

**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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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

AI S 10

December 2015

Products	CODE	CURRENT MONTH				PERCENT		YEAR-TO-DATE				PERCENT		PERCENT CHANGE
		CARBON	ALLOY	STAINLESS	TOTAL	2015	2014	CARBON	ALLOY	STAINLESS	TOTAL	2015	2014	
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

1/06/2016

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		PERCENT CHANGE
		CARBON	ALLOY	STAINLESS	TOTAL	2016	2015	CARBON	ALLOY	STAINLESS	TOTAL	2016	2015	
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	{	28,636	0.4%	0.3%	208,473	23,112	{	650	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

2/07/2017

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

AIS 10

March 2017

Products	CODE	CURRENT MONTH				PERCENT		YEAR-TO-DATE				PERCENT		PERCENT CHANGE
		CARBON	ALLOY	STAINLESS	TOTAL	2017	2016	CARBON	ALLOY	STAINLESS	TOTAL	2017	2016	
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	XXX	100.0%	XXX

*Includes revisions for previous months.

**Some Alloy included in Carbon due to disclosure.

*** Not included due to disclosure

5/04/2017

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	22,282
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 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
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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Order date	Continued date	ITC case No.	DOC case No.	AD/CVD	Review Sequence Group No.	Product Group	Product	Country	Column2	Column3	Fed Reg
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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Order date	Continued date	ITC case No.	DOC case No.	AD/CVD	Review Sequence Group No.	Product Group	Product	Country	Column2	Column3	Fed Reg
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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Order date	Continued date	ITC case No.	DOC case No.	AD/CVD	Review Sequence Group No.	Product Group	Product	Country	Column2	Column3	Fed Reg
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

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Date prepared: May 11, 2017

Count by Product Group	
Count of AD/CVD	
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			
Count of Product Group		AD/CVD	
Country	AD	CVD	Grand Total
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



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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		4					
			Ukraine	4		4					
			Russia	4		4					
			Canada	2	2	4					
			Malaysia	4		4					
			Iran	1	2	3					
			United Arab Emirates	3		3					
			Oman	2	1	3					
			Spain	2		2					
			France	2		2					
			Australia	2		2					
			U.K.	2		2					
			Moldova	2		2					
			Romania	1		1					
			Philippines	1		1					
			Netherlands	1		1					
			Kazakhstan	1		1					
			Poland	1		1					
			Belgium	1		1					
			India		1	1					
			Latvia	1		1					
			Venezuela	1		1					
			Chile	1		1					
			Sweden	1		1					
			Trinidad & Tobago	1		1					
			Portugal	1		1					
			Belarus	1		1					
			Pakistan	1		1					
			Argentina	1		1					
			Ukraine	1		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

Line		2008	2009	2010	2011	2012	2013	2014	2015
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

Line		2008	2009	2010	2011	2012	2013	2014	2015
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