

# PNC's Metals Industry Update

## Issue 50



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Welcome to Issue 50 of PNC's Metals Industry Update. Our cover story highlights the substantial capital investments being made by industry leaders in greenfield production capacity. Healthy industries can attract new capital. We believe these investments are indicative of a healthy US metals industry. Time will tell whether the benefits from these investments accrue more to shareholders or to metals consumers. This story is followed by our recurring sections on metals pricing, pricing for public notes and bonds, and the syndicated loan market.

Thank you for reading our quarterly Update. Our first issue was over 12 years ago. We find it rewarding to know we have published 50 issues. We hope you have found our Industry Update to be a useful reference. We would very much like to hear your comments and/or suggestions to help keep our Update relevant for you.

### Industry Leaders Investing over \$40 billion in New Projects to Expanded Capabilities

The metals industry in the United States is in a period of unprecedented capital investment. While this story will not detail every investment by every market participant, we will focus on some of the major capital investments being made or announced for between 2023 and 2028. We have selected seven companies in the carbon steel or aluminum sector that have either invested or publicly announced plans to spend a total of \$41.1 billion. This story will identify the major projects. While it remains to be seen if these investments will drive the anticipated returns, metals consumers will benefit from the increased capabilities of these US producers for many years. We are bullish that this capital investment (along with \$ billions of others not included in this story) will support the long-term health of the industry.

#### US Steel Corporation (USS) - \$14.6 billion<sup>1</sup>

USS, under the new ownership of Nippon Steel, is leading the way in new capital investment. However, the investment began prior to Nippon's ownership. The initial major investment was Big River Steel 2 producing 3 million tons of carbon steel sheet along with a continuous galvanizing line. This project with an estimated cost of \$3.35 billion produced its first coil in 2024. USS also spent \$450 million to build a 200,000 ton non-grain oriented electrical line at Big River. Since the acquisition by Nippon Steel, additional capital investment of \$10.8 billion has been announced through 2028. Details of the individual estimates that total \$10.8 billion can be found in an 8K filed on June 18, 2025. Every major facility at USS will receive investment. Also included in this spending is the initial \$1 billion for a 3-million-ton greenfield carbon sheet mill in a location yet to be announced.

#### Nucor Corporation (Nucor) - \$10 billion<sup>2, 3, 4</sup>

Nucor is near the end of a \$10 billion capital campaign to "Build the Core". The largest single investment is a new 3-million-ton carbon sheet mill in Apple Grove West Virginia. This mill is expected to start up in 2027. The estimated cost of

## Industry Leaders Investing over \$40 billion in New Projects to Expanded Capabilities *(Continued)*

the mill is \$3.1 billion. In early 2023, Nucor began making shipments from a new plate mill in Brandenburg, West Virginia. Many consider this to be the most advanced plate mill in the world. The estimated cost of this facility was \$1.7 billion for 1.2 million tons of production capacity. Other major projects include the following: Crawfordsville galvanized line and paint line; Berkeley galvanized line; Gallatin tube mill; Lexington micro-mill; and two utility tower plants. Most of this capital spend to "Build the Core" will be completed by the end of 2025. A relatively small portion will extend into 2026.

### Hyundai & POSCO - \$5.8 billion<sup>5</sup>

On March 25, 2025, Hyundai announced its plans to build a new \$5.8 billion steel mill in Donaldsonville, Louisiana. The facility intends to be the first integrated hydrogen steel mill in the US. The mill will use two electric arc furnaces to produce 2.7 million metric tons. Hyundai also announced its plan to partner with POSCO. The new mill will first focus on producing automotive grade steels for Hyundai and Kia. Construction of the new mill is targeted to begin in Q3 2026 with production targeted for 2029.

### Emirates Global Aluminum (EGA) - \$4 billion<sup>6</sup>

In May 2025, EGA announced plans to build a new primary aluminum smelter for approximately \$4 billion. The smelter will support critical US industries like aerospace, defense, and automotive. The smelter will be located in the Tulsa Port of Inola industrial park. When complete, the new smelter will be the first built in the US in over 40 years. The project remains contingent on a power supply agreement and investment incentives. EGA currently targets late 2029 or early 2030 for hot metal production.

### Steel Dynamics (SDI) - \$3.6 billion<sup>7, 8, 9, 10</sup>

SDI has made a \$600,000,000 greenfield investment in four new flat roll steel finishing lines. One galv line and one paint line is located next the Sinton sheet mill and one galv line and one paint line located in Terre Haute, Indiana next to an existing SDI cold mill. These mills began ramping up in 2024. In addition, SDI is currently ramping up its new aluminum mill in Columbus, Mississippi. The mill will leverage the recycling capabilities of OmniSource to provide aluminum sheet for applications in beverage packaging, automotive, and industrial end markets. The new mill known as Aluminum Dynamics will have an estimated cost of \$2.7 billion. Finally, SDI is investing approximately \$300,000,000 in a new biocarbon production facility. The facility is designed to reduce Scope 1 GHG emissions in their steel mills by 35%.

Not included in these capital investment totals are \$1.9 billion to build the state-of-the-art flat roll steel mill in Sinton, TX. This project started to ramp up before 2023.

### ArcelorMittal USA (AM USA) - \$2.2 billion<sup>11, 12</sup>

In June 2025, AM USA began using their new EAF in Calvert, Alabama. The facility is designed to produce 1.5 million metric tons of steel slab replacing slabs that were purchased from third parties. The initial investment was estimated to be \$775 million. On February 6, AM USA announced that it was preceding with plans to build an advanced, non-grain oriented electrical steel (NOES) manufacturing facility in Alabama. The new line is under construction, with production scheduled to commence in 2027 will be a \$1.2 billion capital investment. The facility will produce up to 150,000 to support automotive and mobility, renewable energy production and industrial uses.

### Commercial Metals Corporation (CMC) - \$900 million<sup>13, 14</sup>

CMC is in the middle of building a new rebar micro-mill in Berkeley County, West Virginia. The investment in the Facility is estimated to be between \$550 million and \$600 million and produce 500,000 tons annually. This is CMC's fourth micro-mill. The third micro-mill, built to the existing Mesa, Arizona next to an existing CMC mill, began ramping up in 2023. This mill produces 500,000 tons including up to 350,000 tons of rebar and 150,000 tons of merchant bar. When the project was first announced in August of 2020, the estimated cost of the mill was \$300 million.

### Century Aluminum (CENX) - \$500 million<sup>15</sup>

In early 2024, CENX announced plans to build a new Green Aluminum smelter. The Department of Energy awarded a \$500 million grant to help advance this project. These funds are not included in the totals. CENX may be in a race with EGA to see who can be the first to bring a new aluminum smelter to the US market. It will be very interesting to watch.

## Metals Pricing

Metals prices during the third quarter displayed some interesting trends. Carbon steel flat roll product prices all declined during the quarter with hot roll coil (HRC) down 9.5% to \$760 per ton. At the same time, carbon steel long product prices all increased with rebar up 8.5% to \$890 per ton. Non-ferrous product prices saw increases in the mid-single digits except for Comex copper which declined 15% after a large run up in July driven by trade tariff speculation. Finally, ferrous steel raw materials remained flat. In total, of the 23 product prices we track: 12 increased, 9 declined, and 2 remained flat. See the complete list of product prices.

Carbon Flat-Rolled Steel \$/NT July - September 2025			
Product	July	August	September
Hot-Rolled	840	810	760
Cold-Rolled	1,020	1,010	980
Galvanized	1,080	1,065	1,020

Discrete Plate \$/NT July - September 2025			
Product	July	August	September
A36	1,080	1,080	1,040
A514	2,300	2,300	2,260
AR400	2,320	2,320	2,280

Wide Flange Beam \$/cwt. July - September 2025			
Size	July	August	September
24"x12¾"	67.50	69.50	69.50
18"x6"	64.25	66.25	66.25

MBQ \$/cwt. July - September 2025			
Shape	July	August	September
1" A36 round	52.70	54.70	54.70

Rebar \$/cwt. - Grade 60 July - September 2025			
Size	July	August	September
16 mm - #5	41.00	44.00	44.50

SBQ \$/cwt. - 1" round July - September 2025			
Grade	July	August	September
HR 4140 Q&T	102.75	103.10	104.25

Pipe & Tube \$/NT July - September 2025			
Product	July	August	September
OCTG J55	1,400	1,500	1,450
Linepipe, ERW	1,400	1,500	1,450

Aluminum \$/lb July - September 2025			
Alloy	July	August	September
3003	2.53	2.67	2.70
LME	1.18	1.17	1.20
MWTP	1.85	1.89	1.93

Stainless \$/lb - Cold-Rolled Coil July - September 2025			
Grade	July	August	September
304	1.68	1.72	1.72

Copper \$/lb July - September 2025			
	July	August	September
Comex Avg.	5.45	4.44	4.61

Nickel \$/lb July - September 2025			
	July	August	September
LME Avg.	6.81	6.76	6.85

Ferrous Scrap \$/GT Midwest July - September 2025			
GRADE	July	August	September
No. 1 HMS	325	325	325
Shredded	380	375	375

Iron Ore \$/LT U.S. July - September 2025			
GRADE	July	August	September
Furnace Pellets	108.00	108.00	106.00

Met Coal \$/MT U.S. East Coast July - September 2025			
GRADE	July	August	September
low vol	175	175	175

The metals market price guide is courtesy of Sector3 Appraisals, Inc., provider of asset valuation and advisory services for asset-based lending (ABL) lenders, specializing in metals, chemicals and commodities. For more information, contact Michael Dawson - Editor, Market Research at [mdawson@sector3appraisals.com](mailto:mdawson@sector3appraisals.com).



Metals Bond Update<sup>16</sup>

Fed’s First Cut Fuels Risk-On Rally

After a turbulent summer marked by tariff-driven rate volatility and lingering geopolitical tensions, risk sentiment improved throughout the third quarter as investors began to position for policy easing. While uncertainty remained, markets found their footing amidst resilient earnings, the continued AI-boom, and growing bets on a Fed pivot. A softening labor backdrop led the Fed to deliver a 25 bps cut in September, despite continued inflationary stubbornness. The trim added fuel to the post-Labor Day issuance surge that pushed quarterly supply to \$408BN in the Investment Grade market and \$116BN in High Yield, as issuers took advantage of falling yields and tightening spreads. Over the quarter, the 10-year US Treasury yield tightened ~13 bps to 4.10%, contributing to Investment Grade index yields that tightened 24 bps (from 5.01% to 4.77%) and High Yield index yields that dropped 37 bps on average (from 7.05% to 6.68%) in the third quarter. Despite an unexpected government shutdown at the end of the quarter, the S&P 500 closed 8.2% higher from 6/30/25 to 10/1/25, reaching a new all-time high on October 1st as upward momentum continued.

September 2025 finished as a record setting month in the Investment Grade primary market, with 152 issuers pricing over \$215BN and crushing syndicate desk estimates of ~\$160BN. The break-away month brought YTD issuance volume to \$1,349BN, well surpassing 3Q24’s YTD volume of \$1,182BN. The average Investment Grade new issue concession and order book subscription level also impressed at 1.2 bps and 4.26x,

respectively. Wrapping up the quarter, A-rated and BBB-rated yields decreased 0.24% and 0.26%, supported by credit spread tightening of 10 bps and 11 bps on average. PNC’s IG Metals Bond Index reflected the same trend, with yields tightening 0.27% and a 13 bps decrease in spreads this quarter. No Investment Grade metals issuers priced new offerings in the third quarter.

High Yield issuers combined to price \$116BN in 3Q25, bringing total YTD issuance to \$257BN after a whirlwind September that marked the busiest September on record and the third busiest month in the High Yield market with its headlining \$58MM new-issuance figure. YTD volume now sits roughly 10% ahead of 2024’s YTD \$234BN volume. As BB-rated and B-rated yields dropped 0.15% and 0.45%, respectively, BB-rated spreads ended the quarter 9 bps wider while B-rated spreads tightened 23 bps. The average spread of issuers in the PNC HY Metals Bond Index tightened 20 bps, while average yields declined 0.39% in the third quarter. Century Aluminum (B3/B) came to market in July to price \$400MM 7NC3 senior secured notes at 6.875%, followed in August by Novelis’ (B1/BB) \$750MM 8NC3 senior unsecured notes, which inked a 6.375% coupon. Joining the post-Labor Day rush, Cleveland-Cliffs (Ba3/BB-) hit the market in September to price \$850MM 8.25NC3.25 senior unsecured notes at 7.625%, shortly followed by a \$275MM add-on to its existing 7.625% senior unsecured notes due 2034, pricing at 102.75.

Metals Bond Index

As of Date	PNC IG Metals Bond Index			PNC HY Metals Bond Index		
	10/1/2025	6/30/2025	(Δ)	10/1/2025	6/30/2025	(Δ)
Effective Maturity (Years)	9.29	9.30	-0.01	5.20	4.92	0.28
Composite Rating	BBB+	BBB+	-	BB-	BB-	-
Weighted Avg. Coupon	4.65%	4.56%	0.09%	6.24%	6.05%	0.19%
Yield to Worst	4.66%	4.93%	-0.27%	5.88%	6.27%	-0.39%
Option Adjusted Spread to Treasuries (bps)	66.5	79.4	-12.9	211.4	230.9	-19.5

Source: Bloomberg

Note: PNC IG Metals Bond Index excludes bonds of size < \$250 million



Issuance Date	Issuer	Amount		Moody's Rating	S&P Rating	Maturity	Coupon Rate	Price at Issuance	Issuance	As of 10/1/2025		Since 7/1/2025		
		Outstanding (\$MM)	Structure						Spread over Treasury	Yield to Worst	Spread (OAS)	7/1/2025 Spread	Δ in Spread (bps)	%Δ in Spread
Steel Mills														
4/5/2024	Algoma Steel Inc	\$350	2nd lien	Caa1	B-	4/15/2029	9.125%	100.00	490 bps	14.586%	1169 bps	1104 bps	65 bps	5.9%
3/11/2019	ArcelorMittal SA	\$401	Sr Unsecured	Baa3	BBB	3/11/2026	4.550%	99.72	200 bps	4.379%	73 bps	77 bps	-4 bps	-5.4%
11/29/2022	ArcelorMittal SA	\$1,200	Sr Unsecured	Baa3	BBB	11/29/2027	6.550%	99.91	255 bps	4.239%	74 bps	71 bps	2 bps	3.4%
7/16/2019	ArcelorMittal SA	\$500	Sr Unsecured	Baa3	BBB	7/16/2029	4.250%	99.00	225 bps	4.227%	63 bps	63 bps	-1 bps	-1.2%
11/29/2022	ArcelorMittal SA	\$1,000	Sr Unsecured	Baa3	BBB	11/29/2032	6.800%	99.37	305 bps	4.796%	93 bps	95 bps	-2 bps	-2.2%
3/7/2011	ArcelorMittal SA	\$434	Sr Unsecured	Baa3	BBB	3/1/2041	6.750%	99.18	230 bps	5.824%	138 bps	139 bps	-1 bps	-0.9%
9/18/2020	Big River Steel LLC	\$720	Secured	Ba1	BB+	1/31/2029	6.625%	100.00	604 bps	4.942%	102 bps	174 bps	-72 bps	-41.5%
2/6/2025	Cleveland-Cliffs Inc	\$850	Sr Unsecured	Ba3	BB-	9/15/2031	7.500%	100.00	305 bps	6.651%	281 bps	285 bps	-4 bps	-1.3%
10/22/2024	Cleveland-Cliffs Inc	\$900	Sr Unsecured	Ba3	BB-	5/1/2033	7.375%	100.00	339 bps	6.785%	274 bps	276 bps	-2 bps	-0.7%
10/22/2024	Cleveland-Cliffs Inc	\$900	Sr Unsecured	Ba3	BB-	11/1/2029	6.875%	100.00	303 bps	6.121%	241 bps	244 bps	-3 bps	-1.3%
5/13/2019	Cleveland-Cliffs Inc	\$555	Sr Unsecured	Ba3	BB-	6/1/2027	5.875%	96.13	-	5.761%	2356 bps	182 bps	2174 bps	#####
2/17/2021	Cleveland-Cliffs Inc	\$368	Sr Unsecured	Ba3	BB-	3/1/2029	4.625%	100.00	368 bps	5.756%	224 bps	217 bps	7 bps	3.0%
4/14/2023	Cleveland-Cliffs Inc	\$750	Sr Unsecured	Ba3	BB-	4/15/2030	6.750%	100.00	325 bps	6.024%	221 bps	231 bps	-10 bps	-4.4%
2/17/2021	Cleveland-Cliffs Inc	\$325	Sr Unsecured	Ba3	BB-	3/1/2031	4.875%	100.00	374 bps	6.327%	261 bps	263 bps	-2 bps	-0.6%
3/18/2024	Cleveland-Cliffs Inc	\$1,425	Sr Unsecured	Ba3	BB-	3/15/2032	7.000%	100.00	276 bps	6.560%	253 bps	257 bps	-4 bps	-1.7%
9/8/2025	Cleveland-Cliffs Inc	\$850	Sr Unsecured	Ba3	#N/A N/A	1/15/2034	7.625%	100.00	356 bps	6.899%	283 bps	285 bps	-2 bps	-0.7%
1/28/2022	Commercial Metals Co	\$300	Sr Unsecured	Ba2	BB+	1/15/2030	4.125%	100.00	249 bps	5.123%	149 bps	147 bps	2 bps	1.1%
2/2/2021	Commercial Metals Co	\$300	Sr Unsecured	Ba2	BB+	2/15/2031	3.875%	100.00	279 bps	5.292%	158 bps	157 bps	2 bps	1.2%
1/28/2022	Commercial Metals Co	\$300	Sr Unsecured	Ba2	BB+	3/15/2032	4.375%	100.00	267 bps	5.394%	152 bps	154 bps	-2 bps	-1.4%
4/16/2014	GUSAP III LP	\$481	Sr Unsecured	Baa2	BBB	4/16/2044	7.250%	100.00	368 bps	5.794%	124 bps	127 bps	-2 bps	-1.8%
3/5/2025	Nucor Corp	\$500	Sr Unsecured	A3	A-	6/1/2030	4.650%	99.77	70 bps	4.204%	53 bps	56 bps	-2 bps	-4.4%
3/5/2025	Nucor Corp	\$500	Sr Unsecured	A3	A-	6/1/2035	5.100%	99.73	95 bps	4.816%	72 bps	75 bps	-3 bps	-4.1%
5/23/2022	Nucor Corp	\$500	Sr Unsecured	A3	A-	5/23/2027	4.300%	99.84	145 bps	3.899%	36 bps	36 bps	-1 bps	-1.6%
4/26/2018	Nucor Corp	\$500	Sr Unsecured	A3	A-	5/1/2028	3.950%	99.85	100 bps	3.938%	37 bps	36 bps	1 bps	2.1%
5/22/2020	Nucor Corp	\$500	Sr Unsecured	A3	A-	6/1/2030	2.700%	99.72	205 bps	4.185%	52 bps	53 bps	-1 bps	-2.4%
3/11/2022	Nucor Corp	\$550	Sr Unsecured	A3	A-	4/1/2032	3.125%	99.67	130 bps	4.430%	60 bps	62 bps	-2 bps	-3.7%
3/11/2022	Nucor Corp	\$550	Sr Unsecured	A3	A-	4/1/2052	3.850%	99.07	165 bps	5.421%	72 bps	73 bps	-1 bps	-1.5%
12/7/2020	Nucor Corp	\$329	Sr Unsecured	A3	A-	12/15/2055	2.979%	99.29	130 bps	5.472%	80 bps	80 bps	0 bps	0.0%
3/12/2025	Steel Dynamics Inc	\$400	Sr Unsecured	Baa2	BBB	5/15/2055	5.750%	97.03	140 bps	4.730%	92 bps	93 bps	-1 bps	-1.3%
3/12/2025	Steel Dynamics Inc	\$600	Sr Unsecured	Baa2	BBB	5/15/2035	5.250%	98.98	115 bps	4.730%	81 bps	83 bps	-2 bps	-2.3%
7/3/2024	Steel Dynamics Inc	\$600	Sr Unsecured	Baa2	BBB	8/15/2034	5.375%	98.65	123 bps	4.518%	82 bps	82 bps	0 bps	-0.6%
12/6/2016	Steel Dynamics Inc	\$400	Sr Unsecured	Baa2	BBB	12/15/2026	5.000%	100.00	266 bps	4.040%	50 bps	-52 bps	102 bps	-197.0%
10/9/2020	Steel Dynamics Inc	\$350	Sr Unsecured	Baa2	BBB	10/15/2027	1.650%	99.30	120 bps	4.798%	55 bps	53 bps	2 bps	3.5%
12/11/2019	Steel Dynamics Inc	\$600	Sr Unsecured	Baa2	BBB	4/15/2030	3.450%	99.74	165 bps	4.798%	62 bps	64 bps	-2 bps	-3.2%
6/5/2020	Steel Dynamics Inc	\$500	Sr Unsecured	Baa2	BBB	1/15/2031	3.250%	98.96	260 bps	4.798%	64 bps	66 bps	-2 bps	-2.5%
10/9/2020	Steel Dynamics Inc	\$400	Sr Unsecured	Baa2	BBB	10/15/2050	3.250%	96.33	185 bps	4.798%	81 bps	83 bps	-2 bps	-2.3%
2/11/2021	United States Steel Corp	\$475	Sr Unsecured	Ba3	BB+	3/1/2029	6.875%	100.00	592 bps	4.517%	128 bps	85 bps	42 bps	49.8%
5/21/2007	United States Steel Corp	\$274	Sr Unsecured	Ba3	BB+	6/1/2037	6.650%	99.41	180 bps	6.150%	193 bps	192 bps	1 bps	0.6%
Distribution														
8/3/2020	Reliance Inc	\$500	Sr Unsecured	Baa1	BBB+	8/15/2030	2.150%	99.72	160 bps	4.416%	77 bps	76 bps	0 bps	0.4%
11/20/2006	Reliance Inc	\$250	Sr Unsecured	Baa1	BBB+	11/15/2036	6.850%	99.43	220 bps	5.334%	120 bps	119 bps	1 bps	0.5%
Specialty														
3/24/2021	Alcoa Nederland Holding BV	\$500	Sr Unsecured	Ba1	BB	3/31/2029	4.125%	100.00	274 bps	5.091%	148 bps	149 bps	0 bps	-0.2%
3/21/2024	Alcoa Nederland Holding BV	\$750	Sr Unsecured	Ba1	BB	3/15/2031	7.125%	100.00	301 bps	5.468%	151 bps	154 bps	-4 bps	-2.3%
3/17/2025	Alumina Pty Ltd	\$500	Sr Unsecured	Ba1	BB	9/15/2032	6.375%	100.00	226 bps	5.602%	158 bps	162 bps	-4 bps	-2.4%
3/17/2025	Alumina Pty Ltd	\$500	Sr Unsecured	Ba1	BB	3/15/2030	6.125%	100.00	211 bps	5.266%	150 bps	151 bps	-2 bps	-1.2%
8/10/2023	Arsenal AIC Parent LLC	\$700	Secured	Ba3	B+	10/1/2030	8.000%	100.00	396 bps	5.593%	166 bps	168 bps	-2 bps	-1.5%
11/22/2019	ATI Inc	\$350	Sr Unsecured	Ba3	BB	12/1/2027	5.875%	100.00	414 bps	2.504%	22 bps	20 bps	2 bps	7.4%
9/14/2021	ATI Inc	\$325	Sr Unsecured	Ba3	BB	10/1/2029	4.875%	100.00	255 bps	5.254%	149 bps	151 bps	-2 bps	-1.0%
9/14/2021	ATI Inc	\$350	Sr Unsecured	Ba3	BB	10/1/2031	5.125%	100.00	255 bps	5.374%	142 bps	145 bps	-3 bps	-1.8%
8/11/2023	ATI Inc	\$425	Sr Unsecured	Ba3	BB	8/15/2030	7.250%	100.00	313 bps	5.848%	94 bps	96 bps	-2 bps	-2.5%
7/24/2020	Carpenter Technology Corp	\$400	Sr Unsecured	Ba3	BB+	7/15/2028	6.375%	100.00	587 bps	5.848%	-163 bps	-163 bps	0 bps	-0.3%
3/16/2022	Carpenter Technology Corp	\$300	Sr Unsecured	Ba3	BB+	3/15/2030	7.625%	100.00	566 bps	5.848%	158 bps	159 bps	-1 bps	-0.8%
7/22/2025	Century Aluminum Co	\$400	Secured	B3	B	8/1/2032	6.875%	100.00	113 bps	5.913%	194 bps	198 bps	-3 bps	-1.7%
9/1/2021	How met Aerospace Inc	\$700	Sr Unsecured	Baa1	BBB+	1/15/2029	3.000%	100.00	255 bps	4.081%	51 bps	51 bps	0 bps	0.5%
1/25/2007	How met Aerospace Inc	\$625	Sr Unsecured	Baa1	BBB+	2/1/2037	5.950%	99.62	113 bps	4.909%	70 bps	70 bps	1 bps	0.8%
11/26/2019	Kaiser Aluminum Corp	\$500	Sr Unsecured	B2	BB-	3/1/2028	4.625%	100.00	289 bps	5.002%	141 bps	142 bps	0 bps	-0.3%
5/20/2021	Kaiser Aluminum Corp	\$550	Sr Unsecured	B2	BB-	6/1/2031	4.500%	100.00	288 bps	5.647%	190 bps	190 bps	-1 bps	-0.3%
1/13/2025	Novelis Corp	\$750	Sr Unsecured	B1	BB	1/30/2030	6.875%	100.00	836 bps	5.554%	175 bps	177 bps	-2 bps	-1.1%
1/16/2020	Novelis Corp	\$1,600	Sr Unsecured	B1	BB	1/30/2030	4.750%	100.00	836 bps	5.698%	204 bps	205 bps	0 bps	-0.2%
8/11/2021	Novelis Corp	\$750	Sr Unsecured	B1	BB	8/15/2031	3.875%	100.00	836 bps	5.663%	191 bps	190 bps	0 bps	0.0%
8/18/2025	Novelis Corp	\$750	Sr Unsecured	B1	BB	8/15/2033	6.375%	100.00	836 bps	6.067%	193 bps	197 bps	-4 bps	-2.0%
6/10/2015	Precision Castparts Corp	\$275	Sr Unsecured	Aa2	AA	6/15/2035	4.200%	99.40	130 bps	4.308%	22 bps	21 bps	0 bps	0.4%
12/20/2012	Precision Castparts Corp	\$500	Sr Unsecured	Aa2	AA	1/15/2043	3.900%	99.38	100 bps	5.262%	67 bps	67 bps	0 bps	0.5%
6/10/2015	Precision Castparts Corp	\$325	Sr Unsecured	Aa2	AA	6/15/2045	4.375%	99.67	145 bps	5.351%	70 bps	69 bps	0 bps	0.4%
3/18/2025	JW Aluminum Continuous Cast Co	\$350	Secured	B3	B	4/1/2030	10.250%	100.00	624 bps	8.410%	474 bps	475 bps	-1 bps	-0.3%

Denotes new issuance since 7.1.2025 Metals Bond Update

Denotes bond that matures in the next two years

\*+/- Indicates ratings currently on review for upgrade/downgrade

Source: Bloomberg

## Syndicated Bank Loan Market

Syndicated Bank Loan activity bounced bank from a soft second quarter with 9 deals for a total of \$3.9 billion. Year-to-date 2025 has had 22 transactions for \$12.7 billion. Novelis had the largest transaction taking advantage of the strong institutional market to reduce pricing on its \$1.25 billion Term Loan B. Reliance also took advantage of favorable bank market conditions issuing a new \$400 million Term Loan to refinance a maturing note issue. Details for some of the more notable transactions are shown below.

(\$ in millions)	Ta Chen International Inc.	Novelis Inc.	Reliance Inc.	SunCoke Energy, Inc.	Texas Pipe & Supply Co. Ltd.	Century Aluminum Company
Date	Sep-25	Mar-25 (Amend. Sep-25) <sup>1</sup>	Sep-24 / Aug-25	Jul-25	Jul-25	Jul-25
Deal Size (\$ in MM)	\$975.0	\$1,250.0	\$1,500.0 / \$400.0	\$325.0	\$275.0	\$250.0
Facility Type	CF Revolver	Term Loan B	CF Revolver / Term Loan A	CF Revolver	CF Revolver	ABL Revolver
Tenor	5 years	7 years	5 years / 3 years	5 years	5 years	5 years
Purpose	Corporate Purposes	Corporate Purposes / Refinance	Corporate Purposes	Corporate Purposes	Corporate Purposes	Corporate Purposes
Ratings						
S&P	NR	BB	BBB+	BB-	NR	B-
Moody's	NR	Ba3	Baa1	B1	NR	B2
Amortization	-	1% per annum	Bullet at Maturity	-	-	-
Pricing at close (bps)						
All-in Spread	150.0	175.0	100.0 / 75.0	200.0	175.0	160.0
SOFR Margin	125.0	175.0	100.0 / 75.0	200.0	175.0	150.0
Facility Fee	25.0	-	-	-	-	-
Commitment Fee	-	-	10.0 / -	20.0	<b>Not Disclosed</b>	25.0
Pricing Detail (bps)			<div> <div>Net Lev. Ratio<sup>1,2</sup></div> <div>RCF SOFR Spread</div> <div>RCF Comm. Fee</div> <div>TLA SOFR Spread</div> </div>	<div> <div>Net Lev. Ratio<sup>1</sup></div> <div>RCF SOFR Spread</div> <div>RCF Comm. Fee</div> </div>		<div> <div>RCF Avail.</div> <div>SOFR Spread</div> <div>Unused Fee</div> </div>
	<b>Not Disclosed</b>	<b>Not Disclosed</b>	<div>&lt; 0.20x</div> <div>100.0</div> <div>10.0</div> <div>75.0</div>	<div>&lt; 2.00x</div> <div>175.0</div> <div>20.0</div>		<div>≥ 67%</div> <div>125.0</div> <div>25.0</div>
			<div>&lt; 0.30x</div> <div>112.5</div> <div>12.5</div> <div>87.5</div>	<div>&lt; 2.50x</div> <div>200.0</div> <div>20.0</div>	<b>Not Disclosed</b>	<div>&gt; 33%</div> <div>150.0</div> <div>25.0</div>
			<div>&lt; 0.40x</div> <div>137.5</div> <div>17.5</div> <div>112.5</div>	<div>&lt; 3.25x</div> <div>225.0</div> <div>25.0</div>		<div>≤ 33%</div> <div>175.0</div> <div>25.0</div>
			<div>≥ 0.40x</div> <div>150.0</div> <div>20.0</div> <div>125.0</div>	<div>&lt; 4.00x</div> <div>250.0</div> <div>30.0</div>		
				<div>≥ 4.00x</div> <div>275.0</div> <div>35.0</div>		
SOFR Adjustment (bps) (1-mo / 3-mo / 6-mo)	<b>Not Disclosed</b>	<b>Not Disclosed</b>	None	None	<b>Not Disclosed</b>	10.0 bps
Rate Floor	<b>Not Disclosed</b>	0.00%	-	-	0.00%	0.00%
OID	-	100.0	-	-	-	-
Call Protection	-	101 soft call 6 mo.	-	-	-	-
Financial Covenants						
Fixed Charge Coverage Ratio			-	-		1.00x <sup>1</sup>
Interest Coverage Ratio	<b>Not Disclosed</b>	<b>Not Disclosed</b>	-	2.50x	<b>Not Disclosed</b>	-
Total Leverage Ratio			-	-		-
Net Leverage Ratio			0.60x <sup>1,2</sup>	4.50x <sup>1</sup>		-
Secured	Secured	Secured	Unsecured	Unsecured	Unsecured	Secured
Sources: S&P Capital IQ, Moody's, Refinitiv Loan Connector		<sup>1</sup> Sep-25 repricing decreased the SOFR spread from 200.0 bps to 175.0 bps	<sup>1</sup> Defined as (i) Funded Debt less Domestic Cash to (ii) Funded Debt, less Domestic Cash, plus Stockholders' Equity <sup>2</sup> Domestic Cash defined as the lesser of (i) 100% of unrestricted and unencumbered Cash and (ii) \$500MM	<sup>1</sup> Defined as (i) Consolidated Total Debt, less Unrestricted Cash and Cash Equivalents not to exceed \$75MM to (ii) Consolidated EBITDA		<sup>1</sup> Springs when excess availability is less than the greater of (i) 10% of the Line Cap and (ii) \$17.85MM

Sources: S&P Capital IQ, Moody's, Refinitiv Loan Connector

1 US Steel Fourth Quarter and Full Year Earnings Presentation

2 Capito October 24, 2023

3 Nucor 2024 10K

4 Nucor Press Release January 3, 2023

5 Recycling Today March 26, 2025

6 Media EGA May 16, 2025

7 Steel Dynamics Investor Call Presentation Q3 2025

8 Investing.com May 21, 2025

9 Steel Market Update October 21, 2025

10 Steel Market Update July 23, 2019

11 Arcelor Mittal Press Release December 22, 2020

12 Alabama Gazette February 7, 2025

13 Commercial Metals Press Release April 25, 2025

14 Argus July 13, 2020

15 Zack's Equity Research March 28, 2024

16 Bloomberg

17 <https://www.pnc.com/en/about-pnc/media/economic-reports.html>

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CIB SV IMC 1025-058-2762401