

# **Carbon Neutral Initiatives**

**Arisawa Mfg. Co., Ltd.**

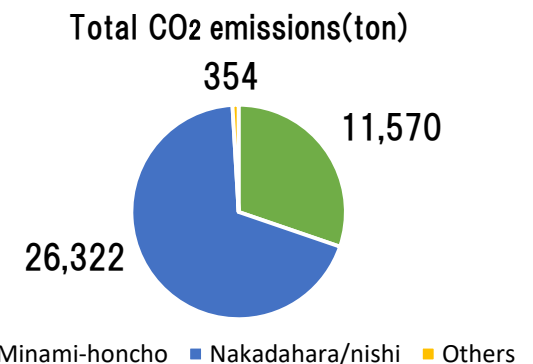
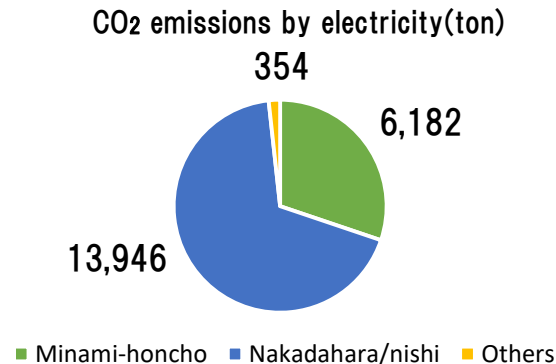
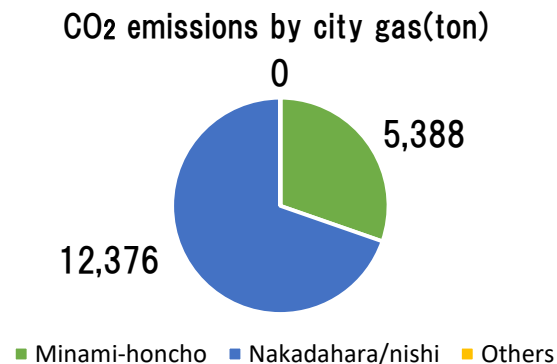
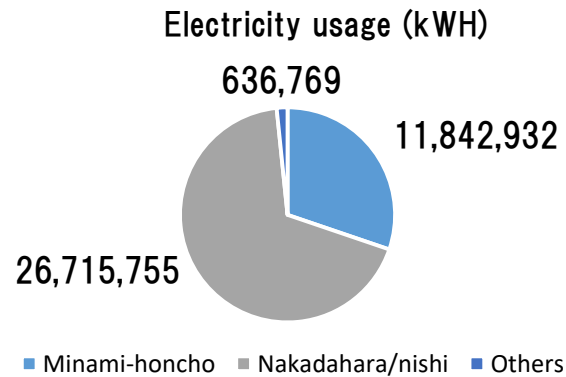
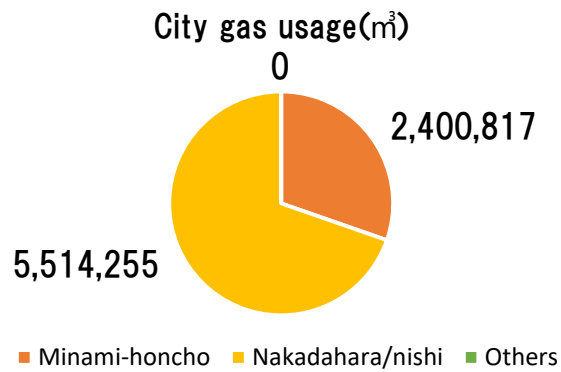
# Basic policy

Arisawa has been making various efforts to improve efficiency in energy use.

We will expand these efforts and strive to achieve carbon neutrality in regard to direct emissions (Scope 1) and indirect emissions (Scope 2) by FY2030, enhancing the technological development for production of low-carbon materials and the use of renewable energy.

# CO<sub>2</sub> emissions using city gas and electricity in FY2020

	City gas		Electricity		Total CO <sub>2</sub> emissions (ton)
	Usage(m <sup>2</sup> )	CO <sub>2</sub> emissions(ton)	Usage(kWH)	CO <sub>2</sub> emissions(ton)	
Minami-honcho factory	2,400,817	5,388	11,842,932	6,182	11,570
Nakadahara/nishi factory	5,514,255	12,376	26,715,755	13,946	26,322
Others	0	0	636,769	354	354
Total	7,915,072	17,764	39,195,456	20,482	38,246



# Roadmap for implementation of carbon neutral initiatives

	FY2021	FY2022	FY203	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
Improvement of enegy use efficiency	Improvement of production facilities efficiency									
	Utilization of waste heat from production facilities									
	Improvement of air conditioning efficiency									
	Improvement of steam system efficiency									
Utilization of renewable energy	Utilization of renewable energy electricity									
	Utilization of carbon neutral gas									
				Biomass power generation using waste materials						
					Solar power generation					
					Air conditioning using groundwater					
Development of low carbon products	Process improvement for the reduction of energy use in production									
						Development of products which become hardened with low energy				
									Development of solventless products	

# Forecast for CO<sub>2</sub> emission reductions and breakdown

