

# Science-Based Greenhouse Gas Targets

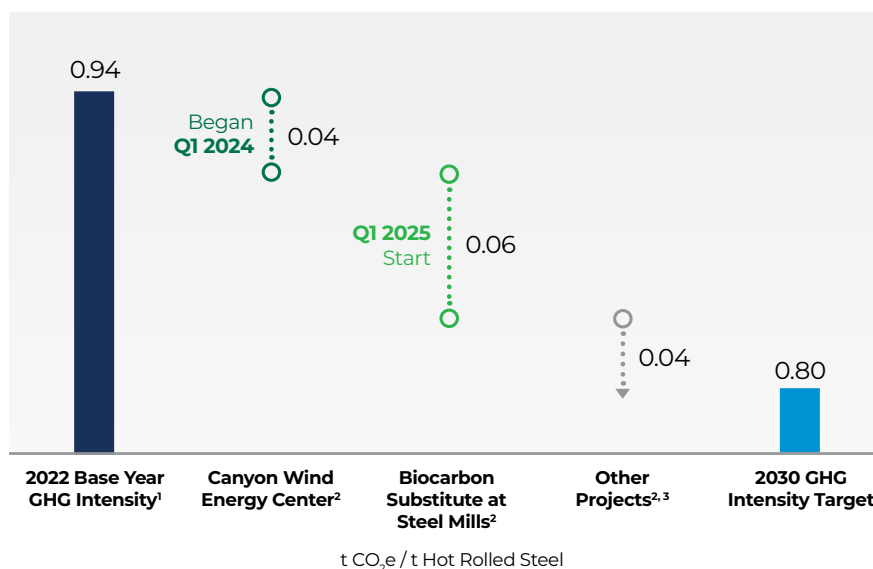
Steel Dynamics is a steel industry leader in sustainability, committed to decarbonization.

## Targets

🎯 2050 target for our steel mills of 0.12 t CO<sub>2</sub>e / t hot rolled steel produced

🎯 Interim 2030 target of 0.80 t CO<sub>2</sub>e / t hot rolled steel produced, representing a 15% reduction, compared to our 2022 base year

## Our Steel Mills' 2030 GHG Emissions Intensity Target Strategy



Our new targets were established using the Global Steel Climate Council's (GSCC) *Steel Climate Standard*, which includes key greenhouse gas (GHG) emissions through hot rolling from Scope 1, Scope 2, and upstream Scope 3 categories.

The GSCC *Steel Climate Standard* science-based emissions target certification is aligned with the Paris Agreement's goals and with the International Energy Agency's *Net Zero by 2050: A Roadmap for the Global Energy Sector*.

<sup>1</sup> Represents our steel mills' key GHG emissions intensity through hot rolling from Scope 1, Scope 2, and upstream Scope 3 categories using the GSCC *Steel Climate Standard* boundary.

<sup>2</sup> These estimated emissions intensities may vary, as our decarbonization plan is reviewed and adjusted regularly.

<sup>3</sup> These projects are under various stages of implementation and/or consideration. If all projects were implemented, they would exceed the 2030 target.

# Our Path Forward

## Renewable Biocarbon Investment

We plan to supply our EAF steel mills with a renewable replacement for anthracite.

- Commissioning is planned to begin in Q1 2025
- Expected annual capacity of 228,000 metric tons
- We estimate this first facility will reduce our Scope 1 steelmaking GHG absolute emissions by as much as 35%



**Biocarbon Production Facility**

Photo: Northstar Aerospace Solutions

## Canyon Wind Energy Center

In 2023, we signed the largest renewable product purchase agreement for the steel industry in North America, equivalent to approximately 15% of our steel mills' electricity usage in 2023.

- Began commercial operations in Q1 2024
- We surpassed our 2025 renewable electrical energy goal and this project propels us toward our 2030 goal of 30% renewable electricity
- Meaningfully contributes to our long-term reduction of Scope 2 GHG emissions intensity



**Canyon Wind Energy Center**

Photo: NextEra Energy Resources

## Other Projects<sup>1</sup>

- Clean energy
- Steel mill decarbonization projects
- Biocarbon substitute usage at our existing ironmaking operation

To achieve our steel mill targets, we will continue working to:



Identify and implement GHG emissions reduction projects



Increase the use of renewable and nuclear energy, including partnering with utilities



Improve energy management to reduce GHG emissions and enhance operational efficiency



Research, develop, and implement innovative technologies

<sup>1</sup> These projects are under various stages of implementation and/or consideration. If all projects were implemented, they would exceed the 2030 target.