

DECARBONIZATION & CIRCULARITY

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NUCOR®

NUCOR TODAY



LARGEST STEEL AND STEEL PRODUCTS PRODUCER IN THE U.S.

- **25.2 million tons** of steel and steel products shipped to outside customers in 2023
- **>32,000 teammates** working safely at over **300 facilities** in North America



LARGEST RECYCLER IN WESTERN HEMISPHERE

Nucor **recycles** over **20M tons** of scrap metal annually at its 29 EAF steel mills



FORTUNE 102 COMPANY

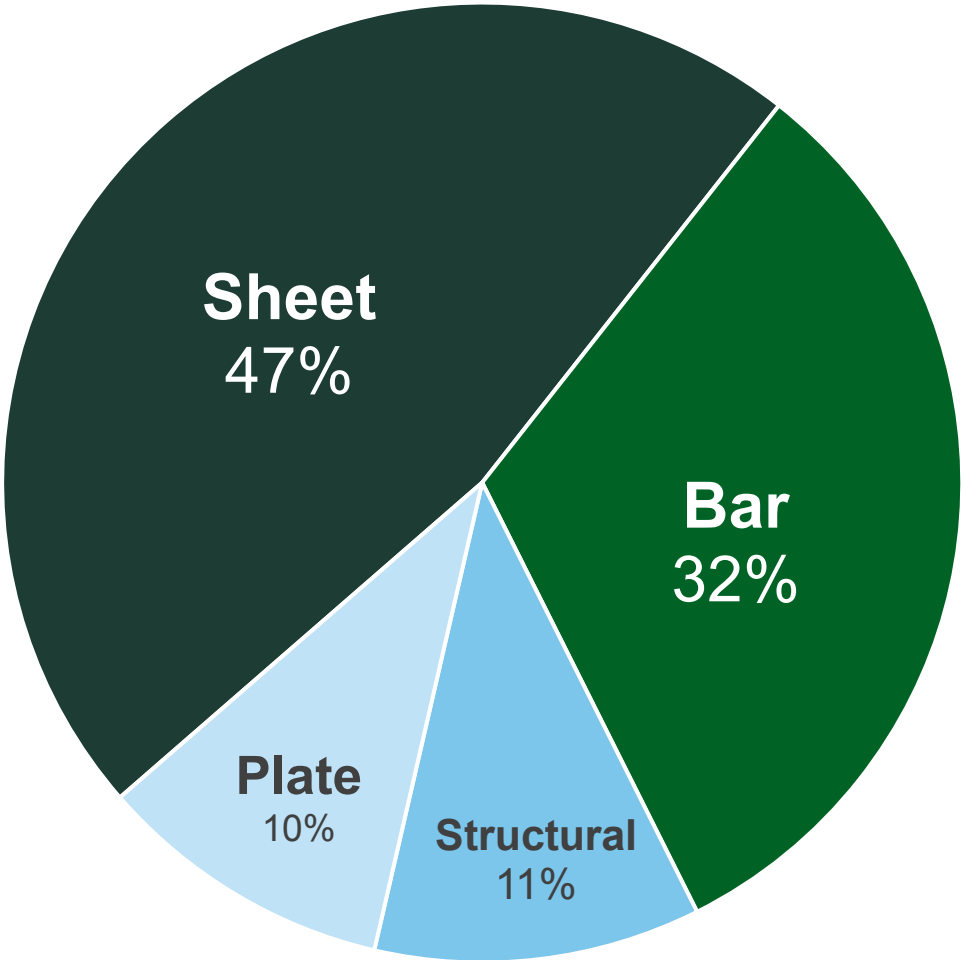
- \$34.7 billion in sales in 2023
- \$14.7 billion in capital returned to Nucor stockholders since 2012
- NYSE listed: NUE

ANNUAL CAPACITY: STEEL MILLS

PRODUCT	CAPACITY
Sheet	13.8
Bar	9.6
Structural	3.3
Plate	2.9
Total Steel	29.5

Capacity in millions of short tons as of December 31, 2023

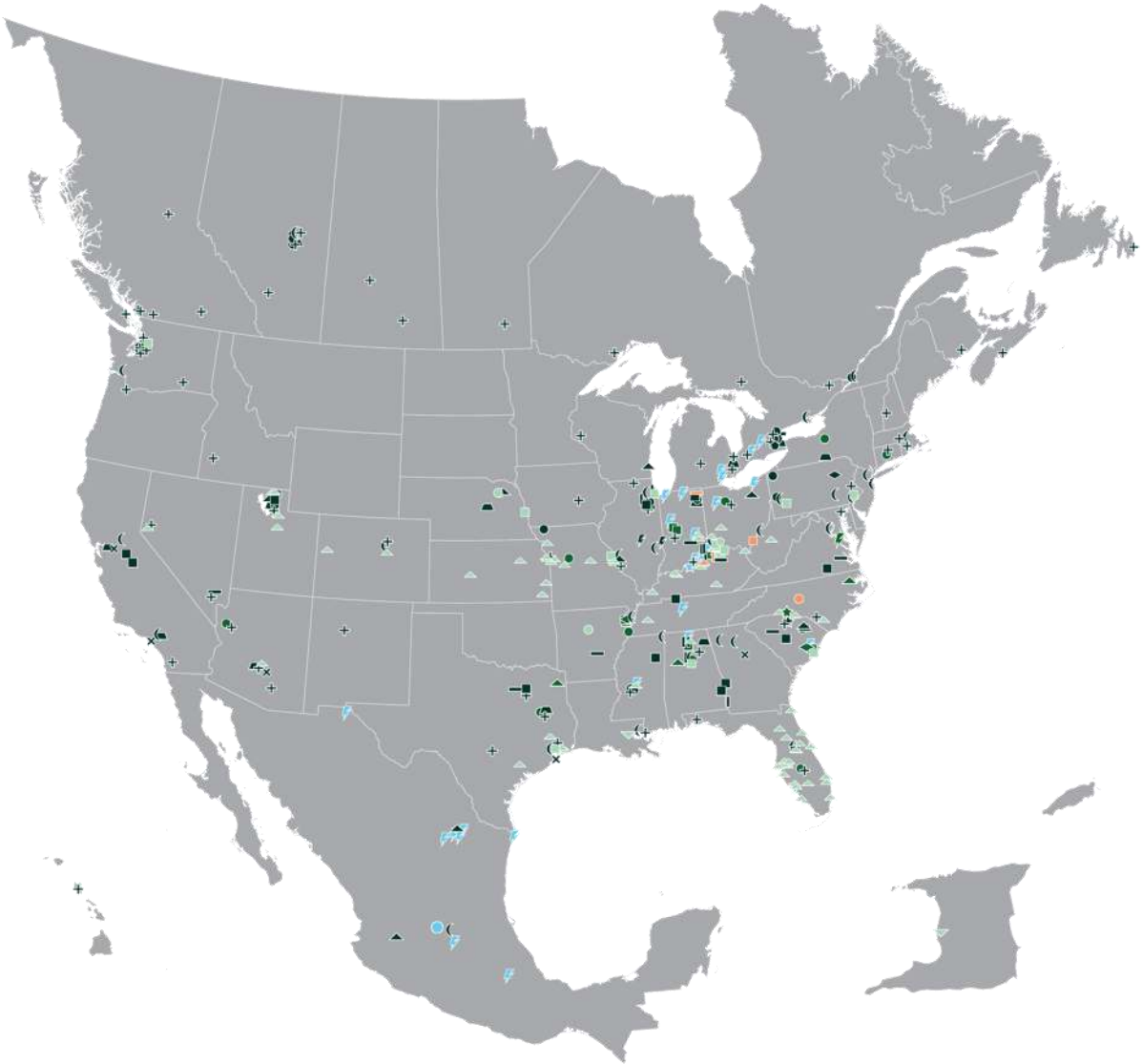
Excludes the Nucor Steel Crawfordsville Sheet Mill Expansion, the Nucor West Virginia Sheet Mill, and the Nucor micro mill in Lexington, North Carolina.



NUCOR LOCATIONS

Nucor's more than **300 locations** across North America include steelmaking, steel products, and raw materials facilities.

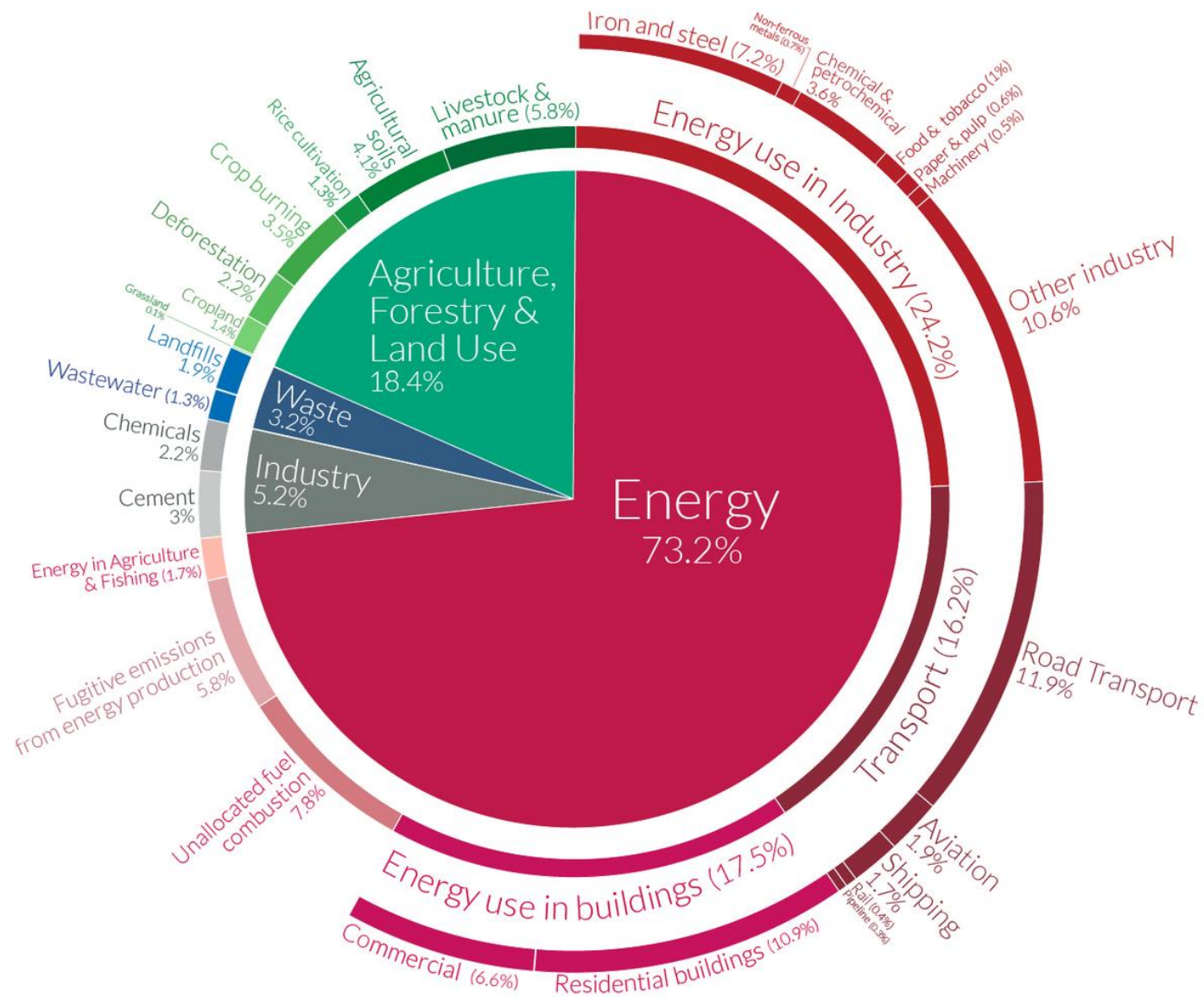
STEEL MILLS	
●	BAR MILLS
■	SHEET MILLS
◆	BEAM MILLS
▲	PLATE MILLS
★	NUCOR PUBLIC AFFAIRS OFFICE
★	NUCOR CORPORATE OFFICE
STEEL PRODUCTS	
+	REINFORCING PRODUCTS
■	BUILDINGS GROUP
▲	VULCRAFT & VERO
▲	COLD FINISH
●	STEEL MESH, GRATING, & FASTENERS
★	HARRIS CORPORATE OFFICE
★	SKYLINE FACILITIES
★	SKYLINE CORPORATE OFFICE
+	TUBULAR PRODUCTS
■	INSULATED PANEL GROUP
×	RACKING
▲	OVERHEAD DOORS
◆	TOWERS & STRUCTURES
RAW MATERIALS	
▲	SCRAP PROCESSING
■	BROKERAGE OFFICE
▼	DRI PLANTS
○	OTHER
★	DJI CORPORATE OFFICE
STEEL PRODUCTS JOINT VENTURE	
★	STEEL TECHNOLOGIES LLC
★	STEEL TECHNOLOGIES LLC CORPORATE OFFICE
○	NUCOR/JFE STEEL MEXICO
UNDER CONSTRUCTION	
▲	NUCOR STEEL BRANDENBURG PLATE MILL
■	TRUECORE INDIANA
■	NUCOR TUBULAR GALLATIN
■	NUCOR STEEL WEST VIRGINIA SHEET MILL
○	NUCOR STEEL LEXINGTON BAR MILL



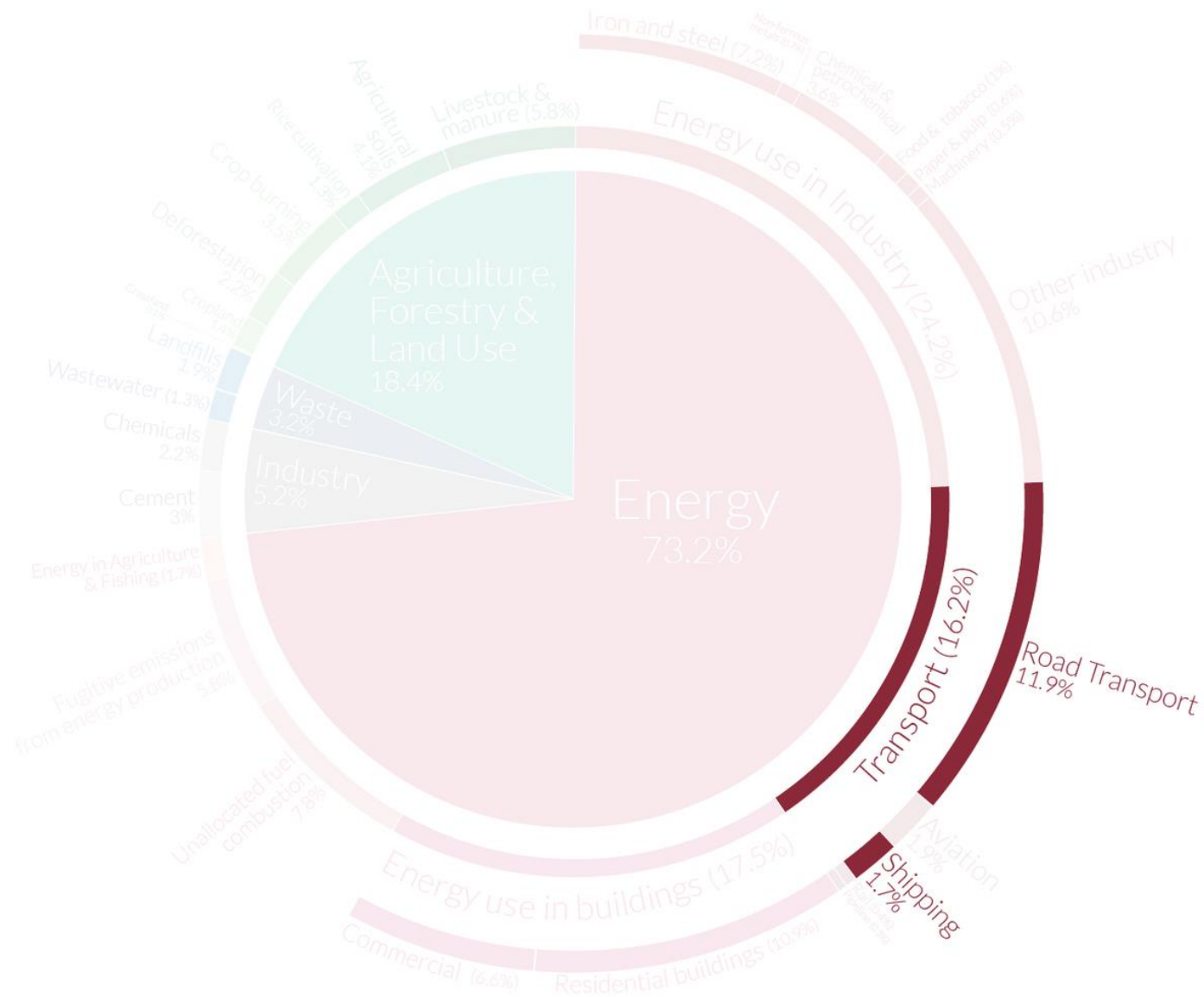
INDUSTRIAL DECARBONIZATION

WHAT DOES IT MEAN?

GLOBAL GREENHOUSE GAS EMISSIONS BY SECTOR

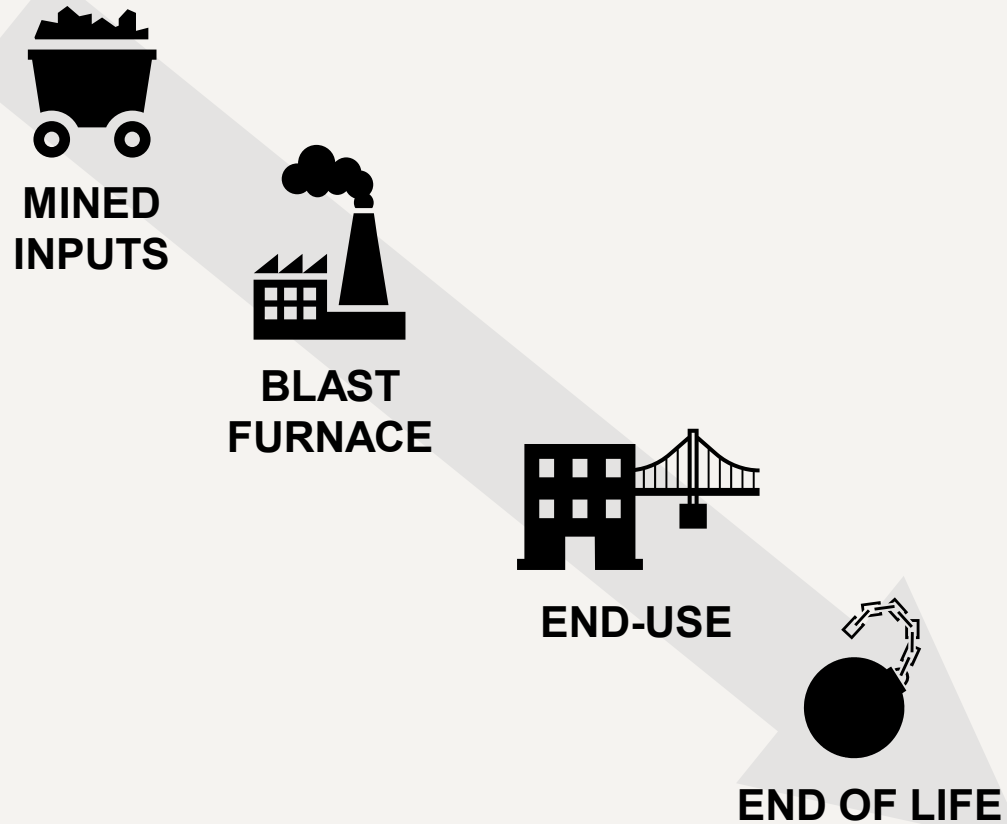


GLOBAL GREENHOUSE GAS EMISSIONS BY SECTOR

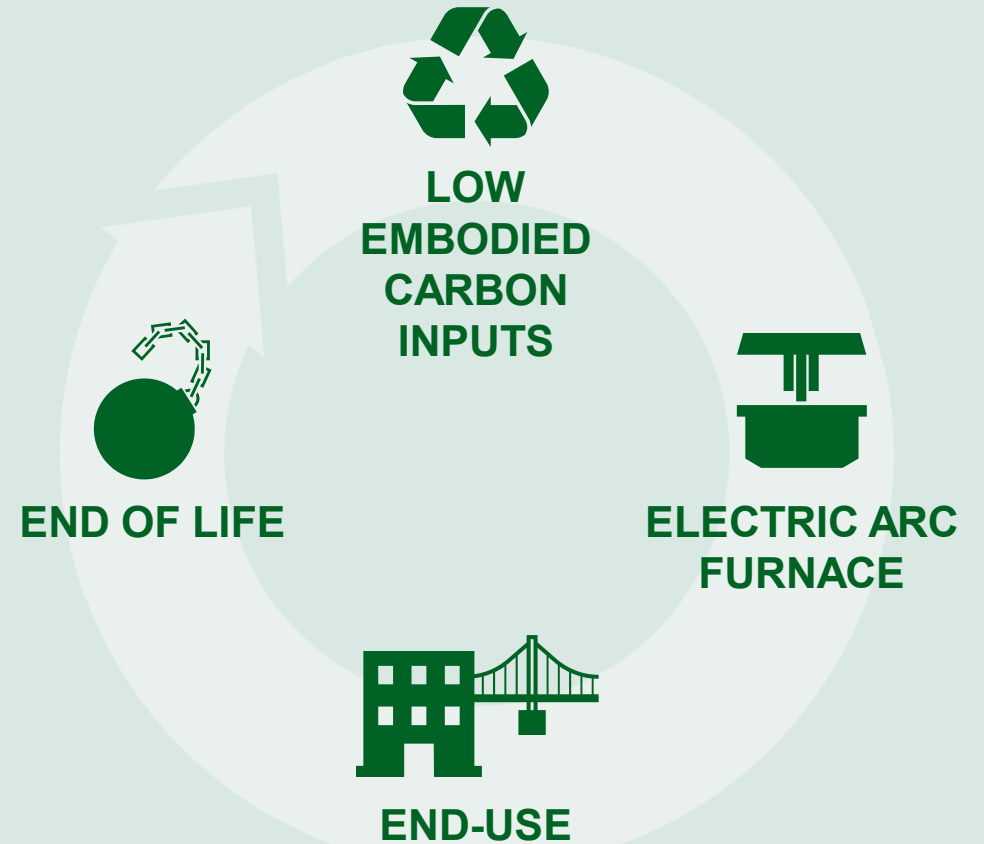


EXTRACTIVE VS CIRCULAR STEELMAKING

EXTRACTIVE STEELMAKING



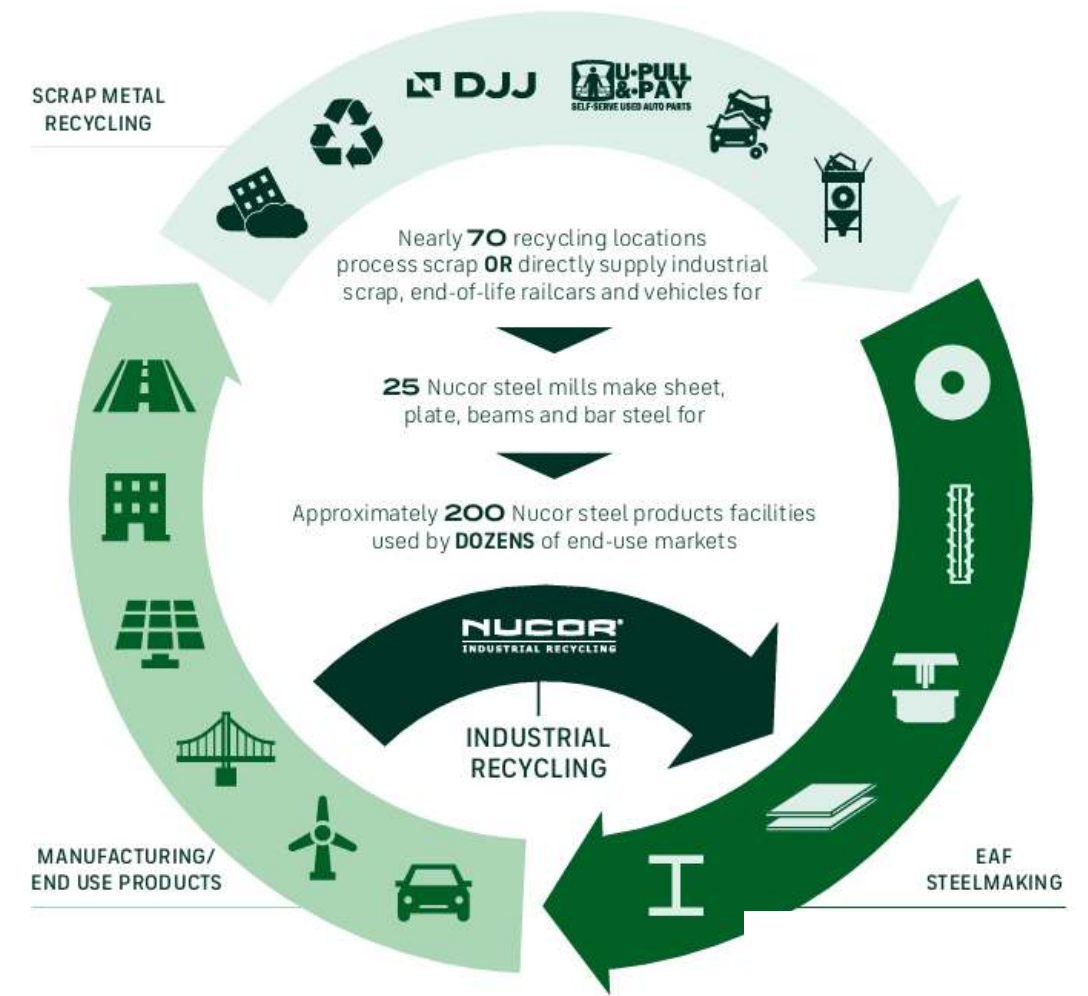
CIRCULAR STEELMAKING



MAKING STEEL THROUGH RECYCLING



Nucor's Vertical Integration & Product Lifecycle



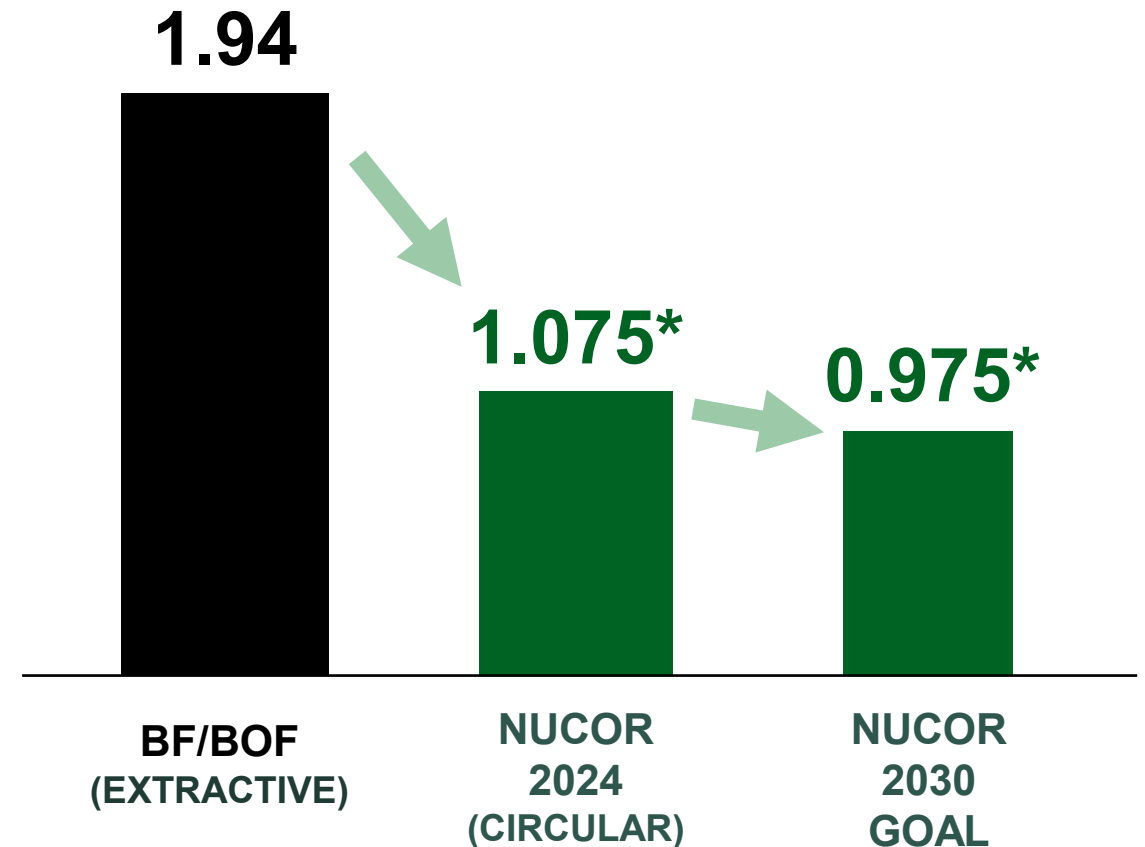
NUCOR'S GHG FOOTPRINT VS. EXTRACTIVE STEELMAKING

REDUCING GHGs THROUGH INVESTMENT AND RESEARCH

- Nucor's GHG intensity with Scope 3 is 55% of BF/BOF (extractive) steelmaking
- Investments in cleaner industrial power will lower our Scope 2 emissions
- Operational adjustments (low copper shred, green pig, charge carbon) will lower our Scope 3 emissions
- Investments like our partnership with ExxonMobil in carbon sequestration will create "greener" DRI to further reduce our Scope 3 emissions

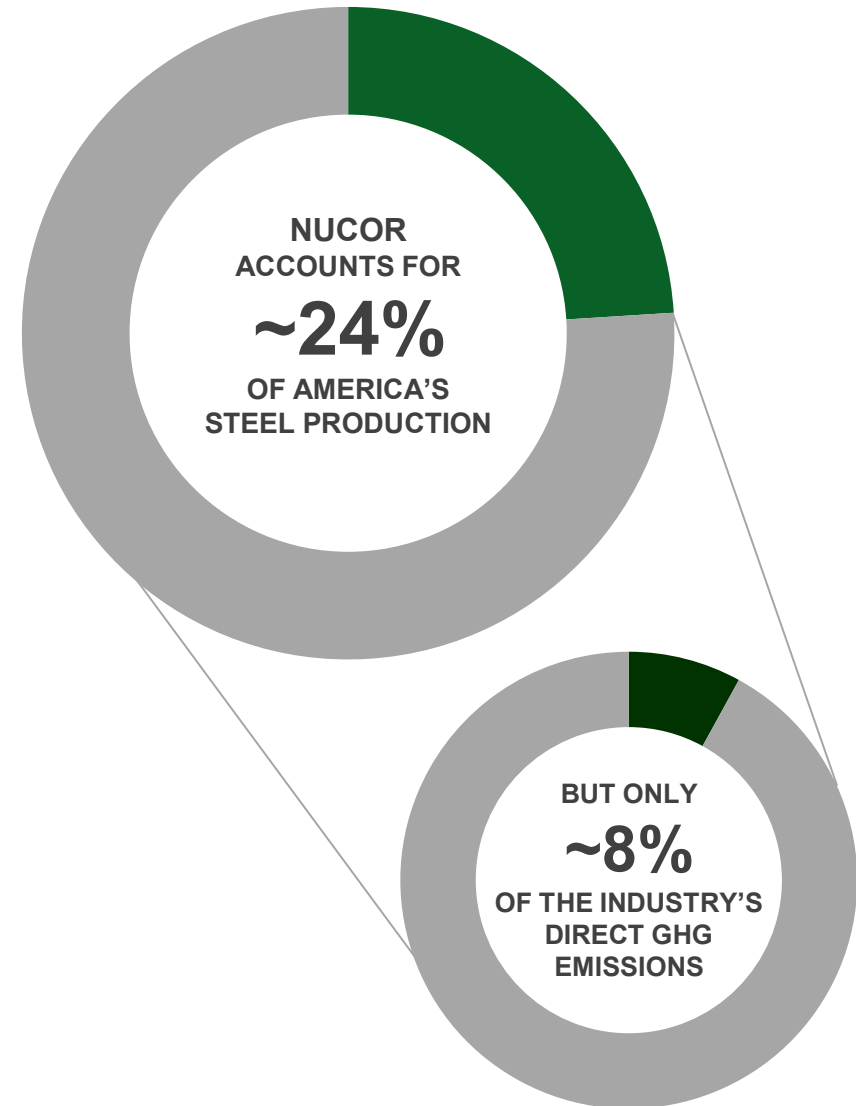
*more broad definition as compared to WorldSteel data

METRIC TONS OF CO₂ PRODUCED
PER METRIC TON OF STEEL PRODUCED*
(SCOPES 1 + 2 + 3)



LEADER IN SUSTAINABLE STEELMAKING

Nucor's operations generate **only a fraction** of the greenhouse gas emissions compared to traditional steelmaking



DIFFERENCE BETWEEN GHG EMISSION SCOPES



SCOPE 1 NUCOR EMISSIONS

- Direct emissions under the control of Nucor
- Caused by consuming carbon bearing materials
 - Natural Gas
 - Injection/Charge Carbon
 - DRI/Pig/HBI
 - Lime
 - Electrodes

17%

OF NUCOR TOTAL*

Can be reduced through efficiency improvements and iron unit mix



SCOPE 2 ELECTRICITY

- Purchased Electricity
 - Location Based – Grid emissions reported by utility or reporting entity
 - Market Based – Contractually based emissions factors between utility and Nucor

21%

OF NUCOR TOTAL*

Easiest to reduce through VPPA's and on-site renewable generation



SCOPE 3 EVERYTHING ELSE

- Upstream and/or Downstream Emissions
- Caused by others producing materials consumed by Nucor
 - DRI/Pig/HBI
 - Burnt Lime
 - Electrodes
 - Gases – Oxygen, Nitrogen, Argon
- Inbound/outbound transportation

62%

OF NUCOR TOTAL*

Reduction potential largely based on raw materials

NUCOR IS MADE FOR GOOD

Made for Good is a campaign highlighting Nucor's leadership role in sustainable steel production and our work across industries to help customers achieve their sustainability goals.



 DEC 2022 Investment in Electra to develop carbon-free iron to make steel	 APR 2023 Announced effort to develop carbon emissions standard for global steel industry – Global Steel Climate Council (GSCC)	 JUN 2023 CCS Agreement with ExxonMobil to capture, transport and store up to 800,000 mt/yr. CO ₂ from Nucor Louisiana DRI plant	 AUG 2023 Executed 250MW Sebree solar PPA with NextEra Energy	 SEPT 2023 Investment in Helion Energy to develop 500MW fusion plant
 NOV 2022 First major industrial company to join the UN 24/7 Carbon-Free Energy Compact	 JAN 2023 Introduced Elcyon™ , a sustainable high-strength steel plate for offshore wind monopile foundations	 MAY 2023 MOU with NuScale to explore advanced nuclear facilities near Nucor mills	 AUG 2023 Through GSCC, proposed a Global Steel Standard mandating science-based emission targets for steel manufacturers	 MAR 2024 Google, Microsoft and Nucor announce initiative to aggregate demand to scale advanced clean electricity technologies

THE WORLD'S FIRST NET-ZERO CARBON STEEL AT SCALE

- Helps steel users meet their sustainability goals
- **Econiq™ certification** can be applied to **any product from our steelmaking facilities**
- Eliminates **Scope 1** emissions through carbon offsets
- Eliminates **Scope 2** emissions through 100% Renewable Electricity via VPPAs
- Can also eliminate **Scope 3** emissions through carbon offsets



**THE GREEN ECONOMY IS BEING
BUILT WITH STEEL,
AND THE STEEL IT'S BUILT
WITH MATTERS.**

**FOR MORE INFORMATION, GO TO
NUCOR.COM/SUSTAINABILITY**

THANK YOU

NUCOR®