SMU Community Chat

November 30, 2022 Starting at 11 AM Eastern

Michael Cowden, Steel Market Update Timna Tanners, Wolfe Research



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SMU Newsletter developed for active buyers & sellers of flat rolled steel.

Prices – Momentum – Trends – Analysis – with a guarantee

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Upcoming Events



Date	Event	Status	Venue
January 17-18	SMU Steel 101 Workshop	Virtual	SteelMarketUpdate.com/Events
February 5-7	Tampa Steel Conference 2023	Live	Tampa Marriot Water Street

For more information about Tampa Steel, including registration info, visit https://www.tampasteelconference.com/
Or contact our events team directly at Events@SteelMarketUpdate.com

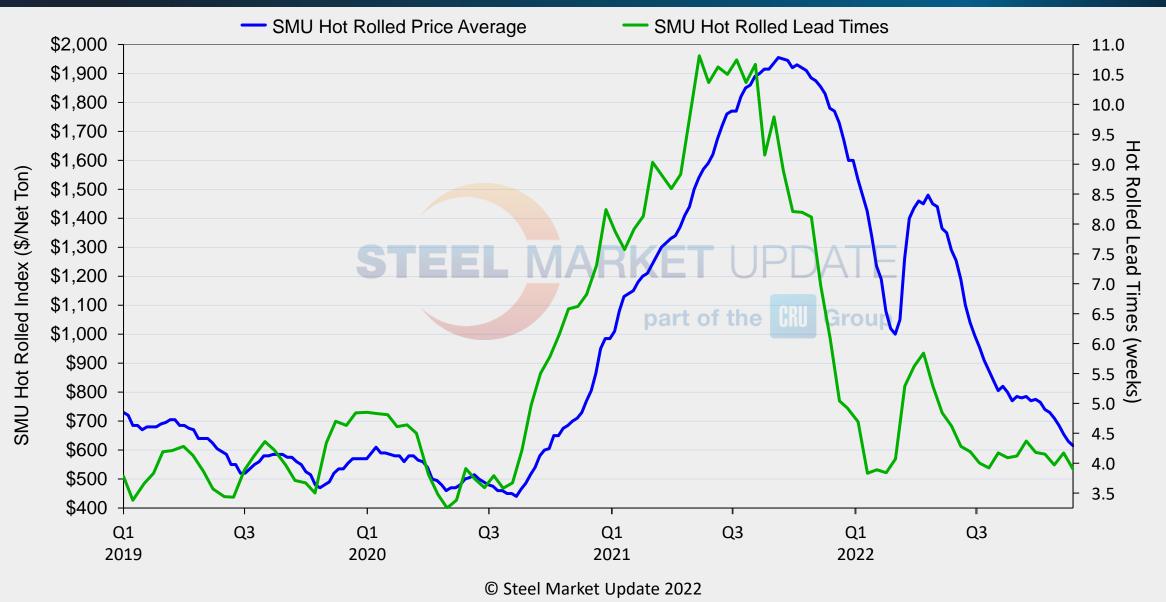


Don't just read our data, see your company's experience reflected in it.

Contact Brett@SteelMarketUpdate.com for participation information.

SMU Steel Prices vs Lead Times



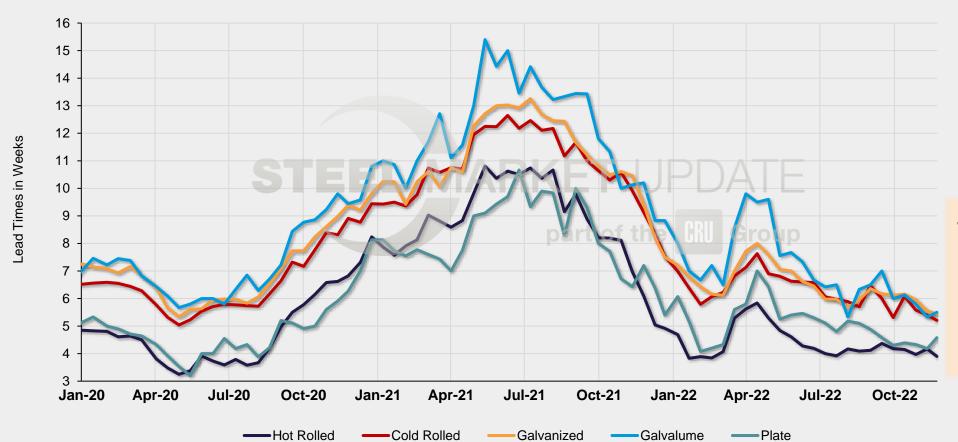


Steel Mill Lead Times by Product



SMU Lead Times Comparison

Through November 22, 2022



Lead Times (Weeks)

Galvalume: 5.5

Galvanized: 5.4

Cold Rolled: 5.2

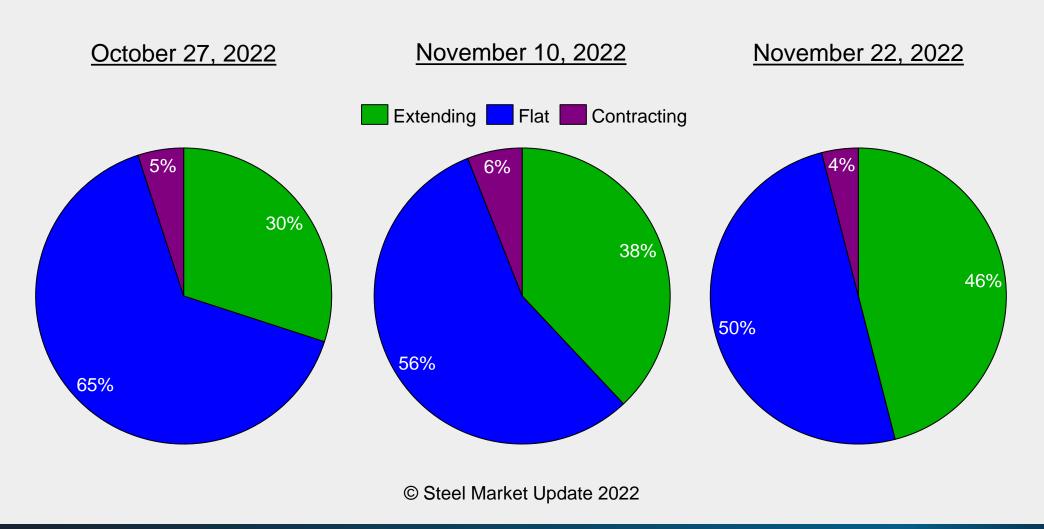
Plate: 4.6

Hot Rolled: 3.9

Direction of Steel Mill Lead Times



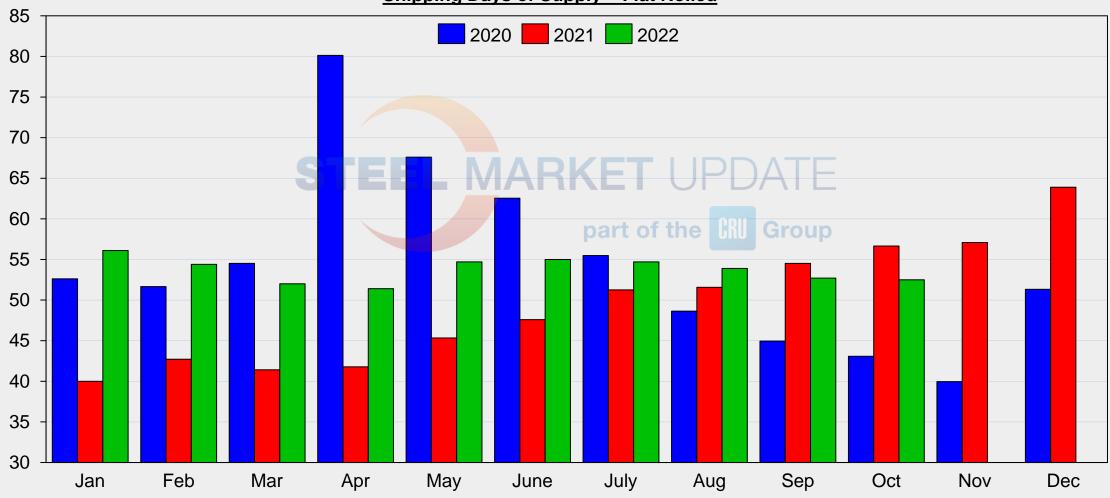
Two months from now, will lead times be extending, flat, or contracting?



Service Center Inventories



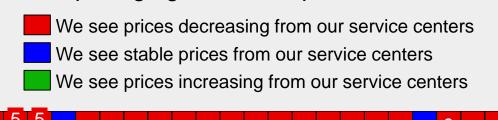


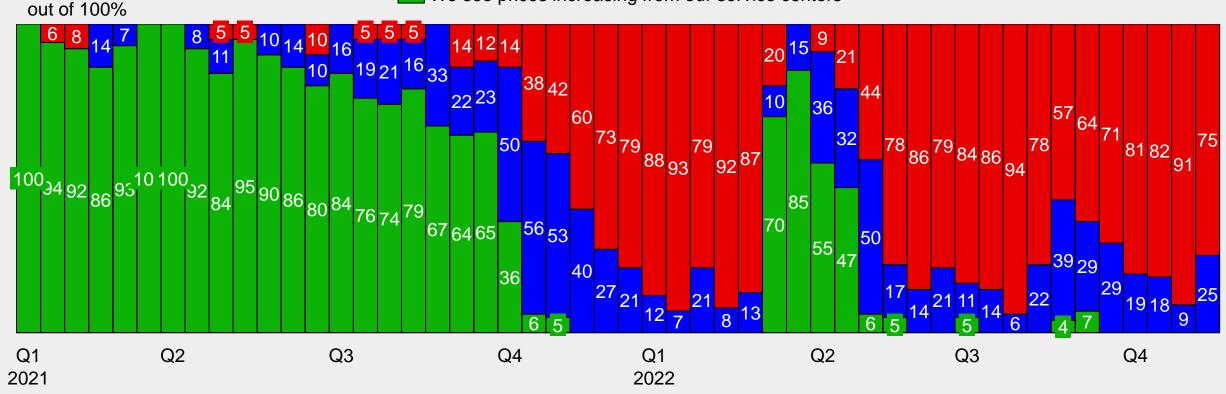


Manufacturer's View of Service Center Selling Prices History



Manufacturers- Which comment do you feel is representative of service center pricing right now compared to two weeks ago?



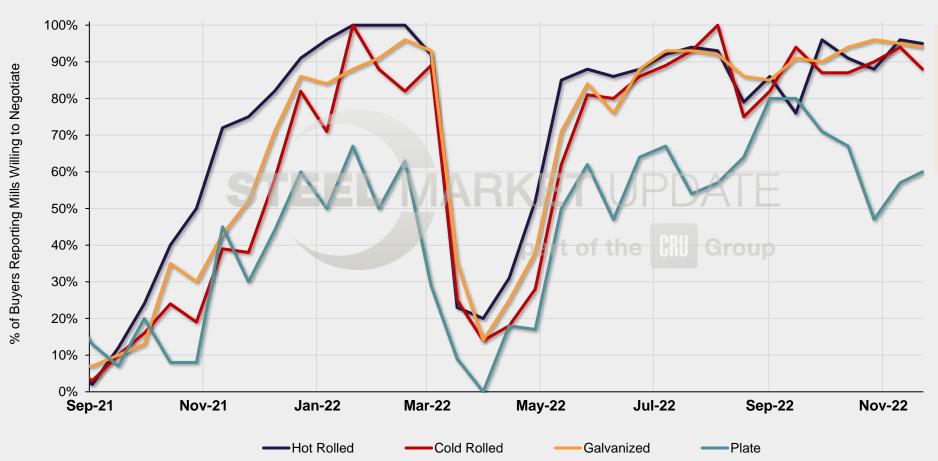


Steel Mill Negotiations



SMU Price Negotiations on New Steel Orders by Product

Through November 22, 2022



Negotiation Rates

Hot Rolled: 95%

Galvanized: 94%

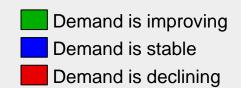
Cold Rolled: 88%

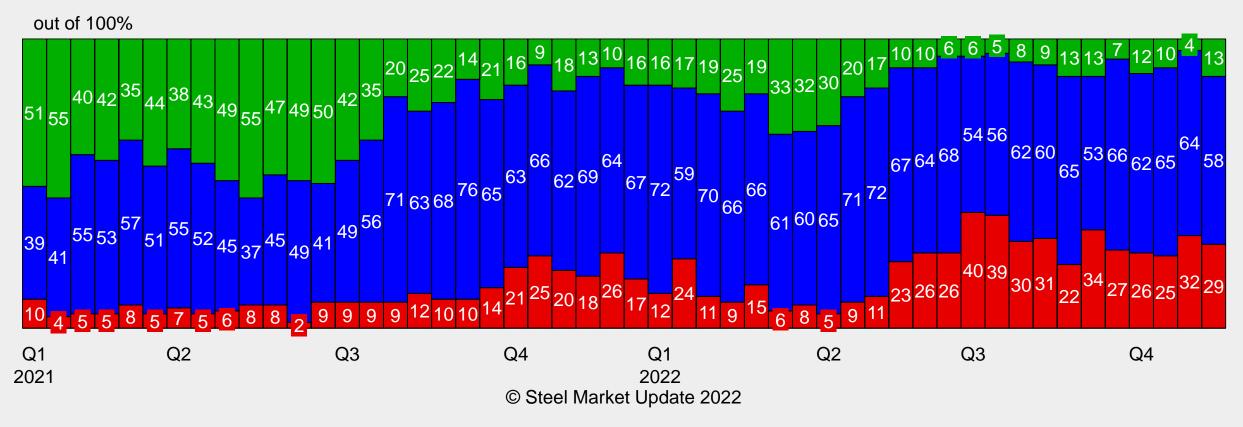
Plate: 60%

Overall Demand History



How are you seeing demand for your products?

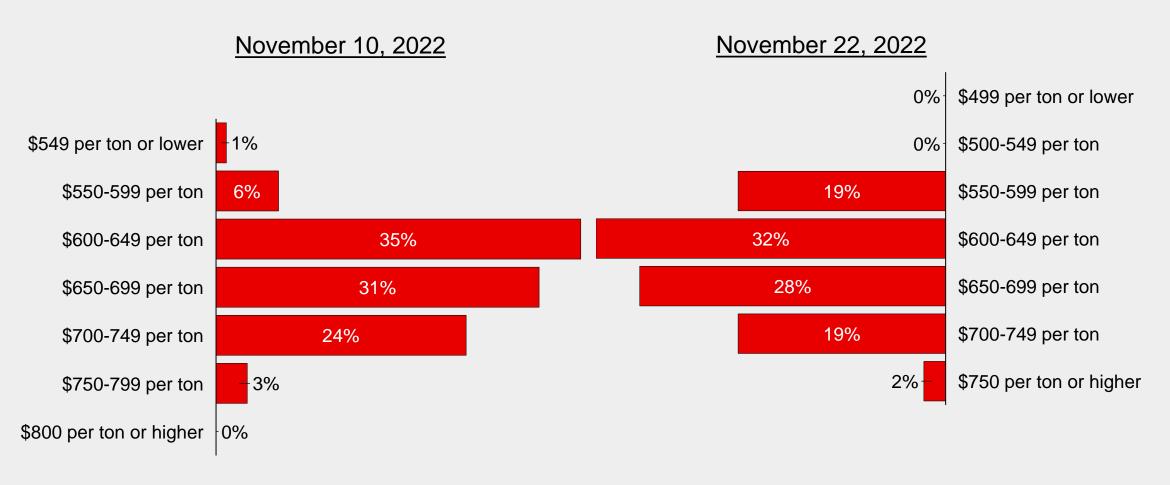




Future Hot Rolled Prices



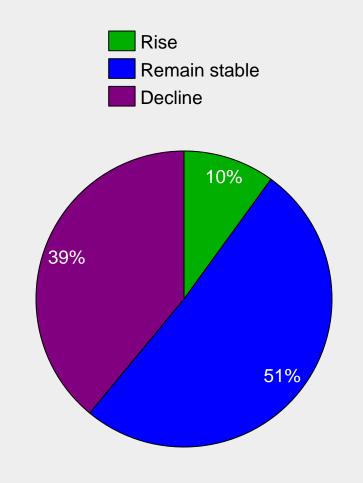
Where do you think HRC prices will be in two months?



December Scrap



Prime scrap prices in December will:



Still the Elephant in the Room?



NEW NORTH	LAST REV	LAST REVIEWED: OCTOBER			
Company	Location	Capacity (short tons per year)	Type or Project	Completion Date	Investment
Stelco - Lake Erie Works	Nanticoke, Ontario	300,000	Blast furnace upgrade	Oct-20	???
Big River Steel (a U.S. Steel company)	Osceola, Ark.	1.65M	Doubling of capacity at existing EAF steet mill	Nov-20	\$1.2B
Ternium	Pesquería, Mexico	4.4M	New hot rolling mill	May-21	\$1.1B
Steel Dynamics Inc. (SDI)	Sinton, Texas	ЗМ	Greenfield EAF sheet mill	Feb-22	\$1.9B
North Star BlueScope	Delta, Ohio	~1M	Expansion of existing EAF sheet mill: 3rd EAF and 2nd caster. First coil produced in June. Construction "substantially complete" as of August 2022.	1H 2022	\$700M
Nucor (Gallatin)	Ghent, Ky.	1.4M	New EAF and LMF commissioned. Caster and second down coiler pending.	June 2022	\$650M
Nucor	Mason County, W.Va.	зм	New EAF sheet mill	2024	\$2.7B
Nucor	Brandenburg, Ky.	1.2M	Greenfield EAF plate mill	Year-end '22	\$1.35B
AM/NS Calvert	Calvert, Ala.	3.0M	Addition of one 1.5M-tpy EAF in 2H 2023. Second 1.5M-tpy EAF being studied.	1H 2023	\$775M
ArcelorMittal México	Lázaro Cárdenas, Michoacán	2.75M	New hot rolling mill	Completed Dec-21	\$1B
U.S. Steel	Osceola, Ark.	ЗМ	New EAF sheet mill	2024	\$3B
Total		24.7M			\$14.375B

Timna Tanners





Timna Tanners is a Managing Director at **Wolfe Research**. She has covered the Metals and Mining sector since 2002. She was ranked #1 in Metals and Mining in the Institutional Investor All-America Research Poll from 2013 to 2018. Before joining Wolfe Research, Tanners worked as a Managing Director at Bank of America, where she covered metals and mining not only in North America but in Latin America as well. She began her career in 2002 at UBS. Tanners has a BA in politics from Pomona College, an MS in journalism from Northwestern University, and an MBA from UCLA. She is based in New York.

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The calm before the sheet storm

Steel Market Update Community Chat

Nov 30, 2022

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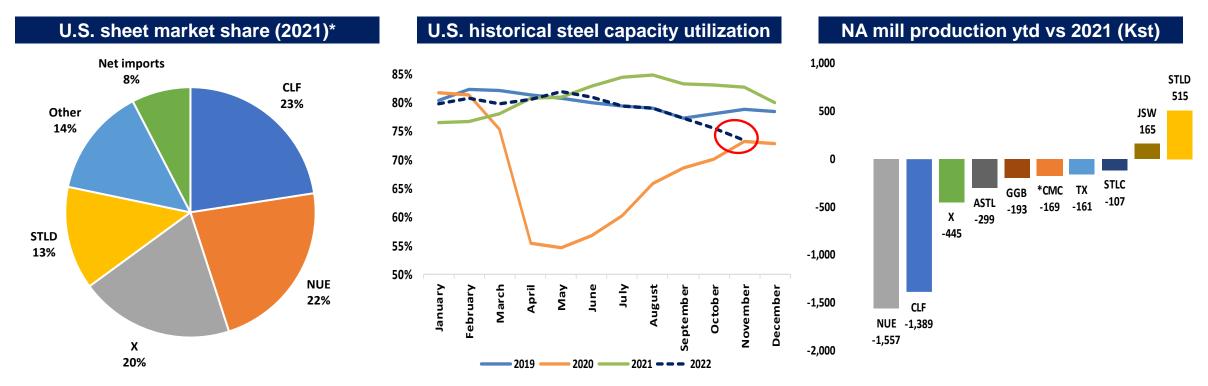


Sheet Storm is brewing



Volume over Value

- > Six months since I last addressed this group, and it's a similar story of oversupply and an uncertain demand outlook.
- ➤ Mill "discipline" seems to have broken down, and with output down 11% y/y they have ample spare capacity.
- > Are they content to let STLD take market share, or will market share battles keep a dark cloud over the NA market?

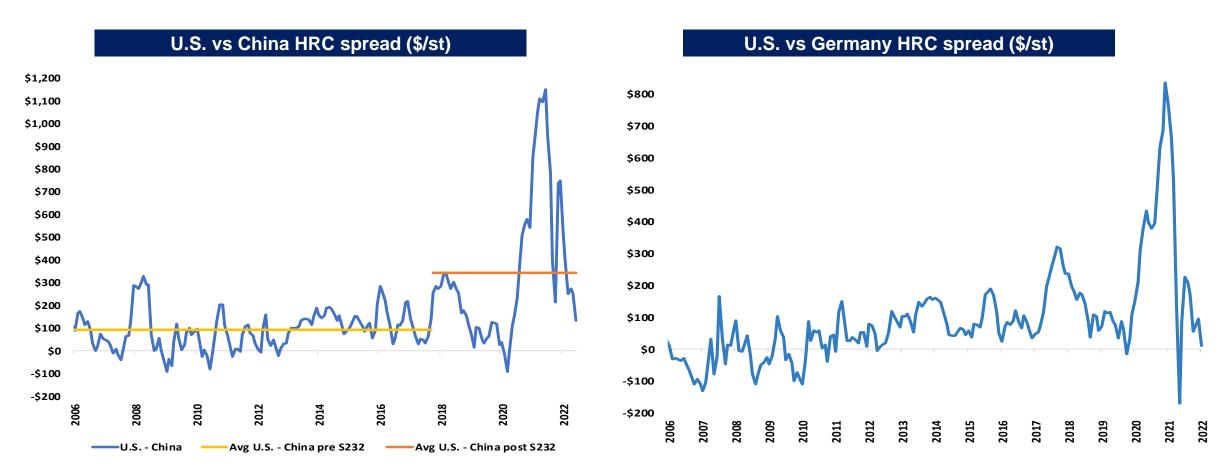


Source: American Iron and Steel Institute (AISI), Wolfe Research, company reports

The good news? Imports unappetizing



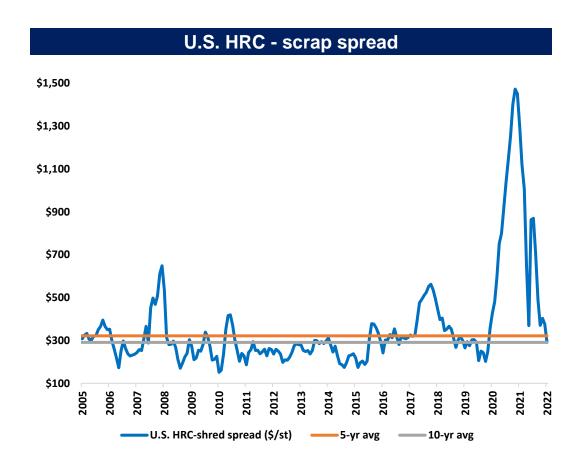
Import offers aren't much below domestic equivalents, with longer lead times. Non S232 exempt is a non starter...

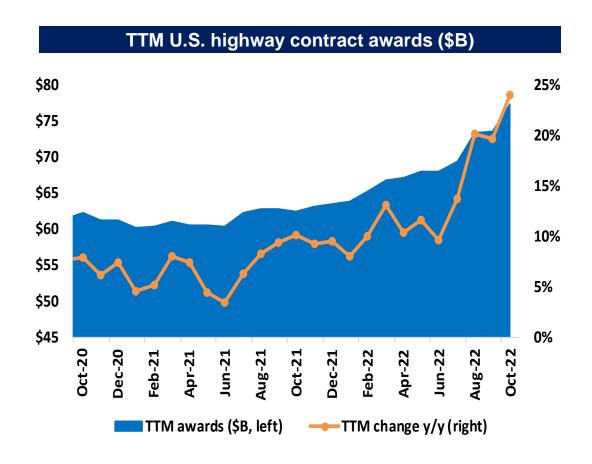


The not-so-bad news: Prices have hit bottom



- > Seasonally better demand is around the corner. Construction season has support from strong backlogs, infrastructure.
- Price hikes can stick as HRC was near marginal costs and scrap is poised to rebound. We see limited upside.





Source: CRU, Platts, ARTBA; Note: Historical HRC-scrap through December 2019

The ugly: So much excess supply, interest rates pinch



- The NA market faces an unprecedented excess of sheet capacity, soon to be followed by a galvanized glut.
- Non-res construction looks poised to roll over in H2, no way they escape the wrath of the Fed.
- > Outsized downstream to shrink past Q1, warehouses, even garage doors (!) to slow.

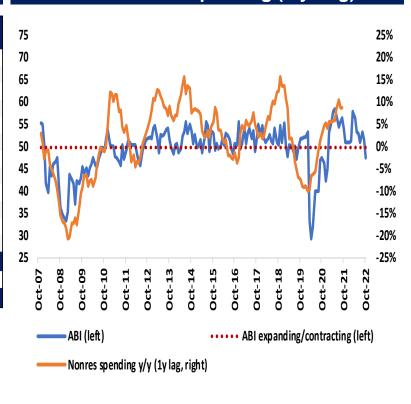
New NA sheet steel capacity (2020-2025E)

Target ramp-up	Company	Capacity
completion	2233,4333,	(Mst/yr)
Q4 2020	Stelco - Lake Erie Works	0.30
Q4 2020	U.S. Steel - Big River Steel (BRS) expansion	1.65
Q4 2022	North Star BlueScope	0.85
Q1 2023E	Steel Dynamics Inc. (Sinton)	3.00
2023E	ArcelorMittal Mexico	2.75
2023E	Ternium	4.40
H1 2023E	AM/NS (Calvert)	1.50
2023E	Nucor (Brandenburg)	1.20
2023E	Nucor (Gallatin)	1.40
2024E	Algoma	3.70
2024E	U.S. Steel (BRS)	3.00
2024E/2025E	Nucor (Apple Grove)	3.00
	Total new capacity:	26.75
2024E	U.S. Steel	1.60
2024E	U.S. Steel	1.40
H1 2023E	AM/NS Calvert	1.50
2022E/2023E	Ternium	0.90
2024E	Algoma	2.80
	Net new capacity:	18.55

New NA galvanized capacity (2020-2025E)

Target ramp-up completion	Company	Capacity (Kst/yr)
H121	Nucor (Hickman)	500
H123E	Steel Dynamics Inc (Sinton)	550
H223E	Steel Dynamics Inc (Sinton)	300
H223E	Steel Dynamics Inc (Terre Haute)	300
2023E/2024E	U.S. Steel - Big River Steel (BRS)	325
H124E	Nucor (Crawfordsville)	300
2024E	U.S. Steel (BRS)	1,000
2024E	Ternium (Pesquería)	300
2024E/2025E	Nucor (Apple Grove)	1,000
H225E	Nucor (Berkeley)	500
TBD	Nucor (western U.S TBD)	TBD
TBD	CSN (U.S. greenfield - TBD)	TBD
	Total new capacity:	5,075
2023E	U.S. Steel-POSCO (UPI)	400
	Net new capacity:	4,675

ABI vs nonres spending (1-yr lag)



Source: Wolfe Research, USGS, AIA, Dodge, company reports

The good times have rolled, inflation may support higher lows



Wolfe price forecast

	2017	2018	2019	2020	2021	Q122	Q222	Q322	Q422E	2022E	Q123E	Q223E	Q323E	Q423E	2023E	2024E	2025E
Carbon steel																	
HRC (\$/st)	\$623	\$835	\$601	\$587	\$1,605	\$1,200	\$1,306	\$837	\$700	\$1,011	\$775	\$750	\$700	\$700	\$731	\$750	\$775
CRC (\$/st)	\$815	\$952	\$755	\$755	\$1,839	\$1,745	\$1,740	\$1,223	\$950	\$1,415	\$1,000	\$950	\$900	\$875	\$931	\$910	\$925
HDG(\$/st)	\$889	\$1,033	\$839	\$830	\$1,923	\$1,748	\$1,821	\$1,273	\$1,000	\$1,460	\$1,050	\$1,000	\$950	\$925	\$981	\$960	\$975
Plate (\$/st)	\$684	\$941	\$811	\$638	\$1,478	\$1,844	\$1,933	\$1,808	\$1,650	\$1,809	\$1,525	\$1,350	\$1,200	\$1,100	\$1,294	\$1,050	\$975
Rebar (\$/st)	\$549	\$687	\$669	\$615	\$911	\$1,066	\$1,144	\$1,014	\$980	\$1,051	\$990	\$925	\$860	\$835	\$903	\$825	\$765
Scrap																	
Scrap (HMS 1/2) (\$/lt)	\$278	\$329	\$258	\$250	\$426	\$454	\$441	\$308	\$270	\$368	\$340	\$325	\$310	\$310	\$321	\$325	\$340
Scrap (Shredded) (\$/lt)	\$302	\$355	\$285	\$276	\$473	\$519	\$543	\$432	\$375	\$467	\$450	\$445	\$430	\$430	\$439	\$445	\$450
Scrap (Busheling) (\$/lt)	\$365	\$398	\$320	\$312	\$582	\$583	\$712	\$452	\$365	\$528	\$475	\$495	\$480	\$480	\$483	\$495	\$490

Key themes for 2023...



The revenge of the scrap

- More domestic demand, as EAFs ramp up.
- Turkey could also refire capacity for double whammy after crushing H222.
- Less construction means less demolition supply.
- > Yet price cap as foreign mills now have practice making pig iron if prices surge enough.

Volume over value? May the lowest cost mill win...

- Minimills' cost advantage could erode given the above.
- Low prices could again force the hand of higher cost players/older mills, especially in H223 as demand rolls over.

U.S. exports?

- > A strong dollar makes this tough. In order to be competitive prices have to be below global OR mills are dumping...
- U.S. mills have shareholders that like to see profits. That is somewhat unique.

China weary of making steel at a loss? Russia to stop dumping?

- China has an indirect impact on the U.S. market, with any closures able to pressure raw materials costs.
- We can't predict geopolitics, but Russia ended up being a negative for the industry broadly.
- Less excess supply from China and Russia would be positive.

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To contact Michael Cowden: Michael@SteelMarketUpdate.com

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Tom Derry





Tom Derry is Chief Executive Officer of the Institute for Supply Management® (ISM®), with more than 30 years of experience in leadership and general management roles for public and private companies, and in the not-for profit sector. He has executed turn-arounds at the corporate and business-unit level through a variety of means, including acquisitions, divestitures, restructuring, and business process re-engineering.

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Timna Tanners
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