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Notice of Efforts Toward Carbon Neutrality

Nippon Electric Glass Co., Ltd. (the “Company”) includes "Consideration for the environment" as one of its key values and upholds the belief that “the key to achieving the world’s most environmentally friendly manufacturing is to achieve the world’s most efficient manufacturing.” Accordingly, we have been working to save energy and reduce CO₂ emissions by improving quality and yield. With carbon neutrality now an important issue on a global scale, we launched the Carbon Neutrality Project within the Company in April last year to further strengthen our efforts to reduce CO₂ emissions.

Since the glass business uses a large amount of energy in the melting process, to reduce our impact on global warming as much as possible, we have long been working to reduce CO₂ emissions focusing specifically on the melting process. **In 1993, we became the first company in Japan to introduce an oxy-fuel combustion furnace**, which reduces CO₂ emissions and the generation of thermal nitrogen oxides (NOx), and this technology has now been adopted for almost all of our furnaces. As we shifted from heavy oil to LPG and then to natural gas to reduce CO₂ emissions, **we completely phased out the use of heavy oil in 2010 and then completed the conversion to natural gas**. In addition, in order to increase productivity as well as energy use efficiency, we have converted to a hybrid melting furnace that uses electricity in the melting process and natural gas. Currently, we are actively working on **converting to an all-electric melting furnace** that uses electricity for all melting energy as an important measure for achieving carbon neutrality.

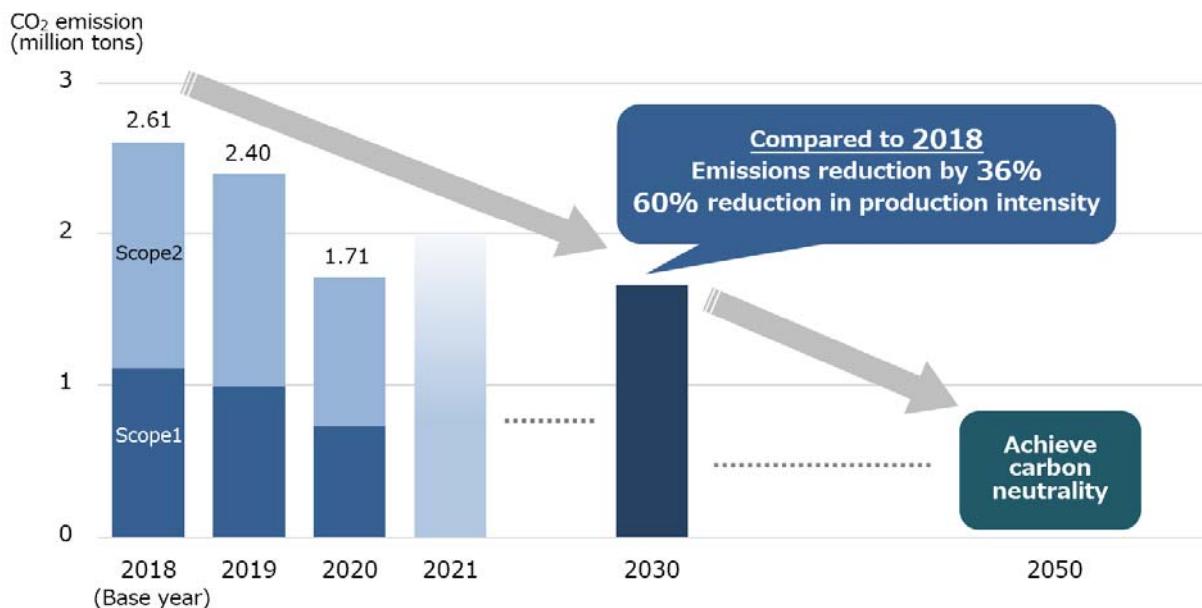
Committed to continually pursuing sustainable manufacturing to contribute to the prevention of global warming, the Company is striving to **reduce CO₂ emissions (Scope 1+2) by 36% and production intensity (Scope 1+2) by 60% by 2030 compared to 2018**. We will also aim to achieve **carbon neutrality by 2050**. To achieve these goals, we will promote ambitious initiatives that incorporate the company-wide horizontal deployment of electric melting, switching to energy-saving equipment, accelerating the renewal of utility facilities, developing technologies for using hydrogen and other CO₂-free fuels, and investing in and procuring renewable energy.

(Support for the TCFD)

In November last year, we announced our support for the Task Force on Climate-related Financial Disclosures (TCFD) so that we can analyze the risks and opportunities posed by climate change to our business and communicate to everyone the financial implications and our response to them. We will continue to conduct such analysis based on the TCFD recommendations and disclose information as appropriate.

(CO₂ emission reduction target (Scope 1+2))

We aim to achieve 36% reduction in emissions and 60% reduction in production intensity by 2030, and carbon neutrality by 2050.



(Efforts toward carbon neutrality)

We aim to achieve carbon neutrality through aggressive investment, and research and development, etc.

In April 2021, we launched the Carbon Neutrality Project and created and implemented an action plan for CO₂ emission reduction, which is in operation.

Category	Efforts
Manufacturing process	Promoting electric melting; increasing efficiency of melting
	Switching to energy-saving equipment
	Technological improvement and electrification of forming and processing equipment
	Automation and optimization of operations
Utility facilities	Upgrade to high-efficiency equipment
	Optimization of equipment (elimination of supply-demand mismatch, etc.)
	Optimization of operation (external environment, production process, etc.)
Technology development	Development of technology for CO ₂ -free fuel (hydrogen, etc.)
Procurement	Investment in and procurement of renewable energy

(Carbon Neutrality (CN) and TCFD Promotion System)



- Creation of CN action plan and start of efforts in FY2022
- Endorsement of support for the TCFD in November 2021. Analysis of initial scenario at time of endorsement. Carbon tax and increased energy costs perceived as significant risks
- Promotion of marketing and development of environmentally friendly products
 - Glass fiber (for wind turbine blades for wind power generation, etc.)
 - All-solid-state Na-ion secondary batteries, etc.