YOKOHAMA in 2030

A PRELIMINARY COMMUNITY VISION FOR 1.5-DEGREE LIFESTYLES

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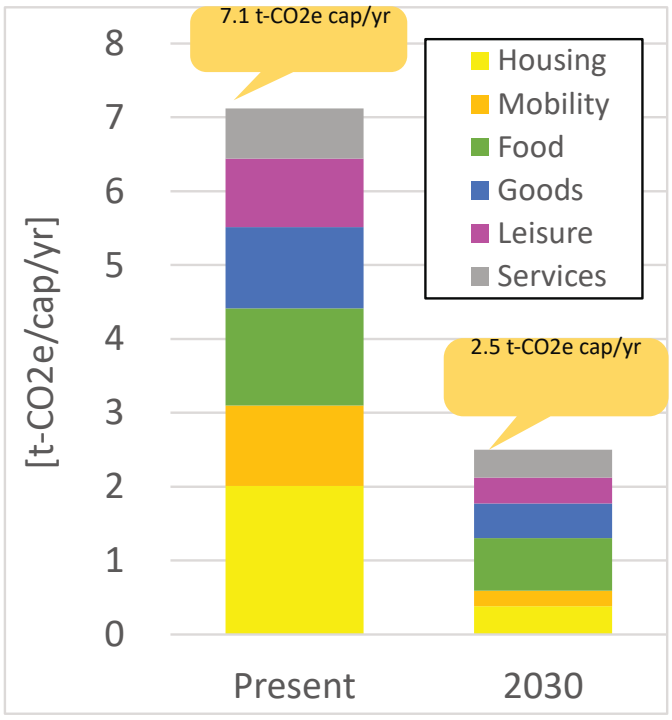
YOKOHAMA in 2030: Project Participant's Vision

In 2030, Yokohama continues to be renowned for its innovation, cultural diversity, beach and hills, and ample of green spaces. The city has one of the most inclusive transport strategies that takes into account the needs of different age groups.

Highlights of Participant's Envisioned Yokohama in 2030

Citizen's average carbon footprint is reduced from over 7.1 tCO2e to 2.5 tCO2e

- 90% of private car use is replaced by electric bicycle, on-demand electric buses, and other forms of public transportation
- Many PV urban farms and roof top solar PVs are installed. Citizens purchase electricity from RE100% power companies
- It is common to build energy efficient houses such as zero energy houses
- Citizens make informed food choices and reduce their red meat consumption
- Existing and new urban parks serve multiple functions, including promoting community vegetable and fruit gardens



Envisioned Lifestyle Carbon-footprint Reduction

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YOKOHAMA in 2030

PROJECT PARTICIPANT'S SELECTED OPTIONS FOR 1.5-DEGREE LIFESTYLE

HOUSING

Citizens subscribe to renewable energy.

Energy-efficient fixtures like LED lights, solar water heater and efficient heat pump are installed by many citizens.

Photo-voltaic (PV) greenhouse urban farms are widespread.

Option Catalogue Reference	Option Name	Expected per capita mitigation potential	Short-term	Mid-term	Long-term
33	Wise clothing	-100kgCO2e/year			
29	LED bulb	-90kgCO2e/year			
31	Simple window insulation	-30kgCO2e/year			
37	Roof top solar PV	-560kgCO2e/year			
38	100% RE electricity plan	-530kgCO2e/year			
28	RE with IH cooking heater	-340kgCO2e/year			

MOBILITY

Yokohama has dedicated strategy for last-mile mobility.

Use of shared electric bicycles and on-demand electric bus service is common to access Yokohama's hilly topography.

There are dedicated bike lanes and wide-sidewalks.

Transport system is inclusive, and pays a special attention to the need of children and elderlies.

Option Catalogue Reference	Option Name	Expected per capita mitigation potential	Short-term	Mid-term	Long-term
6	Buy in bulk	-90kgCO2e/year			
9	Private trip by bicycle	-150kgCO2e/year			
21	Eco-driving	-90kgCO2e/year			
12	Online homecoming	-50kgCO2e/year			
19	Ride sharing	-190kgCO2e/year			
1	Teleworking	-140kgCO2e/year			
14	Spend Long holidays in Yokohama	-130kgCO2e/year			

FOOD

Yokohama has community vegetable gardens.

Citizens prefer locally grown seasonal vegetables and fruits.

Citizens are aware of carbon footprint of meat extensive diet and food waste. They make informed choices to substitute meat consumption and reduce food waste.

Option Catalogue Reference	Option Name	Expected per capita mitigation potential	Short-term	Mid-term	Long-term
44	Balanced drinks/ snacks	-80kgCO2e/year			
43	Balanced home cooking	-20kgCO2e/year			
50	Vegetarian diet	-20kgCO2e/year			
49	Vegan diet	-50kgCO2e/year			
47	Less food loss at home	-30kgCO2e/year			
54	Buy seasonal vegetables	-20kgCO2e/year			

GOODS and SERVICES

Citizens are conscious shoppers and pay particular attention to environmental sustainability of their purchases.

Shops across the city are part of transparent supply chain initiatives that enables citizens to know where their goods are coming from.

Option Catalogue Reference	Option Name	Expected per capita mitigation potential	Short-term	Mid-term	Long-term
57	Selection of clothing	-150kgCO2e/year			
62	Selection of daily necessities	-50kgCO2e/year			
63	Selection of books etc.	-10kgCO2e/year			
61	Selection of hobby goods	-30kgCO2e/year			
60	Selection of electronics	-30kgCO2e/year			

LEISURE

Yokohama has retained and expanded its urban farms, green hills, and parks. Citizens enjoy picnics and outings within the city.

Amenities like museums and libraries are distributed throughout the city.

Option Catalogue Reference	Option Name	Expected per capita mitigation potential	Short-term	Mid-term	Long - term
64	Community recreation	-190kgCO2e/year			
65	Local eco-tourism	-60kgCO2e/year			

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