NUCOR®

WHERE WE ARE...

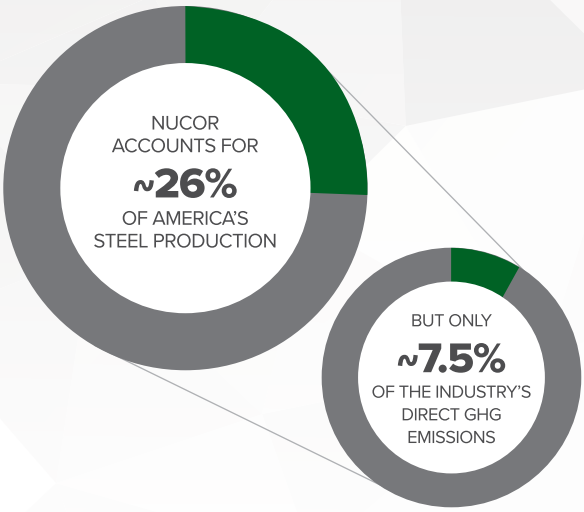
GREEN **STEEL.** GREEN **JOBS.** GREEN **OPPORTUNITIES.**

Nucor is America's largest steel producer and recycler. Nucor employs nearly 27,000 teammates at 24 steel mills and more than 300 facilities.

For more than 50 years, Nucor has been built on a sustainable model of recycling steel to produce new steel and steel products, and we continue to push recycled steel into products where it was never considered viable. Over the last decade, while already best-in-class in environmental performance, we invested an additional **$350 MILLION** on environmental process equipment to get even better! ***In short, we were green before it was cool to be green.***

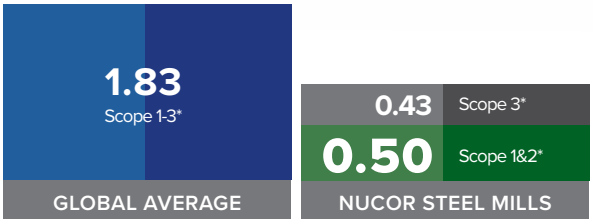
Every Nucor steel mill uses an electric arc furnace (EAF) that melts recycled scrap and turns it into new steel. EAFs are **far less carbon-intensive and more energy efficient** than traditional blast furnace steelmaking, which makes steel by burning iron ore and coking coal. Last year, Nucor turned **20 MILLION TONS** of scrap into new steel products that are **100% recyclable** at the end of their useful life.

In addition to producing up to 27 million tons of green, recycled steel each year, Nucor also makes up to 4.5 million tons of Direct Reduced Iron (DRI), a natural gas-based iron input that is blended with scrap in our EAFs to make higher grades of steel. By using natural gas, our two DRI plants each emit about **ONE-HALF the CO_2** compared to iron produced in blast furnaces at integrated steel mills.



GREENHOUSE GAS INTENSITY

Average tons of CO_2 emitted per ton of steel produced



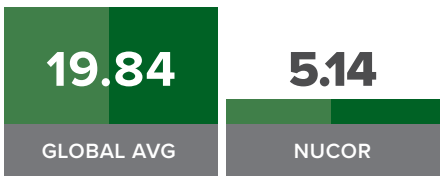
Nucor's yearly GHG savings vs. the global average equal the emissions of **4 MILLION** gas-powered cars

NUCOR ACHIEVES 2030 CLIMATE BENCHMARKS TODAY

International Energy Agency recommendations to effectively address goals set by the Paris Climate Agreement

#1 **Energy intensity** of steel needs to decline by 1.2% annually 2018-30

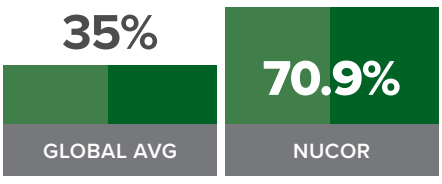
Nucor's energy intensity is CURRENTLY 74% lower than the global average



Average gigajoules per ton of metric steel produced

#2 **Scrap inputs** should be over 40% of steel production by 2030

Scrap inputs ALREADY account for 70.9% of Nucor's steel



Average percent recycled content of steel produced

PARIS CLIMATE AGREEMENT BENCHMARKS

Steel Sector Emissions Intensity
Scope 1 & 2*
metric tons of CO_2e per metric ton of steel produced

	2025	2030
Below 2 Degrees	1.05	0.82
2 Degrees	1.37	1.13
Paris Pledges	1.65	1.64
NUCOR (2019)	**0.50**	

**GHG emissions: Scope 1 = direct emissions from operations; Scope 2 = indirect emissions from purchased electricity; Scope 3 = indirect emissions from upstream and downstream businesses*

...WHERE WE ARE GOING

STEEL'S SUSTAINABLE **FUTURE**

Our recycling-based EAF approach is the most sustainable means of producing steel for its efficiency, flexibility and environmental attributes. However, we realize that being America's cleanest and most efficient steelmaker is not enough. We continuously look to reduce our GHG emissions and our impact on climate change by becoming even more energy efficient in all aspects of our business.

We are committed to actively:

1. Supporting the continued growth of clean power generation in the U.S.
2. Exploring the feasibility of capturing and storing our CO_2 emissions
3. Monitoring, evaluating and investing in new technologies in steelmaking to further reduce our GHG intensity

INVESTING GREEN:

Supporting new solar power generation

Our 15-year Virtual Power Purchase Agreement (VPPA) will enable the construction of 250MW of new solar energy in Texas – equal to the electricity usage of *nearly 50,000 Texas homes*. Signed in November 2020, the VPPA is the largest ever of its kind for the steel industry.

Supporting new wind power generation

Nucor Steel Sedalia, our new rebar micro mill in Missouri, entered a 10-year contract with its electric provider for a 55MW allocation from a new wind farm in Clark County, Kansas.

Building steel plate mill for the next generation of American wind power

Our new $1.7 billion Nucor Steel Brandenburg facility in Kentucky will be one of only a few mills in the world capable of supporting the offshore wind market's towers and foundations.

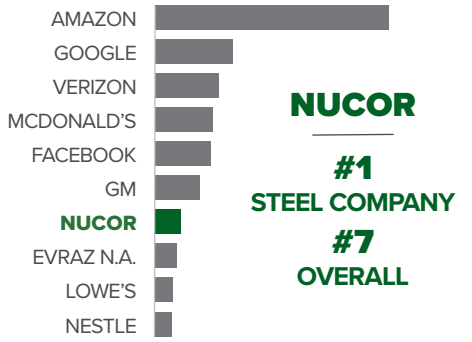
Reducing the amount of natural gas required to produce a ton of steel

We continue to invest in new natural gas combustion technologies that are reducing the natural gas intensity at our steel mills.

Making cars lighter and reducing their life cycle emissions

We are investing to produce 3rd Generation Advanced High-Strength Steel (AHSS) products that will allow vehicles to meet stricter mileage standards and reduce emissions. Until recently, AHSS products were only made by high emissions blast furnaces. AHSS-intensive vehicles also have lower life cycle GHG emissions than aluminum-intensive vehicles for every class of vehicle tested.

TOP 10 CORPORATE RENEWABLE ENERGY BUYERS IN U.S.*



Renewable Energy Buyers Association, as of Dec. 31, 2020

For additional information, please visit www.nucor.com
Nucor's Commitment on Climate Change
2020 Nucor Sustainability Report