
NUCOR®
TCFD

TABLE OF CONTENTS

03 Introduction

05 Task Force on Climate-Related Financial Disclosures (TCFD)

06 Governance & Risk Management

09 Strategy & Climate-Related Risks and Opportunities

21 Metrics & Targets

24 TCFD Index

INTRODUCTION

About Us

Since entering industrial manufacturing over 60 years ago, Nucor has become the largest manufacturer and recycler of steel products in North America, with operating facilities principally in the United States, Canada and Mexico. Nucor's business is organized into three segments: raw materials, steel mills and steel products.

We are committed to shaping a sustainable future by leveraging our industry leadership to address the challenges of climate change. As the world transitions to a lower-carbon economy, we are focused on not only mitigating the risks but also capitalizing on the opportunities that come with this shift. By integrating climate considerations into our business strategy, we remain resilient and innovative in a rapidly changing landscape.

About this Report

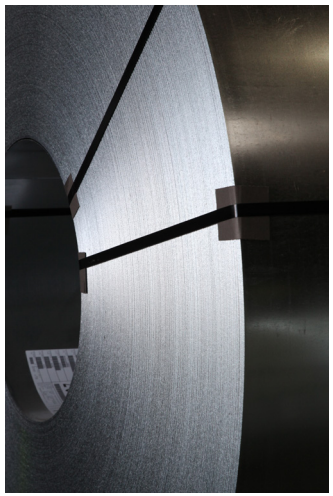
This is Nucor's third climate report prepared in alignment with the Task Force on Climate-Related Financial Disclosures (TCFD), following the framework's core elements of governance, strategy, risk management and metrics and targets. Nucor retained a third-party consultant, to facilitate our TCFD process and more effectively disclose our climate-related risks and opportunities. Moving forward, Nucor will align this report with the International Sustainability Standards Board (ISSB) standards. This report will be reviewed and updated every three years or as operations change.

Key Highlights

As a founding member of the Global Steel Climate Council (GSCC), a coalition advocating for a single, transparent global emissions standard focused on steelmaking, we are committed to achieving net-zero greenhouse gas (GHG) emissions by 2050. In 2023, Nucor became the first steelmaker in North America to establish net-zero science based GHG targets for 2050, covering Scopes 1, 2 and 3 emissions. Additionally, we have set an interim science-based GHG reduction target for 2030.

NET ZERO

In June 2023, we finalized an agreement with ExxonMobil to implement a carbon capture and sequestration (CCS) process at our Louisiana direct-reduced iron (DRI) plant. A portion of the plant's carbon dioxide (CO_2) emission will be transported via pipeline from the DRI plant and stored underground at an ExxonMobil-owned site. This initiative will enable us to sequester up to 800,000 metric tons of CO_2 annually, lowering the GHG emissions profile of the DRI plant significantly.



29 Cu

We have initiated a new state-of the-art, low-copper shred project at our Berkeley, South Carolina facility. The initiative focuses on removing non-magnetic materials like copper to enhance the quality and utility of scrap metal. By increasing recycled content and reducing our reliance on high-embodied carbon iron inputs, we can produce higher-quality steel materials with a lower environmental impact.

Our electric arc furnaces (EAFs) require a reliable supply of electricity. To help meet this demand sustainably, we are partnering with companies advancing next-generation zero GHG emission nuclear technologies, such as NuScale and Helion, a fusion power company.

HELION

NUSCALE™ Power for all humankind

We are a member of the United Nations 24/7 Carbon-Free Energy Global Compact, dedicated to accelerating the decarbonization of global electricity systems to mitigate climate change and ensure access to clean, reliable and affordable energy.

INTRODUCTION TO TCFD

The TCFD was created in 2015 by the Financial Stability Board (FSB) to recommend climate-related risk disclosures for companies to share with stakeholders. By increasing the availability of reliable information about a company's exposure to climate-related risks and opportunities, the TCFD recommendations help strengthen the stability of the financial system, enhance understanding of climate risks and facilitate the transition to a more stable and sustainable economy. The TCFD structures its recommendations around four thematic areas that represent core elements of an organization's operations:

GOVERNANCE

The organization's governance around climate-related risks and opportunities

STRATEGY

The actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy and financial planning

RISK MANAGEMENT

The processes used by the organization to identify, assess and manage climate-related risks

METRICS AND TARGETS

The metrics and targets used to assess and manage relevant climate-related risks and opportunities

Core Elements of Recommended Climate-Related Financial Disclosures

GOVERNANCE & RISK MANAGEMENT

Nucor's Board of Directors plays a critical role in overseeing the integration of climate-related risks and opportunities into the Company's core business strategy and risk management processes. Under the leadership of our CEO, Leon J. Topalian, sustainability—including GHG emissions and carbon footprint reduction—has become a central focus and one of Nucor's four key strategic priorities. As such, climate-related considerations are embedded in key decisions, including acquisitions, business ventures, capital improvements and operational expansions. The Board ensures that these decisions align with the Company's sustainability goals and long-term objectives.

Nucor's Strategic Priorities

Achieving World Class Safety Outcomes	Investing in Our People	Leveraging and Building on Our Sustainability Leadership	Generating Industry Leading Profitability and Returns on Capital

The Board meets at least four times per year, supplemented by additional sessions with the Audit Committee to review strategic initiatives and filings. During each Board meeting, sustainability is a standing topic, with systematic updates on climate risk assessments, GHG targets and overall progress toward the Company's long-term sustainability goals. These discussions are supported by detailed written reports, digital tools and pre-read materials that help ensure the Board has up-to-date information.

In its oversight capacity, the Board assigns management the responsibility for executing the Company's sustainability strategy and holds them accountable by closely monitoring how investments and strategic initiatives align with climate goals. The Board reviews and assesses significant capital investments for their potential impact on GHG targets. When reviewing major acquisitions, Nucor's Board factors climate-related risks and opportunities into the decision-making process.

The Board operates as a committee of the whole, meaning that all Board members participate in each committee. This structure promotes seamless communication, independent accountability and comprehensive oversight across all governance functions. The Board's Nominating and Governance Committee oversees environmental, social and governance (ESG) topics, including climate-related matters, regulatory compliance, energy and water management and community relations.

While the Board does not directly set GHG emissions targets, it plays a critical role in understanding Nucor's position in the steel industry and providing oversight of the Company's sustainability ambitions. In addition to meetings, the Board reviews the Company's performance against its targets through updates provided during the annual release of Nucor's Corporate Sustainability Report, which tracks progress and outlines future strategies.

Nucor's Board remains actively engaged in the Company's sustainability efforts, seeking to ensure that climate-related risks and opportunities are also intetgrated into the Company's broader strategic objectives.

Board Committees	
Audit Committee	Oversees the integrity of the Company's financial statements, compliance with legal and regulatory requirements and the performance of internal and external auditors.
Compensation & Executive Development Committee	Manages executive compensation, development programs and succession planning.
Governance & Nominating Committee	Oversees nomination and performance evaluation of Board members, develops corporate governance principles and monitors the Company's ESG strategy.

Management's Role

Nucor manages its sustainability efforts, including climate-related risks and opportunities, through a comprehensive, multi-layered structure that seeks to ensure accountability and collaboration across all levels of the organization.

Executive Vice President of Business Services

Oversees these efforts and reports directly to the CEO, keeping both the Board and executive leadership informed about Nucor's sustainability progress.

General Manager of Environmental Affairs

Supported by our centralized corporate sustainability team, is responsible for integrating these initiatives into Nucor's broader business strategy through cross-functional collaboration.

Manager of Corporate Sustainability

Oversees the day-to-day management of climate-related risks and opportunities and is responsible for establishing scienced based GHG targets. Tracks enterprise progress on climate-related goals.

Division Environmental Teams

Tracks division level progress climate-related goals and compiles data for the corporate sustainability report. This data is rolled up through corporate processes and reported to the senior management including the CEO and Board.

Management monitors climate-related issues through a combination of formal reporting structures and regular meetings. The Manager of Sustainability, along with an environmental team, tracks progress on climate-related goals and compiles data for the corporate sustainability report. This data is rolled up through corporate processes and reported to senior management, including the CEO and Board.

Nucor maintains an enterprise-wide sustainability strategy while upholding a decentralized structure that encourages decision-making at the facility level. In line with our decentralized approach, many of Nucor's energy and GHG management initiatives are developed and implemented at the business unit and facility levels. Teams across Nucor regularly evaluate and execute initiatives aimed at achieving sustainable outcomes, whether through capital investments, partnerships or operational improvements. Progress on these initiatives is assessed and reported regularly.

General Managers (GMs), who act as CEOs of their respective divisions, play a key role in executing climate-related initiatives. GMs stay informed about climate-related issues through biannual environmental management meetings and other forums where they receive updates from executives and the Manager of Sustainability. They share the information with their leadership teams to promote transparency and accountability throughout the organization. Additionally, division-level controllers, who are responsible for financial management and other administrative functions, often discuss sustainability topics during meetings, keeping the broader leadership team aligned on key priorities. This consistent flow of information empowers managers to develop and execute strategies that address climate-related risks and opportunities.

Nucor prioritizes continuous learning and skill development for environmental managers. At both the division and corporate levels, these managers receive targeted training in sustainability and environmental compliance through courses like Sustainability 101 and through Nucor Environmental University. These training sessions equip environmental managers and staff with the necessary competencies to address both technical and business-related sustainability challenges. Nucor has also established a robust environmental policy, which guides the Company's environmental compliance and sustainability efforts and is regularly revised to address emerging risks and regulatory requirements. Additionally, in 2024, Nucor proactively hired a third-party consultant to conduct a physical risk assessment, underscoring management's commitment to identifying and mitigating potential climate risks.

Approach to Risk Management

The Board of Directors establishes guidelines for assessing and managing Nucor's risks, including both strategic and operational risks. Under the Board's direction, our CEO and the entire executive team are fully engaged in risk management and mitigation.

Nucor uses a comprehensive risk management process that includes an annual risk assessment. This process is overseen by Nucor's Corporate Controller, Internal Audit and Legal teams, who maintain a risk inventory that categorizes 24 key risks, including safety, operational, financial and climate-related risks. The inventory is reviewed and updated each year to ensure it remains relevant and comprehensive. GMs across the Company are surveyed annually to rank the top risks based on their likelihood of occurrence and potential impacts on Nucor's operations. The GMs also assess the Company's preparedness to address these risks. This feedback is combined with input from the executive team, including the CEO, CFO and Executive Vice Presidents, to create an annual risk report that is presented to the Board Audit Committee for further evaluation and input.

Once climate-related risks are identified, Nucor determines whether to mitigate, accept or adapt to the risks based on their severity and potential impact on the business. Mitigation strategies may include operational changes, investments in new technologies or the adaptation of current processes to reduce vulnerability to climate-related events. Each Nucor facility is required to use a Management of Change (MOC) system whenever significant operational changes are proposed. This system helps ensure that all risks, including climate-related risks, are evaluated before changes are implemented. The MOC system connects directly to Nucor's risk inventory, allowing any new or evolving risks to be appropriately considered and mitigated.

Nucor engages with external specialists to help evaluate physical climate risks such as extreme weather events. In addition, we assess our transition risks arising from economic, political and social developments. Nucor considers both existing and emerging regulatory requirements related to climate change in its risk management process. This includes potential changes in emissions regulations, carbon pricing and energy policies. Nucor proactively assesses these risks to promote compliance and identify opportunities for mitigating or adapting to regulatory changes. For example, Nucor has invested in advanced nuclear technology to address the transition risk related to energy grid reliability and the need for carbon-free, 24/7 baseload power.

Through this comprehensive risk management process, Nucor seeks to effectively identify, assess and manage climate-related risks, integrating them into the Company's overall risk management strategy. We believe we are well-positioned to address both current and future risks, maintaining flexibility and preparedness in a changing climate landscape.

STRATEGY & CLIMATE-RELATED RISKS AND OPPORTUNITIES

Business Strategy

Steel is a versatile material essential to any modern economy and crucial for supporting the global energy transition. As a leading producer of steel primarily from recycled ferrous scrap, we believe we are well-positioned to meet this growing demand and emerge as a global leader in low-GHG steel production. To capitalize on these opportunities, we must continue to strategically plan our investments, considering the long life cycle of steel mills and the extensive infrastructure and supply chains needed to support our manufacturing processes.

Our business is organized into three segments: raw materials, steel mills and steel products. Nucor's raw materials segment provides scrap and DRI, both of which feed our steel mills, and acquires additional metallic input from the marketplace, as needed. Utilizing circular steelmaking via EAFs, our steel mills segment produces a wide range of primary steel shapes for sale to outside customers and to our downstream steel product businesses. Approximately 20% of our steel mill production is converted into a wide range of fabricated products by Nucor's downstream product groups. This vertical integration, from primarily recycled raw materials to final product, allows Nucor to operate more sustainably and provide the supply chain transparency that our customers are increasingly interested in—enhancing our position as a supplier of choice in our industry.

Environmental Product Declarations (EPDs)

EPDs quantify information about the environmental impacts of products, based on life cycle assessments conducted using industry standards for different product categories.

EPDs are an increasingly relevant factor influencing customer preferences.

Nucor has developed 19 EPDs covering products we can manufacture at more than 60 different facilities across the U.S. and Canada, and those numbers will continue to grow.

With low financial leverage and the highest credit ratings in the North American metals sector, as well as the most diverse product offering among all U.S.-based steel product manufacturers, the Nucor team remains well-positioned to create long-term value for all our stakeholders. And we are increasingly confident that our reputation as both the leading domestic producer of steel products and an employer of choice, along with our low-GHG emissions intensity and recycling-based business model, makes Nucor the preferred partner for both government and private sector customers focused on sustainability and reducing emissions.

Climate Strategy

We recognize the wide range of potential impacts that climate change could have on our business. However, we are confident that we are better positioned than many of our peers with more GHG-intensive steelmaking operations. We believe the climate-related risks to our physical assets are manageable given our resources and the redundancies inherent in our diverse asset base.

As part of our ongoing efforts to identify climate-related risks and opportunities, we engage teammates across our organization to assess where to best focus our efforts in mitigating risks and maximizing benefits for both internal and external stakeholders. This approach has led to the integration of climate considerations in our business strategy through initiatives such as:

- Protecting the long-term resilience of our production facilities from the impacts of a changing climate.
- Measuring, managing and reducing our GHG emissions intensity to minimize potential costs associated with our GHG footprint by:
  - Investing capital to modernize operations and implement energy efficiency and GHG mitigation projects.
  - Increasing our access to non-fossil fuel based electricity energy to power our EAFs.
  - Developing partnerships to facilitate carbon capture and storage.
  - Exploring new technologies to reduce the GHG emissions from raw materials used in steelmaking.
  - Utilizing data analytics and digitizing infrastructure to improve system efficiency and connectivity.
- Assessing climate-related risks and opportunities across our entire value chain to avoid negative impacts and ensure alignment with our emissions reduction goals.
- Identifying and pursuing market opportunities related to climate change mitigation and adaptation in the built environment, transportation and energy sectors.

Our strategy is informed by an assessment of climate-related risks and opportunities, as well as potential climate impacts on our facilities, customers and suppliers.

Physical Risks: Scenario Analysis, Impacts and Mitigation Strategies

Scenario Analysis

In 2024, we conducted our second scenario analysis enabling us to align with updated climate modeling, evaluate our climate-related physical risks, identify high-risk locations and develop targeted mitigation plans for those sites. We plan to leverage this climate risk assessment to inform additional robust climate adaptation strategies and invest in resilient infrastructure to mitigate financial losses and promote operational continuity across various climate scenarios.

The analysis included a comprehensive climate risk assessment for 15[1] Nucor locations. It expanded upon Nucor's previous scenario analysis by incorporating two Shared Socioeconomic Pathways (SSP1-2.6 and SSP5-8.5) and aligning with the latest climate research, including the Intergovernmental Panel on Climate Change's (IPCC) Sixth Assessment Report and Coupled Model Intercomparison Project Phase 6 (CMIP6) data. The shift from relying solely on Representative Concentration Pathways (RCPs) to integrating SSPs represents an evolution in climate modeling, offering a more comprehensive, socioeconomically grounded approach to exploring future climate scenarios and their implications. Combining climate projections (based on RCPs) with societal futures (depicted in SSPs) creates a more robust and accurate scenario framework.

The hazards evaluated in the analysis included extreme wind, precipitation, heat stress, coastal and riverine flooding, wildfire and drought. The climate modeling incorporated location-specific environmental factors and data, providing tailored risk assessments for Nucor's locations and a comprehensive evaluation of climate hazards unique to each asset's location.

[1]Assets included in this analysis were selected based on one or more of the following criteria: their contribution to Nucor's earnings from 2020 to 2023, their strategic importance within Nucor's supply chain, or their total invested capital.

15 key assets were thoroughly assessed, drawing upon prior analyses and incorporating assets with strategic importance within Nucor's supply chain.

The following IPCC scenarios were employed in the evaluation of the assets:

- **SSP5 – 8.5 - Business-as-usual**
- **SSP1 – 2.6 - Paris-aligned**

The comprehensive analysis was conducted over two distinct time horizons: **2030 and 2050**, providing both short-term and long-term projections.

Evaluating Six Climate Hazards Impacting Our Operations

Wind: Prolonged exposure to extreme winds could affect the structural integrity of buildings, potentially leading to damage over time.

Flooding (Coastal & Riverine): Flooding could inflict structural damage through water pressure, debris impact, and accelerating corrosion. Disruption of supply chains due to coastal and riverline flooding is also a potential impact.

Wildfire: Wildfire events may lead to building and infrastructure damage which have the potential to cause business interruptions.

Drought: Soil shrinkage from drought can lead to building subsidence and foundation damage. Reduced water availability may cause interruptions to the water supply and barge traffic.

Heat Stress: Heat stress conditions can affect worker productivity and safety. There is a potential for equipment failure due to extreme heat.

Precipitation: Extreme rainfall leading to flooding may necessitate costly adaptations. Flash flooding can lead to increased maintenance on lower-lying structures.

Acute & Chronic Physical Risks: Extreme Weather Events

We recognize the increasing threat of acute and chronic physical risks driven by climate change to our operations, supply chain and workforce. Our conservative comprehensive risk assessment has identified several key vulnerabilities at our 15 assessed locations.[1]

Similar to the findings from our first analysis, our overall risk exposure remains relatively unchanged through 2030. These risks slightly increase moving towards 2050 under the "business as usual scenario". Based on the results, all 15 locations face potential exposure to at least two climate hazards. These risks have the potential to impact operations at the affected facilities, as well as their regional supply chains.

Flood Hazard: The analysis of the selected assets did not reveal significant changes in flooding risk under either business-as-usual or Paris-aligned scenarios.[2] While Nucor Steel Berkeley is the asset most exposed to flood risks, value at risk due to climate factors remains consistent with baseline years. We have implemented and we regularly update robust adaptation strategies to protect coastal assets from financial impacts and increase their resilience against evolving climate conditions.

Wind Hazard: The majority of the assets evaluated face risk from extreme wind exposure; however, the analysis did not show a significant change in the risk profile over time. The average modeled extreme wind speed for our portfolio remains relatively consistent at 41 meters per second.[2] The stable but high wind speed projections underscore the importance of our ongoing wind resilience measures and close monitoring of related factors.

Wildfire Hazard: Most assessed assets show limited risk to wildfire events. However, Nucor Steel Utah has a Fire Weather Index (FWI) projection: 76.17 in a Paris-aligned 2030 scenario and 80.19 in a business as- usual 2050 scenario.[2] This underscores the importance of the targeted wildfire management strategies that have been successfully implemented by the U.S. Bureau of Land Management's Utah Fire and Aviation Program. Nucor continues to partner with these agencies to mitigate potential impacts and enhance overall resilience.

Heat Stress Hazard: Heat stress is the dominant hazard that will impact majority of our assets. In a Paris-aligned scenario for 2030, the analysis projected 10.48 additional heat wave days annually. The business-as-usual scenario for 2050 noted average maximum temperatures potentially rising by 2.9°C and heat waves extending 12.46 days beyond historical baselines.

Precipitation Hazard: Both scenarios show significant increases in potential maximum five-day precipitation: approximately 3.0% by 2030 in a Paris-aligned scenario and 5.8% by 2050 in a business-as-usual scenario. These rainfall events have the potential to increase flooding risks to our operations.

Drought Hazard: The analysis showed potential increases in consecutive dry days, including a 7.4% rise in dry days in a 2050 business-as-usual scenario.[2] The portfolio average is significantly influenced by Nu-Iron Unlimited, our DRI operation based in Trinidad and Tobago, which shows a potentially marked increase in dry days.

Nucor acknowledges the potential physical climate risks under both business-as-usual and Paris-aligned trajectories over the 2030- and 2050-time horizons. However, we are confident in our long-standing ability to effectively manage and mitigate these risks due to the redundancies built into our extensive national operational footprint, resilient supply chain and resourceful team. Integrating climate considerations into long-term planning helps Nucor develop flexible strategies that can be adjusted as climate conditions evolve.

We also manage these risks by investing in infrastructure and technology upgrades where necessary, while taking into account the risk mitigation afforded by our geographically dispersed operations with similar capabilities. In addition, our Environmental, Health, and Safety teams assess and mitigate climate-related operational risks on an asset-by-asset basis through robust emergency response plans, equipment fortification, employee training, contingency planning and regular insurance reviews. This proactive strategy integrates climate risk management into our core operations, promoting workforce safety, continuity and asset protection.

[1]Our climate assessment is not designed to forecast or predict the future, but interprets climate models under various scenarios. There is inherent uncertainty as climate is volatile and subject to dynamic interacting factors. Due to this uncertainty, there is no assurance that the assessment presented in this report is an indicator of actual impact of climate change on our asset portfolio or business.

[2]Mitiga (2025), Nucor, CC BY 4.0 License, Accessed: 24/01/2025.

The following table classifies hazards as either acute or chronic, outlines their potential impacts and highlights the mitigation strategies we are implementing to address them.

Physical Risks Summary Table

Physical Risk Type	Hazards	Potential Impacts	Mitigation Strategies	Time Horizon
Acute - Extreme weather events	▪ Flood ▪ Extreme Wind ▪ Wildfire	▪ Operational delays ▪ Supply chain disruptions ▪ Production capacity constraints ▪ Increased costs associated with physical damage, insurance premiums, climate adaptation measures and depreciation of infrastructure and equipment	▪ Maintaining operational redundancies ▪ Continuously improving and optimizing our business continuity and risk management system and practices ▪ Investing in infrastructure and technology upgrades where necessary ▪ Implementing robust emergency response plans, equipment fortification, employee training, contingency planning and regular insurance reviews	Short- to medium-term
Chronic shifts in climate patterns	▪ Heat Stress ▪ Extreme Precipitation ▪ Drought	▪ Production stoppages ▪ Facility flooding ▪ Transportation disruption ▪ Limited water availability ▪ Decreased worker productivity ▪ Increased cooling costs	▪ Maintaining operational redundancies ▪ Continuously improving and optimizing our business continuity and risk management system and practices ▪ Integrating climate considerations into long-term planning ▪ Developing flexible strategies that can be adjusted as climate conditions evolve	Medium- to long-term

Transition Risks: Impacts and Mitigation Strategies

As part of our comprehensive climate-related risk management process, Nucor is proactively addressing the transition risks associated with the shift to a low-carbon economy. These risks have the potential to impact our operations, supply chain and financial performance, making it essential for us to maintain a flexible approach.

Transition Risks Summary Table

Transition Risk Type	Risk	Potential Impacts	Mitigation Strategies	Mitigation Strategies
Policy and Legal	Current and emerging climate regulations	▪ Increased regulatory compliance costs ▪ Adverse impacts on financial condition ▪ Fines or penalties for non-compliance	▪ GHG performance management ▪ Policy advocacy and stakeholder engagement	Short- to medium-term
Market	Energy availability and cost Non-fossil fuel-based energy supply	▪ Volatile market conditions may impact our operating costs ▪ Disruptions to energy supply chains ▪ Shifts in energy supply sources could impact operational efficiency	▪ Ongoing evaluation and proactive management of our energy utilization and supply chain ▪ Diversifying our supply chain ▪ Policy advocacy and stakeholder engagement	Short- to long-term
Reputation	Credibility of decarbonization plans and reduction targets	▪ Decreased demand for products due to lack of consumer trust ▪ Damage to brand reputation and loss of market share ▪ Challenges in meeting ESG expectations	▪ Stakeholder engagement ▪ Third-party verification	Short- to medium-term

Transition Risks: Current and Emerging GHG Regulations

POTENTIAL IMPACTS

Our steelmaking, DRI and manufacturing processes are energy-intensive and generate significant GHG emissions. As a result, we are vulnerable to emerging regulations designed to reduce GHG emissions, including carbon pricing, cap and trade systems or stricter energy efficiency standards. These measures could increase our costs, reduce our reliability as a supplier and adversely impact our earnings, financial condition and cash flow if our performance is impacted or we are unable to recover these additional costs. As one of the lowest North American GHG emitters, we are well positioned to manage potential impacts of such emerging regulations.

MITIGATION STRATEGIES:

1.) GHG Performance Management

Our primary risk mitigation strategy is to improve our GHG performance and reduce our carbon footprint. Nucor exclusively employs EAF technology to produce steel, which is currently the best available technology for producing a wide range of steels at scale while emitting the least amount of GHGs. As a result, although Nucor accounts for approximately one-quarter of steel production in the U.S., we believe that we are responsible for only about one-twelfth of the domestic industry's GHG emissions. Nucor has already achieved, and will continue to meet, the goals of the Paris Agreement, operating well below the 2-Degree Scenario according to the GHG sector-based benchmarks established in 2021 by the Transition Pathways Initiative (TPI).

In 2023, we announced a comprehensive GHG emissions reduction strategy, aiming to further decrease the Scope 1, 2 and 3 GHG emissions intensity of our steel mills. Consistent with these commitments, Nucor has a range of initiatives underway across all areas of our operations and external supply chain, including:

- Investing capital to modernize our operations and implement new energy efficiency and GHG mitigation projects.
- Partnering with governments, private enterprises and universities to research, test and deploy emerging technologies aimed at reducing or capturing GHG emissions. For example:
  - Partnering with ExxonMobil to sequester up to 800,000 tons of CO_2 per annum.
  - Partnering with the University of Kentucky (U.K.) on research funded by the U.S. Department of Energy to develop a carbon capture system to remove carbon dioxide from fossil fuel combustion.
- Exploring ways to further reduce the GHG emissions associated with the raw materials we use to make steel, including:
  - Investing in alternative ironmaking technology, such as that under development by Electra. Electra's pioneering carbon-free process utilizes renewable electricity to convert low-grade iron ores into high-purity iron at low temperatures, opening pathways to significantly reduce our Scope 3 emissions.
  - Replacing virgin carbon in our EAFs with biocarbon substitutes and other recycled carbon alternatives.
  - Investing in advanced processing technology to lower copper content in ferrous scrap, thereby reducing the amount of virgin/extracted iron required for steel production.
  - Validating Hisarna ironmaking technology, designed to produce iron without traditional coke ovens and utilizing low-grade ore fines, to make it economical and reliable at scale, while also exploring opportunities to integrate it with carbon capture and sequestration.
- Pursuing opportunities across our entire value chain to avoid negative impacts and align with our emissions reduction goals, including:
  - Pursuing partnerships to develop carbon-free small modular nuclear reactors, as well as on-site renewable power generation and/or storage.
  - Supporting the transition of the domestic power grid to a more sustainable, lower carbon future via additional power purchase agreements (PPAs) for renewable energy.
  - Establishing Nucor Industrial Recycling within our wholly owned scrap recycling business, David J. Joseph Company (DJJ), to work with current and potential steel customers to find new and improved ways to return steel scrap directly from manufacturing facilities to steel mills for re-melting, improving resource efficiency for all participants in the steel value chain.

Transition Risks: Leadership in Decarbonization

Nucor is proactively mitigating the impacts of our climate-related risks. Through our strategic decarbonization investments, infrastructure and technology upgrades and industry partnerships, we are well positioned to achieve our sustainability goals.

DEC. 2022

Investment in **Electra** to develop carbon-free iron to make steel.

APRIL 2023

Announced effort to develop carbon emissions standard for global steel industry – **Global Steel Climate Council (GSCC).**

JUNE 2023

CCS Agreement with **ExxonMobil** to capture, transport and store up to 800,000 mt/yr. CO2 from Nucor Louisiana DRI plant.

SEPT. 2023

Investment in **Helion Energy** to develop 500MW fusion plant.

JAN. 2025

GSCC certified Nucor's **Science-Based Emissions Targets (SBET).**

FEB. 2025

Nucor improved from #67 to #30 on **Barron's 100 Most Sustainable Companies.**

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

Executed 250MW Sebree solar PPA with **NextEra Energy**.

MAR. 2024

Google, Microsoft and Nucor announce initiative to aggregate demand to scale advanced clean electricity technologies.

JAN. 2025

NS-Sedalia named as one of 17 new members of the **WEF Global Lighthouse Network** for its industry-leading GHG reductions and pioneering the use of cutting-edge 4th Industrial Revolution technologies.

APRIL 2025

Nucor receives **World Steel** Sustainability Champion Award.

Transition Risks: Energy Availability and Cost, Non-Fossil Fuel-Based Energy Supply

Potential Impacts

Nucor's profitability and competitiveness are affected by ongoing fluctuations in energy and raw material costs. Our steel mills and DRI facilities are large consumers of energy, and we rely upon third parties for our energy supply. The prices and availability of electricity and natural gas are subject to volatile market conditions, influenced by weather, political, regulatory and economic factors beyond our control.

Ongoing efforts to reduce or slow the effects of climate change will require a significant change to the domestic power grid as the U.S. increases reliance on intermittent renewable energy sources. We are already observing higher costs, reduced availability and diminished reliability, which has affected our growth initiatives and operations in some instances.

Mitigation Strategies:

1.) Ongoing Evaluation and Proactive Management of Our Energy Utilization and Supply Chain

Due to the nature of our business, a reliable and affordable energy supply is one of our highest business priorities, and we approach energy supply management as a key component of risk management. We continuously evaluate our energy procurement strategy, actively engaging with business partners and vendors to identify opportunities to reduce costs, lower GHG intensity and improve efficiency and reliability. We constantly assess energy markets and our energy supply chain, using digital analytical tools to proactively mitigate risk and minimize the impact of disruptive market events.

Our EAF-based steel mills offer flexibility by allowing us to quickly ramp up or scale down production in response to steel demand, power availability/cost factors and safety concerns. This flexibility, along with our position as a significant but interruptible energy consumer, has enabled us to contract for power at economically attractive terms, reducing our exposure to power price spikes and/or unforeseen power curtailments.

While our EAF-based steel mills already employ the world's most efficient steelmaking processes, we continue to find energy efficiency improvement opportunities, such as off-gas heat recovery, burner enhancement, highly efficient power supply systems and scrap preheating options. In recent years, we have begun to utilize micro-mill technology at our newest rebar-focused steel mills in Florida and Missouri. Micro-mills can melt, cast and roll steel into rebar in under two hours, eliminating the need for natural gas reheating. We are developing a third rebar micro-mill

in Kingman, Arizona and a fourth in Lexington, North Carolina. We expect both of these mills to be operational in 2025.

2.) Diversifying Our Supply Chain

We estimate that approximately 40% of the electricity we currently use comes from renewable or zero-carbon sources, such as nuclear energy. We are working to further reduce our Scope 2 emissions intensity by increasing the adoption of renewable or zero-carbon electricity across more of our facilities.

- We have signed Power Purchase Agreements (PPAs) with renewable energy providers and continue to explore opportunities to execute additional contracts. These contracts support the decarbonization of the U.S. power grid while providing us with Renewable Energy Credits (RECs)[2] and a long-term hedge against rising electricity costs for a portion of our power requirements.
- We have invested in NuScale, a leader in small modular nuclear reactor (SMR) technology, to advance scalable, cost-effective and carbon-free energy solutions that reduce GHG emissions while providing reliable, clean power for Nucor's steel production operations.
- We have invested in Helion, a leader in fusion energy, to accelerate the development of clean, zero-carbon electricity through nuclear fusion technology, which has the potential to provide an abundant and sustainable energy source for Nucor's steelmaking operations and beyond.
- We are actively exploring additional partnerships for behind-the-meter renewable power generation and storage.

3.) Policy Advocacy and Stakeholder Engagement

Nucor's Public Affairs department regularly engages with relevant federal and state officials to seek durable solutions within legislative, policy and energy-related regulatory initiatives under consideration. As a key representative of a major industry for the economy, our aim is to ensure that Nucor's perspective is heard so we can best position ourselves to help drive progress forward while ensuring that our energy supply is reliable and enables us to remain cost competitive.

[2]A REC represents the energy generated by renewable energy sources, such as solar or wind power facilities, and represent the clean energy attributes of renewable electricity. RECs are certificates that transfer the "renewable" aspects of renewable energy to the owner. REC is produced when a renewable energy source generates one megawatt-hour (MWh) of electricity and delivers it to the grid.

Transition Risks: Credibility Of Decarbonization Plans And Reduction Targets

Potential Impacts:

As investors face increased scrutiny around the climate risks of their investments, the financial sector is heightening its focus on carbon-intensive companies. Many large investors have committed to aligning portfolios with a 2-degree or lower trajectory. Nucor's investors and customers are increasingly asking us to provide assurance with respect to our carbon footprint or the relative carbon intensity of our products. A perceived lack of transparency or inconsistencies in our data, or doubts about the efficacy of our strategies, would adversely impact our reputation among these important constituencies, potentially increasing our cost of capital over time.

Mitigation Strategies:

Stakeholder engagement and third-party verification

We regularly engage with stockholders and other constituents to understand their views and concerns, considering and incorporating their perspectives as we refine and implement our strategies. Nucor will continue to report GHG emissions, including significant Scope 3 emissions tied to our supply chain, while striving to maintain our position as an industry leader in comprehensive and transparent disclosures. We engage third-party consultants to verify our data. Many of our competitors do not provide this level of transparency, often excluding significant sources of embedded carbon in their steel, such as purchased coke, or by narrowly defining the scope of their operations for the purposes of measuring GHG emissions.

Climate-Related Opportunities

As the global focus on sustainability and decarbonization intensifies, Nucor is increasingly well-positioned to capitalize on the growing demand for lower-carbon steel products. Our commitment to innovation, energy efficiency and EAF technology—the most environmentally responsible, scalable steelmaking process—helps us reduce our carbon footprint while remaining competitive in an evolving marketplace. The transition to a low-carbon economy presents several strategic opportunities for Nucor.

Opportunity Type	Commercial Opportunities	Time Horizon
Markets	▪ Growing interest in less GHG-intensive steels from manufacturers and builders ▪ Increased demand for steel products used in the production and distribution of electricity ▪ Increased infrastructure investments associated with population migration, shoreline hardening and storm resiliency ▪ Growing demand for efficient climate control in the built environment	Short- to medium-term
Products and Services	▪ Econiq™ Net-Zero Carbon Steel ▪ Elcyon™ Steel ▪ Aeos™ A913 Steel ▪ Insulated metal panels ▪ High speed overhead doors ▪ Transmission towers ▪ Pilings and torque tube	Short- to medium-term

Markets: Growing Interest in Less GHG-Intensive Steels from Manufacturers and Builders

An increasing number of manufacturers and construction customers are concerned about the embedded carbon emissions in each ton of steel used in their processes. We believe that measures of GHG intensity per ton has become a point of differentiation which will enable us to capture more market share across our product offering in the coming years due to our already relatively low GHG intensity, coupled with the new branded low-GHG product lines we have developed in recent years.

Markets: Increased Demand for Steel Products Used in the Production and Distribution of Electricity

We are focusing on power generation and power transmission as key growth markets. Power generation facilities and power grid transmission infrastructure are steel-intensive. As the leading producer of steel from recycled ferrous scrap, we believe we are well-positioned to meet these needs.

Markets: Increased Infrastructure Investments Associated with Population Migration, Shoreline Hardening and Storm Resiliency

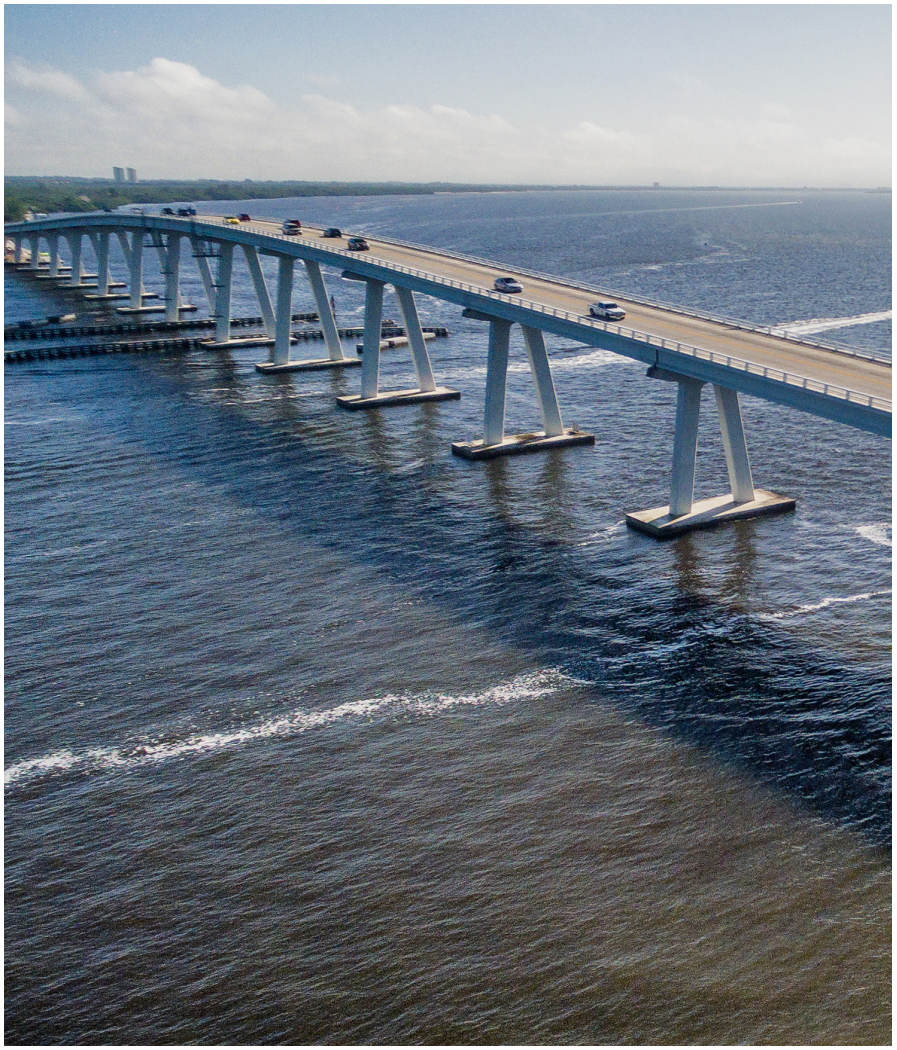
Steel is a versatile, durable, high-strength building material, and we are the leading domestic producer of a diverse array of steel products for construction applications.

As severe weather events, such as coastal and riverine flooding and erosion, become more common, Nucor products and services are increasingly important to building climate-resilient infrastructure and to rebuilding efforts following destructive storms. Some examples include:

- Steel piling used to protect LNG facilities against hurricane surges in the Gulf of Mexico;
- Steel piling used to restore the bridge to Sanibel Island, Florida, following Hurricane Ian;
- Beam, plate and piling used for bridge replacements and other emergency response efforts in Tennessee and North Carolina following Hurricane Helene; and
- Structural and plate steel used to facilitate rapid replacement of the Sioux City BNSF Railroad Bridge following a flood event.

Markets: Growing Demand for Efficient Climate Control in the Built Environment

As cooling and heating indoor spaces becomes more expensive and critical due to changes in the overall climate and rising energy costs, demand is surging for products that improve energy efficiency and sustainability. Industries such as warehousing, manufacturing, perishables storage, data centers and commercial construction are prioritizing innovative solutions that minimize energy consumption while maintaining optimal indoor conditions. Advanced technologies like insulated metal panels and high-speed overhead doors are helping businesses reduce operating costs, meet regulatory requirements, and achieve their sustainability goals, all while addressing the challenges posed by a changing climate.



Products and Services: Econiq™ Net-Zero Carbon Steel

Our competitive advantage depends on our ability to correctly anticipate shifts in customer preferences and invest in new technologies and innovations. As customers increasingly expect low-carbon emitting products to meet their own GHG emissions goals, we are well-positioned to capture this opportunity. While all our steel and steel products have low-embedded carbon content, we have prioritized the development of even lower-carbon products, such as our Econiq line of net-zero carbon steel. Econiq represents the world's first net-zero carbon steel available at scale. We produce Econiq steel using the lowest GHG intensity steelmaking process via EAF, powered by 100% renewable electricity and carbon offsets to eliminate the remaining Scope 1 and 2 emissions. This innovative product has generated significant interest from automotive, construction, renewable energy and other industries that are prioritizing carbon footprint reduction.

The first coil of Econiq was shipped to General Motors (GM) in January 2022, following the product's launch in October 2021. We are also supplying Mercedes-Benz with Econiq-RE, a category of Econiq that certifies Nucor steel or steel products are produced with 100% renewable energy.

We look forward to continuing to offer Econiq and similar product innovations to our customers. They create opportunities to reduce GHG emissions across our product portfolio while earning us a privileged position as a trusted supplier.

Products and Services: Elcyon™ Steel

Nucor's Elcyon steel is a groundbreaking product tailored to the unique challenges of offshore wind energy projects. Its superior strength, durability, and weldability enable it to withstand the harsh conditions of marine environments. This innovation supports the growing offshore wind industry by providing reliable, high-performance materials essential for ensuring structural integrity and resilience over time.

Elcyon played a key role in the construction of the Vineyard Wind 1 project, the first large-scale offshore wind farm in the U.S. Located off the coast of Massachusetts, the project required materials that could handle extreme weather conditions and maintain the reliability of the turbines over decades of use. Elcyon steel met these stringent demands, delivering superior weldability and durability, which helped streamline construction while providing the needed structural strength.

Products and Services: AEOS™ A913 Steel

AEOS A913 Steel is the next generation of structural steel, combining high strength with superior weldability, toughness and ductility to meet the evolving needs of modern construction. AEOS offers superior performance in key applications such as columns, beams and long-span trusses. AEOS also offers significant weight savings—up to 25% compared to traditional steel grades—making it an optimal solution for large-scale projects that require reduced material weight, energy consumption and project timelines.

In New York City's 66 Hudson development, also known as "The Spiral," AEOS steel was used to meet the demanding requirements of this iconic commercial office tower. The project required high-strength steel to support its unique, spiraling design while minimizing weight and improving construction efficiency. AEOS allowed the project team to meet these goals, offering significant weight reduction, improved weldability and enhanced toughness to accommodate the complex structure's needs.

Products and Services: Insulated Metal Panels

Nucor's Insulated Metal Panels (IMPs) offer an innovative solution for building construction and operation, significantly enhancing energy efficiency. These panels reduce energy consumption during construction and provide superior climate control once the building is operational. Designed for diverse applications, including perishables storage, data centers, and semiconductor fabrication facilities, IMPs help lower operational costs and environmental impact.

Products and Services: High Speed Overhead Doors

Nucor's High-Speed Overhead Doors are designed to enhance climate control and energy efficiency in the built environment. These advanced doors minimize air exchange, helping to maintain consistent indoor temperatures and reduce energy consumption. Ideal for facilities requiring precise environmental management, such as warehouses, distribution centers, and manufacturing plants, they offer a durable and reliable solution for improving operational efficiency and sustainability.

Products and Services: Transmission Towers

Nucor is investing in three highly automated plants dedicated to producing transmission towers from recycled steel. These towers will serve the power transmission and communications markets, supporting the infrastructure needed to accelerate the energy transition in the U.S. By leveraging recycled materials and advanced manufacturing processes, Nucor is contributing to a more sustainable future while meeting the growing demand for reliable and resilient energy and communication systems.

Products and Services: Pilings and Torque Tubes

Nucor's pilings and torque tubes are engineered to meet the structural demands of renewable energy and infrastructure projects. Pilings provide the essential foundation for solar arrays, while Torque Tubes deliver robust support and alignment for solar tracking systems. Steel piling provided by Nucor's Skyline division is also essential to many flood control and shoreline hardening projects.

METRICS & TARGETS

Metrics

Nucor's steel mills account for approximately 80% of our total emissions. The majority of our Scope 1 GHG emissions result from the fuels used to generate heat for processing iron-bearing raw materials (e.g., scrap metal, iron ore) and other alloying ingredients in our steelmaking process.

Our Scope 2 GHG emissions primarily result from the electricity used in our EAF-based steelmaking process. As the largest EAF-based steelmaker in the world, Nucor consumes a significant amount of electrical energy. For details on Nucor's energy mix and consumption, please refer to our most recent SASB report for our steel mills segment, published in August 2024.

Our Scope 3 emissions primarily result from the consumption of iron-bearing raw materials supplied by external parties (e.g., iron ore pellets, pig iron and hot briquette iron) at our steel mills. Nucor is actively exploring strategies to reduce the carbon intensity of these materials, aiming to make measurable progress in the short- and medium-term. As part of ongoing efforts to improve transparency and expand our Scope 3 reporting, we are evaluating whether additional categories—such as product end-of-life or transportation emissions—are material for disclosure.

We adhere to methodologies outlined by the GHG Protocol, Environmental Protection Agency, and GSCC Standard to align with industry standards. Our GHG emissions data has been verified by SCS Global Services in alignment with ISO 14064-3 2019.

Additional Metrics to Monitor Risks and Opportunities

Other metrics that Nucor is actively evaluating and monitoring as potential indicators of climate-related risks and opportunities include:

- Heat-related health and safety statistics;
- Supply chain disruptions (e.g., power or gas supply disruptions and price spikes);
- Logistics disruptions due to weather events (e.g., flooding or low water levels that may impact shipments);
- Market trends for steel demand in the renewable energy and electric vehicle industries; and
- Projected changes in steel demand due to the broader economy's transition to lower carbon intensity and enhanced resilience over time.

We utilize internal carbon pricing through our commercial team to guide the pricing of low-carbon products, although the specific pricing structure is not publicly disclosed. Additionally, we are evaluating how we track and report capital allocated to climate-related risks and opportunities. While executive remuneration is not explicitly tied to climate targets, corporate responsibility factors influence compensation decisions through qualitative assessments. As climate-related opportunities evolve, Nucor will continue to explore whether sustainability metrics should be incorporated into future remuneration policies.

Targets

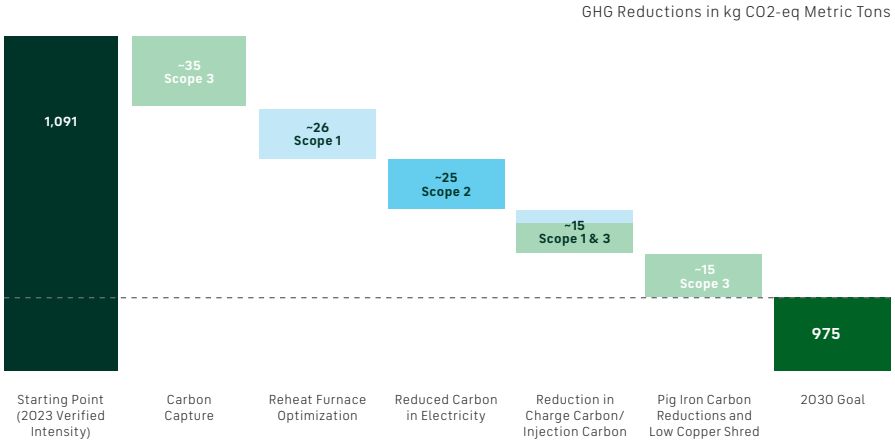
In alignment with the GSCC Steel Climate Standard and the International Energy Agency's Net Zero by 2050 roadmap, Nucor has committed to achieving a net-zero GHG target by 2050. This science-based target is a crucial step toward environmental sustainability and aligns with the Paris Agreement's goal of limiting global temperature rise to below 1.5°C above pre-industrial levels. Our net-zero target includes reaching a GHG intensity of 116 kg of CO_2e per metric ton of steel, covering Scopes 1, 2 and 3 emissions.

Additionally, Nucor has set an interim science-based GHG reduction target for 2030, aiming for a GHG intensity of 975 kg of CO_2e per metric ton of steel, also inclusive of Scopes 1, 2 and 3 emissions. We have implemented comprehensive plans that reflect our commitment to reducing our carbon footprint and advancing toward a more sustainable future.

In 2024, Nucor's sustainability targets received certification from the GSCC. To achieve this, Nucor worked with third-party verifier SCS Global to review and validate the targets, ensuring they are science-based and align with the Steel Climate Standard. Following verification, the GSCC's technical working group and board formally approved the targets. Additional details about this certification are available **here**.

2030 GHG REDUCTION STRATEGY

Science-Based Short-Term Goal of 975 kg CO2-eq Metric Tons by 2024



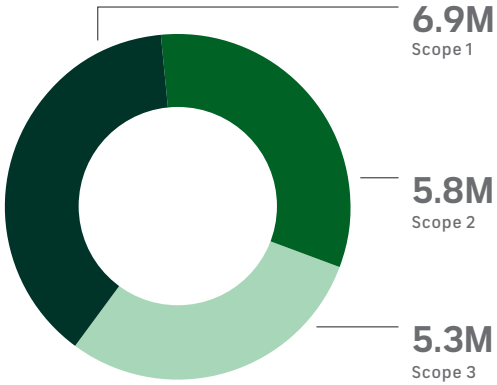
Overview of Nucor GHG Emissions 2024

Scope 1: Direct emissions from operations.
Scope 2: Indirect emissions from purchased electricity.
Scope 3: Emissions associated with purchased raw material production and transportation.

Nucor Company Wide (GHG)

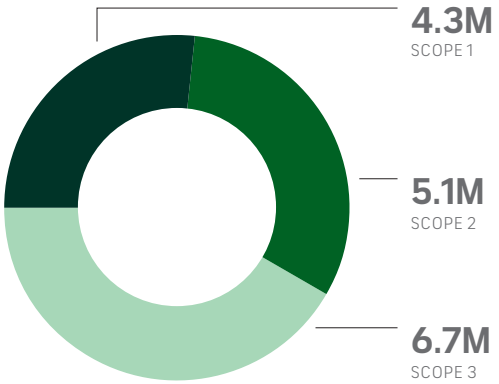
Metric Tons of CO_2 Eq. in Millions (M)

Steel Mills, DRI plants, Product Groups, Scrap Processing & Transportation



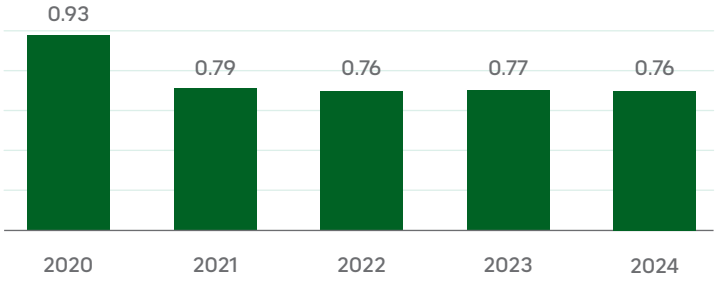
Nucor Steel Mills[1] (GHG)

Metric Tons of CO_2 Eq. in Millions (M)



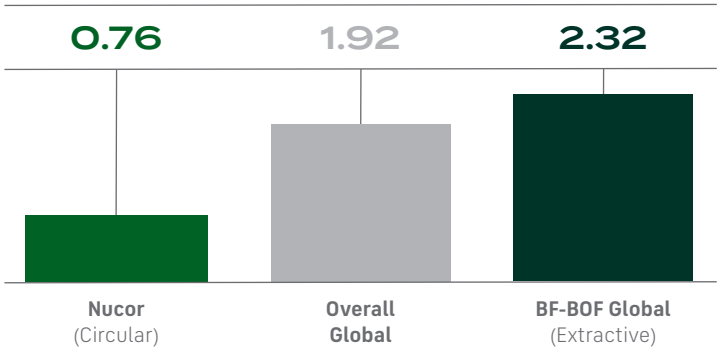
Nucor Scope 1, 2 & 3 Intensity (2020-2024)[1]

(Metric Tons of CO_2 Eq. Per Metric Ton of Steel Produced)



Scope 1, 2 & 3 Intensity[2]

(Metric Tons of CO_2 Eq. Per Metric Ton of Steel Produced)

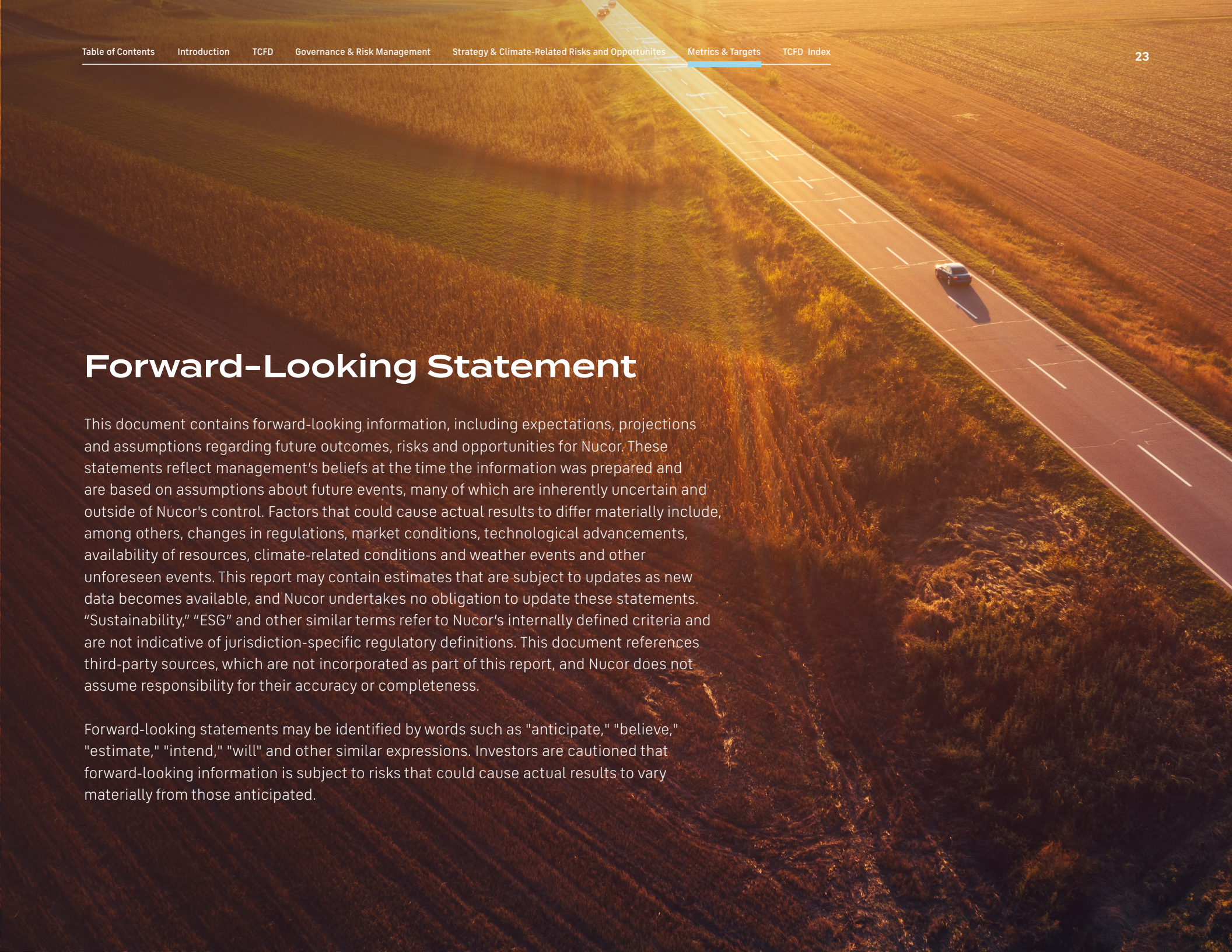


External Assurances

2024 Nucor Steel Mill Scope 1, 2 and 3 (Category 1) emissions data was verified by SCS Global Services in alignment with ISO 14064-3 2019. Nucor's Scope 1, 2 and 3 intensity (above) was calculated using the verified emissions data. SCS Global's Verification Statements can be found **here**.

1. All steel mills with melting capacity owned and operated by Nucor were included in the steel mill inventory, with the exception of Nucor Steel Brandenburg, which is still in the ramp-up phase. Emissions from this mill, however, are included in the Nucor company-wide graph above.

2. Overall Global and BF-BOF Global Scope 1, 2 and 3 Intensities are based on World Steel Association's latest sustainability indicator report.



Forward-Looking Statement

This document contains forward-looking information, including expectations, projections and assumptions regarding future outcomes, risks and opportunities for Nucor. These statements reflect management's beliefs at the time the information was prepared and are based on assumptions about future events, many of which are inherently uncertain and outside of Nucor's control. Factors that could cause actual results to differ materially include, among others, changes in regulations, market conditions, technological advancements, availability of resources, climate-related conditions and weather events and other unforeseen events. This report may contain estimates that are subject to updates as new data becomes available, and Nucor undertakes no obligation to update these statements. "Sustainability," "ESG" and other similar terms refer to Nucor's internally defined criteria and are not indicative of jurisdiction-specific regulatory definitions. This document references third-party sources, which are not incorporated as part of this report, and Nucor does not assume responsibility for their accuracy or completeness.

Forward-looking statements may be identified by words such as "anticipate," "believe," "estimate," "intend," "will" and other similar expressions. Investors are cautioned that forward-looking information is subject to risks that could cause actual results to vary materially from those anticipated.

TCFD INDEX

Category	Disclosures	Reference Location
Governance Disclose the organization's governance around climate-related risks and opportunities.	**a)** Describe the Board's oversight of climate-related risks and opportunities.	Page 6
	b) Describe management's role in assessing and managing climate-related risks and opportunities.	Page 7
Strategy Disclose the actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning where such information is material.	**a)** Describe the climate-related risks and opportunities the organization has identified over the short, medium and long term.	Pages 8-20
	b) Describe the impact of climate-related risks and opportunities on the organization's business, strategy and financial planning.	Pages 8-20
	c) Describe the resilience of the organization's strategy, taking into consideration different climate-related scenarios, including a 2°C or lower scenario.	Pages 10-13
Risk Management Disclose how the organization identifies, assesses, and manages climate-related risks**.**	**a)** Describe the organization's processes for identifying and assessing climate-related risks.	Page 8
	b) Describe the organization's processes for managing climate-related risks.	Pages 7-9
	c) Describe how processes for identifying, assessing and managing climate-related risks are integrated into the organization's overall risk management.	Pages 7-9
Metrics and Targets Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material.	**a)** Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.	Pages 10, 21-22
	b) Disclose Scope 1, Scope 2 and, if appropriate, Scope 3 GHG emissions, and the related risks.	Pages 21-22
	c) Describe the targets used by the organization to manage climate-related risks and opportunities and performance against targets.	Page 21