

# NET ZERO BY 2050

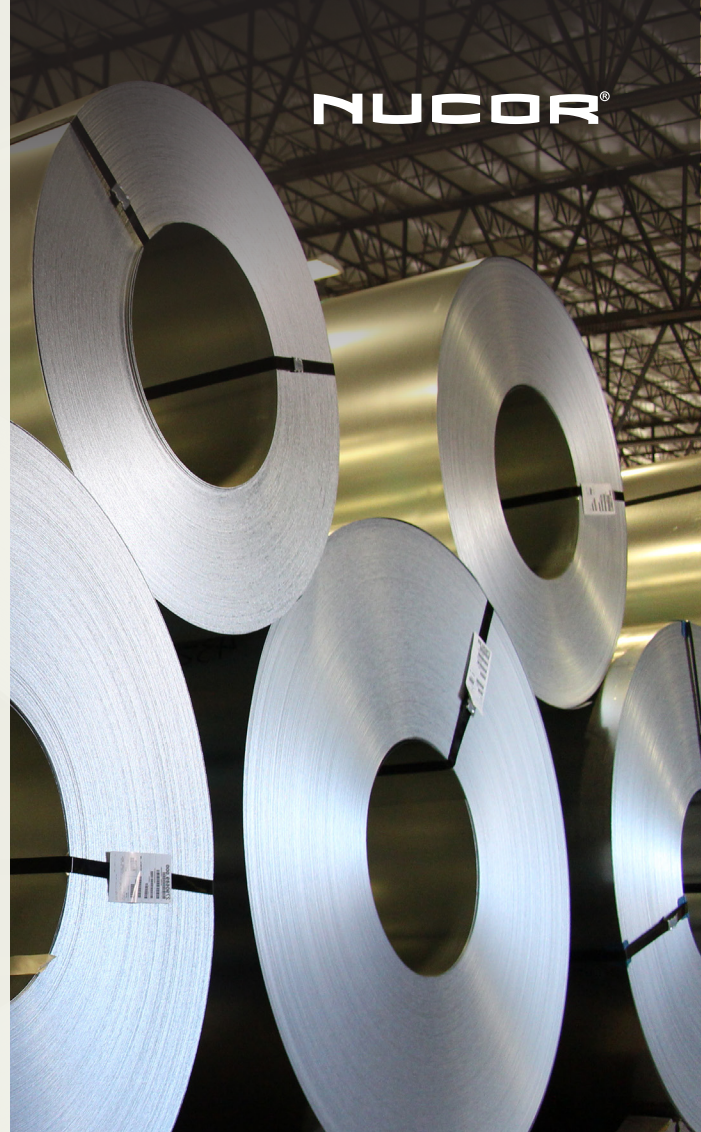
## Nucor is the North American leader in sustainable steelmaking.

We are committed to a net-zero 2050 science-based greenhouse gas (GHG) target as defined by the Global Steel Climate Council's (GSCC) "Steel Climate Standard", an ambitious standard consistent with the International Energy Agency Net Zero by 2050: A Roadmap for the Global Energy System glidepath for the industry (IEA NZE).

The net-zero 2050 target will result in a GHG intensity of 116 kg GHGs per metric ton of steel, including Scopes 1, 2 and 3 emissions as defined by GSCC.

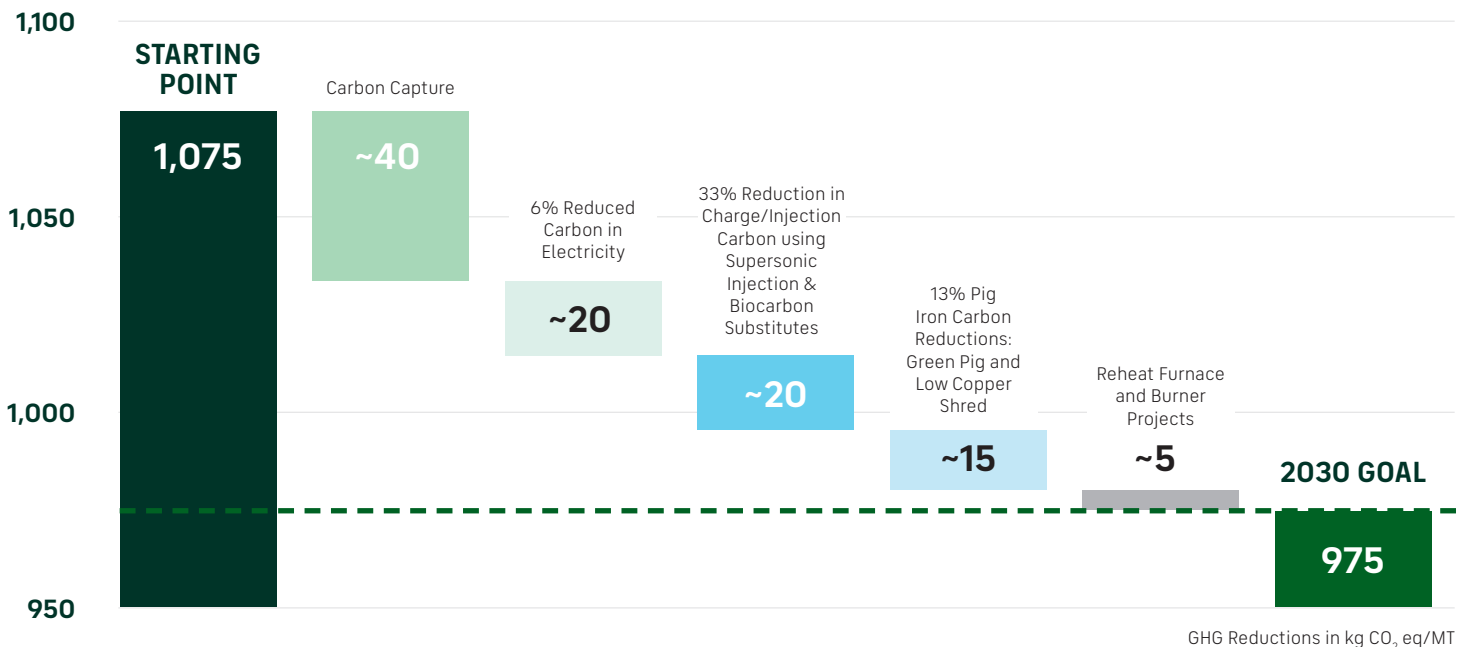
The interim 2030 science-based GHG reduction target is 975 kg GHGs per metric ton of steel, including Scopes 1, 2 and 3 emissions as defined by GSCC.

Nucor will continue to be an industry leader in GHG transparency. Reporting will continue to be third-party verified. We will share our plans and the actions needed to achieve our goals.



## NUCOR 2030 CARBON REDUCTION STRATEGY

Science-based short-term goal of 975 by 2030



GHG Reductions in kg CO<sub>2</sub> eq/MT

# OUR PATHWAY TO NET-ZERO BY 2050



## LOW CARBON ELECTRICITY

- Nucor will continue to reduce consumption of electricity generated with fossil fuels.
- Through utility partnerships, the promotion of renewables, the exploration of nuclear energy alternatives and power purchase agreements we will reduce fossil fuel based electricity usage.

## NEAR ZERO GHG IRON MAKING

- Nucor utilizes virgin iron at some of its steel mills including DRI produced at two locations.
- We will utilize carbon sequestration to reduce DRI embodied carbon at our plant in Louisiana.
- We are actively investing in alternative near zero ironmaking technologies including Electra and Hlsarna. Hlsarna, when combined with carbon sequestration, results in near zero GHG emissions.
- We are also implementing projects such as low copper shred, which allows us to use fewer virgin iron units.

## REPLACEMENT OF CHARGE & INJECTION CARBON & NATURAL GAS

- Nucor is implementing technologies to reduce our consumption of injection and charge carbon.
- We are actively exploring the use of biofuel substitutes.
- We are also pursuing a series of projects that will reduce natural gas usage or replace process gas with low or no carbon technologies.



To learn more about Nucor's sustainability efforts, visit [nucor.com/sustainability](https://nucor.com/sustainability)

