motors Detect and Control Compressed Air Leaks (I) | 14.9 16.4 | 17.8 16.1 | 43.1 36.6 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 13.2 | 12.2 | 30. |
| | | | | |
| 332 | Fabricated Metal Products | | | |
| | Person(s) Responsible for Energy Management (c) | 3.7 | 16.9 | 14.0 |
| | Aware of ISO 50001 | 3.7 | 12.1 | - |
| | Implementing ISO 50001 | 12.2 | 34.2 | - |
| | Energy Efficiency a part of Purchasing Decision Energy Use Baseline for Comparing Energy Use in Future Years | 11.4 5.6 | 4.0 13.5 | 22.0 9.6 |
| | Set Goals for Improving Energy Consumption | 5.9 | 12.5 | 9.6 |
| | Quantitative Goals | 23.1 | 20.1 | 2.5 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 2.2 | 29.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 3.7 | 19.1 | 12.6 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4.4 | 17.3 | 11.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 3.9 | 28.1 | 10.8 |
| | Measure Oxygen and Carbon Dioxide Levels (f) Use Flue Gas to Preheat Other Equipment or Processes (g) | 4.2 | 26.7 48.4 | 10.0 10.7 |
| | Process Heating Maintenance Program that Includes the Following: | 3.6 | 48.4 | 10.7 |
| | Furance Inspections (h) | 7.6 | 8.4 | 10.3 |
| | Cleaning of Heat Transfer Equipment (i) | 7.4 | 9.4 | 9.5 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 7.6 | 9.5 | 9.1 |
| | Keep an Inventory of All Motors | 5.9 | 11.5 | 10.3 |
| | Detect and Control Compressed Air Leaks (I) | 6.8 | 9.9 | 10.0 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 3.7 | 32.8 | 10.7 |
| 333 | Machinery | | | |
| | Person(s) Responsible for Energy Management (c) | 4.6 | 14.9 | 13.9 |
| | Aware of ISO 50001 | 3.9 | 11.2 | |
| | Implementing ISO 50001 | 12.0 | 29.8 | - |
| | Energy Efficiency a part of Purchasing Decision | 12.1 | 3.8 | 43.3 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 7.3 6.0 | 12.2 12.8 | 9.2 11.3 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 27.0 | 12.8 | 2.7 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 1.9 | 23.3 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 4.5 | 15.9 | 14.2 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 5.1 | 17.2 | 11.5 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4.1 | 33.7 | 11.7 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 4.7 | 20.5 | 11.1 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 4.0 | 41.5 | 11.3 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 10.1 | 7.9 | 10.3 |
| | Cleaning of Heat Transfer Equipment (i) | 10.1 | 8.0 | 9.8 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 9.7 | 8.7 | 9.6 |
| | Keep an Inventory of All Motors | 7.0 | 10.3 | 11.6 |
| | Detect and Control Compressed Air Leaks (I) | 7.1 | 10.7 | 10.9 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 3.9 | 30.7 | 12.3 |
| 334 | Computer and Electronic Products | | | |
| | Person(s) Responsible for Energy Management (c) | 9.4 | 14.5 | 29.1 |
| | Aware of ISO 50001 | 8.9 | 11.0 | |
| | | | | |

| | Implementing ISO 50001 | 12.9 | 56.0 | |
|--------|--|--------------|--------------|--------------|
| | Energy Efficiency a part of Purchasing Decision | 28.4 | 4.7 | 66.7 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 13.3 | 12.2 | 23.9 |
| | Set Goals for Improving Energy Consumption | 10.2 | 14.7 | 26.2 |
| | Quantitative Goals | 36.9 4.3 | 16.9 | 6.2 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 4.3 9.4 | 16.2 17.1 | 26.4 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8.9 | 22.1 | 18.8 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8.5 | 31.4 | 19.4 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 8.2 | 20.4 | 23.8 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 7.0 | 35.7 | 22.3 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 14.6 | 12.0 | 23.6 |
| | Cleaning of Heat Transfer Equipment (i) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 13.6 16.4 | 12.7 11.8 | 20.0 19.9 |
| | Keep an Inventory of All Motors | 10.4 | 13.4 | 26.0 |
| | Detect and Control Compressed Air Leaks (I) | 10.8 | 14.2 | 25.4 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 7.5 | 27.5 | 26.0 |
| | | | | |
| 334413 | Semiconductors and Related Devices | | | |
| | Person(s) Responsible for Energy Management (c) | 18.6 | 23.2 | 43.5 |
| | Aware of ISO 50001 | 21.7 | 14.7 | |
| | Implementing ISO 50001 | 17.6 | 81.4 | |
| | Energy Efficiency a part of Purchasing Decision | 91.6 | 7.9 | 89.8 40.5 |
| | Energy Use Baseline for Comparing Energy Use in Future Years Set Goals for Improving Energy Consumption | 32.4 20.0 | 17.8 22.8 | 40.5 44.9 |
| | Quantitative Goals | 48.4 | 26.5 | 11.5 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 7.8 | 20.2 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 20.8 | 22.5 | 47.2 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 20.0 | 31.5 | 27.5 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 18.2 | 43.1 | 29.4 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 19.3 | 24.6 | 36.3 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 15.5 | 41.4 | 30.8 |
| | Process Heating Maintenance Program that Includes the Following: | 30.7 | 20.3 | 36.3 |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 29.4 | 20.3 | 28.3 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 33.9 | 20.6 | 30.5 |
| | Keep an Inventory of All Motors | 28.4 | 18.1 | 38.0 |
| | Detect and Control Compressed Air Leaks (I) | 24.7 | 22.0 | 36.1 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 17.9 | 34.6 | 34.3 |
| 335 | Electrical Equip., Appliances, Components | | | |
| | Person(s) Responsible for Energy Management (c) | 8.6 | 25.3 | 39.5 |
| | Aware of ISO 50001 | 9.9 | 22.0 | |
| | Implementing ISO 50001 | 24.6 | 40.7 | |
| | Energy Efficiency a part of Purchasing Decision | 22.1 | 11.0 | 95.8 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 14.0 | 21.9 | 25.3 |
| | Set Goals for Improving Energy Consumption | 11.8 | 23.6 | 36.8 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 81.6 3.6 | 28.4 26.7 | 5.4 |
| | Conduct Audits to Identify Energy Saving Opportunities | 9.5 | 27.1 | 37.5 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 13.2 | 24.5 | 29.9 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 8.6 | 37.5 | 40.5 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 10.4 | 30.0 | 28.8 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 7.0 | D | D |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 18.1 | 17.0 | 32.3 |
| | Cleaning of Heat Transfer Equipment (i) | 18.0 20.4 | 15.7 14.8 | 38.8 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 20.4 | 21.1 | 35.6 36.3 |
| | Detect and Control Compressed Air Leaks (I) | 14.0 | 21.8 | 31.1 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 9.2 | 35.3 | 30.5 |
| 336 | Transportation Equipment | | | |
| | Person(s) Responsible for Energy Management (c) | 5.9 | 3.8 | 13.3 |
| | Aware of ISO 50001 | 4.2 | 5.5 | |
| | Implementing ISO 50001 | 6.6 | 10.1 | |
| | Energy Efficiency a part of Purchasing Decision | 11.4 | 2.8 | 13.0 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 6.4 | 4.0 | 10.7 |
| | Set Goals for Improving Energy Consumption | 6.3 | 4.5 | 10.9 |
| | Quantitative Goals Submetering (metering beyond the main utility, revenue or supplier meter) | 12.3 | 4.2 2.9 | 2.4 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) Conduct Audits to Identify Energy Saving Opportunities | 1.0 5.1 | 4.3 | 12.1 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 5.2 | 9.0 | 9.5 |
| | the state of the s | J.L | 3.0 | ٠.٠ |

| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 4.2 | 17.3 | 9.6 |
|--------|---|--------------|--------------|--------------|
| | Measure Oxygen and Carbon Dioxide Levels (f) | 5.2 | 5.0 | 8.6 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 4.4 | 8.6 | 8.7 |
| | Process Heating Maintenance Program that Includes the Following: Furance Inspections (h) | 8.8 | 5.9 | 7.8 |
| | Cleaning of Heat Transfer Equipment (i) | 8.5 | 6.0 | 8.0 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 9.5 | 5.5 | 8.4 |
| | Keep an Inventory of All Motors | 6.1 | 5.6 | 7.7 |
| | Detect and Control Compressed Air Leaks (I) | 5.9 | 5.2 | 9.7 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 5.1 | 4.5 | 10.6 |
| 336111 | Automobiles | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0.0 |
| | Aware of ISO 50001 | 0.0 | 0.0 | |
| | Implementing ISO 50001 | 0.0 | 0.0 | |
| | Energy Efficiency a part of Purchasing Decision | D | 0.0 | D |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0.0 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 0.0 | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | 0.0 |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 0.0 | 0.0 | 0.0 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 0.0 | 0.0 | 0.0 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 0.0 | 0.0 | 0.0 |
| | Cleaning of Heat Transfer Equipment (I) | 0.0 0.0 | 0.0 | 0.0 0.0 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) Keep an Inventory of All Motors | 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 |
| 336112 | Light Trucks and Utility Vehicles | | | |
| | | | | |
| | Person(s) Responsible for Energy Management (c) | 0.0 | 0.0 | 0.0 |
| | Aware of ISO 50001 Implementing ISO 50001 | 0.0 0.0 | 0.0 | |
| | Energy Efficiency a part of Purchasing Decision | 0.0 | 0.0 | 0.0 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 0.0 | 0.0 | 0.0 |
| | Set Goals for Improving Energy Consumption | 0.0 | 0.0 | 0.0 |
| | Quantitative Goals | X | 0.0 | 0.0 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 0.0 | 0.0 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 0.0 | 0.0 | 0.0 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 0.0 | 0.0 | 0.0 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 |
| | 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 | 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 |
| 3364 | Aerospace Product and Parts | | | |
| | Person(s) Responsible for Energy Management (c) | 10.5 | 12.6 | 32.7 |
| | Aware of ISO 50001 | 8.1 | 15.4 | |
| | Implementing ISO 50001 | 17.0 | 49.0 | |
| | Energy Efficiency a part of Purchasing Decision | 28.3 | 5.9 | 24.8 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 10.7 11.9 | 12.1 13.1 | 24.7 23.8 |
| | Set Goals for Improving Energy Consumption Quantitative Goals | 21.1 | 13.1 | 4.4 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 1.4 | 15.4 | 4.4 |
| | Conduct Audits to Identify Energy Saving Opportunities | 10.2 | 13.8 | 24.8 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 10.4 | 25.5 | 25.0 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 9.3 | 43.3 | 24.4 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 10.1 | 17.9 | 20.2 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 8.4 | 42.1 | 27.7 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) Cleaning of Heat Transfer Equipment (i) | 15.8 15.9 | 12.2 12.3 | 28.1 28.5 |
| | Cleaning of Heat Transfer Equipment (I) Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 15.9 | 12.3 | 28.5 27.5 |
| | Keep an Inventory of All Motors | 11.4 | 15.3 | 19.7 |
| | | | | |

| | Detect and Control Compressed Air Leaks (I) Track the Amount of Energy Spent in Compressed Air Systems | 12.7 9.8 | 12.6 24.8 | 21.1 23.1 |
|--------|---|--------------|--------------|--------------|
| 336411 | Aircraft | | | |
| | Person(s) Responsible for Energy Management (c) | 18.3 | 25.2 | 45.0 |
| | Aware of ISO 50001 | 12.9 | 29.3 | |
| | Implementing ISO 50001 | 30.6 | 35.4 | |
| | Energy Efficiency a part of Purchasing Decision | 54.6 | 10.0 | 31.5 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 15.5 | 21.0 | 47.6 |
| | Set Goals for Improving Energy Consumption | 22.4 | 22.5 | 34.8 |
| | Quantitative Goals | 31.1 | 22.3 | 6.8 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 1.0 | 19.1 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 18.8 | 24.8 | 34.8 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 18.2 17.9 | 61.1 79.7 | 38.7 38.4 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 19.1 | 24.2 | 29.2 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 14.7 | 19.1 | 45.2 |
| | Process Heating Maintenance Program that Includes the Following: | 14.7 | 19.1 | 43.4 |
| | Furance Inspections (h) | 28.8 | 21.7 | 42.6 |
| | Cleaning of Heat Transfer Equipment (i) | 27.3 | 22.4 | 44.2 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 30.8 | 21.2 | 42.2 |
| | Keep an Inventory of All Motors | 19.2 | 21.1 | 26.5 |
| | Detect and Control Compressed Air Leaks (I) | 21.2 | 24.7 | 28.1 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 18.3 | 28.4 | 32.5 |
| 337 | Furniture and Related Products | | | |
| | Decorate Decoration for Engre Magazament (s) | 5.1 | 28.0 | 18.9 |
| | Person(s) Responsible for Energy Management (c) Aware of ISO 50001 | 3.9 | 24.8 | 18.9 |
| | Implementing ISO 50001 | 25.5 | 75.1 | |
| | Energy Efficiency a part of Purchasing Decision | 13.0 | 6.6 | 48.6 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 7.6 | 24.0 | 12.6 |
| | Set Goals for Improving Energy Consumption | 7.5 | 26.1 | 12.7 |
| | Quantitative Goals | 61.6 | 32.9 | 2.5 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 2.6 | 38.3 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 5.2 | 30.9 | 17.7 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 6.4 | 26.0 | 15.5 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 6.1 | 35.2 | 14.5 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 6.2 | 36.6 | 13.6 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) | 5.1 | 57.5 | 15.9 |
| | Process Heating Maintenance Program that Includes the Following: | | | |
| | Furance Inspections (h) | 10.8 | 13.9 | 13.2 |
| | Cleaning of Heat Transfer Equipment (i) | 11.2 | 14.4 | 12.2 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (j) | 10.7 | 15.6 | 11.9 |
| | Keep an Inventory of All Motors | 8.2 | 17.6 | 14.2 |
| | Detect and Control Compressed Air Leaks (I) | 8.6 | 16.0 | 14.8 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 4.5 | 53.9 | 18.0 |
| 339 | Miscellaneous | | | |
| | Person(s) Responsible for Energy Management (c) | 5.2 | 17.7 | 18.3 |
| | Aware of ISO 50001 | 5.5 | 13.3 | |
| | Implementing ISO 50001 | 14.0 | 43.2 | |
| | Energy Efficiency a part of Purchasing Decision | 16.9 | 4.4 | 32.9 |
| | Energy Use Baseline for Comparing Energy Use in Future Years | 6.8 | 16.5 | 13.5 |
| | Set Goals for Improving Energy Consumption | 7.3 | 14.7 | 13.9 |
| | Quantitative Goals | 27.4 | 24.7 | 3.4 |
| | Submetering (metering beyond the main utility, revenue or supplier meter) | 2.3 | 35.7 | |
| | Conduct Audits to Identify Energy Saving Opportunities | 4.5 | 27.6 | 16.3 |
| | Procedures to Reduce Electricity Consumption in Times of Critical Grid Conditions | 6.1 | 23.3 | 12.8 |
| | Automation Controls to Reduce Electricity Consumption in Times of Critical Grid Conditions | 5.4 | 27.9 | 13.7 |
| | Measure Oxygen and Carbon Dioxide Levels (f) | 5.6 | 34.5 | 12.2 |
| | Use Flue Gas to Preheat Other Equipment or Processes (g) Process Heating Maintenance Program that Includes the Following: | 4.6 | 42.6 | 14.3 |
| | Furance Inspections (h) | 10.3 | 11.0 | 12.2 |
| | Cleaning of Heat Transfer Equipment (i) | 10.7 | 11.7 | 11.0 |
| | Inspecting, Calibrating, and Adjusting Process Heating Equipment (i) | 11.3 | 11.0 | 11.1 |
| | Keep an Inventory of All Motors | 7.5 | 15.0 | 13.4 |
| | Detect and Control Compressed Air Leaks (I) | 8.4 | 13.4 | 12.6 |
| | Track the Amount of Energy Spent in Compressed Air Systems | 4.7 | 47.8 | 13.9 |

⁽a) The Bureau of the Census classifies establishments using the 2017 North American Industry Classification System (NAICS).
(b) This count includes only those establishments that reported this activity in 2018.
(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.

- (1) running the parties requires the measuring or oxygen and carbon dioxide levels in policis and other rule meating 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 necessary to seal openings and repair cracks and damaged insulation in furnace walls, doors, etc.

 (i) The cleaning of heat transfer surfaces avoids buildup of soot, scale, or other material.

 (j) Process heating equipment includes, but is not limited to, temperature and pressure sensors, controllers, valve 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.
- * Estimate less than 0.5.
- D=Withheld to avoid disclosing data for individual establishments.
- Q=Withheld because Relative Standard Error is greater than 50 percent.
- X=Not defined because RSE corresponds to a data table value of zero.
- 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 Demand and Integrated Statistics, Form EIA-846, 2018 Manufacturing Energy Consumption Survey.

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-FY20-260).