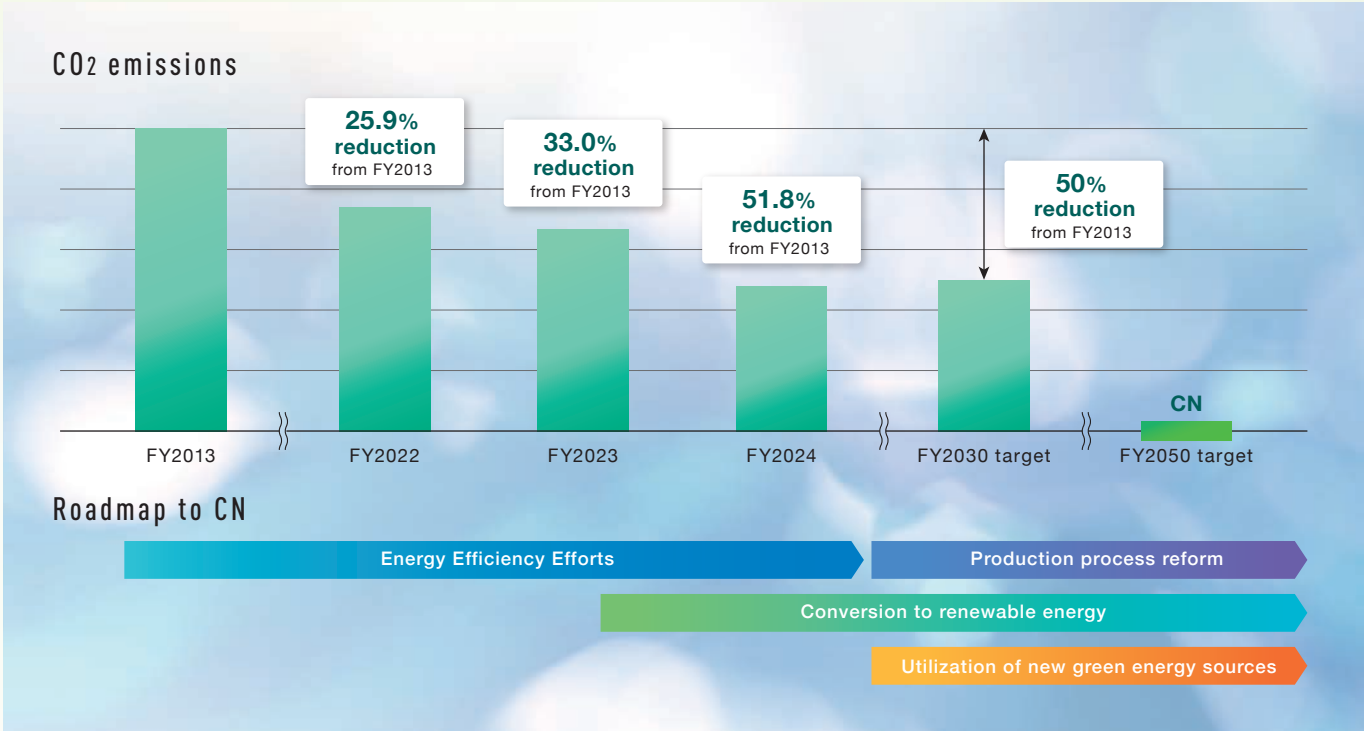


The Challenge of Going Carbon Neutrality

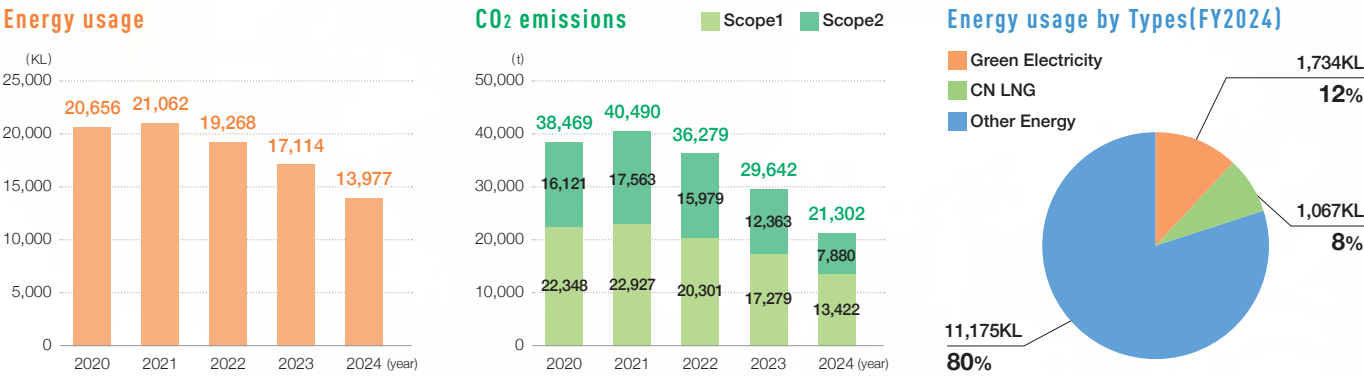
As a company that conducts business using petrochemical resources, we recognize that it is a very important responsibility to go CN (Carbon Neutrality). We have set a goal of reducing CO2 emissions from our domestic business sites by 50% from the FY2013 level by FY2030, and achieving CN by FY2050.



To achieve our goals, we are promoting energy-saving activities such as fuel efficiency improvement and conversion to renewable energy as well as approaching a low-carbon society through our business.

Promoting Energy Conservation

NJC's factories promote the reduction of fuel and electricity usage. At each of our plants, we are reviewing our past energy-saving activities and striving to improve fuel efficiency. Specifically, this includes achieving a fundamental understanding of fuel usage of by equipment and thereby eliminating waste.



New Japan Chemical Co., Ltd. / Nissin Chemical Co., Ltd. / Nitto Kasei Kogyo K.K.

Procurement of renewable energy

We are promoting the procurement of renewable energy sources for electricity and gas used in our manufacturing processes. We are aiming to achieve a 100% renewable energy for electricity by FY2030.

Procurement performance of renewable energy					
Plants	Kyoto Plant	Tokushima Plant	Kawasaki Plant	Kyoto R&D Center	Nissin Chemical Co., Ltd.
Green Electricity					
CN gas					

*Kawasaki Plant and Kyoto R&D Center do not use gas.

Sustainable Raw Material Procurement through RSPO Certified Oil



We work closely with our suppliers and our CSR policy outlines how we conduct our responsible procurement activities.

Palm oil and palm kernel oil, one of our main raw materials, are the most commonly used vegetable oils in the world for food, cosmetics, detergents, fuel, and other applications because they have high yield per unit area and low cost compared to other vegetable oils and fats. As a result, the plantations are expanding due to increasing demand for vegetable oil. This has caused environmental issues (e.g., deforestation of tropical rainforests) and social problems (e.g., forced labor) which have become more prominent in Southeast Asia. In order to promote our sustainable procurement of these palm oil derivatives, we approved the purpose of the Roundtable on Sustainable Palm Oil (RSPO) and joined as a full member in 2015. We obtained supply chain certification and began selling certified products in 2018.



RSPO Certified Products Supply Chain

We have a supply chain for RSPO-certified products, from raw material procurement to finished products.



R&D Efforts for Reducing Environmental Impact

Reducing environmental impact through functional materials

RiKACRYSTA

RiKACRYSTA is a range of crystal nucleating agents that reduces molding processing time and improves production efficiency by speeding up the crystallization rate of polyolefin resins, resulting in faster speeds than conventional techniques. It is expected to lower energy consumption in the molding process and reduce defective products.

RiKAeCOOL

We have developed an ester material that ensures improved safety at a high flash point and offers outstanding thermal control capabilities, maintaining temperatures at approximately 40°C without requiring electricity. This product helps reduce energy consumption in thermal management applications, including phase change materials, temperature-controlled transportation, and insulation materials.



Reducing environmental impact through biomass-derived materials

RIKANATURA

RIKANATURA is a plant-derived emollient developed as a raw material for cosmetic products to replace mineral-derived silicones. It is an oil product that is highly volatile and provides a smooth feel. It is promoted as a natural cosmetic ingredient.

GREENCIZER

This plasticizer has been made from biomass-derived materials. It offers performance equal to or greater than that of fossil-derived, general-purpose plasticizers, such as DINP. The product has obtained the Biomass Mark certification and contributes to the biomass conversion of polyvinyl chloride (PVC) products.

*RiKACRYSTA / RiKAeCOOL / RIKANATURA / NJLUB / GREENCIZER / RIKABINOL are New Japan Chemical Co., Ltd. 's trademarks.

NJLUB

NJLUB is a plant-derived ester oil that is free from low-temperature liquidity issues associated with plant-derived oils and serves as an alternative to mineral-derived oils. It contributes to the biomass conversion of lubricants for mobility and industrial applications.

RIKABINOL ND

RIKABINOL ND is a nonanediol made from 100% biomass-derived materials. It is a new material that can contribute to the biomass conversion of polyurethane and polyester.