AWPA

Nucor Engineered Bar Group

Nucor Steel Norfolk, Nebraska Upgrade

Project Overview

- $58M Capital Investment
- Replaces existing equipment which limits product and quality capabilities
- New Reheat Furnace
- New Intermediate Mill
- Coil Conveyor extension with added Trimming and Inspection Station
- Targeting Late 2022 to Early 2023 Start-up

Commercial Benefits

- New Reheat Furnace – Tighter decarb control to meet high end automotive fastener, coil spring and constant velocity joint specs.
- New Intermediate Mill – Improved yield, coil packaging, and surface quality with additional safety benefits.
- Trimming Station – Provides the capability to trim head & tail of coil to meet surface quality specifications for Automotive Fastener and Coil Spring applications.

Nucor Steel Darlington, SC

Vacuum Tank Degasser

Nucor Steel Darlington, SC Degasser

Project Overview

- $35M Capital Investment
- Start-up: Now….hot commissioning is exceeding expectations in both hydrogen reduction and pump-down time

Commercial Benefits

- Removal Of Hydrogen
- Improved Cleanliness / More Consistent Removal Of Inclusions
- Provides Dual Supply Chain For Critical Customers
- Expand product offering: Bearing, Aircraft, & Automotive Quality Standards, Aluminum Killed, Re-sulfurized Grades
- New products
  - Transmission & Heavy Axle parts – Gears, shafts and axles
  - Coil springs, Stabilizer Bars
- Grades – Some New & Some Current w/ New Rqmts.
  - 16MnCr5, 4120, 10B38 and 1053
  - 5160, 9254, 8620, 1541

THE GREEN ECONOMY IS BEING BUILT ON STEEL

Whether we're talking wind turbines, solar arrays or electric vehicles, the green innovations that are driving the American economy depend on the creation of high quality, sustainable steel.

[1]Biden announcement March 2021 [2]Nucor estimates (~230 tons of steel per MW offshore wind)

What does this look like?

30 GW

Offshore wind energy planned
by 2030 to power America

↓

7M

Tons of steel required
to build these wind turbines

THE STEEL THAT IT'S BUILT FROM MATTERS.

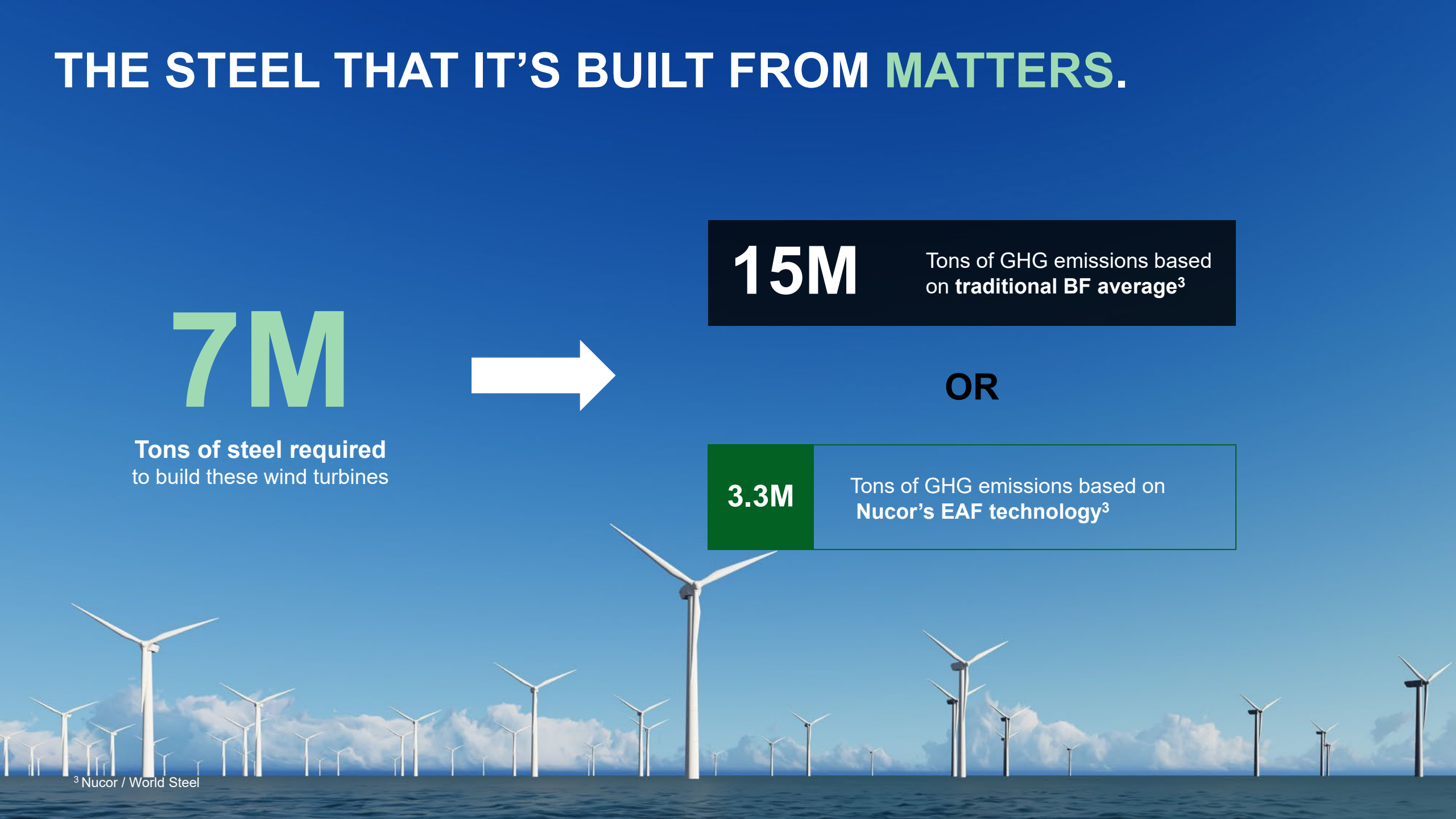
7M

Tons of steel required
to build these wind turbines

15M Tons of GHG emissions based on **traditional BF average**[3]

OR

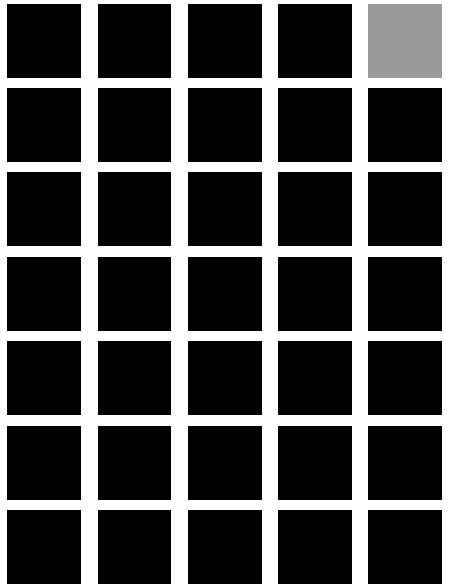
3.3M Tons of GHG emissions based on **Nucor's EAF technology**[3]



[3] Nucor / World Steel

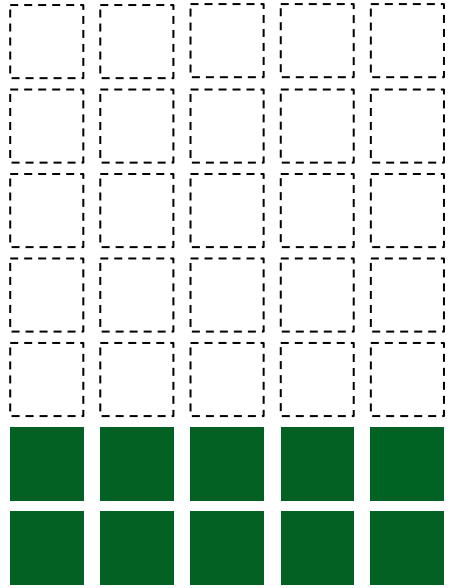
IF EVERYONE MADE STEEL
THE WAY NUCOR MAKES STEEL

This would eliminate more than **2 billion tons** of GHG every year



3.4B tons

Global GHG emissions from steel production[1]



1.0B tons

Global GHG emissions if all steel companies made steel like Nucor[2]

[1]World Steel: 2B tons global steel production * 1.69 GHG per ton (global average 2019),
[2]2B ton global steel production * 0.503 GHG per ton (Nucor average 2019)

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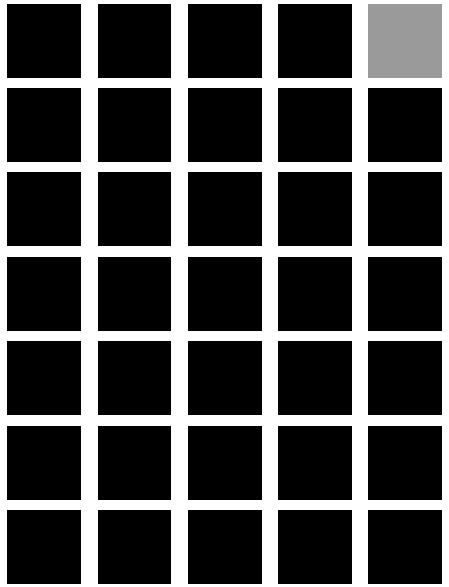
THE REDUCTION WOULD BE EQUIVALENT TO

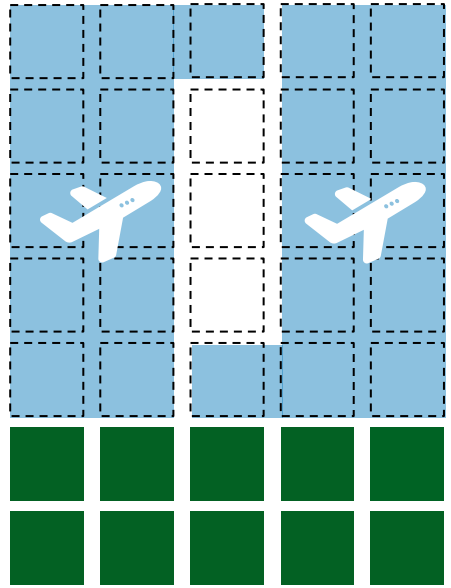
Grounding the entire airline industry.

Twice.



3.4B tons

Global GHG emissions from steel production[1]



1.1B tons

Global GHG emissions from aviation[2]

[1]World Steel: 2B tons global steel production * 1.69 GHG per ton (global average 2019),
[2]2B ton global steel production * 0.503 GHG per ton (Nucor average 2019)

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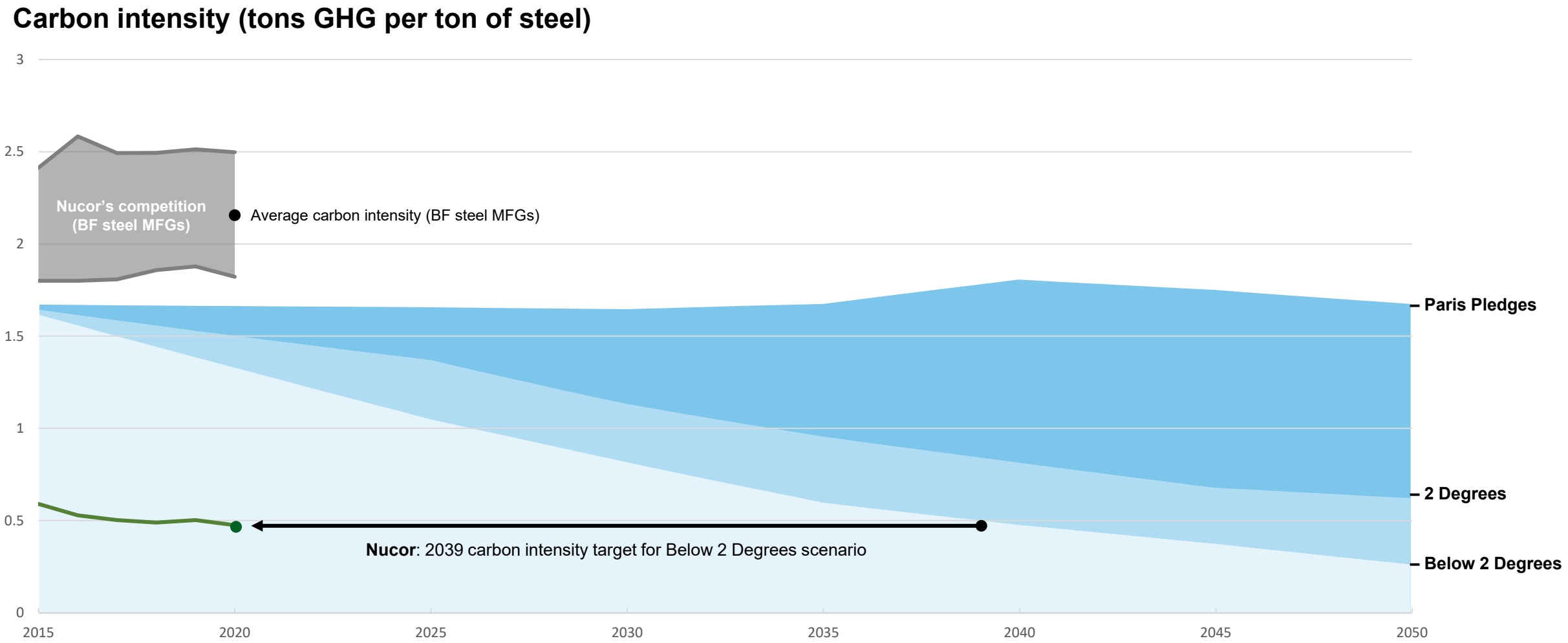
NUCOR: 18 YEARS AHEAD OF THE BELOW 2 DEGREES TARGET



Source: Transition Pathway Initiative 2020, BF average from World Steel (2019 data). Notes: TPI data includes Scope 1 + 2. Data selected is based on TPI availability.

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AND WE ARE COMMITTED TO GOING FURTHER.

Since 2015, when the Paris agreement was signed, we have doubled down on our sustainability efforts.

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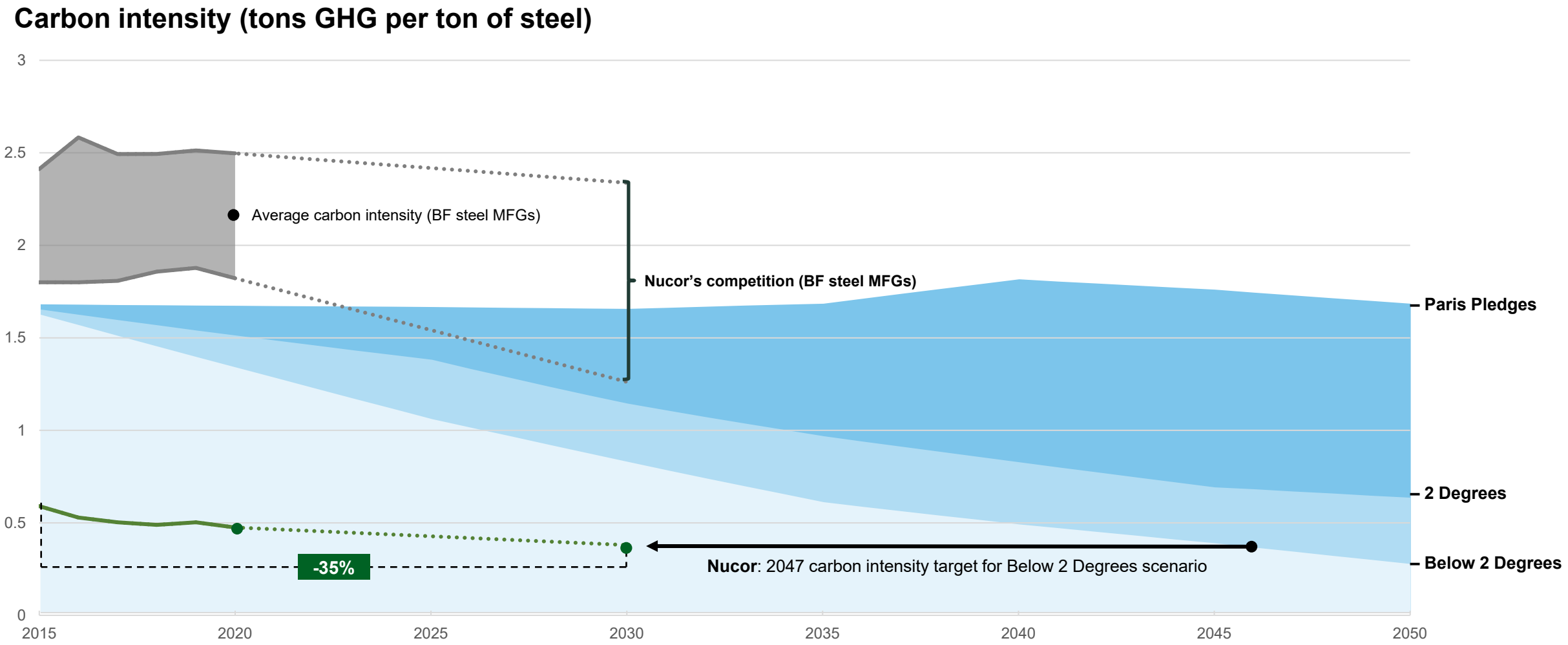
NUCOR: 77% LESS THAN TODAY'S WORLD AVERAGE BY 2030.



Source: Transition Pathway Initiative 2020, BF average from World Steel (2019 data). Notes: TPI data includes Scope 1 + 2. Data selected is based on TPI availability.

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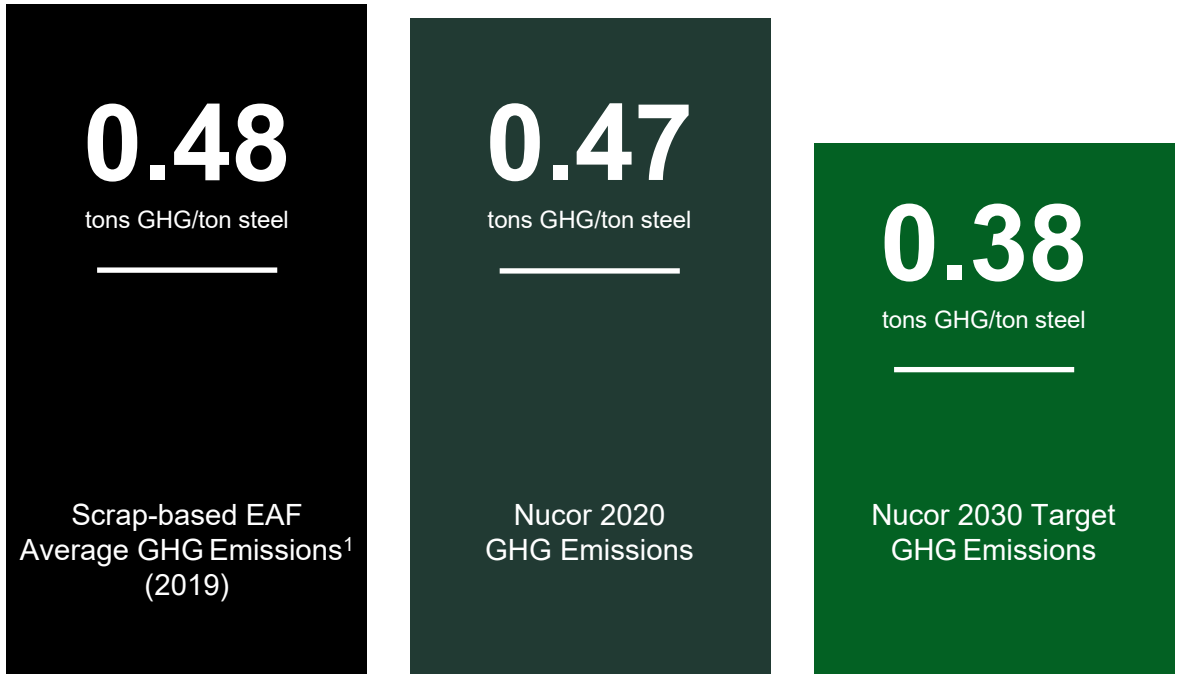
NUCOR IS LEADING THE CHARGE

EVEN AMONG EAF PRODUCERS

We are setting the example by:

- Maintaining our position as the world's leading sustainable steel company[2] through aggressive 2030 targets
- Spearheading the market for EAF-produced advanced high strength steel
- Pioneering the circular economy of steel through closed loop recycling practices

[2]The lowest carbon intensity among the world's top 20 steel producers, and the most ambitious medium term commitments



[1]World Steel, 2019 EAF emissions (scope 1+2)

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WE ARE WELL ON OUR WAY TO ACHIEVING OUR 2030 TARGETS.

And the hard work doesn’t stop there.

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BEYOND 2030

We are committed to continuing reductions in carbon intensity towards the ambition of **zero-emission steel at scale.**

Thank You for the Opportunity!