

BEFORE THE U.S. DEPARTMENT OF COMMERCE
BUREAU OF INDUSTRY AND SECURITY

Section 232 Investigation on the Effect of
Imports of Steel on U.S. National Security

POST-HEARING COMMENTS OF THE KOREA IRON AND STEEL ASSOCIATION
AND ITS MEMBER COMPANIES POSCO, HYUNDAI STEEL CO., LTD., DONGKUK
STEEL MILL, SEAH STEEL CORPORATION, DONGBU STEEL COMPANY, AND
KISWIRE

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Imports of Steel on U.S. National Security)

Post-Hearing Comments of the Korea Iron & Steel Association and Its Member Companies
Re: 232 National Security Investigation of Steel

I. INTRODUCTION

On behalf of the Korea Iron & Steel Association (“KOSA”) and its member companies POSCO, Hyundai Steel Co., Ltd., Dongkuk Steel Mill, SeAH Steel Corp, Dongbu Steel Company, and KISWIRE, we respectfully submit the following written comments in connection with the Section 232 Investigation regarding imports of steel. On **April 19, 2017**, the Secretary of Commerce initiated a Section 232 investigation on steel imports.¹ The following day on **April 20, 2017**, the President signed a memorandum to express support for the investigation and request that the Secretary of Commerce expedite the Section 232 investigation.² In the President’s memorandum, he directed the Secretary of Commerce to expedite his investigation of the effects of steel imports on U.S. national security to determine the following: 1) If steel imports cause American workers to lose jobs needed to meet security requirements of the domestic steel industry; 2) any negative impact on government revenue from steel imports; and

¹ *Notice Request for Public Comments and Public Hearing on Section 232 National Security Investigation of Imports of Steel*, 82 Fed. Reg. 19,205 (Dep’t Commerce Apr. 26, 2017).

² *Id.*

3) any harm caused to the economic welfare of the United States, considering the close relationship to national security.³

These comments are submitted on behalf of KOSA and its member companies in response to the Request for Public Comments.⁴ The position of KOSA is as follows:

- Imports of steel from Korea are not a threat to the United States or the U.S. steel industry. Between 2014-2016, steel imports from Korea declined by over one million tons and total steel imports from Korea have not increased in interim 2017.
- Antidumping and countervailing duties have significantly restricted imports of steel from many sources, including Korea in particular.
- Downstream manufacturers that utilize steel as an input generate more than 16 times the value added by primary metal manufacturing, including steel, and employ roughly 16 times more employees. These downstream producers purchase and use both domestically produced and imported steel and will be adversely affected by import restrictions on steel.
- Korean producers have made significant investments in the United States. Those investments were based, in significant part, on the ability to import steel substrate to support those investments.

II. Steel Imports from Korea Have Declined and Are Not a Threat to U.S. National Security

Steel imports from Korea are not threatening the national security of the United States.

While individual competitive issues may exist with individual U.S. companies, the U.S. industry overall is strong and improving while steel imports and imports from Korea have declined significantly since 2014.

In its October 2001 investigation entitled “The Effect of Imports of Iron Ore and Semi-Finished Steel on the National Security,” the U.S. Department of Commerce (“Commerce”)

³ See Press Release from the White House, Office of the Press Secretary, “President Donald J. Trump: Standing up to Unfair Steel Trade Practices,” (Apr. 20, 2017), available at <https://www.whitehouse.gov/the-press-office/2017/04/20/president-donald-j-trump-standing-unfair-steel-trade-practices>.

⁴ *Notice Request for Public Comments and Public Hearing on Section 232 National Security Investigation of Imports of Steel*, 82 Fed. Reg. 19,205 (Dep’t Commerce Apr. 26, 2017).

concluded that: (1) the DOD demands for iron and steel for weapons systems ranged from 325,000 to 650,000 net tons/year, a small portion of the steel industry's annual output; and (2) assuming that 28 identified industries would also require steel inputs, their requirements would be in the range of 33.68 million tons of steel/year (which was considered a significant over estimate). As noted in the accompanying **Attachment 1** (Table 1), U.S. producers of steel shipped 86.53 million tons of finished steel in 2016, and additional capacity is coming on-stream. Big River Steel just constructed a new electric arc furnace ("EAF") facility in Arkansas with 1.6 million tons of capacity⁵ and began deliveries in December 2016.⁶

Attachment 1 (Table 1) shows U.S. steel mill shipments, total steel mill imports, apparent U.S. consumption, imports from Korea, and market shares. The data substantiate that imports from Korea have been severely impacted by as a result of Antidumping and Countervailing Duty Orders on numerous products.

- Between 2014-2016, total apparent U.S. consumption of steel declined by 16.2 percent – from 142,587,000 tons in 2014 to 119,554,000 tons in 2016.⁷
- Domestic shipments during this period declined by 11.9 percent – from 98,249,000 tons in 2014 to 86,533,000 tons in 2016.⁸
- Total U.S. imports of steel mill products during this same period declined by 25.5 percent reflecting the economic slowdown combined with the impact of antidumping/countervailing duty relief.⁹

⁵ "Big River Steel Mill rises in northeast Arkansas," *Washington Times*, (Nov. 22, 2015), available at <http://www.washingtontimes.com/news/2015/nov/22/big-river-steel-mill-rises-in-northeast-arkansas/>.

⁶ "Big River Steel Delivers First Hot Rolled Coil," *Steel Market Update*, (Dec. 15, 2016), available at <https://www.steelmarketupdate.com/news/10246-big-river-steel-delivers-first-hot-rolled-coil>.

⁷ See **Attachment 1** (Table 1).

⁸ **Attachment 1** (Table 1); **Attachment 2** (Net Shipments of Steel Mill Products, AIS 10).

⁹ **Attachment 1** (Table 1); **Attachment 3** (U.S. Imports of Steel Mill Products, By Country).

- U.S. imports of steel mill products from Korea during this same period declined by over one million tons or 30.4 percent from 5,476,000 tons in 2014 to 3,812,000 tons in 2016.¹⁰

Thus, domestic shipments declined during this period, reflecting the overall decline in apparent consumption, but domestic producers increased their share of the U.S. market as steel imports declined more than domestic shipments. Moreover, steel imports from Korea declined by over one million tons during the last three years, demonstrating the impact of antidumping and countervailing duty orders on various steel products.

In the first quarter of 2017, domestic shipments of steel products have increased by 1,285,000 tons. While total imports have increased by 1,430,000 tons,¹¹ of that first quarter increase in total steel imports, 890,000 tons or 62 percent of the increase is in blooms, billets, and slabs – semi-finished products that are imported by U.S. steel producers to produce finished steel.¹² During this same period, total imports from Korea have declined by an additional 7,000 tons.¹³

III. The Decline in Steel Imports from Korea Is a Direct Result of Antidumping and Countervailing Duty Orders

The United States currently maintains 166 Antidumping (“AD”) and Countervailing Duty (“CVD”) orders on steel mill products and pipe and tube products from various countries.¹⁴

¹⁰ *Id.*

¹¹ *Id.*

¹² See **Attachment 4** (US Imports of Steel Mill Products, from World, by Product (Census Data)).

¹³ Table 1.

¹⁴ Antidumping and Countervailing Duty Orders in Place as of May 11, 2017, U.S. International Trade Commission at **Attachment 5**. Eight additional AD/CVD orders on cut-to-length (“CTL”) plate were published in the Federal Register last week. *Certain Carbon and Alloy Steel Cut-To-Length Plate From Austria, Belgium, France, the Federal Republic of Germany, Italy, Japan, the Republic of Korea, and Taiwan: Amended Final Affirmative Antidumping Determinations for France, the Federal Republic of Germany, the Republic of Korea and*

Including the recently imposed AD/CVD orders on CTL Plate, 84 new AD/CVD orders on steel mill and pipe and tube products have been put in place since 2014.¹⁵ Steel imports from Korea are covered by 25 AD/CVD orders including the following products: standard and structural pipe, stainless steel sheet & strip, CTL plate, light-walled square and rectangular pipe and tube, heavy walled rectangular welded pipe, oil country tubular goods (“OCTG”), non-grain oriented electrical steel, nails, welded line pipe, corrosion-resistant steel products (“CORE”), cold-rolled steel, and hot-rolled steel.

Despite complaints by various U.S. producers concerning the effectiveness of the AD/CVD orders, there is no question that these orders are operating exactly as they are designed to: reducing steel imports and benefiting domestic producers and workers. Antidumping orders effectively establish a price floor on imports. The price floor varies with the level of the dumping margin, but it has the effect of raising the price of imports. Countervailing duty orders place a tax on the imports in the form of countervailing duties. That tax is born by the importer of record. The impact of the AD/CVD orders can be seen in the import statistics.

IV. Downstream Industries Depend on Both Domestic Production and Imports of Steel

Steel production in the United States adds far less value to the economy and employs far fewer workers than downstream manufacturers that consume steel to manufacture more advanced products. As former Chairman of the U.S. International Trade Commission Daniel Pearson noted in his analysis, data from the Bureau of Economic Analysis (“BEA”) at Commerce indicate that value added by “primary metal manufacturing” amounted to \$59.7

Taiwan, and Antidumping Duty Orders, 82 Fed. Reg. 24,096 (Dep’t Commerce May 25, 2017); *Certain Carbon and Alloy Steel Cut-To-Length Plate From the Republic of Korea: Countervailing Duty Order*, 82 Fed. Reg. 24,103 (Dep’t Commerce May 25, 2017).

¹⁵ Antidumping and Countervailing Duty Orders in Place as of May 11, 2017, U.S. International Trade Commission at **Attachment 5**.

billion in 2014.¹⁶ Primary metal manufacturing (NAICS 331) includes steel manufacturing, but is much larger and includes non-ferrous metals such as aluminum, copper, etc. Downstream manufacturers that utilize steel and primary metals as an input generate value added of \$990 billion in 2014 – more than 16 times higher. Updating his analysis to 2016, the numbers are \$56.2 billion value added for primary metals and \$1,027 billion value added for downstream industries. Employment in downstream industries is also 16 times greater than employment in the steel industry.¹⁷

V. The Korean Steel Industry Has Invested Heavily in the United States

Korean steel producers have invested heavily in the U.S. economy. All of these investments assume the ability to source the raw materials necessary to make those investments worthwhile. This present Section 232 action threatens those assumptions and the viability of those investments.

A. Hyundai Steel

Hyundai Motor Manufacturing Alabama, LLC or “HMMA” is a U.S. automobile manufacturer located in Montgomery, Alabama. Kia Motors Manufacturing Georgia or “KMMG” is a U.S. automobile manufacturer located in West Point, Georgia. Hyundai Steel operates a steel processing center in Greenville, Alabama that processes domestically produced and imported cold-rolled and corrosion-resistant steel for HMMA, KMMG, and other automobile companies, as well as for the suppliers of parts and components to those companies.

¹⁶ Daniel R. Pearson, “Global Steel Overcapacity: Trade Remedy ‘Cure’ Is Worse than the ‘Disease’” *CATO Institute*, (Apr. 11, 2016), available at <https://www.cato.org/publications/free-trade-bulletin/global-steel-overcapacity-trade-remedy-cure-worse-disease>; *see also* **Attachment 6**, Bureau of Economic Analysis, U.Value added by Industry, Seasonally adjusted at annual rates, Released April 21, 2017.

¹⁷ *See Attachment 7* (Bureau of Economic Analysis, Table 6.4D, Full – Time and Part-Time Employees by Industry, last updated August 3, 2016).

HMMA, KMMG, and Hyundai Steel America are all affiliates of Hyundai Steel of Korea. The Hyundai Group has invested **\$4.67 billion**, which is a cumulative total. Those establishments are engaged in automobile production in the United States and purchase steel from both U.S. producers and from imports. Collectively, these companies employ over 6,340 workers. Hyundai Steel America is a steel processing center for cold-rolled and corrosion-resistant steel. Hyundai Steel was established in 2003 with a total investment of approximately \$82 million. Hyundai Steel employs approximately 140 employees. Going forward, Hyundai Steel plans to purchase approximately 40 percent of the cold-rolled and corrosion-resistant steel purchased from domestic steel producers. The balance will be imported from Japan, Korea, and other sources.

The investments in KMMG, HMMA, and Hyundai Steel have increased employment and provided jobs and economic activity in the communities where they are located that previously did not exist. The companies have increased domestic purchases of steel, providing customers and opportunities that did not previously exist.

B. POSCO

POSCO has invested in excess of **\$584 million** in USS-POSCO Industries (“UPI”), a West Coast producer of cold-rolled steel, corrosion-resistant steel, and tin plate, and POSCO America Alabama Processing Center (“POSCO-AAPC”), a steel service center that processes automotive steel. UPI and POSCO-AAPC together employ approximately 700 workers.

In addition, in order to establish a supply chain capable of responding to the demand for high-grade steel wire in the United States, POSCO is investing \$26 million to build a wire rod drawing facility in Indiana close to where potential customers, including in the automotive and bearing industries are located. These customers require high-quality steel wire even with their

comparably higher price. The new plant will begin operations in July of this year. It will have the capacity to produce 25,000 metric tons of steel wire annually and will immediately create 60 new manufacturing jobs. Automobile and bearing makers require quality assurance on not only the drawing process but also the rolling process, especially including the steelmaking process. Absent the ability to source high quality wire rod produced using the basic oxygen furnace (“BOF”) process, which no wire rod producer in the United States uses, U.S. producers are unable to meet many of the wire requirements demanded by the U.S. automobile and bearings industries.

UPI is a joint venture with U.S. Steel. When POSCO made the decision to invest in UPI, it did so with the express understanding that UPI would need to import a significant portion of its hot-rolled coil substrate to produce cold-rolled, corrosion-resistant, and tin mill steel. As a West Coast mill, it is not economical to source all of UPI’s hot-rolled needs from the east and Midwest for the same reasons discussed by Mr. Cross of Steelscape at the hearing on May 24. It should further be noted that absent the investment by POSCO, UPI would not exist, since U.S. Steel previously had shut down the facility. However, U.S. producers led by U.S. Steel filed AD/CVD cases against POSCO’s hot-rolled coil. As a result of a final CVD margin of 58.68 percent (based on the application of Adverse Facts Available), POSCO has not exported hot-rolled steel to UPI since the 3rd quarter of 2016. It is worth noting that in a subsequent CVD order on CTL plate, published on May 25, 2017, the Department determined that the subsidy to POSCO was 4.31 percent.¹⁸ While POSCO believes this result also is significantly overstated, it more fairly

¹⁸ *Certain Carbon and Alloy Steel Cut-To-Length Plate From the Republic of Korea: Countervailing Duty Order*, 82 Fed. Reg. 24,103 (Dep’t Commerce May 25, 2017). Both the hot-rolled steel subsidy and the CTL Plate subsidy are calculated based on total sales of all products and total subsidies. The difference is that the hot rolled “subsidy” was not an actual calculation but based on an Adverse Facts Available finding.

represents the level of any government subsidy to POSCO than the 58.68 percent applied to hot-rolled coil produced by POSCO.

POSCO's inability to import hot-rolled coil has had severe adverse consequences for UPI. As seen in **Attachment 8** (Table 2), UPI earned a net profit in the first three quarters of 2016 of \$24.832 million for the partners. With the cessation of imported hot-rolled coil, UPI lost \$20.005 million in the 4th quarter of 2016 alone. During the first 4 months of 2017, UPI has lost an additional \$11.970 million. The cessation of imports of hot-rolled coil from POSCO since the end of last year has had a profound negative effect on the continued viability of UPI.

C. SeAH Steel Corporation

SeAH Steel Corporation, through its U.S. affiliates SeAH Steel USA and State Pipe, has invested in excess of \$130 million in three facilities. The details are as follows:

- SeAH Steel invested in excess of \$100 million in its purchase of assets in Houston, Texas in November 2016. SeAH Steel plans to invest in excess of \$50 million in this facility over the next 3 years as SeAH Steel plans to expand capacity at the mill. As of August 2017, the Laguna facility will employ 197 American workers. SeAH Steel expects to produce at approximately 50,000 tons of OCTG in 2017 and double that amount in 2018. However, SeAH Steel cannot produce every size of OCTG used in the US market. The mill is designed to produce 4 1/2" to 7" OCTG casing. These are the most popular size ranges. But, to be competitive, SeAH Steel needs to import smaller sizes (2 3/8" to 2 7/8") of OCTG tubing and larger sizes (7 5/8" to 9 5/8") of OCTG casing that it cannot produce in its mill, since purchasers prefer to source all required sizes from the same supplier. The imported OCTG is produced by SeAH Steel's parent company, SeAH Steel Corp. in South Korea. These imports allow SeAH Steel to be fully competitive in the U.S. market and thus enhance the volume of SeAH Steel's U.S. domestic production. If SeAH Steel were suddenly unable to import these products, SeAH Steel's U.S. investment, and the jobs that investment has supported, would be threatened.
- State Pipe has invested approximately \$15 million in West Coast Spiral Pipe, a spiral pipe mill that will be operational in August. State Pipe also plans to construct another pipe mill in the future. State Pipe is expected to employ 140 workers at that facility. It produces large diameter pipe that will include, but not be limited to, pipe pilings (A252), water transmission piping, casing and

structural pipe. West Coast Spiral Pipe will supply water transmission spiral pipe manufactured to ASTM and AWWA C200 specifications with an O.D. ranging from 16” to 56” with lengths up to 40 feet. This pipe will be fully hydro tested with options of square cut and weld bell expanded end configurations. Pipe pile production (A252) will range in sizes from 16” to 100” with lengths up to 80 feet.

- In addition, West Coast Pipe, a division of State Pipe & Supply, is a manufacturer of cement mortar lined and coated steel pipe and is expected to use in excess of 15,000 tons of spiral pipe per year.
- With SeAH Steel’s production of OCTG in Texas, SeAH Steel sources approximately 70 percent of its hot-rolled coil from U.S. producers of hot-rolled coil, and it sources the other 30 percent of its requirements from imported hot-rolled coil, principally from South Korea. Access to imported hot-rolled coil is essential because there are grades of hot-rolled coil that SeAH Steel needs to import to produce the required grades of OCTG.
- In the case of State Pipe’s large-diameter pipe mill, most of the hot-rolled substrate will be imported because the mill is located in California and because U.S. producers of hot-rolled coil on the West Coast are limited in the production of the grades required and themselves dependent on imported substrate. The spiral pipe mill produces large-diameter line pipe for use in large municipal water transmission projects. U.S. health and safety regulations governing such pipelines require that the pipe be produced using high-quality steel with very specific and demanding chemical and mechanical properties. The required hot-rolled coil is not available in sufficient quantities from domestic flat-rolled steel mills on the West Coast because the overall level of demand is not sufficient to justify the investments that would be required. Moreover, it is not competitive to ship hot-rolled coil from the east/Midwest to California due to the prohibitive cost of shipping by rail. If measures were put in place to prevent the importation of the hot-rolled coil State Pipe could find itself unable to even bid on these major U.S. pipeline projects. It would certainly increase significantly the cost to municipalities to construct these pipelines.

D. Ohio Coatings Company

Ohio Coatings Company (“OCC”), a U.S. producer of tin plate, is a joint venture between TCC of Korea (a Korean producer of tin mill products) and Esmark. As Mr. Tennant, CEO of OCC testified on May 24 at the Section 232 hearing, the total investment in OCC to date is **\$80 million**, and the mill would not exist but for the investment by TCC. The investment in OCC

makes sense only if it can access imported black plate to supplement its purchases of black plate from ArcelorMittal.

E. Kiswire America Inc.

Kiswire America Inc. (“KISWIRE”), a subsidiary of KISWIRE, Korea, has invested in excess of **\$220 million** in three plants in South Carolina and Arkansas to produce steel tire cord and bead wire for U.S. tire producers. As noted in the testimony of Ms. Tracey Norberg of the U.S. Tire Manufacturers Association, in order to produce the tire cord and bead wire required by U.S. tire manufacturers, wire manufacturers require Grade 1080 wire rod for tire cord and bead wire, which must be produced using wire rod produced using BOF technology to obtain the chemical consistency and cleanliness required to produce tire cord and bead wire. All U.S. wire rod producers use electric arc furnaces (“EAF”). If imports of Grade 1080 wire rod for bead wire and tire cord are restricted, then U.S. tire manufacturers will be forced to import the value added tire cord and bead wire directly because it will not be possible to manufacture those grades in the United States. The details of the investments are as follows:

- **Kiswire Inc. in Newberry, South Carolina:**
 - **Bead Wire:** KISWIRE’s Bead Wire plant in Newberry, South Carolina was built in 1999 with about \$30 million and has an annual capacity of 52,000 metric tons.
 - **Steel Cord:** KISWIRE started production of steel cord at its Newberry, South Carolina facility in 2014, and has invested around \$90 million so far and produces 15,000 metric tons per year. KISWIRE will invest another \$20 million to increase capacity another 15,000 metric tons by 2019.
- **Kiswire Pine Bluff Inc. in Pine Bluff, Arkansas:** KISWIRE invested \$100 million in this facility for Steel Cord production (36,000 metric tons) and Bead Wire production (24,000 metric tons).

KISWIRE employs nearly 660 workers—290 employees in South Carolina and 369 employees in Arkansas. The investment in these mills and their continued operation was

conditioned on the ability to import BOF-produced Grade 1080 wire rod to produce the quality of wire rod necessary for production of high-quality tire cord and bead wire. There is no U.S. production of BOF-produced wire rod in the United States. KISWIRE's access to the raw materials necessary to produce steel cord and bead wire is threatened by this and other actions.

VI. CONCLUSION

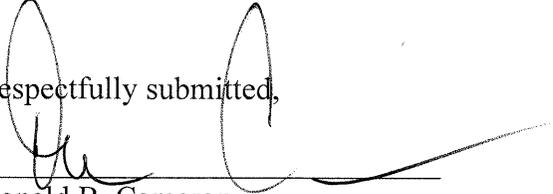
The Korean steel industry understands that trade is a two way street. Korean steel producers and their affiliated companies have made significant investments in the steel industry in the United States. Those investments and planned future investments are jeopardized by further import restrictions on steel imported from Korea.

There is no basis for action pursuant to Section 232. That provision was designed to address national security issues. It was not designed to allow an end-run around existing import relief laws. Those laws contain important legal safeguards. Among other things, those laws require that dumping and/or subsidization must be proven, not merely alleged, and that actual, concrete injury to the domestic industry as a whole must be shown. Those import relief laws are also subject to judicial review and must comply with applicable international agreements. Section 232, which has none of these safeguards, exists for the limited purpose of allowing the President to act unilaterally to safeguard national security from specific import threats by adopting narrowly tailored relief. It was never intended to become the vehicle for broad-based trade policy or industrial policy.

The standard import relief laws work, and no industry has made more extensive use of them than the U.S. steel industry. Steel imports from Korea have declined significantly as a result of AD/CVD actions. Any further restrictions cannot credibly be justified by national security considerations and would threaten existing and future investments in the same steel

industry and threaten users of various steel products that cannot fully depend on domestic production.

Respectfully submitted,



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Attachment 1

Table 1**U.S. Shipments of Steel Mill Products, Total Steel Mill Imports,
Imports from Korea, Apparent U.S. Consumption, and Imports/ Consumption**

2014–2016

January–March 2016, January–March 2017

Unit: '000 Net Tons

| | 2014 | 2015 | 2016 | 2014-2016 % Change | January - March 2016 | January - March 2017 | January - March % Change |
|--|---------|---------|---------|-----------------------|-------------------------|-------------------------|-----------------------------|
| U.S. Shipments¹ | 98,249 | 86,547 | 86,533 | -11.9% | 21,348 | 22,633 | 6.0% |
| Total Imports² | 44,338 | 38,739 | 33,021 | -25.5% | 7,525 | 8,955 | 19.0% |
| Imports from Korea | 5,476 | 4,853 | 3,812 | -30.4% | 898 | 891 | -0.8% |
| Apparent U.S. Consumption | 142,587 | 125,286 | 119,554 | -16.2% | 28,873 | 31,588 | 9.4% |
| U.S. Share of Consumption | 68.9% | 69.1% | 72.4% | | 73.9% | 71.7% | |
| Total Import Share of Consumption | 31.1% | 30.9% | 27.6% | | 26.1% | 28.3% | |
| Imports from Korea Share of Consumption | 3.8% | 3.9% | 3.2% | | 3.1% | 2.8% | |

1. AISI Net Shipments of Steel Mill Products, AIS 10, Dec. 2015, 2016, and Mar. 2017.

2. U.S. Imports of Steel Mill Products from Steel Import Monitor converted from metric tons to net tons.

Attachment 2

NET SHIPMENTS OF STEEL MILL PRODUCTS
ALL GRADES INCLUDING CARBON, ALLOY AND STAINLESS
 NET TONS

December 2015

| Products | CODE | CURRENT MONTH | | | | PERCENT | | YEAR-TO-DATE | | | | PERCENT | | |
|------------------------------------|-------|------------------|----------------|----------------|------------------|---------------|--------------|-------------------|------------------|------------------|-------------------|---------------|--------------|---------------|
| | | CARBON | ALLOY | STAINLESS | TOTAL | 2015 | 2014 | CARBON | ALLOY | STAINLESS | TOTAL | 2015 | 2014 | CHANGE |
| Ingots and Steel for Castings | 1A | 14,462 | 7,500 | | 21,962 | 0.3% | 0.4% | 171,277 | 105,945 | | 277,222 | 0.3% | 0.4% | -21.9% |
| Blooms, Slabs, Billets | 1B | 18,142 | 1,769 | 114 | 20,025 | 0.3% | 1.0% | 457,036 | 25,868 | 1,130 | 484,034 | 0.6% | 0.9% | -44.5% |
| Total Semi-Finished | | 32,604 | 9,269 | 114 | 41,987 | 0.6% | 1.3% | 628,313 | 131,813 | 1,130 | 761,256 | 0.9% | 1.2% | -38.0% |
| Wire Rods | 3 | 123,009 | | 2,177 | 125,186 | 1.9% | 2.4% | 2,064,763 | | 35,998 | 2,100,761 | 2.4% | 2.4% | -11.5% |
| Structural Shapes(3" & over) | 4** | 455,236 | | | 455,236 | 6.9% | 5.8% | 5,840,955 | | | 5,840,955 | 6.7% | 6.3% | -4.9% |
| Steel Piling | 5 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | #DIV/0! |
| Plates - Cut Lengths | 6A | 425,521 | 23,338 | 9,941 | 458,800 | 7.0% | 7.3% | 5,676,524 | 337,995 | 139,921 | 6,154,440 | 7.1% | 7.3% | -14.8% |
| Plates - In Coils | 6B | 196,440 | | 13,119 | 209,559 | 3.2% | 4.3% | 2,434,623 | | 180,763 | 2,615,386 | 3.0% | 3.3% | -20.0% |
| Total Shapes and Plates | | 1,077,197 | 23,338 | 23,060 | 1,123,595 | 17.1% | 17.4% | 13,952,102 | 337,995 | 320,684 | 14,610,781 | 16.9% | 16.9% | -12.1% |
| Rails-Standard (over 60 lb) | 7 | 84,864 | | | 84,864 | 1.3% | 1.3% | 1,024,029 | | | 1,024,029 | 1.2% | 1.0% | 3.1% |
| -All Other | 8 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | |
| Railroad Accessories | 9 | 16,688 | | | 16,688 | 0.3% | 0.3% | 266,508 | | | 266,508 | 0.3% | 0.3% | -12.5% |
| Total Rails and Accessories | | 101,552 | | | 101,552 | 1.5% | 1.6% | 1,290,537 | | | 1,290,537 | 1.5% | 1.3% | -0.6% |
| Bars-Hot Rolled | 14 | 281,229 | 53,751 | 4,867 | 339,847 | 5.2% | 5.1% | 3,759,236 | 782,615 | 62,522 | 4,604,373 | 5.3% | 5.4% | -13.5% |
| -Bar-Size Light Shapes | 14A | 137,259 | | | 137,259 | 2.1% | 2.0% | 1,947,750 | | | 1,947,750 | 2.3% | 2.1% | -5.5% |
| -Reinforcing | 15 | 478,672 | | | 478,672 | 7.3% | 7.1% | 6,434,693 | | | 6,434,693 | 7.4% | 7.8% | -16.6% |
| -Cold Finished | 16 | 60,331 | 16,193 | 5,480 | 82,004 | 1.3% | 1.2% | 791,357 | 214,694 | 79,076 | 1,085,127 | 1.3% | 1.3% | -17.1% |
| Total Bars | | 957,491 | 69,944 | 10,347 | 1,037,782 | 15.8% | 15.4% | 12,933,036 | 997,309 | 141,598 | 14,071,943 | 16.3% | 16.7% | -14.2% |
| Tool Steel | 17 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | #DIV/0! |
| Standard Pipe | 18** | 33,428 | | | 33,428 | 0.5% | 0.8% | 430,514 | | | 430,514 | 0.5% | 0.9% | -49.3% |
| Oil Country Goods | 19 | 55,835 | 43,911 | | 99,746 | 1.5% | 3.5% | 789,669 | 539,031 | | 1,328,700 | 1.5% | 3.0% | -55.1% |
| Line Pipe | 20** | 47,510 | | | 47,510 | 0.7% | 0.5% | 469,156 | | | 469,156 | 0.5% | 0.6% | -21.2% |
| Mechanical Tubing | 21A | 27,854 | 6,828 | | 34,682 | 0.5% | 0.6% | 413,494 | 130,974 | | 544,468 | 0.6% | 0.7% | -21.6% |
| Pressure Tubing | 21B | 1,329 | | | 1,329 | 0.0% | 0.0% | 27,473 | | | 27,473 | 0.0% | 0.0% | -25.7% |
| Structural Pipe and Tubing | 22A | 1,335 | | | 1,335 | 0.0% | 0.1% | 22,932 | | | 22,932 | 0.0% | 0.1% | -59.1% |
| Pipe for Piling | 22B | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | n/a |
| Stainless Pipe and Tubing | 21C&D | | | 1,512 | 1,512 | 0.0% | 0.0% | | | 16,757 | 16,757 | 0.0% | 0.0% | 25.3% |
| Total Pipe and Tubing | | 167,291 | 50,739 | 1,512 | 219,542 | 3.3% | 5.6% | 2,153,238 | 670,005 | 16,757 | 2,840,000 | 3.3% | 5.3% | -45.4% |
| Wire-Drawn and/or Rolled | 23 | 26,194 | | *** | 26,194 | 0.4% | 0.3% | 382,900 | | *** | 382,900 | 0.4% | 0.4% | -4.3% |
| Black Plate | 28 | 2,644 | | | 2,644 | 0.0% | 0.0% | 23,461 | | | 23,461 | 0.0% | 0.0% | -28.7% |
| Tin Plate | 29 | 82,597 | | | 82,597 | 1.3% | 1.2% | 1,232,724 | | | 1,232,724 | 1.4% | 1.5% | -14.1% |
| Tin Free Steel | 29A | 19,663 | | | 19,663 | 0.3% | 0.3% | 340,854 | | | 340,854 | 0.4% | 0.4% | -7.3% |
| Tin Coated Sheets | 30 | 5,638 | | | 5,638 | 0.1% | 0.1% | 81,183 | | | 81,183 | 0.1% | 0.1% | -16.8% |
| Total Tin Mill Products | | 110,542 | | | 110,542 | 1.7% | 1.5% | 1,678,222 | | | 1,678,222 | 1.9% | 2.0% | -13.2% |
| Sheets-Hot Rolled | 31 | 1,596,297 | 18,564 | 24,070 | 1,638,931 | 25.0% | 24.5% | 20,040,242 | 213,642 | 323,882 | 20,577,766 | 23.8% | 23.1% | -9.5% |
| -Cold Rolled | 32** | 657,745 | | 102,035 | 759,780 | 11.6% | 10.7% | 8,743,184 | | 1,294,447 | 10,037,631 | 11.6% | 11.4% | -10.8% |
| Sheets & Strip Galv.(Hot Dipped) | 33A | 1,129,588 | | | 1,129,588 | 17.2% | 15.9% | 15,005,780 | | | 15,005,780 | 17.3% | 15.7% | -3.0% |
| -Galvanized (Electrolytic) | 33B | 86,282 | | | 86,282 | 1.3% | 1.1% | 1,181,613 | | | 1,181,613 | 1.4% | 1.4% | -12.6% |
| -All Other Metallic Coated | 34 | 112,798 | | | 112,798 | 1.7% | 1.6% | 1,486,306 | | | 1,486,306 | 1.7% | 1.4% | 7.4% |
| Electrical Sheets and Strip | 35 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | #DIV/0! |
| Strip-Hot Rolled | 36** | 2,276 | | 378 | 2,654 | 0.0% | 0.0% | 31,613 | | 5,779 | 37,392 | 0.0% | 0.0% | -15.7% |
| -Cold Rolled | 37 | 7,125 | 9,197 | 23,607 | 39,929 | 0.6% | 0.5% | 85,500 | 84,806 | 313,463 | 483,769 | 0.6% | 0.6% | -11.2% |
| Total Sheets and Strip | | 3,592,111 | 27,761 | 150,090 | 3,769,962 | 57.5% | 54.4% | 46,574,238 | 298,448 | 1,937,571 | 48,810,257 | 56.4% | 53.7% | -7.5% |
| TOTAL SHIPMENTS 2015 | | 6,187,991 | 181,051 | 187,300 | 6,556,342 | 100.0% | XXX | 81,657,349 | 2,435,570 | 2,453,738 | 86,546,657 | 100.0% | XXX | -11.9% |
| Total Shipments - Prior Year 2014 | | 7,479,810 | 305,112 | 193,388 | 7,978,310 | 100.0% | XXX | 92,136,842 | 3,607,259 | 2,504,565 | 98,248,666 | XXX | 100.0% | XXX |

*Includes revisions for previous months.

**Some Alloy included in Carbon due to disclosure.

*** Not included due to disclosure

NET SHIPMENTS OF STEEL MILL PRODUCTS
ALL GRADES INCLUDING CARBON, ALLOY AND STAINLESS
 NET TONS

December 2016

| Products | CODE | CURRENT MONTH | | | | PERCENT | | YEAR-TO-DATE | | | | PERCENT CHANGE | | |
|------------------------------------|-------|------------------|----------------|----------------|------------------|---------------|--------------|-------------------|------------------|------------------|-------------------|----------------|--------------|---------------|
| | | CARBON | ALLOY | STAINLESS | TOTAL | 2016 | 2015 | CARBON | ALLOY | STAINLESS | TOTAL | 2016 | 2015 | CHANGE |
| Ingots and Steel for Castings | 1A | 13,964 | 6,200 | | 20,164 | 0.3% | 0.3% | 152,571 | 93,802 | | 246,373 | 0.3% | 0.3% | -11.1% |
| Blooms, Slabs, Billets | 1B | 26,650 | 1,963 | 23 | 28,636 | 0.4% | 0.3% | 208,473 | 23,112 | 650 | 232,235 | 0.3% | 0.6% | -52.0% |
| Total Semi-Finished | | 40,614 | 8,163 | 23 | 48,800 | 0.7% | 0.6% | 361,044 | 116,914 | 650 | 478,608 | 0.6% | 0.9% | -37.1% |
| Wire Rods | 3 | 163,694 | | 3,278 | 166,972 | 2.3% | 1.9% | 1,715,265 | | 42,318 | 1,757,583 | 2.0% | 2.4% | -16.3% |
| Structural Shapes(3" & over) | 4** | 541,072 | | | 541,072 | 7.5% | 6.9% | 6,301,663 | | | 6,301,663 | 7.3% | 6.7% | 7.9% |
| Steel Piling | 5 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | #DIV/0! |
| Plates - Cut Lengths | 6A | 477,154 | 29,862 | 11,187 | 518,203 | 7.2% | 7.0% | 5,467,432 | 376,363 | 162,435 | 6,006,230 | 6.9% | 7.1% | -2.4% |
| Plates - In Coils | 6B | 130,362 | | 22,782 | 153,144 | 2.1% | 3.2% | 1,635,422 | | 217,713 | 1,853,135 | 2.1% | 3.0% | -29.1% |
| Total Shapes and Plates | | 1,148,588 | 29,862 | 33,969 | 1,212,419 | 16.9% | 17.1% | 13,404,517 | 376,363 | 380,148 | 14,161,028 | 16.4% | 16.9% | -3.1% |
| Rails-Standard (over 60 lb) | 7 | 58,004 | | | 58,004 | 0.8% | 1.3% | 726,453 | | | 726,453 | 0.8% | 1.2% | -29.1% |
| -All Other | 8 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | |
| Railroad Accessories | 9 | 18,484 | | | 18,484 | 0.3% | 0.3% | 211,815 | | | 211,815 | 0.2% | 0.3% | -20.5% |
| Total Rails and Accessories | | 76,488 | | | 76,488 | 1.1% | 1.5% | 938,268 | | | 938,268 | 1.1% | 1.5% | -27.3% |
| Bars-Hot Rolled | 14 | 272,558 | 52,909 | 4,448 | 329,915 | 4.6% | 5.2% | 3,371,789 | 680,969 | 61,835 | 4,114,593 | 4.8% | 5.3% | -10.6% |
| -Bar-Size Light Shapes | 14A | 204,651 | | | 204,651 | 2.9% | 2.1% | 2,022,792 | | | 2,022,792 | 2.3% | 2.3% | 3.9% |
| -Reinforcing | 15 | 574,242 | | | 574,242 | 8.0% | 7.3% | 6,639,966 | | | 6,639,966 | 7.7% | 7.4% | 3.2% |
| -Cold Finished | 16 | 52,611 | 21,402 | 5,651 | 79,664 | 1.1% | 1.3% | 695,377 | 210,036 | 79,744 | 985,157 | 1.1% | 1.3% | -9.2% |
| Total Bars | | 1,104,062 | 74,311 | 10,099 | 1,188,472 | 16.6% | 15.8% | 12,729,924 | 891,005 | 141,579 | 13,762,508 | 15.9% | 16.3% | -2.2% |
| Tool Steel | 17 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | #DIV/0! |
| Standard Pipe | 18** | 39,256 | | | 39,256 | 0.5% | 0.5% | 412,986 | | | 412,986 | 0.5% | 0.5% | -4.1% |
| Oil Country Goods | 19 | 77,712 | 56,010 | | 133,722 | 1.9% | 1.5% | 596,355 | 573,306 | | 1,169,661 | 1.4% | 1.5% | -12.0% |
| Line Pipe | 20** | 42,688 | | | 42,688 | 0.6% | 0.7% | 486,914 | | | 486,914 | 0.6% | 0.5% | 3.8% |
| Mechanical Tubing | 21A | 29,450 | 6,707 | | 36,157 | 0.5% | 0.5% | 412,218 | 101,358 | | 513,576 | 0.6% | 0.6% | -5.7% |
| Pressure Tubing | 21B | 971 | | | 971 | 0.0% | 0.0% | 16,141 | | | 16,141 | 0.0% | 0.0% | -41.2% |
| Structural Pipe and Tubing | 22A | 750 | | | 750 | 0.0% | 0.0% | 9,369 | | | 9,369 | 0.0% | 0.0% | -59.1% |
| Pipe for Piling | 22B | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | n/a |
| Stainless Pipe and Tubing | 21C&D | | | 1,428 | 1,428 | 0.0% | 0.0% | | | 18,159 | 18,159 | 0.0% | 0.0% | 8.4% |
| Total Pipe and Tubing | | 190,827 | 62,717 | 1,428 | 254,972 | 3.6% | 3.3% | 1,933,983 | 674,664 | 18,159 | 2,626,806 | 3.0% | 3.3% | -7.5% |
| Wire-Drawn and/or Rolled | 23 | 26,737 | | *** | 26,737 | 0.4% | 0.4% | 363,809 | | *** | 363,809 | 0.4% | 0.4% | -5.0% |
| Black Plate | 28 | 2,739 | | | 2,739 | 0.0% | 0.0% | 35,317 | | | 35,317 | 0.0% | 0.0% | 50.5% |
| Tin Plate | 29 | 86,624 | | | 86,624 | 1.2% | 1.3% | 1,113,080 | | | 1,113,080 | 1.3% | 1.4% | -9.7% |
| Tin Free Steel | 29A | 18,170 | | | 18,170 | 0.3% | 0.3% | 261,977 | | | 261,977 | 0.3% | 0.4% | -23.1% |
| Tin Coated Sheets | 30 | 8,245 | | | 8,245 | 0.1% | 0.1% | 88,041 | | | 88,041 | 0.1% | 0.1% | 8.4% |
| Total Tin Mill Products | | 115,778 | | | 115,778 | 1.6% | 1.7% | 1,498,415 | | | 1,498,415 | 1.7% | 1.9% | -10.7% |
| Sheets-Hot Rolled | 31 | 1,734,243 | 20,321 | 38,026 | 1,792,590 | 25.0% | 25.0% | 20,578,804 | 234,323 | 348,133 | 21,161,260 | 24.5% | 23.8% | 2.8% |
| -Cold Rolled | 32** | 737,223 | | 125,808 | 863,031 | 12.0% | 11.6% | 9,584,248 | | 1,387,624 | 10,971,872 | 12.7% | 11.6% | 9.3% |
| Sheets & Strip Galv.(Hot Dipped) | 33A | 1,202,298 | | | 1,202,298 | 16.8% | 17.2% | 15,826,965 | | | 15,826,965 | 18.3% | 17.3% | 5.5% |
| -Galvanized (Electrolytic) | 33B | 64,247 | | | 64,247 | 0.9% | 1.3% | 961,363 | | | 961,363 | 1.1% | 1.4% | -18.6% |
| -All Other Metallic Coated | 34 | 119,020 | | | 119,020 | 1.7% | 1.7% | 1,527,837 | | | 1,527,837 | 1.8% | 1.7% | 2.8% |
| Electrical Sheets and Strip | 35 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | #DIV/0! |
| Strip-Hot Rolled | 36** | 2,895 | | 592 | 3,487 | 0.0% | 0.0% | 35,835 | | 7,121 | 42,956 | 0.0% | 0.0% | 14.9% |
| -Cold Rolled | 37 | 5,750 | 6,359 | 25,825 | 37,934 | 0.5% | 0.6% | 74,500 | 100,998 | 278,565 | 454,063 | 0.5% | 0.6% | -6.1% |
| Total Sheets and Strip | | 3,865,676 | 26,680 | 190,251 | 4,082,607 | 56.9% | 57.5% | 48,589,552 | 335,321 | 2,021,443 | 50,946,316 | 58.9% | 56.4% | 4.4% |
| TOTAL SHIPMENTS 2016 | | 6,732,464 | 201,733 | 239,048 | 7,173,245 | 100.0% | XXX | 81,534,777 | 2,394,267 | 2,604,297 | 86,533,341 | 100.0% | XXX | 0.0% |
| Total Shipments - Prior Year 2015 | | 6,187,991 | 181,051 | 187,300 | 6,556,342 | 100.0% | XXX | 81,657,349 | 2,435,570 | 2,453,738 | 86,546,657 | XXX | 100.0% | XXX |

*Includes revisions for previous months.

**Some Alloy included in Carbon due to disclosure.

*** Not included due to disclosure

NET SHIPMENTS OF STEEL MILL PRODUCTS
 ALL GRADES INCLUDING CARBON, ALLOY AND STAINLESS
 NET TONS

March 2017

| Products | CODE | CURRENT MONTH | | | | PERCENT | | YEAR-TO-DATE | | | | PERCENT | | |
|------------------------------------|-------|---------------|---------|-----------|-----------|---------|-------|--------------|---------|-----------|------------|---------|-------|---------|
| | | CARBON | ALLOY | STAINLESS | TOTAL | 2017 | 2016 | CARBON | ALLOY | STAINLESS | TOTAL | 2017 | 2016 | CHANGE |
| Ingots and Steel for Castings | 1A | 14,634 | 9,475 | | 24,109 | 0.3% | 0.3% | 43,320 | 23,450 | | 66,770 | 0.3% | 0.3% | 4.0% |
| Blooms, Slabs, Billets | 1B | 31,880 | 1,127 | 25 | 33,032 | 0.4% | 0.3% | 91,982 | 4,591 | 69 | 96,642 | 0.4% | 0.3% | 52.0% |
| Total Semi-Finished | | 46,514 | 10,602 | 25 | 57,141 | 0.7% | 0.6% | 135,302 | 28,041 | 69 | 163,412 | 0.7% | 0.6% | 27.9% |
| Wire Rods | 3 | 170,726 | | 3,909 | 174,635 | 2.3% | 1.9% | 511,907 | | 12,299 | 524,206 | 2.3% | 2.1% | 19.1% |
| Structural Shapes (3" & over) | 4** | 495,987 | | | 495,987 | 6.4% | 7.2% | 1,600,901 | | | 1,600,901 | 7.1% | 7.1% | 5.9% |
| Steel Piling | 5 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | #DIV/0! |
| Plates - Cut Lengths | 6A | 450,055 | 41,089 | 13,388 | 504,532 | 6.6% | 7.3% | 1,384,412 | 95,805 | 36,752 | 1,516,969 | 6.7% | 7.2% | -1.7% |
| Plates - In Coils | 6B | 115,412 | | 24,648 | 140,060 | 1.8% | 2.1% | 365,842 | | 60,133 | 425,975 | 1.9% | 2.3% | -12.4% |
| Total Shapes and Plates | | 1,061,454 | 41,089 | 38,036 | 1,140,579 | 14.8% | 16.6% | 3,351,155 | 95,805 | 96,885 | 3,543,845 | 15.7% | 16.6% | 0.1% |
| Rails-Standard (over 60 lb) | 7 | 72,186 | | | 72,186 | 0.9% | 1.1% | 196,354 | | | 196,354 | 0.9% | 1.1% | -19.0% |
| -All Other | 8 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | |
| Railroad Accessories | 9 | 24,982 | | | 24,982 | 0.3% | 0.2% | 81,961 | | | 81,961 | 0.4% | 0.3% | 52.2% |
| Total Rails and Accessories | | 97,168 | | | 97,168 | 1.3% | 1.4% | 278,315 | | | 278,315 | 1.2% | 1.4% | -6.0% |
| Bars-Hot Rolled | 14 | 257,846 | 68,053 | 5,508 | 331,407 | 4.3% | 4.9% | 820,693 | 194,661 | 15,167 | 1,030,521 | 4.6% | 5.1% | -5.0% |
| -Bar-Size Light Shapes | 14A | 145,745 | | | 145,745 | 1.9% | 1.8% | 531,709 | | | 531,709 | 2.3% | 2.0% | 24.2% |
| -Reinforcing | 15 | 534,614 | | | 534,614 | 6.9% | 7.0% | 1,701,549 | | | 1,701,549 | 7.5% | 7.5% | 5.9% |
| -Cold Finished | 16 | 30,450 | 22,320 | 5,774 | 58,544 | 0.8% | 1.1% | 131,842 | 66,234 | 16,829 | 214,905 | 0.9% | 1.1% | -11.1% |
| Total Bars | | 968,655 | 90,373 | 11,282 | 1,070,310 | 13.9% | 14.7% | 3,185,793 | 260,895 | 31,996 | 3,478,684 | 15.4% | 15.7% | 3.5% |
| Tool Steel | 17 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | #DIV/0! |
| Standard Pipe | 18** | 40,531 | | | 40,531 | 0.5% | 0.4% | 122,272 | | | 122,272 | 0.5% | 0.4% | 29.6% |
| Oil Country Goods | 19 | 78,196 | 73,782 | | 151,978 | 2.0% | 0.8% | 202,819 | 201,615 | | 404,434 | 1.8% | 1.1% | 79.0% |
| Line Pipe | 20** | 42,428 | | | 42,428 | 0.6% | 0.7% | 123,245 | | | 123,245 | 0.5% | 0.6% | -9.4% |
| Mechanical Tubing | 21A | 36,172 | 11,549 | | 47,721 | 0.6% | 0.7% | 98,086 | 31,648 | | 129,734 | 0.6% | 0.6% | -1.0% |
| Pressure Tubing | 21B | 1,827 | | | 1,827 | 0.0% | 0.0% | 5,217 | | | 5,217 | 0.0% | 0.0% | 32.1% |
| Structural Pipe and Tubing | 22A | 38,623 | | | 38,623 | 0.5% | 0.0% | 67,677 | | | 67,677 | 0.3% | 0.0% | 1469.5% |
| Pipe for Piling | 22B | 5,770 | | | 5,770 | 0.1% | 0.0% | 10,612 | | | 10,612 | 0.0% | 0.0% | n/a |
| Stainless Pipe and Tubing | 21C&D | | | 1,377 | 1,377 | 0.0% | 0.0% | | | 3,920 | 3,920 | 0.0% | 0.0% | -17.4% |
| Total Pipe and Tubing | | 243,547 | 85,331 | 1,377 | 330,255 | 4.3% | 2.7% | 629,928 | 233,263 | 3,920 | 867,111 | 3.8% | 2.8% | 44.4% |
| Wire-Drawn and/or Rolled | 23 | 37,783 | | *** | 37,783 | 0.5% | 0.4% | 120,599 | | *** | 120,599 | 0.5% | 0.5% | 23.6% |
| Black Plate | 28 | 3,855 | | | 3,855 | 0.1% | 0.0% | 11,195 | | | 11,195 | 0.0% | 0.0% | 67.8% |
| Tin Plate | 29 | 86,223 | | | 86,223 | 1.1% | 1.4% | 229,835 | | | 229,835 | 1.0% | 1.3% | -16.4% |
| Tin Free Steel | 29A | 17,440 | | | 17,440 | 0.2% | 0.3% | 67,246 | | | 67,246 | 0.3% | 0.3% | 3.8% |
| Tin Coated Sheets | 30 | 5,644 | | | 5,644 | 0.1% | 0.1% | 17,857 | | | 17,857 | 0.1% | 0.1% | -6.2% |
| Total Tin Mill Products | | 113,162 | | | 113,162 | 1.5% | 1.8% | 326,133 | | | 326,133 | 1.4% | 1.7% | -10.7% |
| Sheets-Hot Rolled | 31 | 1,967,844 | 23,683 | 38,851 | 2,030,378 | 26.4% | 24.7% | 5,525,229 | 71,253 | 95,009 | 5,691,491 | 25.1% | 24.6% | 8.3% |
| -Cold Rolled | 32** | 839,082 | | 130,750 | 969,832 | 12.6% | 12.8% | 2,477,944 | | 361,214 | 2,839,158 | 12.5% | 11.9% | 11.4% |
| Sheets & Strip Galv. (Hot Dipped) | 33A | 1,388,997 | | | 1,388,997 | 18.1% | 18.7% | 4,042,347 | | | 4,042,347 | 17.9% | 18.5% | 2.4% |
| -Galvanized (Electrolytic) | 33B | 67,468 | | | 67,468 | 0.9% | 1.1% | 195,471 | | | 195,471 | 0.9% | 1.2% | -22.7% |
| -All Other Metallic Coated | 34 | 166,204 | | | 166,204 | 2.2% | 1.9% | 430,944 | | | 430,944 | 1.9% | 1.8% | 10.1% |
| Electrical Sheets and Strip | 35 | | | | | 0.0% | 0.0% | | | | | 0.0% | 0.0% | #DIV/0! |
| Strip-Hot Rolled | 36** | 3,362 | | 499 | 3,861 | 0.1% | 0.0% | 10,531 | | 1,317 | 11,848 | 0.1% | 0.0% | 11.9% |
| -Cold Rolled | 37 | 5,750 | 10,074 | 28,837 | 44,661 | 0.6% | 0.5% | 17,250 | 23,095 | 79,282 | 119,627 | 0.5% | 0.5% | 5.7% |
| Total Sheets and Strip | | 4,438,707 | 33,757 | 198,937 | 4,671,401 | 60.7% | 59.9% | 12,699,716 | 94,348 | 536,822 | 13,330,886 | 58.9% | 58.6% | 6.5% |
| TOTAL SHIPMENTS 2017 | | 7,177,716 | 261,152 | 253,566 | 7,692,434 | 100.0% | XXX | 21,238,848 | 712,352 | 681,991 | 22,633,191 | 100.0% | XXX | 6.0% |
| Total Shipments - Prior Year 2016 | | 6,980,721 | 185,759 | 210,912 | 7,377,392 | 100.0% | XXX | 20,204,575 | 537,258 | 606,308 | 21,348,141 | 100.0% | XXX | XXX |

*Includes revisions for previous months.

**Some Alloy included in Carbon due to disclosure.

*** Not included due to disclosure

Attachment 3

U.S. Imports of Steel Mill Products

FOR All Steel Mill Products

Quantity in Short Tons (converted from Metric Tons reported in Steel Import Monitor)

| Country | Census Data | | | | | | | | | |
|--------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------------------|---------------------------------------|
| | Annual Total Quantity 2009 | Annual Total Quantity 2010 | Annual Total Quantity 2011 | Annual Total Quantity 2012 | Annual Total Quantity 2013 | Annual Total Quantity 2014 | Annual Total Quantity 2015 | Annual Total Quantity 2016 | Total Quantity YTD Jan through Mar-16 | Total Quantity YTD Jan through Mar-17 |
| WORLD | 16,214,753 | 23,928,925 | 28,514,991 | 33,474,247 | 32,150,570 | 44,337,642 | 38,738,787 | 33,021,178 | 7,525,158 | 8,955,021 |
| CANADA | 4,272,011 | 6,642,482 | 6,031,468 | 5,758,154 | 5,480,046 | 6,049,922 | 5,781,534 | 5,642,904 | 1,418,455 | 1,602,296 |
| BRAZIL | 720,801 | 995,355 | 3,108,929 | 3,959,404 | 4,163,875 | 5,030,784 | 5,323,606 | 4,364,404 | 894,558 | 1,163,277 |
| KOREA | 1,322,641 | 2,041,041 | 2,837,525 | 3,677,874 | 3,811,404 | 5,475,731 | 4,852,500 | 3,812,179 | 898,189 | 890,861 |
| MEXICO | 1,748,267 | 2,821,805 | 2,890,421 | 2,704,262 | 3,191,710 | 3,708,766 | 2,758,990 | 3,001,820 | 696,262 | 826,309 |
| TURKEY | 491,540 | 581,533 | 733,362 | 1,346,593 | 1,204,179 | 2,198,659 | 2,822,601 | 2,415,741 | 728,745 | 801,079 |
| JAPAN | 1,222,046 | 1,482,285 | 2,010,906 | 2,604,926 | 2,500,594 | 2,686,395 | 2,652,892 | 2,147,191 | 521,975 | 504,604 |
| RUSSIA | 542,185 | 1,375,310 | 1,381,947 | 2,404,300 | 1,855,765 | 4,690,131 | 2,118,667 | 2,061,719 | 275,315 | 647,867 |
| GERMANY | 496,054 | 1,196,616 | 1,074,444 | 1,335,629 | 1,120,793 | 1,311,883 | 1,560,723 | 1,223,662 | 277,246 | 251,011 |
| TAIWAN | 370,884 | 536,093 | 647,368 | 833,126 | 761,781 | 1,187,969 | 1,202,983 | 1,083,831 | 156,811 | 305,128 |
| VIETNAM | 26,417 | 43,568 | 132,396 | 297,288 | 275,176 | 153,399 | 221,801 | 960,272 | 189,388 | 249,484 |
| CHINA | 1,466,019 | 860,891 | 1,239,377 | 1,659,789 | 1,906,331 | 3,197,018 | 2,382,182 | 869,861 | 243,659 | 193,820 |
| NETHERLANDS | 374,571 | 554,005 | 570,544 | 634,522 | 721,724 | 947,857 | 822,041 | 732,354 | 131,955 | 106,950 |
| ITALY | 350,849 | 425,196 | 293,561 | 703,378 | 551,873 | 745,005 | 612,604 | 445,632 | 70,877 | 80,845 |
| UNITED KINGDOM | 225,361 | 400,009 | 440,296 | 615,702 | 504,170 | 1,418,693 | 834,217 | 362,526 | 79,355 | 65,320 |
| FRANCE | 204,994 | 258,323 | 300,161 | 287,511 | 348,995 | 482,881 | 542,619 | 357,273 | 95,424 | 38,410 |
| INDIA | 581,564 | 776,370 | 799,404 | 799,654 | 732,532 | 1,110,680 | 866,282 | 350,990 | 78,661 | 210,254 |
| AUSTRALIA | 285,018 | 558,749 | 814,282 | 290,141 | 147,801 | 277,785 | 330,844 | 325,330 | 156,313 | 70,289 |
| SPAIN | 136,844 | 226,196 | 215,697 | 216,533 | 233,620 | 409,719 | 303,989 | 322,826 | 74,578 | 66,665 |
| SWEDEN | 165,104 | 278,503 | 295,142 | 326,551 | 269,616 | 318,048 | 272,901 | 309,718 | 67,956 | 72,299 |
| SOUTH AFRICA | 32,594 | 120,502 | 135,634 | 95,119 | 76,435 | 163,817 | 185,072 | 220,501 | 47,921 | 67,651 |
| UKRAINE | 50,419 | 129,707 | 358,677 | 260,393 | 130,540 | 121,371 | 169,280 | 214,710 | 54,473 | 78,442 |
| BELGIUM | 105,745 | 102,754 | 89,358 | 128,298 | 136,054 | 194,365 | 132,504 | 212,829 | 30,987 | 26,904 |
| AUSTRIA | 135,998 | 208,229 | 309,831 | 316,381 | 273,814 | 313,548 | 198,674 | 185,818 | 49,131 | 64,599 |
| LUXEMBOURG | 123,299 | 205,943 | 188,540 | 175,163 | 226,012 | 312,823 | 204,612 | 183,881 | 39,892 | 46,246 |
| UNITED ARAB | 20,450 | 38,148 | 69,530 | 45,551 | 65,219 | 108,318 | 172,043 | 174,814 | 36,966 | 79,198 |
| THAILAND | 56,128 | 44,996 | 79,567 | 190,459 | 105,983 | 95,271 | 111,757 | 154,698 | 32,867 | 114,053 |
| GREECE | 62,722 | 40,491 | 68,453 | 130,289 | 53,028 | 48,589 | 226,274 | 115,740 | 21,906 | 1,518 |
| CZECH REPUBLIC | 94,458 | 155,041 | 208,177 | 234,394 | 170,755 | 214,479 | 123,343 | 94,246 | 16,806 | 22,262 |
| ARGENTINA | 82,276 | 140,717 | 183,929 | 207,400 | 297,178 | 218,238 | 118,765 | 89,186 | 1,626 | 46,722 |
| FINLAND | 64,058 | 94,775 | 33,854 | 56,151 | 79,101 | 126,288 | 37,683 | 52,809 | 8,107 | 9,061 |
| BELARUS | 7,186 | 24,732 | 26,812 | 42,477 | 54,516 | 81,597 | 47,625 | 44,882 | 12,893 | 19,643 |
| ROMANIA | 34,485 | 98,173 | 104,555 | 147,480 | 106,835 | 133,935 | 93,557 | 44,478 | 18,243 | 13,793 |
| NEW ZEALAND | 53,319 | 100,410 | 133,722 | 109,810 | 140,885 | 118,584 | 132,739 | 40,599 | 28,138 | 7,546 |
| MALAYSIA | 54,781 | 16,501 | 43,008 | 56,165 | 16,508 | 8,756 | 39,547 | 30,776 | 5,153 | 18,244 |
| DOMINICAN REPUBLIC | 41,082 | 37,106 | 89,316 | 50,271 | 37,483 | 21,867 | 15,643 | 29,951 | 5,564 | 9,717 |
| OMAN | 18,986 | 33,977 | 36,538 | 48,553 | 46,326 | 68,980 | 46,295 | 28,299 | 4,721 | 11,487 |
| PAKISTAN | 562 | 2,208 | 3,666 | 26,106 | 12,725 | 23,973 | 30,060 | 26,757 | 7,834 | 8,588 |
| PERU | 855 | 886 | 971 | 1,614 | 12,322 | 53,974 | 19,388 | 26,740 | 110 | 17,749 |
| SLOVENIA | 7,306 | 11,849 | 14,621 | 16,967 | 18,421 | 24,661 | 26,737 | 24,266 | 6,993 | 7,929 |
| PORTUGAL | 1,806 | 2,687 | 2,603 | 4,383 | 10,821 | 17,559 | 6,745 | 23,370 | 4,917 | 24,698 |
| COLOMBIA | 26,042 | 50,632 | 64,089 | 61,166 | 16,862 | 22,237 | 16,515 | 19,134 | 2,480 | 10,811 |
| PHILIPPINES | 63 | 6,283 | 57,216 | 106,919 | 106,523 | 88,468 | 62,019 | 18,659 | 5,855 | 10,847 |
| SWITZERLAND | 8,261 | 13,009 | 15,492 | 21,258 | 12,600 | 16,932 | 15,850 | 17,327 | 3,837 | 3,416 |
| INDONESIA | 9,215 | 32,327 | 51,454 | 39,545 | 8,573 | 9,190 | 8,168 | 16,257 | 2,424 | 7,508 |
| GUATEMALA | 319 | 2,253 | 2,877 | 4,468 | 5,119 | 3,455 | 4,417 | 15,874 | 1,764 | 4,696 |

| Country | Census Data | | | | | | | | | |
|---------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------------------|---------------------------------------|
| | Annual Total Quantity 2009 | Annual Total Quantity 2010 | Annual Total Quantity 2011 | Annual Total Quantity 2012 | Annual Total Quantity 2013 | Annual Total Quantity 2014 | Annual Total Quantity 2015 | Annual Total Quantity 2016 | Total Quantity YTD Jan through Mar-16 | Total Quantity YTD Jan through Mar-17 |
| KAZAKHSTAN | | | 1,086 | | 5,877 | 16,143 | 1,532 | 14,604 | | 240 |
| SAUDI ARABIA | 1,171 | 15,356 | 89,371 | 90,238 | 82,874 | 82,258 | 111,648 | 13,114 | 2,075 | 11,236 |
| EGYPT | | | | 457 | | 28,551 | 21 | 11,038 | 65 | 27,887 |
| MACEDONIA (SKOPJE) | | | 5,507 | 22,095 | | 30,328 | 9,232 | 10,245 | | |
| NORWAY | 9,964 | 6,549 | 369 | 898 | 10,106 | 9,836 | 10,861 | 10,007 | 1,496 | 5,034 |
| SERBIA | | | | | | | 279 | 9,411 | 3 | 8,602 |
| DENMARK | 117 | 210 | 6,143 | 2,651 | 1,976 | 9,080 | 16,119 | 8,611 | 260 | 6,382 |
| VENEZUELA | 76,454 | 47,679 | 33,269 | 11,519 | | 21 | 30,347 | 8,275 | 8,275 | 4,410 |
| HONG KONG | 497 | 147 | 471 | 1,608 | 1,080 | 11,810 | 10,823 | 7,790 | 171 | 116 |
| COSTA RICA | 640 | 775 | 995 | 2,166 | 2,496 | 4,304 | 2,173 | 7,597 | 1,053 | 4,302 |
| SLOVAKIA | 1,925 | 5,936 | 84,492 | 258,065 | 10,197 | 84,130 | 6,619 | 6,300 | 1,267 | 1,820 |
| POLAND | 17,132 | 39,810 | 27,778 | 38,222 | 21,398 | 3,526 | 12,750 | 6,031 | 1,767 | 1,639 |
| SINGAPORE | 1,390 | 287 | 2,167 | 347 | 702 | 6,767 | 749 | 3,275 | 417 | 230 |
| BULGARIA | | | | 23 | 1 | 28,623 | 4,645 | 2,870 | | 0.09 |
| EL SALVADOR | | 52 | | | 22 | 299 | 1,072 | 1,156 | 237 | 74 |
| ECUADOR | 217 | 1,648 | 1,881 | 1,021 | 155 | 183 | 178 | 822 | 26 | 60 |
| TUNISIA | | | | 572 | 90 | | 21 | 776 | 86 | 177 |
| PANAMA | | | | 1,102 | 1,221 | 1,150 | 2,457 | 653 | 243 | 6 |
| IRELAND | 281 | 251 | 158 | 189 | 215 | 304 | 376 | 536 | 108 | 125 |
| HONDURAS | | | | | 63 | 479 | 185 | 349 | 26 | 136 |
| JORDAN | | | | | | | | 319 | | |
| ISRAEL | 8,296 | 8,556 | 27,330 | 4,000 | 501 | 53 | 62 | 140 | 13 | 8 |
| CHILE | 368 | 13 | 315 | 9 | 35 | 581 | 578 | 127 | 62 | 2,048 |
| LATVIA | 169 | | | | | 67 | 316 | 125 | 110 | 16 |
| HUNGARY | 6 | 17 | 56 | 94 | 34 | 89 | 153 | 62 | 13 | 23 |
| CAMBODIA | | | | | | | | 47 | 13 | 12 |
| BAHRAIN | | 413 | 233 | 80 | 58 | 23 | 24 | 9 | 9 | 50 |
| LIECHTENSTEIN | | | | 18 | | | | 9 | | |
| SEYCHELLES | | | | | | | | 6 | | |
| KENYA | | | | | | | | 4 | | |
| TANZANIA | | | | | | | | 2 | 2 | |
| TRINIDAD AND TOBAGO | | | | 861 | 8,129 | 5,659 | 5,672 | 1 | | 97 |
| BAHAMAS | | | | | 481 | | | 1 | 1 | |
| ICELAND | | | | | | | | 1 | | |
| MACAO | | | | | | | | 1 | 1 | |
| SRI LANKA | | | | | | | 3 | 0.32 | | |
| ESTONIA | | | | | | 403 | | 0.17 | 0.17 | 12 |
| QATAR | | | | | | | | 0.08 | | |
| ALGERIA | | | 42 | | | | | | | |
| ANGOLA | | | | | | | 2 | | | 0.21 |
| BURMA (MYANMAR) | | | | | | | | | | 152 |
| CROATIA | 1 | 23,512 | 35,116 | 4,415 | 18 | 269 | 553 | | | |
| CYPRUS | | | | | | | 6 | | | |
| GEORGIA | | | | | 163 | 3 | | | | |
| IRAQ | | | | | | | 3 | | | |
| KYRGYZSTAN | | 6 | | | | | | | | |
| LITHUANIA | | | 19 | | | | | | | |
| MAURITANIA | | | | | 1 | | | | | |
| MOLDOVA | | | | | 24 | | | | | |
| MOROCCO | | | | | | | 3 | | | |

| Country | Census Data | | | | | | | | | |
|-----------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------------------|---------------------------------------|
| | Annual Total Quantity 2009 | Annual Total Quantity 2010 | Annual Total Quantity 2011 | Annual Total Quantity 2012 | Annual Total Quantity 2013 | Annual Total Quantity 2014 | Annual Total Quantity 2015 | Annual Total Quantity 2016 | Total Quantity YTD Jan through Mar-16 | Total Quantity YTD Jan through Mar-17 |
| MOZAMBIQUE | 400 | 8,978 | 8,401 | 1,246 | | | | | | |
| NAURU | | | | 1 | | | | | | |
| NICARAGUA | | | 43 | | | | | | | |
| NIGERIA | | | | | | 65 | | | | |
| SAO TOME AND PRINCIPE | | | | | | 1 | | | | |
| SURINAME | | | | 209 | | | | | | |
| SYRIA | 58 | 21 | | | | | | | | |
| URUGUAY | 56 | 15 | | | | | | | | |

Attachment 4

U.S. Imports of Steel Mill Products

FROM WORLD

Quantity in Short Tons (converted from Metric Tons reported in Steel Import Monitor)

C & A = Carbon and Alloy products; S = Stainless products

| Product | Census Data | | | | | | | | | |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------------------|---------------------------------------|
| | Annual Total Quantity 2009 | Annual Total Quantity 2010 | Annual Total Quantity 2011 | Annual Total Quantity 2012 | Annual Total Quantity 2013 | Annual Total Quantity 2014 | Annual Total Quantity 2015 | Annual Total Quantity 2016 | Total Quantity YTD Jan through Mar-16 | Total Quantity YTD Jan through Mar-17 |
| All Steel Mill Products | | | | | | | | | | |
| All Steel Mill Products | 16,214,753 | 23,928,925 | 28,514,991 | 33,474,247 | 32,150,570 | 44,337,642 | 38,738,787 | 33,021,178 | 7,525,158 | 8,955,021 |
| Carbon and Alloy Products | | | | | | | | | | |
| All Carbon and Alloy Products | 15,597,516 | 22,993,274 | 27,404,286 | 32,213,751 | 31,084,429 | 43,123,457 | 37,595,597 | 31,999,073 | 7,276,137 | 8,681,448 |
| Blooms, Billets and Slabs -- C & A | 1,945,140 | 4,913,340 | 6,508,777 | 7,442,852 | 7,166,835 | 10,392,644 | 7,143,008 | 6,535,939 | 1,064,952 | 1,954,817 |
| Sheets & Strip Galv Hot Dipped -- C & A | 1,033,034 | 1,420,671 | 1,461,910 | 2,002,238 | 2,077,145 | 3,313,235 | 3,355,496 | 3,098,033 | 682,651 | 837,477 |
| Sheets Hot Rolled -- C & A | 1,725,742 | 2,362,660 | 2,625,078 | 2,722,706 | 2,923,801 | 4,303,920 | 3,848,904 | 2,877,541 | 809,551 | 441,357 |
| Sheets Cold Rolled -- C & A | 958,431 | 912,475 | 1,085,982 | 1,304,346 | 1,299,355 | 2,575,906 | 2,300,177 | 2,202,097 | 428,485 | 652,031 |
| Bars-Reinforcing -- C & A | 419,422 | 516,572 | 655,052 | 975,513 | 1,179,799 | 1,432,163 | 2,005,414 | 2,108,314 | 562,570 | 627,532 |
| Wire Rods -- C & A | 750,315 | 1,296,099 | 991,188 | 1,069,698 | 851,639 | 1,590,048 | 1,552,564 | 1,568,777 | 400,176 | 406,791 |
| Line Pipe -- C & A | 1,599,637 | 1,488,627 | 1,963,984 | 2,761,198 | 2,352,746 | 2,333,399 | 2,518,383 | 1,357,096 | 366,288 | 440,744 |
| Plates in Coils -- C & A | 696,640 | 978,839 | 1,269,466 | 1,444,326 | 1,118,114 | 2,207,423 | 1,988,909 | 1,326,393 | 329,354 | 265,691 |
| Plates Cut Lengths -- C & A | 492,864 | 695,250 | 1,085,371 | 1,286,668 | 897,138 | 1,770,106 | 1,478,897 | 1,158,180 | 320,434 | 155,884 |
| Bars-Hot rolled -- C & A | 655,374 | 1,019,469 | 1,287,381 | 1,508,324 | 1,775,446 | 1,619,487 | 1,446,774 | 1,148,166 | 270,080 | 289,583 |
| Oil Country Goods -- C & A | 1,556,144 | 2,346,152 | 2,875,208 | 3,591,172 | 3,268,898 | 3,984,261 | 2,210,533 | 1,136,956 | 258,876 | 648,282 |
| Sheets & Strip All Other Metallic Coat -- C & A | 298,066 | 413,532 | 532,526 | 662,206 | 719,937 | 1,020,903 | 1,053,740 | 1,033,652 | 208,056 | 292,851 |
| Tin Plate -- C & A | 322,951 | 506,432 | 403,004 | 470,797 | 537,384 | 698,155 | 769,811 | 886,945 | 187,591 | 227,377 |
| Structural Shapes Heavy -- C & A | 369,940 | 519,828 | 510,147 | 479,777 | 569,378 | 911,288 | 905,767 | 873,230 | 228,565 | 186,066 |
| Wire Drawn -- C & A | 454,508 | 586,738 | 589,400 | 635,601 | 664,433 | 758,135 | 836,097 | 841,452 | 210,150 | 199,990 |
| Standard Pipe -- C & A | 593,402 | 777,591 | 832,133 | 966,708 | 873,993 | 907,207 | 1,023,252 | 835,321 | 226,200 | 292,103 |
| Structural Pipe & Tube -- C & A | 254,147 | 310,974 | 377,520 | 390,986 | 420,438 | 513,870 | 504,761 | 526,313 | 126,065 | 146,625 |
| Mechanical Tubing -- C & A | 332,657 | 425,791 | 616,360 | 658,315 | 585,664 | 747,531 | 577,168 | 515,552 | 117,348 | 145,790 |
| Rails Standard -- C & A | 249,018 | 252,591 | 251,478 | 282,768 | 336,222 | 325,572 | 284,191 | 279,056 | 75,190 | 70,035 |
| Bars-Cold Finished -- C & A | 129,497 | 186,559 | 277,481 | 276,761 | 220,091 | 266,445 | 246,248 | 216,818 | 57,197 | 55,512 |
| Tin Free Steel -- C & A | 85,863 | 148,203 | 145,925 | 135,092 | 172,158 | 182,543 | 172,323 | 214,257 | 46,174 | 48,644 |
| Bars-Light Shaped -- C & A | 79,157 | 100,972 | 101,891 | 167,575 | 157,774 | 188,443 | 174,911 | 174,109 | 36,852 | 41,046 |
| Sheets & Strip Galv Electrolyt -- C & A | 93,277 | 100,194 | 96,856 | 99,728 | 115,269 | 155,832 | 126,931 | 163,566 | 30,127 | 31,205 |
| Strip-Hot Rolled -- C & A | 43,749 | 42,985 | 66,083 | 114,475 | 80,219 | 108,013 | 146,476 | 156,755 | 40,133 | 42,877 |
| Tool Steel -- C & A | 56,870 | 134,939 | 171,672 | 175,494 | 150,773 | 175,407 | 196,550 | 153,048 | 39,828 | 37,532 |
| Strip-Cold Rolled -- C & A | 96,912 | 115,736 | 113,756 | 123,286 | 145,037 | 137,258 | 150,657 | 146,947 | 33,828 | 38,872 |
| Black Plate -- C & A | 41,599 | 34,611 | 44,301 | 42,515 | 42,598 | 81,504 | 148,332 | 109,542 | 30,231 | 17,272 |
| Steel Piling -- C & A | 54,399 | 84,766 | 104,143 | 88,747 | 126,949 | 148,063 | 138,943 | 91,887 | 30,167 | 22,938 |
| Rails All Other -- C & A | 29,650 | 30,856 | 48,464 | 57,320 | 36,110 | 38,715 | 76,023 | 68,539 | 5,624 | 5,611 |
| Sheets & Strip-Electrical -- C & A | 65,612 | 94,296 | 113,681 | 118,613 | 95,424 | 74,125 | 76,424 | 65,954 | 17,391 | 22,502 |
| Pressure Tubing -- C & A | 62,625 | 85,714 | 133,371 | 100,378 | 62,153 | 74,952 | 68,565 | 48,611 | 11,762 | 13,347 |
| Ingot and Steel for Castings -- C & A | 13,801 | 47,078 | 26,048 | 21,985 | 18,290 | 36,136 | 18,300 | 25,762 | 8,700 | 6,206 |
| Pipe & Tubing Nonclassified -- C & A | 14,298 | 24,085 | 19,240 | 16,970 | 18,801 | 25,648 | 16,042 | 22,651 | 6,202 | 4,468 |
| Pipe For Piling -- C & A | 15,809 | 15,094 | 14,597 | 13,586 | 16,532 | 16,919 | 23,199 | 21,723 | 4,970 | 11,315 |
| Railroad Accessories -- C & A | 6,948 | 3,535 | 5,798 | 5,010 | 7,865 | 8,179 | 11,812 | 9,876 | 4,352 | 1,058 |
| Stainless Products | | | | | | | | | | |
| All Stainless Products | 559,953 | 848,817 | 1,007,624 | 1,143,515 | 967,196 | 1,101,500 | 1,037,094 | 927,247 | 225,911 | 248,184 |
| Sheets Cold Rolled -- S | 162,514 | 280,211 | 278,231 | 287,231 | 246,835 | 342,665 | 341,700 | 303,867 | 69,505 | 75,125 |
| Stainless Pipe & Tubing -- S | 81,296 | 99,653 | 115,120 | 130,792 | 117,843 | 144,234 | 128,453 | 118,373 | 28,799 | 31,941 |
| Blooms, Billets and Slabs -- S | 62,914 | 83,164 | 105,133 | 147,658 | 106,724 | 130,471 | 108,139 | 103,439 | 20,696 | 38,490 |
| Bars-Cold Finished -- S | 51,283 | 74,085 | 98,158 | 99,567 | 86,991 | 106,040 | 114,110 | 84,581 | 21,095 | 23,881 |
| Strip-Cold Rolled -- S | 23,768 | 39,433 | 41,004 | 37,079 | 36,018 | 50,280 | 58,588 | 65,550 | 15,568 | 15,068 |
| Plates Cut Lengths -- S | 33,884 | 49,077 | 75,629 | 95,414 | 108,391 | 84,465 | 63,439 | 63,302 | 18,807 | 14,470 |
| Wire Drawn -- S | 28,838 | 40,644 | 42,094 | 43,838 | 44,425 | 48,522 | 47,298 | 44,505 | 11,580 | 12,577 |
| Bars-Hot rolled -- S | 17,243 | 26,913 | 34,596 | 35,863 | 31,175 | 36,353 | 35,420 | 35,454 | 6,717 | 10,627 |
| Wire Rods -- S | 11,855 | 19,648 | 21,691 | 24,248 | 24,429 | 31,474 | 33,388 | 22,517 | 7,046 | 6,859 |
| Sheets Hot Rolled -- S | 12,200 | 31,545 | 35,340 | 84,225 | 52,534 | 32,810 | 22,411 | 20,358 | 6,422 | 2,473 |

| Product | Census Data | | | | | | | | | |
|------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------------------|---------------------------------------|
| | Annual Total Quantity 2009 | Annual Total Quantity 2010 | Annual Total Quantity 2011 | Annual Total Quantity 2012 | Annual Total Quantity 2013 | Annual Total Quantity 2014 | Annual Total Quantity 2015 | Annual Total Quantity 2016 | Total Quantity YTD Jan through Mar-16 | Total Quantity YTD Jan through Mar-17 |
| Oil Country Goods -- S | 41,698 | 34,316 | 30,190 | 25,850 | 18,901 | 27,474 | 26,456 | 14,086 | 7,228 | 3,364 |
| Line Pipe -- S | 3,359 | 1,814 | 9,306 | 12,027 | 12,635 | 20,940 | 20,151 | 13,199 | 2,811 | 4,508 |
| Plates in Coils -- S | 12,926 | 39,482 | 82,012 | 88,735 | 52,372 | 20,207 | 12,625 | 12,772 | 2,455 | 3,678 |
| Bars-Light Shaped -- S | 6,351 | 7,154 | 8,323 | 6,759 | 6,284 | 8,085 | 8,430 | 9,304 | 3,429 | 725 |
| Ingots and Steel for Castings -- S | 7,269 | 18,146 | 27,095 | 19,141 | 17,033 | 13,279 | 11,694 | 6,638 | 1,146 | 3,279 |
| Structural Pipe & Tube -- S | | 29 | 148 | 502 | 254 | 448 | 644 | 3,887 | 908 | 311 |
| Strip-Hot Rolled -- S | 1,210 | 1,529 | 1,495 | 2,424 | 2,333 | 1,758 | 1,818 | 3,115 | 899 | 589 |
| Structural Shapes Heavy -- S | 1,337 | 1,966 | 2,053 | 2,154 | 2,012 | 1,986 | 2,321 | 2,291 | 794 | 212 |

Attachment 5



ANTIDUMPING AND COUNTERVALUING DUTY ORDERS IN PLACE

AS OF MAY 11, 2017

| Key to ITC case number: | |
|-------------------------|---|
| AA | = Antidumping Act of 1921 |
| A | = Section 731 of the Tariff Act of 1930 (antidumping) |
| C | = Section 701 of the Tariff Act of 1930 (countervailing duty) |
| C4 | = Section 104 of the Trade Agreements Act of 1979 (countervailing duty) |
| C-None | = No Commission investigation (countervailing duty) |

| Key to product group: | |
|--|---|
| AG = Agricultural, forest, and processed food products | MM = Metals and minerals |
| CH = Chemicals and pharmaceuticals | MSC = Miscellaneous manufactured products |
| ISM=Iron & steel: Mill products | PRSG= Plastics, rubber, stone, and glass products |
| ISO=Iron & steel: Other products & castings | TR = Transportation |
| ISP=Iron & steel: Pipe products | TX = Textiles and apparel |
| ME = Machinery and electronic/scientific equipment | |

| Order date | Continued date | ITC case No. | DOC case No. | AD/CVD | Review Sequence Group No. | Product Group | Product | Country | Column2 | Column3 | Fed Reg |
|------------|----------------|--------------|--------------|--------|---------------------------|---------------|--|--------------|---------|---------|-------------|
| 05/07/1984 | 07/17/2012 | A-132 | A-583-008 | A | 72 | ISP | Small diameter carbon steel pipe | Taiwan | | | 77 FR 41967 |
| 03/07/1986 | 07/17/2012 | C-253 | C-489-502 | C | 72 | ISP | Welded carbon steel pipe | Turkey | | | 77 FR 41967 |
| 03/11/1986 | 07/17/2012 | A-252 | A-549-502 | A | 72 | ISP | Welded carbon steel pipe | Thailand | | | 77 FR 41967 |
| 05/12/1986 | 07/17/2012 | A-271 | A-533-502 | A | 72 | ISP | Welded carbon steel pipe | India | | | 77 FR 41967 |
| 05/15/1986 | 07/17/2012 | A-273 | A-489-501 | A | 72 | ISP | Welded carbon steel pipe | Turkey | | | 75 FR 70900 |
| 03/27/1989 | 02/02/2012 | A-410 | A-583-803 | A | 72 | ISP | Light-walled rectangular tube | Taiwan | | | 77 FR 5240 |
| 11/02/1992 | 07/17/2012 | A-532 | A-351-809 | A | 72 | ISP | Circular welded nonalloy steel pipe | Brazil | | | 77 FR 41967 |
| 11/02/1992 | 07/17/2012 | A-533 | A-580-809 | A | 72 | ISP | Circular welded nonalloy steel pipe | Korea | | | 77 FR 41967 |
| 11/02/1992 | 07/17/2012 | A-534 | A-201-805 | A | 72 | ISP | Circular welded nonalloy steel pipe | Mexico | | | 77 FR 41967 |
| 11/02/1992 | 07/17/2012 | A-536 | A-583-814 | A | 72 | ISP | Circular welded nonalloy steel pipe | Taiwan | | | 77 FR 41967 |
| 12/30/1992 | 12/19/2011 | A-540 | A-580-810 | A | 76 | ISP | Welded ASTM A-312 stainless steel pipe | Korea | | | 76 FR 78614 |
| 12/30/1992 | 12/19/2011 | A-541 | A-583-815 | A | 76 | ISP | Welded ASTM A-312 stainless steel pipe | Taiwan | | | 76 FR 78614 |
| 12/01/1993 | 01/23/2012 | A-638 | A-533-808 | A | 65 | ISM | Stainless steel wire rod | India | | | 77 FR 3231 |
| 02/21/1995 | 08/09/2012 | A-678 | A-351-825 | A | 85 | ISM | Stainless steel bar | Brazil | | | 77 FR 47595 |
| 02/21/1995 | 08/09/2012 | A-679 | A-533-810 | A | 85 | ISM | Stainless steel bar | India | | | 77 FR 47595 |
| 02/21/1995 | 08/09/2012 | A-681 | A-588-833 | A | 85 | ISM | Stainless steel bar | Japan | | | 77 FR 47595 |
| 03/02/1995 | 08/09/2012 | A-682 | A-469-805 | A | 85 | ISM | Stainless steel bar | Spain | | | 77 FR 47595 |
| 08/03/1995 | 09/14/2012 | A-709 | A-428-820 | A | 90 | ISP | Seamless pipe | Germany | | | 77 FR 56809 |
| 07/02/1996 | 03/22/2007 | A-739 | A-588-838 | A | 96 | ISM | Clad steel plate | Japan | | | |
| 10/24/1997 | 12/12/2015 | A-753 | A-570-849 | A | 7 | ISM | Carbon steel plate | China | | | 80 FR 79306 |
| 10/24/1997 | 12/12/2015 | A-754 | A-821-808 | A | 7 | ISM | Carbon steel plate (Suspended) | Russia | | | 80 FR 79306 |
| 10/24/1997 | 12/12/2015 | A-756 | A-823-808 | A | 7 | ISM | Carbon steel plate (Suspended) | Ukraine | | | 80 FR 79306 |
| 09/15/1998 | 08/15/2016 | A-775 | A-583-828 | A | 10 | ISM | Stainless steel wire rod | Taiwan | | | 81 FR 54043 |
| 09/15/1998 | 08/15/2016 | A-772 | A-580-829 | A | 10 | ISM | Stainless steel wire rod | Korea | | | 81 FR 54043 |
| 09/15/1998 | 08/15/2016 | A-771 | A-588-843 | A | 10 | ISM | Stainless steel wire rod | Japan | | | 81 FR 54043 |
| 05/11/1999 | 01/09/2017 | C-379 | C-791-806 | C | 18 | ISM | Stainless steel plate in coils | South Africa | | | 82 FR 2322 |
| 05/21/1999 | 01/09/2017 | A-788 | A-423-808 | A | 18 | ISM | Stainless steel plate in coils | Belgium | | | 82 FR 2322 |
| 05/21/1999 | 01/09/2017 | A-792 | A-791-805 | A | 18 | ISM | Stainless steel plate in coils | South Africa | | | 82 FR 2322 |
| 05/21/1999 | 01/09/2017 | A-793 | A-583-830 | A | 18 | ISM | Stainless steel plate in coils | Taiwan | | | 82 FR 2322 |
| 07/12/1999 | 10/20/2016 | A-808 | A-821-809 | A | 24 | ISM | Hot-rolled carbon steel flat products | Russia | | | 81 FR 72569 |
| 07/27/1999 | 08/11/2011 | A-800 | A-588-845 | A | 25 | ISM | Stainless steel sheet & strip | Japan | | | 76 FR 49726 |
| 07/27/1999 | 08/11/2011 | A-801 | A-580-834 | A | 25 | ISM | Stainless steel sheet & strip | Korea | | | 76 FR 49726 |
| 07/27/1999 | 08/11/2011 | A-803 | A-583-831 | A | 25 | ISM | Stainless steel sheet & strip | Taiwan | | | 76 FR 49726 |
| 08/06/1999 | 08/11/2011 | C-382 | C-580-835 | C | 25 | ISM | Stainless steel sheet & strip | Korea | | | 76 FR 49726 |
| 02/10/2000 | 01/04/2012 | A-817 | A-533-817 | A | 40 | ISM | Carbon steel plate | India | | | 77 FR 264 |
| 02/10/2000 | 01/04/2012 | A-818 | A-560-805 | A | 40 | ISM | Carbon steel plate | Indonesia | | | 77 FR 264 |
| 02/10/2000 | 01/04/2012 | A-821 | A-580-836 | A | 40 | ISM | Carbon steel plate | Korea | | | 77 FR 264 |
| 02/10/2000 | 01/04/2012 | C-388 | C-533-818 | C | 40 | ISM | Carbon steel plate | India | | | 77 FR 264 |
| 02/10/2000 | 01/04/2012 | C-389 | C-560-806 | C | 40 | ISM | Carbon steel plate | Indonesia | | | 77 FR 264 |
| 02/10/2000 | 01/04/2012 | C-391 | C-580-837 | C | 40 | ISM | Carbon steel plate | Korea | | | 77 FR 264 |
| 06/26/2000 | 10/11/2011 | A-847-A | A-588-850 | A | 60 | ISP | Large diameter seamless pipe | Japan | | | 76 FR 62762 |
| 06/26/2000 | 10/11/2011 | A-847-B | A-588-851 | A | 60 | ISP | Small diameter seamless pipe | Japan | | | 76 FR 62762 |
| 08/10/2000 | 10/11/2011 | A-849 | A-485-805 | A | 60 | ISP | Small diameter seamless pipe | Romania | | | 76 FR 62762 |
| 08/28/2000 | 06/12/2012 | A-860 | A-588-854 | A | 74 | ISM | Tin mill products | Japan | | | 77 FR 34938 |
| 09/07/2001 | 07/22/2013 | A-873 | A-822-804 | A | 92 | ISM | Steel concrete reinforcing bar | Belarus | | | 78 FR 43858 |



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|------------|----------------|--------------|--------------|--------|---------------------------|---------------|---|-------------------|---------|---------|-------------|
| 09/07/2001 | 07/22/2013 | A-874 | A-570-860 | A | 92 | ISM | Steel concrete reinforcing bar | China | | | 78 FR 43858 |
| 09/07/2001 | 07/22/2013 | A-875 | A-560-811 | A | 92 | ISM | Steel concrete reinforcing bar | Indonesia | | | 78 FR 43858 |
| 09/07/2001 | 07/22/2013 | A-878 | A-449-804 | A | 92 | ISM | Steel concrete reinforcing bar | Latvia | | | 78 FR 43858 |
| 09/07/2001 | 07/22/2013 | A-879 | A-841-804 | A | 92 | ISM | Steel concrete reinforcing bar | Moldova | | | 78 FR 43858 |
| 09/07/2001 | 07/22/2013 | A-880 | A-455-803 | A | 92 | ISM | Steel concrete reinforcing bar | Poland | | | 78 FR 43858 |
| 09/07/2001 | 07/22/2013 | A-882 | A-823-809 | A | 92 | ISM | Steel concrete reinforcing bar | Ukraine | | | 78 FR 43858 |
| 11/29/2001 | 02/07/2014 | A-899 | A-570-865 | A | 93 | ISM | Hot-rolled carbon steel flat products | China | | | 79 FR 7425 |
| 11/29/2001 | 02/07/2014 | A-906 | A-583-835 | A | 93 | ISM | Hot-rolled carbon steel flat products | Taiwan | | | 79 FR 7425 |
| 11/29/2001 | 02/07/2014 | A-907 | A-549-817 | A | 93 | ISM | Hot-rolled carbon steel flat products | Thailand | | | 79 FR 7425 |
| 11/29/2001 | 02/07/2014 | A-908 | A-823-811 | A | 93 | ISM | Hot-rolled carbon steel flat products | Ukraine | | | 79 FR 7425 |
| 12/03/2001 | 02/07/2014 | A-900 | A-533-820 | A | 93 | ISM | Hot-rolled carbon steel flat products | India | | | 79 FR 7425 |
| 12/03/2001 | 02/07/2014 | A-901 | A-560-812 | A | 93 | ISM | Hot-rolled carbon steel flat products | Indonesia | | | 79 FR 7425 |
| 12/03/2001 | 02/07/2014 | C-405 | C-533-821 | C | 93 | ISM | Hot-rolled carbon steel flat products | India | | | 79 FR 7425 |
| 12/03/2001 | 02/07/2014 | C-406 | C-560-813 | C | 93 | ISM | Hot-rolled carbon steel flat products | Indonesia | | | 79 FR 7425 |
| 12/03/2001 | 02/07/2014 | C-408 | C-549-818 | C | 93 | ISM | Hot-rolled carbon steel flat products | Thailand | | | 79 FR 7425 |
| 12/06/2001 | 10/29/2013 | A-919 | A-588-857 | A | 99 | ISP | Welded large diameter line pipe | Japan | | | 78 FR 64477 |
| 10/22/2002 | 07/03/2014 | C-417 | C-351-833 | C | 110 | ISM | Carbon steel wire rod | Brazil | | | 79 FR 38008 |
| 10/29/2002 | 07/03/2014 | A-953 | A-351-832 | A | 110 | ISM | Carbon steel wire rod | Brazil | | | 79 FR 38008 |
| 10/29/2002 | 07/03/2014 | A-957 | A-560-815 | A | 110 | ISM | Carbon steel wire rod | Indonesia | | | 79 FR 38008 |
| 10/29/2002 | 07/03/2014 | A-958 | A-201-830 | A | 110 | ISM | Carbon steel wire rod | Mexico | | | 79 FR 38008 |
| 10/29/2002 | 07/03/2014 | A-959 | A-841-805 | A | 110 | ISM | Carbon steel wire rod | Moldova | | | 79 FR 38008 |
| 10/29/2002 | 07/03/2014 | A-961 | A-274-804 | A | 110 | ISM | Carbon steel wire rod | Trinidad & Tobago | | | 79 FR 38008 |
| 05/30/2008 | 06/23/2014 | A-1121 | A-489-815 | A | 146 | ISP | Light-walled rectangular pipe and tube | Turkey | | | 79 FR 35522 |
| 07/22/2008 | 12/04/2013 | A-1116 | A-570-910 | A | 147 | ISP | Circular welded carbon quality steel pipe | China | | | 78 FR 72863 |
| 07/22/2008 | | C-447 | A-570-911 | C | 147 | ISP | Circular welded carbon quality steel pipe | China | | | 78 FR 72863 |
| 08/05/2008 | 06/23/2014 | A-1118 | A-570-914 | A | 146 | ISP | Light-walled rectangular pipe and tube | China | | | 79 FR 35522 |
| 08/05/2008 | 06/23/2014 | A-1119 | A-580-859 | A | 146 | ISP | Light-walled rectangular pipe and tube | Korea | | | 79 FR 35522 |
| 08/05/2008 | 06/23/2014 | A-1120 | A-201-836 | A | 146 | ISP | Light-walled rectangular pipe and tube | Mexico | | | 79 FR 35522 |
| 08/05/2008 | 06/23/2014 | C-449 | C-570-915 | C | 146 | ISP | Light-walled rectangular pipe and tube | China | | | 79 FR 35522 |
| 01/23/2009 | 05/20/2014 | C-455 | C-570-936 | C | 158 | ISP | Circular welded carbon quality steel line pipe | China | | | 79 FR 28894 |
| 03/17/2009 | 07/23/2014 | A-1144 | A-570-930 | A | 160 | ISP | Circular welded austenitic stainless pressure pipe | China | | | 79 FR 42760 |
| 3/19/2009 | 08/02/2014 | C-454 | C-570-931 | C | 160 | ISP | Circular welded austenitic stainless pressure pipe | China | | | 79 FR 47089 |
| 5/13/2009 | 5/20/2014 | A-1149 | A-570-935 | A | 158 | ISP | Circular welded carbon quality steel line pipe | China | | | 79 FR 28894 |
| 1/20/2010 | 5/18/2015 | C-463 | C-570-944 | C | 168 | ISP | Oil Country Tubular Goods | China | | | 80 FR 28224 |
| 5/21/2010 | 5/18/2015 | A-1159 | A-570-943 | A | 170 | ISP | Oil Country Tubular Goods | China | | | 80 FR 28224 |
| 11/10/2010 | 3/16/2016 | C-469 | C-570-957 | C | 178 | ISP | Seamless Carbon and Alloy Steel Standard, Line, and Pressure Pipe | China | | | 81 FR 14089 |
| 11/10/2010 | 3/16/2016 | A-1168 | A-570-956 | A | 178 | ISP | Seamless Carbon and Alloy Steel Standard, Line, and Pressure Pipe | China | | | 81 FR 14089 |
| 05/29/2014 | | A-1206 | A-588-869 | A | 195 | ISM | Diffusion-Annealed, Nickel-Plated Flat-Rolled Steel Products | Japan | | | 79 FR 30816 |
| 07/21/2014 | | A-1210 | A-557-815 | A | 198 | ISP | Welded Stainless Pressure Pipe | Malaysia | | | 79 FR 42289 |
| 07/21/2014 | | A-1211 | A-549-830 | A | 198 | ISP | Welded Stainless Pressure Pipe | Thailand | | | 79 FR 42289 |
| 07/21/2014 | | A-1212 | A-552-816 | A | 198 | ISP | Welded Stainless Pressure Pipe | Vietnam | | | 79 FR 42289 |
| 09/10/2014 | | A-1215 | A-533-857 | A | 199 | ISP | Oil Country Tubular Goods | India | | | 79 FR 53691 |
| 09/10/2014 | | A-1216 | A-580-870 | A | 199 | ISP | Oil Country Tubular Goods | Korea | | | 79 FR 53691 |
| 09/10/2014 | | A-1219 | A-583-850 | A | 199 | ISP | Oil Country Tubular Goods | Taiwan | | | 79 FR 53691 |
| 09/10/2014 | | A-1221 | A-489-816 | A | 199 | ISP | Oil Country Tubular Goods | Turkey | | | 79 FR 53691 |



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|------------|----------------|--------------|--------------|--------|---------------------------|---------------|--|----------|---------|---------|-------------|
| 09/10/2014 | | A-1223 | A-553-817 | | A | 199 ISP | Oil Country Tubular Goods | Vietnam | | | 79 FR 53691 |
| 09/10/2014 | | C-499 | C-533-858 | | C | 199 ISP | Oil Country Tubular Goods | India | | | 79 FR 53688 |
| 09/10/2014 | | C-500 | C-489-817 | | C | 199 ISP | Oil Country Tubular Goods | Turkey | | | 79 FR 53688 |
| 11/06/2014 | | A-1227 | A-201-844 | | A | 200 ISM | Steel Concrete Reinforcing Bar | Mexico | | | 79 FR 65925 |
| 11/06/2014 | | C-502 | C-489-819 | | C | 200 ISM | Steel Concrete Reinforcing Bar | Turkey | | | 79 FR 68926 |
| 12/03/2014 | | A-1238 | A-570-996 | | A | 202 ISM | Non-Oriented Electrical Steel | China | | | 79 FR 71741 |
| 12/03/2014 | | A-1239 | A-428-843 | | A | 202 ISM | Non-Oriented Electrical Steel | Germany | | | 79 FR 71741 |
| 12/03/2014 | | A-1240 | A-588-872 | | A | 202 ISM | Non-Oriented Electrical Steel | Japan | | | 79 FR 71741 |
| 12/03/2014 | | A-1241 | A-580-872 | | A | 202 ISM | Non-Oriented Electrical Steel | Korea | | | 79 FR 71741 |
| 12/03/2014 | | A-1242 | A-401-809 | | A | 202 ISM | Non-Oriented Electrical Steel | Sweden | | | 79 FR 71741 |
| 12/03/2014 | | A-1243 | A-583-851 | | A | 202 ISM | Non-Oriented Electrical Steel | Taiwan | | | 79 FR 71741 |
| 12/03/2014 | | C-506 | C-507-997 | | C | 202 ISM | Non-Oriented Electrical Steel | China | | | 79 FR 71749 |
| 12/03/2014 | | C-508 | C-583-852 | | C | 202 ISM | Non-Oriented Electrical Steel | Taiwan | | | 79 FR 71749 |
| 1/8/2015 | | A-1248 | A-570-012 | | A | 203 ISM | Carbon and Certain Alloy Steel Wire | China | | | 80 FR 1015 |
| 1/8/2015 | | C-512 | C-570-013 | | C | 203 ISM | Carbon and Certain Alloy Steel Wire | China | | | 80 FR 1018 |
| 07/13/2015 | | A-1252 | A-580-874 | | A | 206 ISM | Steel Nails | Korea | | | 80 FR 39994 |
| 07/13/2015 | | A-1253 | A-557-816 | | A | 206 ISM | Steel Nails | Malaysia | | | 80 FR 39994 |
| 07/13/2015 | | A-1254 | A-523-808 | | A | 206 ISM | Steel Nails | Oman | | | 80 FR 39994 |
| 07/13/2015 | | A-1255 | A-583-854 | | A | 206 ISM | Steel Nails | Taiwan | | | 80 FR 39994 |
| 07/13/2015 | | A-1257 | A-552-818 | | A | 206 ISM | Steel Nails | Vietnam | | | 80 FR 39994 |
| 07/14/2015 | | C-519 | C-552-819 | C | | 206 ISM | Steel Nails | Vietnam | | | 80 FR 41006 |
| 12/01/2015 | | C-525 | C-489-823 | C | | 209 ISM | Welded Line Pipe | Turkey | | | 80 FR 75054 |
| 12/01/2015 | | A-1260 | A-580-876 | A | | 209 ISM | Welded Line Pipe | Korea | | | 80 FR 75056 |
| 12/01/2015 | | A-1261 | A-489-822 | A | | 209 ISM | Welded Line Pipe | Turkey | | | 80 FR 75056 |
| 07/14/2016 | | A-1286 | A-588-873 | A | | ISM | Cold-Rolled Steel Flat Products | Japan | | | 81 FR 45956 |
| 07/14/2016 | | A-1284 | A-570-029 | A | | ISM | Cold-Rolled Steel Flat Products | China | | | 81 FR 45956 |
| 07/14/2016 | | C-541 | C-570-030 | C | | ISM | Cold-Rolled Steel Flat Products | China | | | 81 FR 45960 |
| 07/25/2016 | | C-535 | C-475-833 | C | | ISM | Corrosion-Resistant Steel Products | India | | | 81 FR 48387 |
| 07/25/2016 | | C-536 | C-570-027 | C | | ISM | Corrosion-Resistant Steel Products | Italy | | | 81 FR 48387 |
| 07/25/2016 | | C-537 | C-533-864 | C | | ISM | Corrosion-Resistant Steel Products | Korea | | | 81 FR 48387 |
| 07/25/2016 | | C-534 | C-580-879 | C | | ISM | Corrosion-Resistant Steel Products | China | | | 81 FR 48387 |
| 07/25/2016 | | A-1274 | A-570-026 | A | | ISM | Corrosion-Resistant Steel Products | China | | | 81 FR 48390 |
| 07/25/2016 | | A-1275 | A-533-863 | A | | ISM | Corrosion-Resistant Steel Products | India | | | 81 FR 48390 |
| 07/25/2016 | | A-1276 | A-475-832 | A | | ISM | Corrosion-Resistant Steel Products | Italy | | | 81 FR 48390 |
| 07/25/2016 | | A-1277 | A-580-878 | A | | ISM | Corrosion-Resistant Steel Products | Korea | | | 81 FR 48390 |
| 07/25/2016 | | A-1278 | A-583-856 | A | | ISM | Corrosion-Resistant Steel Products | Taiwan | | | 81 FR 48390 |
| 09/13/2016 | | C-539 | C-489-825 | C | | ISP | Heavy Walled Rectangular Welded Carbon Steel Pipes and Tubes | Turkey | | | 81 FR 62874 |
| 09/13/2016 | | A-1280 | A-580-880 | A | | ISP | Heavy Walled Rectangular Welded Carbon Steel Pipes and Tubes | Korea | | | 81 FR 62865 |
| 09/13/2016 | | A-1281 | A-201-847 | A | | ISP | Heavy Walled Rectangular Welded Carbon Steel Pipes and Tubes | Mexico | | | 81 FR 62865 |
| 09/13/2016 | | A-1282 | A-489-824 | A | | ISP | Heavy Walled Rectangular Welded Carbon Steel Pipes and Tubes | Turkey | | | 81 FR 62865 |
| 09/20/2016 | | A-1283 | A-351-843 | A | | ISM | Cold-Rolled Steel Flat Products | Brazil | | | 81 FR 64432 |
| 09/20/2016 | | A-1285 | A-533-865 | A | | ISM | Cold-Rolled Steel Flat Products | India | | | 81 FR 64432 |
| 09/20/2016 | | A-1287 | A-580-881 | A | | ISM | Cold-Rolled Steel Flat Products | Korea | | | 81 FR 64432 |
| 09/20/2016 | | A-1290 | A-412-824 | A | | ISM | Cold-Rolled Steel Flat Products | U.K. | | | 81 FR 64432 |
| 09/20/2016 | | C-540 | C-351-844 | C | | ISM | Cold-Rolled Steel Flat Products | Brazil | | | 81 FR 64436 |



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|------------|----------------|--------------|--------------|--------|---------------------------|---------------|--|----------------------|---------|---------|-------------|
| 09/20/2016 | | C-542 | C-533-866 | C | | ISM | Cold-Rolled Steel Flat Products | India | | | 81 FR 64436 |
| 09/20/2016 | | C-541 | C-580-882 | C | | ISM | Cold-Rolled Steel Flat Products | Korea | | | 81 FR 64436 |
| 10/03/2016 | | A-1291 | A-602-809 | A | | ISM | Hot-rolled carbon steel flat products | Australia | | | 81 FR 67962 |
| 10/03/2016 | | A-1292 | A-351-845 | A | | ISM | Hot-rolled carbon steel flat products | Brazil | | | 81 FR 67962 |
| 10/03/2016 | | A-1293 | A-588-874 | A | | ISM | Hot-rolled carbon steel flat products | Japan | | | 81 FR 67962 |
| 10/03/2016 | | A-1294 | A-580-883 | A | | ISM | Hot-rolled carbon steel flat products | Korea | | | 81 FR 67962 |
| 10/03/2016 | | A-1295 | A-421-813 | A | | ISM | Hot-rolled carbon steel flat products | Netherlands | | | 81 FR 67962 |
| 10/03/2016 | | A-1296 | A-489-826 | A | | ISM | Hot-rolled carbon steel flat products | Turkey | | | 81 FR 67962 |
| 10/03/2016 | | A-1297 | A-412-825 | A | | ISM | Hot-rolled carbon steel flat products | U.K. | | | 81 FR 67962 |
| 10/03/2016 | | C-545 | C-351-846 | C | | ISM | Hot-rolled carbon steel flat products | Brazil | | | 81 FR 67960 |
| 10/03/2016 | | C-546 | C-580-884 | C | | ISM | Hot-rolled carbon steel flat products | Korea | | | 81 FR 67960 |
| 11/17/2016 | | A-1298 | A-533-867 | A | | ISP | Welded Stainless Pressure Pipe | India | | | 81 FR 81602 |
| 11/17/2016 | | C-548 | C-533-868 | C | | ISP | Welded Stainless Pressure Pipe | India | | | 81 FR 81602 |
| 12/19/2016 | | A-1299 | A-523-812 | A | | ISP | Circular Welded Carbon-Quality Steel Pipe | Oman | | | 81 FR 91906 |
| 12/19/2016 | | A-1300 | A-535-903 | A | | ISP | Circular Welded Carbon-Quality Steel Pipe | Pakistan | | | 81 FR 91906 |
| 12/19/2016 | | A-1302 | A-520-807 | A | | ISP | Circular Welded Carbon-Quality Steel Pipe | United Arab Emirates | | | 81 FR 91906 |
| 01/26/2017 | | A-1319 | A-351-847 | A | | ISM | Carbon and Alloy Steel Cut-to-Length Plate | Brazil | | | 82 FR 8911 |
| 01/26/2017 | | A-1326 | A-791-822 | A | | ISM | Carbon and Alloy Steel Cut-to-Length Plate | South Africa | | | 82 FR 8911 |
| 01/26/2017 | | A-1328 | A-489-828 | A | | ISM | Carbon and Alloy Steel Cut-to-Length Plate | Turkey | | | 82 FR 8911 |
| 03/20/2017 | | A-1320 | A-570-047 | A | | ISM | Carbon and Alloy Steel Cut-to-Length Plate | China | | | 82 FR 14349 |
| 03/20/2017 | | C-560 | C-570-048 | C | | ISM | Carbon and Alloy Steel Cut-to-Length Plate | China | | | 82 FR 14346 |
| 04/03/2017 | | C-557 | C-570-043 | C | | ISM | Stainless Steel Sheet and Strip | China | | | 82 FR 16166 |
| 04/03/2017 | | A-1312 | A-570-042 | A | | ISM | Stainless Steel Sheet and Strip | China | | | 82 FR 16160 |

394 249

TOTALS

43

Date prepared: May 11, 2017

| Count by Product Group | |
|------------------------|-------|
| Product Group | Total |
| AG | 24 |
| CH | 48 |
| ISM | 107 |
| ISO | 44 |
| ISP | 51 |
| MM | 24 |
| MSC | 68 |
| PRSG | 19 |
| TX | 5 |
| ME | 3 |
| PSRG | 1 |
| Grand Total | 394 |

| Count of AD and CVD orders by Country | | | |
|---------------------------------------|------------------------|-----|-------------|
| Country | Count of Product Group | | Grand Total |
| | AD | CVD | |
| China | 111 | 43 | 154 |
| India | 19 | 13 | 32 |
| Korea | 19 | 6 | 25 |
| Taiwan | 22 | 1 | 23 |
| Japan | 17 | | 17 |
| Brazil | 11 | 4 | 15 |
| Turkey | 8 | 6 | 14 |
| Mexico | 12 | 1 | 13 |
| Indonesia | 9 | 4 | 13 |
| Vietnam | 9 | 3 | 12 |
| Thailand | 7 | 1 | 8 |
| Italy | 5 | 2 | 7 |
| South Africa | 4 | 1 | 5 |



ANTIDUMPING AND COUNTERVAILING DUTY ORDERS IN PLACE

AS OF MAY 11, 2017

| Key to ITC case number: | |
|-------------------------|---|
| AA | = Antidumping Act of 1921 |
| A | = Section 731 of the Tariff Act of 1930 (antidumping) |
| C | = Section 701 of the Tariff Act of 1930 (countervailing duty) |
| C4 | = Section 104 of the Trade Agreements Act of 1979 (countervailing duty) |
| C-None | = No Commission investigation (countervailing duty) |

| Key to product group: | |
|--|---|
| AG = Agricultural, forest, and processed food products | MM = Metals and minerals |
| CH = Chemicals and pharmaceuticals | MSC = Miscellaneous manufactured products |
| ISM=Iron & steel: Mill products | PRSG= Plastics, rubber, stone, and glass products |
| ISO=Iron & steel: Other products & castings | TR = Transportation |
| ISP=Iron & steel: Pipe products | TX = Textiles and apparel |
| ME = Machinery and electronic/scientific equipment | |

| Order date | Continued date | ITC case No. | DOC case No. | AD/CVD | Review Sequence Group No. | Product Group | Product | Country | Column2 | Column3 | Fed Reg |
|------------|----------------|--------------|----------------------|--------|---------------------------|---------------|---------|---------|---------|---------|---------|
| | | | Germany | | 4 | | | | | | |
| | | | Ukraine | | 4 | | | | | | |
| | | | Russia | | 4 | | | | | | |
| | | | Canada | | 2 | 2 | | | | | |
| | | | Malaysia | | 4 | | | | | | |
| | | | Iran | | 1 | 2 | | | | | |
| | | | United Arab Emirates | | 3 | | | | | | |
| | | | Oman | | 2 | 1 | | | | | |
| | | | Spain | | 2 | | | | | | |
| | | | France | | 2 | | | | | | |
| | | | Australia | | 2 | | | | | | |
| | | | U.K. | | 2 | | | | | | |
| | | | Moldova | | 2 | | | | | | |
| | | | Romania | | 1 | | | | | | |
| | | | Philippines | | 1 | | | | | | |
| | | | Netherlands | | 1 | | | | | | |
| | | | Kazakhstan | | 1 | | | | | | |
| | | | Poland | | 1 | | | | | | |
| | | | Belgium | | 1 | | | | | | |
| | | | India | | 1 | 1 | | | | | |
| | | | Latvia | | 1 | | | | | | |
| | | | Venezuela | | 1 | | | | | | |
| | | | Chile | | 1 | | | | | | |
| | | | Sweden | | 1 | | | | | | |
| | | | Trinidad & Tobago | | 1 | | | | | | |
| | | | Portugal | | 1 | | | | | | |
| | | | Belarus | | 1 | | | | | | |
| | | | Pakistan | | 1 | | | | | | |
| | | | Argentina | | 1 | | | | | | |
| | | | Ukraine | | 1 | | | | | | |
| | | | Grand Total | | 303 | 91 | | | | | 394 |

Attachment 6

Bureau of Economic Analysis

U.Value Added by Industry

[Billions of dollars] Seasonally adjusted at annual rates

Release Date: April 21, 2017

| Line | 2013 | 2013 | 2013 | 2013 | 2014 | 2014 | 2014 | 2014 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| | I | II | III | IV | I | II | III | IV |
| 1 Gross domestic product | 16475.4 | 16541.4 | 16749.3 | 16999.9 | 17025.2 | 17285.6 | 17569.4 | 17692.2 |
| 2 Private industries | 14261.1 | 14322.2 | 14527.6 | 14763.0 | 14770.4 | 15016.9 | 15284.1 | 15392.0 |
| 3 Agriculture, forestry, fishing, and hunting | 230.4 | 226.4 | 225.7 | 204.8 | 202.0 | 215.6 | 198.1 | 197.0 |
| 4 Farms | 196.2 | 191.9 | 190.6 | 169.1 | 165.7 | 179.0 | 160.9 | 159.5 |
| 5 Forestry, fishing, and related activities | 34.2 | 34.5 | 35.0 | 35.7 | 36.4 | 36.7 | 37.2 | 37.5 |
| 6 Mining | 430.9 | 446.7 | 468.3 | 457.6 | 474.8 | 496.5 | 499.1 | 460.5 |
| 7 Oil and gas extraction | 293.4 | 311.4 | 329.0 | 319.1 | 336.1 | 351.3 | 350.6 | 314.9 |
| 8 Mining, except oil and gas | 75.7 | 71.1 | 74.5 | 73.2 | 71.8 | 74.2 | 74.4 | 70.6 |
| 9 Support activities for mining | 61.9 | 64.3 | 64.9 | 65.3 | 66.9 | 71.0 | 74.1 | 75.0 |
| 10 Utilities | 271.4 | 269.5 | 265.2 | 270.6 | 285.7 | 279.9 | 282.7 | 284.1 |
| 11 Construction | 605.4 | 611.2 | 626.6 | 639.9 | 653.4 | 663.1 | 676.8 | 694.9 |
| 12 Manufacturing | 2028.2 | 2003.8 | 2024.4 | 2084.3 | 2053.7 | 2085.7 | 2130.8 | 2127.5 |
| 13 Durable goods | 1076.0 | 1073.8 | 1088.7 | 1105.4 | 1099.1 | 1115.2 | 1148.8 | 1153.6 |
| 14 Wood products | 25.7 | 26.0 | 26.6 | 27.6 | 27.9 | 29.5 | 29.4 | 29.6 |
| 15 Nonmetallic mineral products | 41.8 | 42.8 | 44.3 | 44.6 | 44.5 | 45.4 | 46.5 | 47.1 |
| 16 Primary metals | 57.3 | 55.9 | 56.8 | 57.8 | 56.6 | 58.2 | 60.1 | 59.6 |
| 17 Fabricated metal products | 141.2 | 140.7 | 141.5 | 143.2 | 142.5 | 144.6 | 148.1 | 149.7 |
| 18 Machinery | 144.6 | 145.4 | 147.2 | 149.9 | 146.7 | 151.6 | 155.6 | 154.8 |
| 19 Computer and electronic products | 262.3 | 258.6 | 260.9 | 262.9 | 262.3 | 262.7 | 270.4 | 269.8 |
| 20 Electrical equipment, appliances, and components | 54.1 | 53.6 | 54.4 | 55.6 | 54.4 | 55.0 | 56.3 | 56.1 |
| 21 Motor vehicles, bodies and trailers, and parts | 130.0 | 132.1 | 133.9 | 138.2 | 137.7 | 141.0 | 148.1 | 149.8 |
| 22 Other transportation equipment | 117.2 | 117.9 | 119.7 | 121.7 | 122.9 | 123.3 | 128.0 | 129.6 |
| 23 Furniture and related products | 24.2 | 24.6 | 25.3 | 25.7 | 25.5 | 25.7 | 26.4 | 26.8 |
| 24 Miscellaneous manufacturing | 77.6 | 76.1 | 78.1 | 78.2 | 78.2 | 78.2 | 79.8 | 80.6 |
| 25 Nondurable goods | 952.1 | 930.0 | 935.7 | 978.9 | 954.6 | 970.5 | 982.0 | 973.9 |
| 26 Food and beverage and tobacco products | 231.7 | 237.9 | 241.0 | 241.7 | 240.5 | 243.3 | 250.0 | 251.4 |
| 27 Textile mills and textile product mills | 16.4 | 16.3 | 16.6 | 17.2 | 17.4 | 18.0 | 18.1 | 18.3 |
| 28 Apparel and leather and allied products | 10.4 | 10.5 | 10.4 | 10.3 | 10.4 | 10.1 | 9.9 | 10.0 |
| 29 Paper products | 54.4 | 55.2 | 56.6 | 56.7 | 55.7 | 56.0 | 56.9 | 57.8 |
| 30 Printing and related support activities | 38.2 | 38.2 | 38.0 | 37.9 | 37.4 | 37.3 | 37.6 | 37.7 |
| 31 Petroleum and coal products | 173.7 | 146.7 | 154.4 | 182.4 | 170.7 | 174.3 | 175.2 | 162.2 |
| 32 Chemical products | 354.8 | 354.4 | 348.2 | 363.0 | 355.7 | 365.8 | 367.6 | 369.3 |
| 33 Plastics and rubber products | 72.4 | 70.9 | 70.3 | 69.5 | 66.8 | 65.8 | 66.6 | 67.1 |
| 34 Wholesale trade | 984.9 | 987.9 | 1008.4 | 1025.2 | 1017.6 | 1035.3 | 1063.6 | 1075.0 |
| 35 Retail trade | 963.4 | 959.7 | 972.1 | 979.1 | 975.8 | 995.9 | 1013.7 | 1029.1 |

| Line | 2013 | 2013 | 2013 | 2013 | 2014 | 2014 | 2014 | 2014 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| | I | II | III | IV | I | II | III | IV |
| 36 Motor vehicle and parts dealers | 172.6 | 174.9 | 178.1 | 181.0 | 177.5 | 186.0 | 188.1 | 190.2 |
| 37 Food and beverage stores | 145.7 | 144.3 | 144.8 | 146.3 | 146.1 | 147.2 | 150.2 | 153.0 |
| 38 General merchandise stores | 142.5 | 141.7 | 143.2 | 143.4 | 144.7 | 146.1 | 148.3 | 151.3 |
| 39 Other retail | 502.6 | 498.8 | 506.0 | 508.4 | 507.5 | 516.6 | 527.0 | 534.7 |
| 40 Transportation and warehousing | 481.8 | 480.6 | 486.0 | 500.4 | 493.3 | 505.2 | 517.6 | 524.8 |
| 41 Air transportation | 78.3 | 79.3 | 81.5 | 88.0 | 83.7 | 86.3 | 86.9 | 87.7 |
| 42 Rail transportation | 43.5 | 42.8 | 43.4 | 45.0 | 44.3 | 46.7 | 48.1 | 48.1 |
| 43 Water transportation | 18.0 | 18.6 | 18.8 | 20.0 | 19.1 | 18.9 | 18.3 | 18.5 |
| 44 Truck transportation | 130.2 | 129.5 | 131.0 | 133.2 | 133.1 | 136.6 | 141.5 | 145.3 |
| 45 Transit and ground passenger transportation | 31.7 | 31.8 | 32.0 | 32.8 | 32.0 | 32.4 | 33.4 | 33.3 |
| 46 Pipeline transportation | 23.0 | 23.0 | 23.0 | 22.9 | 23.7 | 24.6 | 26.2 | 25.9 |
| 47 Other transportation and support activities | 107.4 | 106.6 | 107.4 | 108.9 | 108.0 | 109.1 | 111.5 | 112.9 |
| 48 Warehousing and storage | 49.6 | 49.0 | 48.8 | 49.8 | 49.3 | 50.6 | 51.6 | 53.0 |
| 49 Information | 782.6 | 787.1 | 786.7 | 809.6 | 791.9 | 791.3 | 793.6 | 795.9 |
| 50 Publishing industries, except internet (includes software) | 203.0 | 199.5 | 192.6 | 195.4 | 194.0 | 195.9 | 196.3 | 191.7 |
| 51 Motion picture and sound recording industries | 109.7 | 110.9 | 114.1 | 111.1 | 108.8 | 107.5 | 107.3 | 106.0 |
| 52 Broadcasting and telecommunications | 395.4 | 398.8 | 398.3 | 408.1 | 398.3 | 395.1 | 393.6 | 400.5 |
| 53 Data processing, internet publishing, and other information services | 74.5 | 77.9 | 81.7 | 95.0 | 90.7 | 92.9 | 96.3 | 97.7 |
| 54 Finance, insurance, real estate, rental, and leasing | 3215.9 | 3246.9 | 3313.6 | 3398.9 | 3407.0 | 3479.1 | 3531.9 | 3566.0 |
| 55 Finance and insurance | 1088.4 | 1116.5 | 1140.3 | 1200.4 | 1209.0 | 1252.5 | 1266.2 | 1276.9 |
| 56 Federal Reserve banks, credit intermediation, and related activities | 462.4 | 465.0 | 469.1 | 486.7 | 476.0 | 492.0 | 490.5 | 491.6 |
| 57 Securities, commodity contracts, and investments | 206.1 | 224.4 | 226.4 | 233.7 | 237.5 | 229.8 | 232.8 | 240.0 |
| 58 Insurance carriers and related activities | 387.4 | 394.3 | 408.5 | 434.7 | 442.9 | 466.5 | 475.2 | 478.0 |
| 59 Funds, trusts, and other financial vehicles | 32.5 | 32.8 | 36.2 | 45.3 | 52.5 | 64.3 | 67.7 | 67.4 |

| Line | | 2013 | 2013 | 2013 | 2013 | 2014 | 2014 | 2014 | 2014 |
|------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | I | II | III | IV | I | II | III | IV |
| 60 | Real estate and rental and leasing | 2127.5 | 2130.4 | 2173.2 | 2198.5 | 2198.1 | 2226.6 | 2265.7 | 2289.0 |
| 61 | Real estate | 1940.8 | 1951.1 | 1988.9 | 2010.7 | 2014.9 | 2037.5 | 2069.0 | 2089.1 |
| 62 | Housing | 1567.6 | 1573.7 | 1592.3 | 1609.4 | 1627.0 | 1645.8 | 1666.0 | 1685.3 |
| 63 | Other real estate | 373.2 | 377.4 | 396.7 | 401.3 | 387.9 | 391.7 | 403.0 | 403.8 |
| 64 | Rental and leasing services and lessors of intangible assets | 186.7 | 179.3 | 184.3 | 187.7 | 183.2 | 189.1 | 196.6 | 199.9 |
| 65 | Professional and business services | 1922.2 | 1952.2 | 1982.5 | 2004.5 | 2011.9 | 2033.6 | 2091.7 | 2122.3 |
| 66 | Professional, scientific, and technical services | 1125.3 | 1139.7 | 1157.2 | 1171.0 | 1172.2 | 1185.4 | 1222.7 | 1237.7 |
| 67 | Legal services | 216.8 | 219.4 | 223.2 | 226.9 | 221.0 | 224.8 | 234.5 | 233.6 |
| 68 | Computer systems design and related services | 225.6 | 231.4 | 236.7 | 237.3 | 240.6 | 241.4 | 246.3 | 249.0 |
| 69 | Miscellaneous professional, scientific, and technical services | 682.8 | 688.8 | 697.4 | 706.8 | 710.6 | 719.1 | 741.8 | 755.1 |
| 70 | Management of companies and enterprises | 310.4 | 322.3 | 327.0 | 330.1 | 331.6 | 331.3 | 341.3 | 348.0 |

| Line | | 2013 | 2013 | 2013 | 2013 | 2014 | 2014 | 2014 | 2014 |
|------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | I | II | III | IV | I | II | III | IV |
| 71 | Administrative and waste management services | 486.5 | 490.2 | 498.3 | 503.5 | 508.2 | 517.0 | 527.7 | 536.6 |
| 72 | Administrative and support services | 446.8 | 450.4 | 458.0 | 462.4 | 466.8 | 474.1 | 483.8 | 491.9 |
| 73 | Waste management and remediation services | 39.8 | 39.8 | 40.4 | 41.0 | 41.4 | 42.9 | 43.9 | 44.7 |
| 74 | Educational services, health care, and social assistance | 1364.9 | 1367.7 | 1375.1 | 1381.9 | 1390.6 | 1405.0 | 1430.6 | 1447.1 |
| 75 | Educational services | 182.9 | 184.9 | 186.3 | 188.4 | 192.1 | 194.4 | 196.5 | 197.6 |
| 76 | Health care and social assistance | 1182.1 | 1182.8 | 1188.8 | 1193.5 | 1198.5 | 1210.6 | 1234.1 | 1249.4 |
| 77 | Ambulatory health care services | 566.6 | 568.8 | 571.6 | 575.7 | 577.7 | 584.5 | 598.2 | 604.1 |
| 78 | Hospitals | 380.4 | 378.6 | 379.2 | 378.2 | 380.7 | 383.2 | 389.0 | 395.7 |
| 79 | Nursing and residential care facilities | 131.3 | 131.4 | 132.2 | 132.9 | 133.3 | 134.4 | 136.2 | 137.3 |
| 80 | Social assistance | 103.7 | 104.0 | 105.7 | 106.7 | 106.8 | 108.4 | 110.7 | 112.3 |
| 81 | Arts, entertainment, recreation, accommodation, and food services | 618.2 | 621.3 | 629.6 | 638.0 | 641.8 | 653.0 | 667.8 | 677.9 |
| 82 | Arts, entertainment, and recreation | 161.7 | 162.5 | 164.6 | 167.9 | 169.8 | 171.5 | 175.1 | 177.3 |
| 83 | Performing arts, spectator sports, museums, and related activities | 86.5 | 87.1 | 88.0 | 91.5 | 92.6 | 93.7 | 95.1 | 96.1 |
| 84 | Amusements, gambling, and recreation industries | 75.2 | 75.3 | 76.6 | 76.3 | 77.2 | 77.7 | 80.0 | 81.2 |
| 85 | Accommodation and food services | 456.4 | 458.8 | 465.0 | 470.1 | 472.0 | 481.6 | 492.7 | 500.6 |
| 86 | Accommodation | 132.3 | 133.0 | 134.6 | 136.1 | 136.8 | 138.9 | 142.2 | 143.9 |
| 87 | Food services and drinking places | 324.1 | 325.9 | 330.4 | 334.0 | 335.2 | 342.7 | 350.5 | 356.7 |
| 88 | Other services, except government | 360.9 | 361.2 | 363.4 | 368.3 | 371.0 | 377.5 | 386.2 | 390.0 |
| 89 | Government | 2214.4 | 2219.2 | 2221.7 | 2236.9 | 2254.8 | 2268.7 | 2285.4 | 2300.1 |
| 90 | Federal | 711.2 | 709.3 | 703.5 | 709.9 | 717.0 | 719.0 | 720.9 | 722.4 |
| 91 | General government | 664.5 | 664.0 | 658.9 | 665.2 | 669.1 | 670.1 | 671.0 | 671.3 |
| 92 | National defense | 404.9 | 404.3 | 398.2 | 403.8 | 403.4 | 403.0 | 401.9 | 400.7 |
| 93 | Nondefense | 259.6 | 259.7 | 260.7 | 261.4 | 265.6 | 267.2 | 269.1 | 270.7 |
| 94 | Government enterprises | 46.7 | 45.3 | 44.6 | 44.7 | 47.9 | 48.8 | 49.9 | 51.1 |
| 95 | State and local | 1503.2 | 1509.9 | 1518.2 | 1527.0 | 1537.8 | 1549.7 | 1564.4 | 1577.7 |
| 96 | General government | 1378.9 | 1385.3 | 1393.4 | 1402.0 | 1412.8 | 1424.4 | 1438.2 | 1450.4 |
| 97 | Government enterprises | 124.3 | 124.7 | 124.8 | 125.0 | 125.0 | 125.3 | 126.2 | 127.4 |
| 98 | Addenda: | | | | | | | | |
| 99 | Private goods-producing industries [1] | 3294.8 | 3288.2 | 3345.0 | 3386.5 | 3383.9 | 3460.9 | 3504.8 | 3479.9 |
| 100 | Private services-producing industries [2] | 10966.2 | 11033.9 | 11182.6 | 11376.5 | 11386.5 | 11556.0 | 11779.3 | 11912.1 |

| Line | | 2015 | 2015 | 2015 | 2015 | 2016 | 2016 | 2016 | 2016 |
|------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | I | II | III | IV | I | II | III | IV |
| 1 | Gross domestic product | 17783.6 | 17998.3 | 18141.9 | 18222.8 | 18281.6 | 18450.1 | 18675.3 | 18869.4 |
| 2 | Private industries | 15468.5 | 15665.1 | 15795.4 | 15865.6 | 15913.8 | 16069.1 | 16273.1 | 16454.1 |
| 3 | Agriculture, forestry, fishing, and hunting | 170.8 | 173.7 | 183.1 | 173.2 | 165.0 | 162.1 | 160.1 | 152.5 |
| 4 | Farms | 132.7 | 135.3 | 144.4 | 134.6 | 126.0 | 123.3 | 121.9 | 113.4 |
| 5 | Forestry, fishing, and related activities | 38.2 | 38.5 | 38.8 | 38.7 | 39.0 | 38.9 | 38.2 | 39.0 |
| 6 | Mining | 358.2 | 359.3 | 317.3 | 276.3 | 235.1 | 258.3 | 271.6 | 293.3 |
| 7 | Oil and gas extraction | 221.3 | 232.8 | 201.2 | 169.5 | 138.9 | 165.9 | 177.5 | 197.4 |
| 8 | Mining, except oil and gas | 69.8 | 67.3 | 64.1 | 61.9 | 57.7 | 58.1 | 60.1 | 61.1 |
| 9 | Support activities for mining | 67.2 | 59.2 | 52.1 | 45.0 | 38.5 | 34.4 | 34.0 | 34.8 |
| 10 | Utilities | 285.8 | 282.7 | 286.9 | 282.0 | 282.2 | 283.9 | 293.9 | 292.5 |
| 11 | Construction | 704.1 | 725.3 | 741.9 | 757.3 | 774.1 | 779.0 | 784.9 | 798.1 |
| 12 | Manufacturing | 2148.0 | 2168.5 | 2187.8 | 2176.8 | 2154.5 | 2171.7 | 2181.0 | 2193.7 |
| 13 | Durable goods | 1167.5 | 1174.9 | 1177.2 | 1186.0 | 1177.1 | 1177.9 | 1188.1 | 1195.9 |
| 14 | Wood products | 29.9 | 29.5 | 30.2 | 31.0 | 31.3 | 31.3 | 31.8 | 32.2 |
| 15 | Nonmetallic mineral products | 46.9 | 47.6 | 48.3 | 49.4 | 49.7 | 50.0 | 49.9 | 50.2 |
| 16 | Primary metals | 58.2 | 56.4 | 55.2 | 53.9 | 53.0 | 53.7 | 54.6 | 56.2 |
| 17 | Fabricated metal products | 149.0 | 149.4 | 148.7 | 149.5 | 148.4 | 147.9 | 149.1 | 150.7 |
| 18 | Machinery | 155.9 | 153.0 | 152.9 | 150.8 | 148.0 | 147.5 | 147.7 | 148.8 |
| 19 | Computer and electronic products | 276.0 | 279.4 | 275.9 | 281.5 | 279.5 | 279.3 | 283.4 | 287.0 |
| 20 | Electrical equipment, appliances, and components | 56.2 | 56.3 | 56.2 | 56.5 | 55.1 | 55.3 | 55.9 | 55.7 |
| 21 | Motor vehicles, bodies and trailers, and parts | 154.8 | 162.1 | 166.5 | 169.3 | 173.0 | 175.8 | 176.9 | 178.0 |
| 22 | Other transportation equipment | 131.1 | 130.6 | 131.7 | 131.0 | 127.0 | 124.8 | 126.6 | 125.0 |
| 23 | Furniture and related products | 27.3 | 27.8 | 28.4 | 28.8 | 29.2 | 29.2 | 29.4 | 29.9 |
| 24 | Miscellaneous manufacturing | 82.3 | 82.9 | 83.1 | 84.3 | 82.9 | 83.1 | 82.8 | 82.4 |

| Line | | 2015 | 2015 | 2015 | 2015 | 2016 | 2016 | 2016 | 2016 |
|------|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | I | II | III | IV | I | II | III | IV |
| 25 | Nondurable goods | 980.4 | 993.6 | 1010.6 | 990.8 | 977.5 | 993.8 | 992.8 | 997.8 |
| 26 | Food and beverage and tobacco products | 255.3 | 254.5 | 259.6 | 260.7 | 259.6 | 262.3 | 264.8 | 265.6 |
| 27 | Textile mills and textile product mills | 18.0 | 18.0 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.4 |
| 28 | Apparel and leather and allied products | 10.0 | 9.9 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 |
| 29 | Paper products | 58.8 | 59.0 | 59.7 | 60.8 | 60.0 | 59.4 | 58.9 | 58.9 |
| 30 | Printing and related support activities | 37.9 | 38.6 | 38.9 | 39.4 | 39.6 | 39.3 | 39.3 | 39.4 |
| 31 | Petroleum and coal products | 155.4 | 167.9 | 171.2 | 152.5 | 132.0 | 141.7 | 140.1 | 144.4 |
| 32 | Chemical products | 376.4 | 375.3 | 381.4 | 376.2 | 385.0 | 389.8 | 388.1 | 387.7 |
| 33 | Plastics and rubber products | 68.7 | 70.4 | 71.4 | 72.7 | 72.8 | 73.0 | 73.2 | 73.4 |
| 34 | Wholesale trade | 1083.6 | 1097.0 | 1093.7 | 1098.6 | 1088.9 | 1088.3 | 1101.5 | 1113.2 |
| 35 | Retail trade | 1032.3 | 1051.3 | 1067.5 | 1076.0 | 1081.6 | 1081.1 | 1089.2 | 1096.4 |

| Line | | 2015 | 2015 | 2015 | 2015 | 2016 | 2016 | 2016 | 2016 |
|------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | I | II | III | IV | I | II | III | IV |
| 36 | Motor vehicle and parts dealers | 191.0 | 195.4 | 201.0 | 203.1 | 207.5 | 206.3 | 209.5 | 212.3 |
| 37 | Food and beverage stores | 153.9 | 154.6 | 156.6 | 157.8 | 158.7 | 160.0 | 159.2 | 160.9 |
| 38 | General merchandise stores | 146.7 | 153.9 | 155.0 | 156.8 | 154.8 | 154.4 | 156.2 | 155.1 |
| 39 | Other retail | 540.7 | 547.4 | 554.8 | 558.3 | 560.6 | 560.4 | 564.4 | 568.1 |
| 40 | Transportation and warehousing | 535.2 | 537.8 | 545.5 | 551.7 | 552.4 | 561.1 | 565.9 | 572.1 |
| 41 | Air transportation | 93.3 | 93.9 | 96.5 | 99.1 | 101.8 | 106.3 | 106.2 | 107.3 |
| 42 | Rail transportation | 47.6 | 46.3 | 45.6 | 43.7 | 42.3 | 41.0 | 42.0 | 42.4 |
| 43 | Water transportation | 18.9 | 18.8 | 19.1 | 18.9 | 18.8 | 18.8 | 18.7 | 18.4 |
| 44 | Truck transportation | 144.1 | 145.0 | 146.6 | 147.6 | 147.6 | 150.5 | 151.1 | 151.1 |
| 45 | Transit and ground passenger transportation | 33.6 | 34.1 | 34.2 | 35.3 | 35.9 | 36.5 | 36.6 | 37.2 |
| 46 | Pipeline transportation | 26.7 | 26.7 | 27.0 | 26.9 | 26.9 | 27.3 | 26.9 | 27.8 |
| 47 | Other transportation and support activities | 116.3 | 117.3 | 119.4 | 120.7 | 120.4 | 121.5 | 123.3 | 125.9 |
| 48 | Warehousing and storage | 54.8 | 55.7 | 57.1 | 59.4 | 58.7 | 59.1 | 61.3 | 61.9 |
| 49 | Information | 816.2 | 833.7 | 844.4 | 865.4 | 880.1 | 877.6 | 892.4 | 893.7 |
| 50 | Publishing industries, except internet (includes software) | 199.5 | 204.8 | 204.7 | 212.0 | 215.6 | 218.3 | 220.8 | 221.2 |
| 51 | Motion picture and sound recording industries | 112.2 | 114.8 | 115.4 | 117.9 | 126.6 | 120.7 | 123.2 | 123.5 |
| 52 | Broadcasting and telecommunications | 403.0 | 408.7 | 415.9 | 422.7 | 423.9 | 421.7 | 428.8 | 427.6 |
| 53 | Data processing, internet publishing, and other information services | 101.5 | 105.5 | 108.5 | 112.8 | 114.1 | 117.0 | 119.6 | 121.3 |
| 54 | Finance, insurance, real estate, rental, and leasing | 3624.5 | 3647.9 | 3675.8 | 3677.3 | 3736.3 | 3782.5 | 3844.3 | 3906.4 |
| 55 | Finance and insurance | 1299.4 | 1296.8 | 1298.4 | 1277.8 | 1311.2 | 1330.6 | 1374.8 | 1405.6 |
| 56 | Federal Reserve banks, credit intermediation, and related activities | 504.7 | 505.9 | 506.2 | 497.4 | 510.0 | 519.1 | 541.1 | 558.7 |
| 57 | Securities, commodity contracts, and investments | 235.6 | 237.3 | 238.5 | 233.7 | 239.6 | 250.3 | 253.9 | 254.4 |
| 58 | Insurance carriers and related activities | 491.5 | 488.6 | 490.5 | 486.6 | 499.2 | 497.6 | 512.4 | 521.8 |
| 59 | Funds, trusts, and other financial vehicles | 67.7 | 65.0 | 63.2 | 60.1 | 62.4 | 63.6 | 67.4 | 70.8 |
| 60 | Real estate and rental and leasing | 2325.1 | 2351.1 | 2377.4 | 2399.5 | 2425.1 | 2451.9 | 2469.5 | 2500.9 |
| 61 | Real estate | 2120.9 | 2146.2 | 2171.4 | 2192.5 | 2215.7 | 2241.3 | 2259.3 | 2290.7 |
| 62 | Housing | 1708.3 | 1731.1 | 1753.2 | 1772.2 | 1788.5 | 1808.0 | 1824.6 | 1849.0 |
| 63 | Other real estate | 412.6 | 415.1 | 418.2 | 420.3 | 427.2 | 433.3 | 434.7 | 441.7 |
| 64 | Rental and leasing services and lessors of intangible assets | 204.2 | 204.9 | 206.0 | 207.0 | 209.5 | 210.5 | 210.2 | 210.1 |
| 65 | Professional and business services | 2164.0 | 2196.9 | 2220.6 | 2247.8 | 2265.8 | 2296.8 | 2324.8 | 2347.1 |
| 66 | Professional, scientific, and technical services | 1266.9 | 1286.9 | 1301.8 | 1315.5 | 1333.3 | 1348.7 | 1363.6 | 1377.3 |
| 67 | Legal services | 237.4 | 241.2 | 244.9 | 244.1 | 253.4 | 258.1 | 257.9 | 261.8 |
| 68 | Computer systems design and related services | 258.6 | 267.0 | 267.8 | 271.3 | 273.0 | 276.8 | 280.4 | 283.2 |
| 69 | Miscellaneous professional, scientific, and technical services | 770.8 | 778.7 | 789.1 | 800.1 | 806.9 | 813.8 | 825.3 | 832.2 |
| 70 | Management of companies and enterprises | 352.6 | 355.9 | 356.2 | 360.3 | 357.7 | 367.9 | 372.9 | 372.8 |

| Line | | 2015 | 2015 | 2015 | 2015 | 2016 | 2016 | 2016 | 2016 |
|------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | I | II | III | IV | I | II | III | IV |
| 71 | Administrative and waste management services | 544.5 | 554.1 | 562.5 | 572.0 | 574.8 | 580.3 | 588.3 | 597.0 |
| 72 | Administrative and support services | 500.6 | 509.5 | 517.0 | 525.8 | 528.7 | 534.0 | 541.5 | 549.6 |
| 73 | Waste management and remediation services | 44.0 | 44.6 | 45.5 | 46.1 | 46.1 | 46.3 | 46.8 | 47.4 |
| 74 | Educational services, health care, and social assistance | 1462.5 | 1486.9 | 1512.3 | 1542.9 | 1546.7 | 1566.6 | 1585.9 | 1604.9 |
| 75 | Educational services | 199.0 | 200.9 | 203.1 | 206.0 | 205.7 | 205.5 | 207.8 | 210.3 |
| 76 | Health care and social assistance | 1263.5 | 1286.0 | 1309.2 | 1336.9 | 1341.0 | 1361.1 | 1378.1 | 1394.6 |
| 77 | Ambulatory health care services | 615.4 | 624.5 | 636.5 | 643.0 | 652.0 | 661.5 | 666.6 | 677.0 |
| 78 | Hospitals | 398.0 | 406.9 | 414.4 | 429.7 | 426.5 | 436.0 | 443.2 | 447.7 |
| 79 | Nursing and residential care facilities | 137.0 | 139.3 | 140.8 | 144.1 | 142.7 | 143.1 | 145.3 | 146.0 |
| 80 | Social assistance | 113.0 | 115.2 | 117.5 | 120.1 | 119.8 | 120.5 | 123.1 | 124.0 |
| 81 | Arts, entertainment, recreation, accommodation, and food services | 690.2 | 704.5 | 715.0 | 730.2 | 736.1 | 742.7 | 755.4 | 763.2 |
| 82 | Arts, entertainment, and recreation | 180.4 | 184.8 | 187.1 | 190.9 | 192.9 | 195.3 | 200.1 | 203.3 |
| 83 | Performing arts, spectator sports, museums, and related activities | 98.2 | 101.8 | 102.8 | 104.0 | 105.5 | 107.9 | 111.5 | 113.2 |
| 84 | Amusements, gambling, and recreation industries | 82.2 | 83.0 | 84.2 | 86.9 | 87.4 | 87.4 | 88.6 | 90.1 |
| 85 | Accommodation and food services | 509.8 | 519.7 | 528.0 | 539.3 | 543.2 | 547.4 | 555.3 | 560.0 |
| 86 | Accommodation | 145.6 | 147.7 | 149.6 | 153.1 | 151.7 | 152.3 | 154.5 | 154.9 |
| 87 | Food services and drinking places | 364.2 | 372.0 | 378.4 | 386.2 | 391.4 | 395.0 | 400.8 | 405.0 |
| 88 | Other services, except government | 393.2 | 399.8 | 403.4 | 410.2 | 414.9 | 417.5 | 422.3 | 427.0 |
| 89 | Government | 2315.1 | 2333.1 | 2346.6 | 2357.1 | 2367.8 | 2381.0 | 2402.2 | 2415.3 |

| Line | | 2015 | 2015 | 2015 | 2015 | 2016 | 2016 | 2016 | 2016 |
|------|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | I | II | III | IV | I | II | III | IV |
| 90 | Federal | 728.9 | 729.8 | 730.2 | 728.8 | 734.8 | 736.9 | 742.1 | 746.3 |
| 91 | General government | 675.0 | 675.3 | 676.0 | 675.5 | 681.4 | 685.3 | 689.3 | 691.8 |
| 92 | National defense | 400.6 | 399.3 | 399.2 | 398.2 | 400.1 | 400.8 | 402.3 | 402.5 |
| 93 | Nondefense | 274.4 | 276.0 | 276.7 | 277.3 | 281.3 | 284.5 | 287.0 | 289.4 |
| 94 | Government enterprises | 53.9 | 54.4 | 54.2 | 53.3 | 53.4 | 51.6 | 52.8 | 54.5 |
| 95 | State and local | 1586.2 | 1603.4 | 1616.4 | 1628.4 | 1633.0 | 1644.1 | 1660.1 | 1669.0 |
| 96 | General government | 1457.9 | 1473.5 | 1485.3 | 1496.1 | 1500.3 | 1510.6 | 1525.5 | 1533.5 |
| 97 | Government enterprises | 128.3 | 129.9 | 131.1 | 132.3 | 132.7 | 133.5 | 134.6 | 135.5 |
| 98 | Addenda: | | | | | | | | |
| 99 | Private goods-producing industries [1] | 3381.1 | 3426.8 | 3430.2 | 3383.6 | 3328.8 | 3371.1 | 3397.5 | 3437.6 |
| 100 | Private services-producing industries [2] | 12087.4 | 12238.4 | 12365.2 | 12482.0 | 12585.0 | 12698.0 | 12875.6 | 13016.5 |

Legend / Footnotes:

1. Consists of agriculture, forestry, fishing, and hunting; mining; construction; and manufacturing.

2. Consists of utilities; wholesale trade; retail trade; transportation and warehousing; information; finance, insurance, real estate, rental, and leasing; professional and business services; educational services, health care, and social assistance; arts, entertainment, recreation, accommodation, and food services; and other services, except government.

Note. The Bureau of Economic Analysis does not include these detailed estimates in the published tables because their quality is significantly less than that of the higher level aggregates in which they are included.

Note. Detail may not add to total due to rounding.

Attachment 7

Bureau of Economic Analysis

Table 6.4D. Full-Time and Part-Time Employees by Industry

[Thousands]

Last Revised on: August 03, 2016

| Line | | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1 | Full-time and part-time employees | 142,000 | 136,170 | 134,846 | 136,438 | 138,952 | 141,186 | 143,885 | 146,603 |
| 2 | Domestic industries | 143,283 | 137,105 | 135,804 | 137,402 | 139,973 | 142,297 | 145,094 | 147,901 |
| 3 | Private industries | 118,414 | 112,139 | 110,848 | 112,815 | 115,588 | 117,962 | 120,767 | 123,490 |
| 4 | Agriculture, forestry, fishing, and hunting | 1,251 | 1,241 | 1,274 | 1,297 | 1,328 | 1,358 | 1,383 | 1,403 |
| 5 | Farms ¹ | 732 | 739 | 754 | 763 | 780 | 789 | 803 | 817 |
| 6 | Forestry, fishing, and related activities | 519 | 502 | 519 | 534 | 549 | 569 | 580 | 586 |
| 7 | Mining | 717 | 640 | 648 | 726 | 794 | 809 | 839 | 748 |
| 8 | Oil and gas extraction | 162 | 161 | 159 | 171 | 188 | 197 | 197 | 193 |
| 9 | Mining, except oil and gas | 226 | 207 | 204 | 214 | 218 | 210 | 206 | 197 |
| 10 | Support activities for mining | 329 | 272 | 285 | 341 | 388 | 403 | 436 | 358 |
| 11 | Utilities | 559 | 562 | 552 | 551 | 551 | 549 | 550 | 555 |
| 12 | Construction | 7,438 | 6,249 | 5,700 | 5,666 | 5,773 | 6,011 | 6,301 | 6,609 |
| 13 | Manufacturing | 13,425 | 11,856 | 11,524 | 11,738 | 11,942 | 12,023 | 12,187 | 12,334 |
| 14 | Durable goods | 8,489 | 7,290 | 7,063 | 7,284 | 7,485 | 7,546 | 7,668 | 7,765 |
| 15 | Wood products | 457 | 362 | 342 | 338 | 340 | 355 | 371 | 382 |
| 16 | Nonmetallic mineral products | 464 | 390 | 368 | 364 | 366 | 373 | 383 | 397 |
| 17 | Primary metals | 446 | 364 | 362 | 392 | 405 | 398 | 400 | 394 |
| 18 | Fabricated metal products | 1,541 | 1,312 | 1,281 | 1,346 | 1,409 | 1,426 | 1,453 | 1,457 |
| 19 | Machinery | 1,184 | 1,026 | 994 | 1,056 | 1,100 | 1,108 | 1,123 | 1,118 |
| 20 | Computer and electronic products | 1,246 | 1,136 | 1,100 | 1,106 | 1,092 | 1,063 | 1,050 | 1,055 |
| 21 | Electrical equipment, appliances, and components | 421 | 372 | 357 | 365 | 373 | 374 | 378 | 382 |
| 22 | Motor vehicles, bodies and trailers, and parts | 883 | 675 | 681 | 725 | 785 | 819 | 871 | 917 |
| 23 | Other transportation equipment | 731 | 681 | 653 | 663 | 681 | 689 | 683 | 692 |
| 24 | Furniture and related products | 483 | 386 | 358 | 353 | 354 | 360 | 370 | 381 |
| 25 | Miscellaneous manufacturing | 634 | 585 | 569 | 575 | 580 | 582 | 587 | 591 |
| 26 | Nondurable goods | 4,936 | 4,566 | 4,461 | 4,454 | 4,456 | 4,478 | 4,519 | 4,569 |
| 27 | Food and beverage and tobacco products | 1,672 | 1,646 | 1,631 | 1,645 | 1,657 | 1,673 | 1,702 | 1,740 |
| 28 | Textile mills and textile product mills | 304 | 252 | 240 | 240 | 236 | 233 | 234 | 235 |
| 29 | Apparel and leather and allied products | 233 | 198 | 187 | 181 | 178 | 174 | 170 | 165 |
| 30 | Paper products | 442 | 406 | 394 | 388 | 380 | 377 | 373 | 372 |
| 31 | Printing and related support activities | 594 | 523 | 487 | 472 | 460 | 456 | 454 | 452 |
| 32 | Petroleum and coal products | 116 | 114 | 111 | 110 | 111 | 111 | 110 | 110 |
| 33 | Chemical products | 848 | 800 | 788 | 785 | 788 | 795 | 802 | 808 |
| 34 | Plastics and rubber products | 727 | 627 | 624 | 634 | 646 | 658 | 674 | 688 |
| 35 | Wholesale trade | 6,016 | 5,620 | 5,499 | 5,579 | 5,688 | 5,776 | 5,858 | 5,917 |
| 36 | Durable goods | 3,514 | 3,223 | 3,139 | 3,199 | 3,276 | 3,332 | 3,377 | 3,407 |
| 37 | Nondurable goods | 2,502 | 2,397 | 2,360 | 2,380 | 2,412 | 2,445 | 2,480 | 2,510 |
| 38 | Retail trade | 15,538 | 14,798 | 14,633 | 14,828 | 15,018 | 15,214 | 15,494 | 15,797 |
| 39 | Motor vehicle and parts dealers | 1,862 | 1,671 | 1,653 | 1,706 | 1,758 | 1,811 | 1,880 | 1,952 |
| 40 | Food and beverage stores | 2,913 | 2,883 | 2,845 | 2,860 | 2,897 | 2,965 | 3,031 | 3,095 |
| 41 | General merchandise stores | 3,056 | 3,017 | 2,996 | 3,103 | 3,111 | 3,083 | 3,130 | 3,189 |
| 42 | Other retail ² | 7,706 | 7,227 | 7,139 | 7,158 | 7,251 | 7,355 | 7,453 | 7,561 |
| 43 | Transportation and warehousing | 4,560 | 4,269 | 4,187 | 4,320 | 4,422 | 4,507 | 4,662 | 4,871 |
| 44 | Air transportation | 492 | 464 | 451 | 460 | 464 | 451 | 450 | 461 |
| 45 | Rail transportation | 200 | 190 | 187 | 198 | 201 | 202 | 206 | 209 |
| 46 | Water transportation | 67 | 64 | 63 | 64 | 66 | 67 | 69 | 68 |
| 47 | Truck transportation | 1,440 | 1,312 | 1,278 | 1,336 | 1,376 | 1,403 | 1,443 | 1,477 |
| 48 | Transit and ground passenger transportation | 437 | 439 | 434 | 446 | 453 | 460 | 477 | 486 |
| 49 | Pipeline transportation | 41 | 41 | 42 | 43 | 44 | 44 | 47 | 49 |
| 50 | Other transportation and support activities ³ | 1,209 | 1,120 | 1,098 | 1,125 | 1,142 | 1,168 | 1,225 | 1,296 |
| 51 | Warehousing and storage | 674 | 638 | 633 | 647 | 677 | 712 | 746 | 825 |
| 52 | Information | 2,999 | 2,814 | 2,710 | 2,695 | 2,700 | 2,720 | 2,750 | 2,771 |
| 53 | Publishing industries (includes software) | 956 | 877 | 837 | 837 | 841 | 842 | 848 | 862 |
| 54 | Motion picture and sound recording industries | 385 | 365 | 373 | 375 | 382 | 385 | 389 | 408 |
| 55 | Broadcasting and telecommunications | 1,335 | 1,262 | 1,192 | 1,165 | 1,142 | 1,135 | 1,134 | 1,090 |
| 56 | Information and data processing services | 322 | 309 | 308 | 318 | 335 | 358 | 379 | 411 |
| 57 | Finance and insurance | 6,029 | 5,788 | 5,710 | 5,777 | 5,852 | 5,896 | 5,944 | 6,058 |

| Line | | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|------|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 58 | Federal Reserve banks, credit intermediation, and related activities | 2,750 | 2,622 | 2,568 | 2,575 | 2,607 | 2,634 | 2,582 | 2,588 |
| 59 | Securities, commodity contracts, and investments | 953 | 895 | 884 | 860 | 858 | 867 | 884 | 906 |
| 60 | Insurance carriers and related activities | 2,319 | 2,265 | 2,253 | 2,337 | 2,383 | 2,392 | 2,472 | 2,557 |
| 61 | Funds, trusts, and other financial vehicles | 7 | 7 | 5 | 5 | 3 | 4 | 6 | 7 |
| 62 | Real estate and rental and leasing | 2,194 | 2,061 | 1,973 | 1,974 | 1,997 | 2,047 | 2,090 | 2,140 |
| 63 | Real estate | 1,545 | 1,481 | 1,437 | 1,445 | 1,461 | 1,502 | 1,534 | 1,570 |
| 64 | Rental and leasing services and lessors of intangible assets ⁴ | 649 | 579 | 536 | 529 | 536 | 545 | 556 | 570 |
| 65 | Professional, scientific, and technical services | 7,955 | 7,623 | 7,560 | 7,767 | 7,991 | 8,216 | 8,446 | 8,710 |
| 66 | Legal services | 1,187 | 1,151 | 1,132 | 1,130 | 1,137 | 1,146 | 1,134 | 1,133 |
| 67 | Computer systems design and related services | 1,453 | 1,424 | 1,458 | 1,551 | 1,634 | 1,714 | 1,801 | 1,917 |
| 68 | Miscellaneous professional, scientific, and technical services ⁵ | 5,316 | 5,048 | 4,970 | 5,086 | 5,220 | 5,356 | 5,511 | 5,660 |
| 69 | Management of companies and enterprises ⁶ | 1,901 | 1,857 | 1,855 | 1,918 | 2,005 | 2,090 | 2,157 | 2,201 |
| 70 | Administrative and waste management services | 8,102 | 7,262 | 7,473 | 7,804 | 8,083 | 8,342 | 8,646 | 8,866 |
| 71 | Administrative and support services | 7,741 | 6,914 | 7,116 | 7,438 | 7,712 | 7,965 | 8,258 | 8,470 |
| 72 | Waste management and remediation services | 360 | 348 | 357 | 366 | 371 | 377 | 387 | 396 |
| 73 | Educational services | 3,099 | 3,160 | 3,225 | 3,294 | 3,352 | 3,393 | 3,457 | 3,520 |
| 74 | Health care and social assistance | 15,952 | 16,260 | 16,529 | 16,732 | 17,411 | 17,865 | 18,187 | 18,676 |
| 75 | Ambulatory health care services | 5,698 | 5,838 | 6,006 | 6,170 | 6,332 | 6,503 | 6,664 | 6,885 |
| 76 | Hospitals | 4,628 | 4,684 | 4,676 | 4,717 | 4,787 | 4,787 | 4,772 | 4,900 |
| 77 | Nursing and residential care facilities | 3,048 | 3,112 | 3,175 | 3,197 | 3,224 | 3,262 | 3,300 | 3,320 |
| 78 | Social assistance | 2,578 | 2,626 | 2,673 | 2,647 | 3,067 | 3,312 | 3,450 | 3,572 |
| 79 | Arts, entertainment, and recreation | 2,005 | 1,959 | 1,947 | 1,954 | 2,009 | 2,067 | 2,130 | 2,194 |
| 80 | Performing arts, spectator sports, museums, and related activities | 558 | 545 | 538 | 544 | 559 | 581 | 605 | 620 |
| 81 | Amusements, gambling, and recreation industries | 1,447 | 1,414 | 1,409 | 1,410 | 1,450 | 1,486 | 1,525 | 1,573 |
| 82 | Accommodation and food services | 11,578 | 11,226 | 11,192 | 11,461 | 11,848 | 12,249 | 12,623 | 13,030 |
| 83 | Accommodation | 1,880 | 1,760 | 1,753 | 1,792 | 1,824 | 1,856 | 1,892 | 1,925 |
| 84 | Food services and drinking places | 9,698 | 9,465 | 9,439 | 9,669 | 10,025 | 10,393 | 10,731 | 11,105 |
| 85 | Other services, except government | 7,097 | 6,894 | 6,656 | 6,734 | 6,825 | 6,830 | 7,066 | 7,091 |
| 86 | Government | 24,869 | 24,966 | 24,956 | 24,587 | 24,385 | 24,335 | 24,327 | 24,411 |
| 87 | Federal | 5,163 | 5,253 | 5,420 | 5,295 | 5,214 | 5,138 | 5,048 | 5,035 |
| 88 | General government | 4,308 | 4,441 | 4,656 | 4,558 | 4,497 | 4,443 | 4,362 | 4,349 |
| 89 | Civilian | 2,027 | 2,135 | 2,334 | 2,244 | 2,216 | 2,185 | 2,160 | 2,177 |
| 90 | Military ⁷ | 2,281 | 2,306 | 2,322 | 2,314 | 2,281 | 2,258 | 2,202 | 2,172 |
| 91 | Government enterprises | 855 | 812 | 764 | 737 | 717 | 695 | 686 | 686 |
| 92 | State and local | 19,706 | 19,713 | 19,536 | 19,292 | 19,171 | 19,197 | 19,279 | 19,376 |
| 93 | General government | 18,455 | 18,473 | 18,306 | 18,044 | 17,971 | 18,022 | 18,115 | 18,214 |
| 94 | Education | 10,271 | 10,324 | 10,264 | 10,177 | 10,238 | 10,273 | 10,315 | 10,372 |
| 95 | Other ⁸ | 8,184 | 8,149 | 8,042 | 7,867 | 7,733 | 7,749 | 7,800 | 7,842 |
| 96 | Government enterprises ⁸ | 1,251 | 1,240 | 1,230 | 1,248 | 1,200 | 1,175 | 1,164 | 1,162 |
| 97 | Rest of the world ⁹ | -1,283 | -935 | -958 | -964 | -1,021 | -1,111 | -1,209 | -1,298 |

Legend / Footnotes:

1. NAICS crop and animal production.

2. Consists of furniture and home furnishings stores; electronics and appliance stores; building material and garden equipment and supplies dealers; health and personal care stores; gasoline stations; clothing and clothing accessories stores; sporting goods, hobby, book, and music stores; miscellaneous store retailers; and nonstore retailers.

3. Consists of scenic and sightseeing transportation; transportation support activities; and couriers and messengers.

4. Intangible assets include patents, trademarks, and franchise agreements, but not copyrights.

5. Consists of accounting, tax preparation, bookkeeping, and payroll services; architectural, engineering, and related services; specialized design services; management, scientific, and technical consulting services; scientific research and development services; advertising and related services; and other professional, scientific, and technical services.

6. Consists of offices of bank and other holding companies and of corporate, subsidiary, and regional managing offices.

7. Includes Coast Guard.

8. Employees of Indian tribal governments are classified in state and local government.

9. Includes estimates of foreign professional workers and undocumented Mexican migratory workers employed temporarily in the United States.

Note. Estimates in this table are based on the 2002 North American Industry Classification System (NAICS).

Attachment 8

Table 2**Profit and Loss Data for USS-POSCO Industries**

2016, 2017 by Quarter

Unit: '000 Dollars

| | 2016 | | | | | | | 2017 | | | |
|--------------------------|--------------|---------------|--------------|----------------|---------------|----------------|--------------|---------------|---------------|---------------|---------------|
| | 1Q | 2Q | 3Q | 4Q | 1H | 2H | Total | Jan | Feb | Mar | Apr |
| Proceeds | 131,244 | 173,074 | 180,734 | 126,134 | 304,318 | 306,868 | 611,186 | 53,047 | 49,665 | 59,595 | 53,874 |
| Proceeds-PPF | 5,614 | 6,462 | 5,880 | 4,340 | 12,075 | 10,220 | 22,296 | 1,625 | 1,577 | 1,456 | 1,257 |
| Total Proceeds | 136,858 | 179,536 | 186,614 | 130,474 | 316,393 | 317,089 | 633,482 | 54,673 | 51,242 | 61,051 | 55,131 |
| Operating Income | 6,083 | 10,869 | 9,423 | -21,486 | 16,952 | -12,063 | 4,889 | -1,694 | -2,340 | -3,940 | -2,578 |
| Net Profit (Loss) | 5,278 | 10,488 | 9,066 | -20,005 | 15,766 | -10,939 | 4,827 | -1,971 | -2,768 | -4,241 | -2,990 |

Source: POSCO