

Panasonic GREEN IMPACT

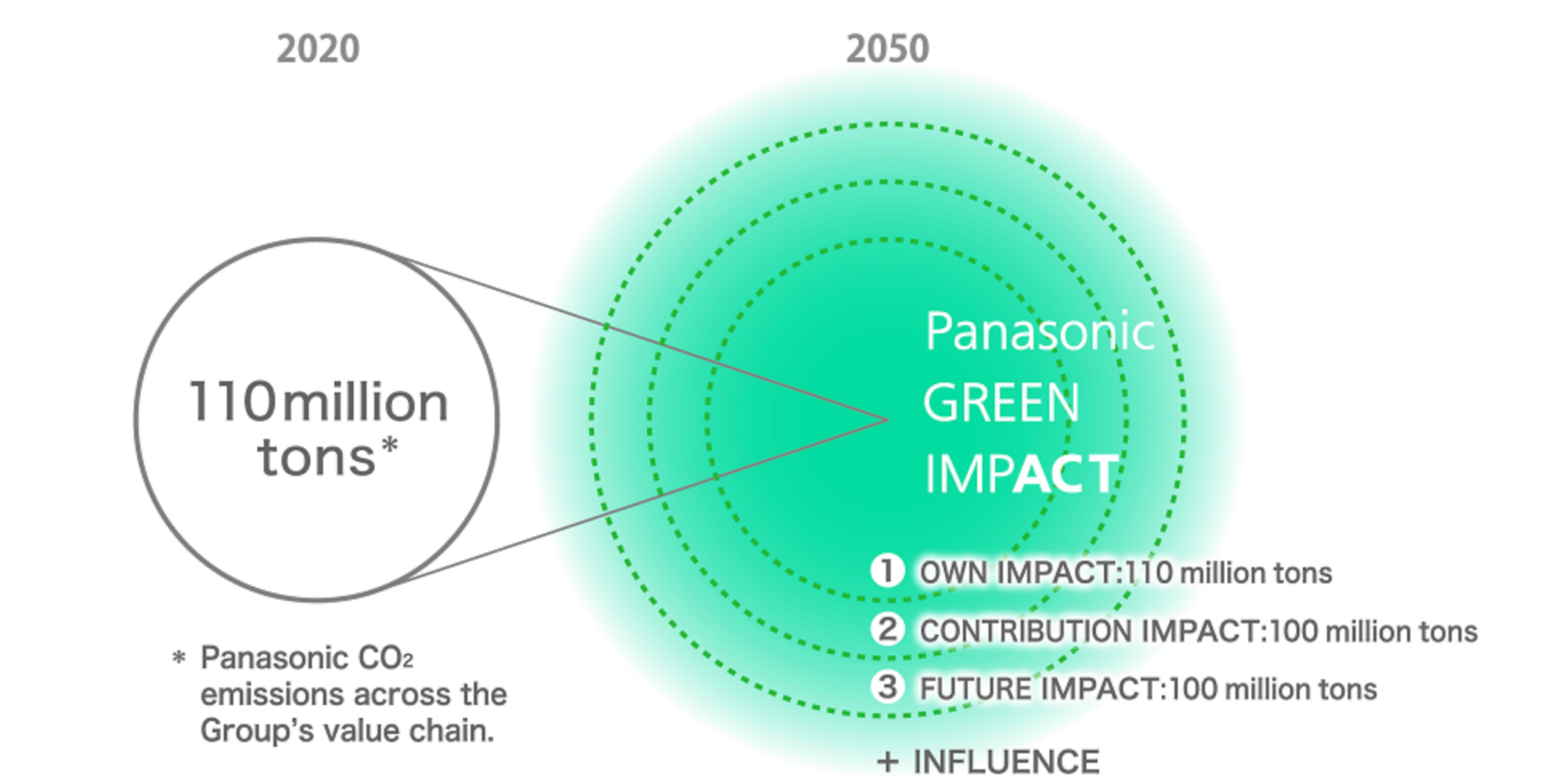
Each action that Panasonic takes to fight global warming may be small. However, when all these actions are added together, the impact can be great.

Reducing CO₂ emissions of our own value chain and society - we are calling such initiatives "Panasonic GREEN IMPACT" and we will work towards our own goal to realize a better life and a more sustainable global environment.

By 2050, Panasonic Group aims to create impact that reduces CO₂ emissions by more than 300 million tons^{*1}, or about 1% of the current total global emissions^{*2}

*1 300 million tons calculated with 2020 emission factors
*2 33.6 billion tons of energy-related CO₂ emissions in 2019 (Source: IEA).

The Panasonic Group will contribute to decarbonization of society by generating the following 4 impacts in its wide-ranging business fields. These impacts will help lower society's CO₂ emission factor, which will also accelerate the reduction of emissions from our own value chain.



Types of IMPACT and Examples of Initiatives

IMPACT types	Panasonic Group Initiative Examples
<div>OWN IMPACT</div> Emission reduction in the Group's value chain	<ul style="list-style-type: none">Initiatives to create zero-CO₂ emissions factoriesEnergy saving in Panasonic officesEnergy-saving Panasonic consumer electronics used by customers
<div>CONTRIBUTION IMPACT</div> Avoided emissions by existing businesses	<ul style="list-style-type: none">Pure hydrogen fuel cellsAir to water heat pumps (Aquarea)Vacuum insulated glass (Glavenir)Refrigerated showcases with automatic doors for convenience stores and supermarketsLithium-ion batteries for Evs
<div>FUTURE IMPACT</div> Avoided emissions through new technologies and businesses	<ul style="list-style-type: none">Environmental technology currently under development (perovskite solar cells, etc.)
<div>+ INFLUENCE</div> Ripple effect on energy transformation of society	<ul style="list-style-type: none">Promoting renewable energy use through business activities (OWN-CONTRIBUTION) and communication activities

GREEN IMPACT PLAN 2024 (GIP2024)

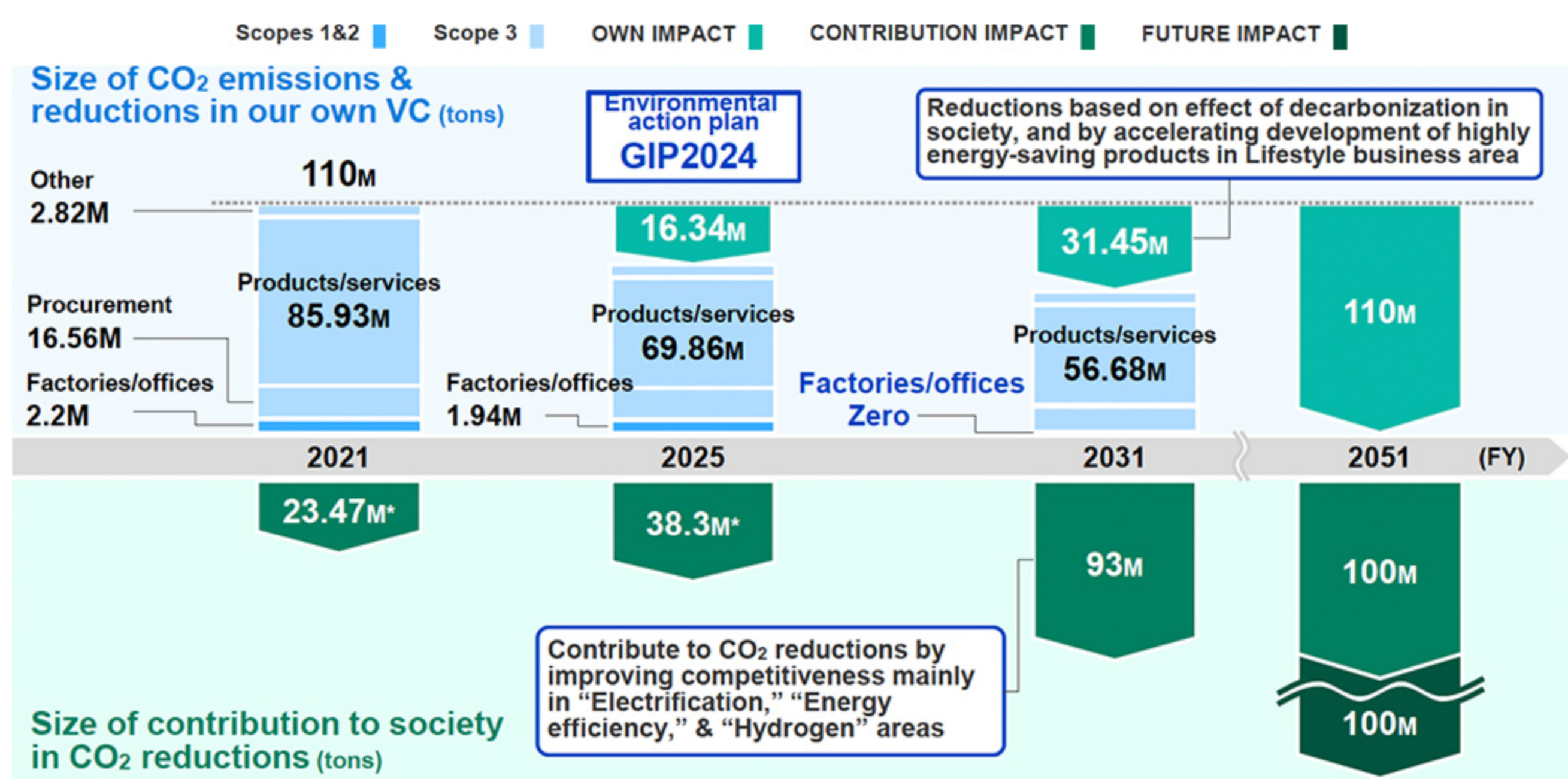
Environmental action plan "GIP 2024" formulatedFeasibility of Panasonic GREEN IMPACT 2050 enhanced.

		FY2021 results	FY2025 targets
CO ₂ /Energy	OWN IMPACT CO ₂ reductions in our own VC ^{*1}	—	16.34 Mt ^{*2}
	Scopes 1&2 ^{*1} Zero-CO ₂ factories CO ₂ reductions	7 factories —	37 factories 0.26 Mt ^{*2}
	Scope 3 ^{*1} CO ₂ reductions in use of our products by customers	—	16.08 Mt ^{*2}
	CONTRIBUTION IMPACT "Avoided Emissions" for society	23.47 Mt	38.3 Mt
Resources/CE ^{*3}	Recycling ratio of factory waste	98.7%	99% or more
	Use of recycled resin (3-year sum ^{*4})	43.3 Kt	90 Kt
	CE-based business models/products	5 businesses	13 businesses

*1 Classification made based on GHG (Green House Gas) Protocol, the international calculation standard
*2 Size of CO₂ reduction targets shown above is difference from that in FY2021.
*3 CE: Circular Economy
*4*3-year sum*: FY2020-FY2022 cumulative results / FY2023-FY2025 cumulative targets

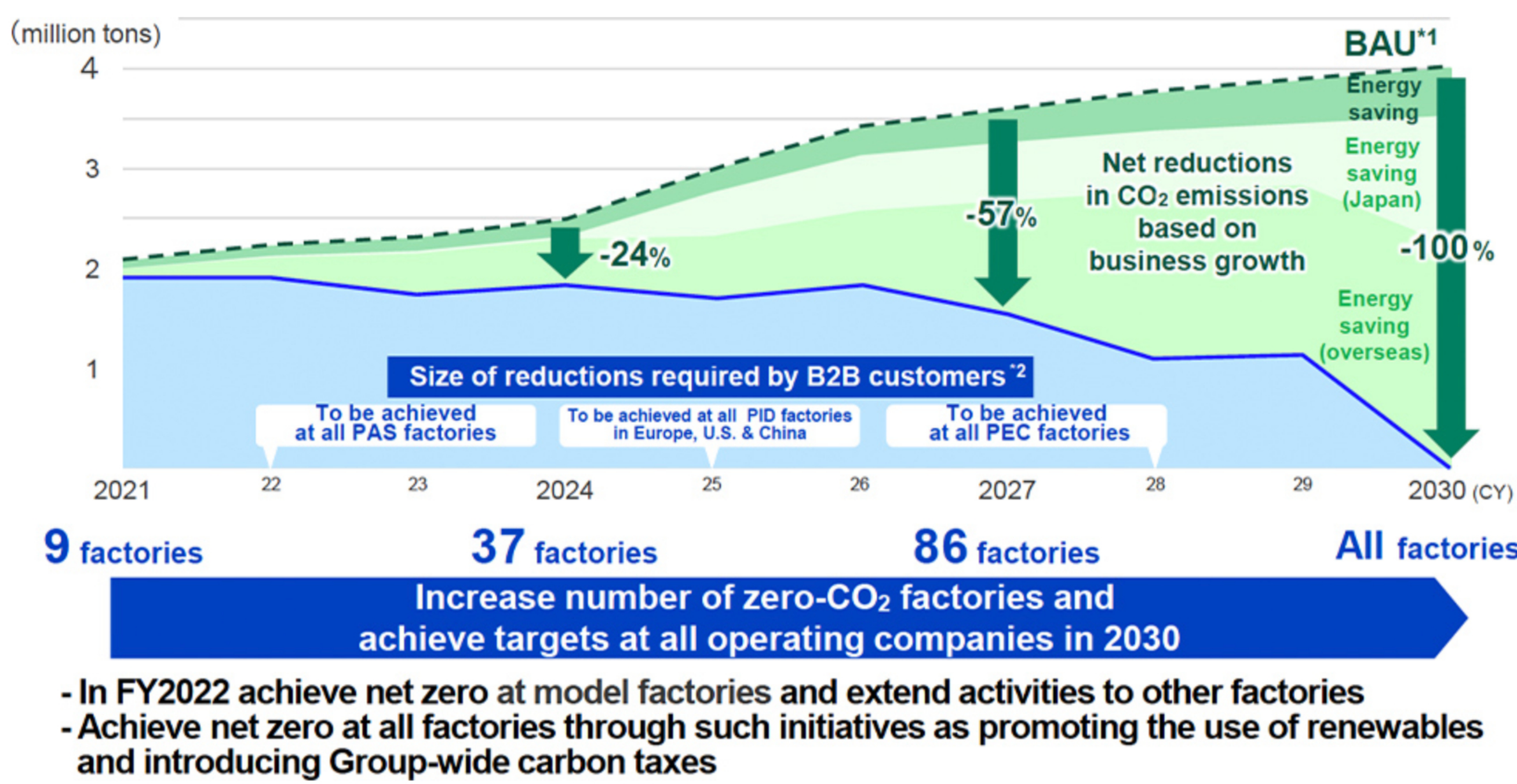
By presenting and achieving these concrete medium-term goals up to FY25, we aim to step-by-step get closer to the ideal state.

Toward 2030, create contributions that reduce emissionsby approx.100 Mt, in addition to net-zero in-house emissions.



In FY31, as we have already committed, we aim to achieve net zero in-house emissions. In addition, in scope 3, through rigorous pursuit of energy-saving in the lifestyle business, we aim to expand own impact to 31.45 million tons. In the area of contribution impact shown at the bottom, by enhancing the competitiveness of existing businesses centered on the fields of electrification, energy efficiency, and hydrogen, we project the amount of contribution to reduction to be 93 million tons in FY31.

Increase number of zero-CO₂factories Group-wide by promoting energy saving and by introducing & purchasing renewable energies to a degree that surpasses the amount of increased emissions from business growth.



I hereby reconfirm our commitment to achieving targets group-wide in FY31 by selecting the most efficient introduction and procurement of renewables.

The Panasonic Group strives to achieve carbon neutrality together with society, by creating impacts from actions that reduce CO₂ emissions of our own and of various fields of society.

Global Warming Issues and Our Responsibility

Click here for details

Our CO₂ Emissions

Panasonic Initiatives

Click here for details

Our CO₂ Emissions

At Panasonic Group, we believe our most important issues are to tackle global warming and reduce our own and society's CO₂ emissions.

Achieve net-zero CO₂ emissions of all operating companies by 2030.