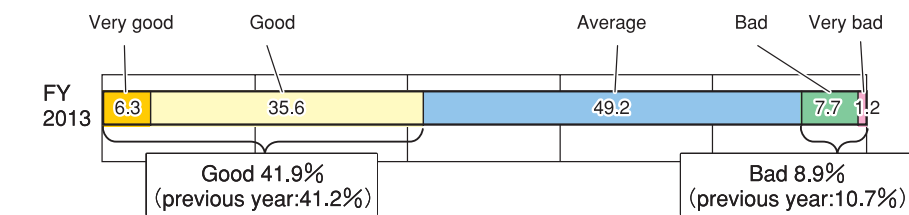
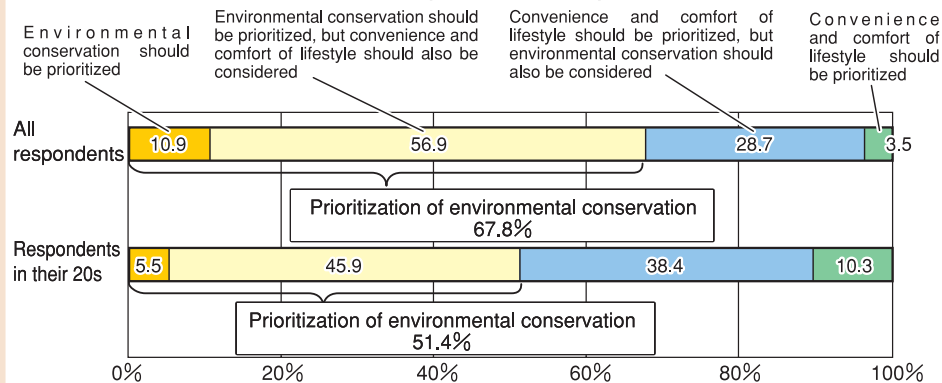


# Results of the Citizen Awareness Survey on the Environment

**Question** How do you perceive the current state of Yokohama's natural environment?



**Question** Do you think environmental conservation or convenience and comfort of lifestyle should be prioritized?



**Question** In the future, what efforts do you want Yokohama City to prioritize?

- Top 5 items chosen (19 possible items; multiple answers allowed)
- ① Creation and preservation of parks and roadside/riverside greenery (34.0%)
  - ② Preservation of scenery that is characteristic of Yokohama (29.3%)
  - ③ Creation of green spaces in the city center and other urban districts (27.1%)
  - ④ Measures to stop global warming (26.6%)
  - ⑤ Efforts to reduce garbage and recycle (promotion of the 3R) (24.0%)

More than 40% of respondents answered that Yokohama's environment is "good," a response ratio that has remained largely unchanged from year to year. In contrast, numbers of "bad" and "very bad" responses have been decreasing over the years.

When asked whether they thought environmental conservation or convenience and comfort of lifestyle deserved priority, approximately 70% of those surveyed thought "environmental conservation should be prioritized," indicating a high level of environmental awareness among Yokohama's citizens. However, only about half of the respondents in their twenties answered in this way, meaning that efforts to raise awareness among this age group must be prioritized.

In response to the question about what efforts Yokohama City should prioritize in the future, two of the top three items chosen (from among 19 total items) were related to green spaces. Among these, "creation and preservation of parks and roadside / riverside greenery" ranked first and "creation of green spaces in the city center and other urban districts" ranked third, displaying an overall interest in and strong demand for greenery.

## FY 2013 "the Citizen Awareness Survey on the Environment"

Survey period: July 26–30; no. of questions: 35; survey method: Internet survey

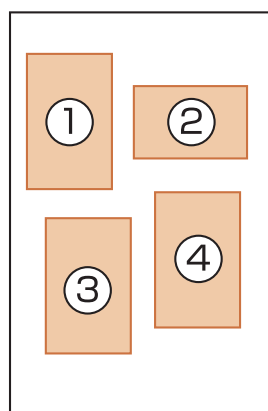
### For those interested in learning more about Yokohama's natural environment

Please take a look at the "Main Edition" and "References Edition" of the full annual report, also titled "Yokohama's Natural Environment." These describe in great detail the current state of Yokohama's natural environment and measures taken by Yokohama City.

#### [Report distribution]

- Available for download on the Yokohama City Environmental Planning Bureau website:  
<http://www.city.yokohama.lg.jp/kankyo/etc/jyorei/keikaku/kanri/nenjhoukoku/h25/>
- Available for reading at Yokohama City Hall, Yokohama ward offices, Yokohama City Central Library, etc.
- Available for purchase at the City Hall Citizens Information Center (Yokohama City Hall 1F):  
¥1,000 for the set ("Main Edition" and "References Edition")

### Cover photograph descriptions



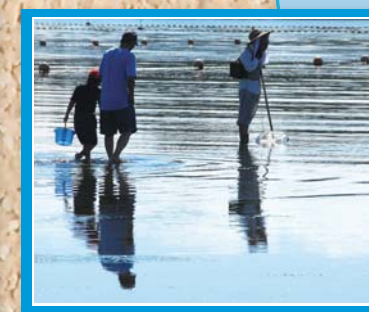
- ① Spring category grand prize  
Title: Zekkei (Marvelous View)  
Photographer: Yoshimasa Muramatsu
- ② Summer category grand prize  
Title: Asase o Aruku (Walking the Shallows)  
Photographer: Motoyuki Tsunashima
- ③ Autumn category grand prize  
Title: Happy Halloween  
Photographer: Osamu Hasegawa
- ④ Winter category grand prize  
Title: Yuki nimo Makezu (Standing Strong Even Amidst the Snow)  
Photographer: Susumu Matsuyama

# Yokohama's Natural Environment

Spring



Summer



This leaflet is a summary of the 2013 annual report (also titled "Yokohama's Natural Environment"), which provides an overview of progress made in measures and projects of the "Yokohama Environmental Management Plan".

The leaflet provides a variety of information on the current state of the natural environment and environmental initiatives in Yokohama.

Autumn



Winter



Prizewinning works from the 41st "Yokohama Four Seasons of Greenery" photo contest (Organizer: Yokohama Greenery Foundation)  
\*Refer to p. 4 for details on each photograph.

# Biodiversity

A rich lifestyle enabling regular contact with and enjoyment of nature and living creatures

Our lifestyles are made possible by various ecosystem services, and the actions of each and every Yokohama citizen have a major impact on biodiversity.

Yokohama's government was chosen as the representative for The "Network of Local Governments for Biodiversity" for the period from November 2012 to October 2013. In order to protect natural environments, which support a wide range of living creatures, the Network shares and communicates information on activities and results of local government bodies nationwide and promotes preservation of local biodiversity. Moving forward, we will collaborate with local governments throughout the country as part of active efforts in the field of biodiversity.

## ● Main Initiatives ●

### ○ Yokohama b Festival 2012

From October to November 2012, Yokohama hosted a focused series of biodiversity-related events as part of the "Yokohama b Festival 2012", including the "general meeting of The Network of Local Governments for Biodiversity" and the "Yokohama Environmental Action Festival 2012".



### ○ Citizens Participate in a Biological Survey

Biological surveys were conducted from July to August 2012 in six different paddy fields (environmental learning farms and elsewhere) in Yokohama City, which serve as vital habitats where living creatures can live and grow.



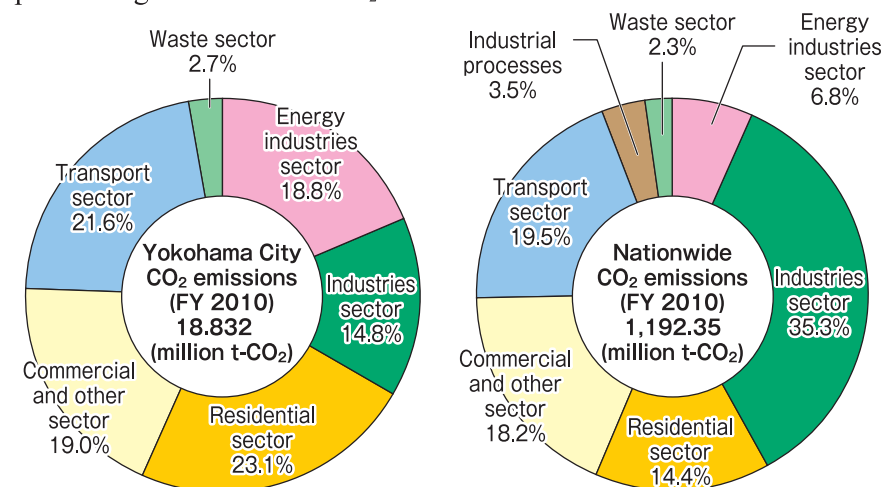


# Global Warming Countermeasures

Changing present lifestyles to “energy-conservation lifestyles” that reduce dependency on fossil fuels

Yokohama's greenhouse gas emissions in FY2010 were approximately 19.29 million t-CO<sub>2</sub>, which accounted for about 1.5% of the nationwide total. In FY 2011, preliminary results were 20.03 million t-CO<sub>2</sub>, a 3.8% increase from the previous fiscal year.

Carbon dioxide (CO<sub>2</sub>) accounted for a large proportion of greenhouse gases. When the proportion of CO<sub>2</sub> emissions is compared to that nationwide, the industries sector only accounts for a small amount, while the residential sector (emissions from daily household activities) accounts for a large percentage of overall CO<sub>2</sub> emissions.



Comparative CO<sub>2</sub> Emission Volumes by Sector in Yokohama City and Nationwide in Japan

## Main Initiatives

- Development of Yokohama Eco School (YES)
- Implementation of Yokohama Smart City Project
- Field testing of electric vehicle sharing programs, ultra-compact vehicles and so forth at apartment buildings, shopping arcades and elsewhere
- Efforts to expand and disseminate renewable energy

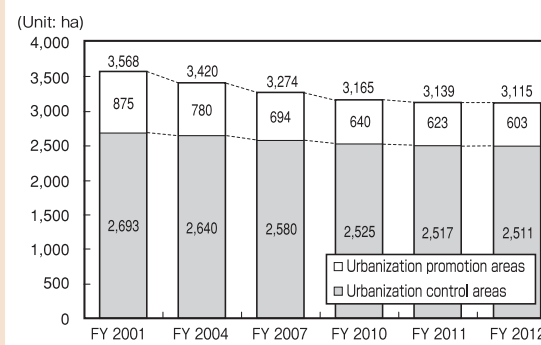
# Food Resources and Agriculture

New development of Yokohama-style agriculture by the coordination between “food resources” and the “agricultural industry”

In 2012, Yokohama's agricultural land area was 3,115 hectares, which was a 24-hectare decrease from the previous year. However, according to the “Citizen Awareness Survey on the Environment” conducted in July 2013, more than 60% of respondents indicated that they have purchased Yokohama-grown agricultural products before, indicating a high level of interest in locally grown produce among Yokohama's citizens.

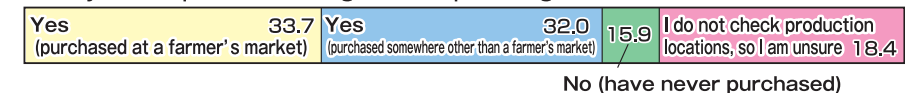
Paddy field preservation, support measures for the farmers who support agriculture and other such measures are being carried out based on the “Yokohama Green-Up Plan (New/Expanded Measures)” in a steady effort to preserve agricultural land.

In order to revitalize local agriculture, Yokohama will continue to preserve local farmland in various forms, and expand local production for local consumption measures and business matching activities.



\* Calculations based on records of fixed assets and other such documentation  
\* Due to rounding, totals may not match precisely

Have you ever purchased an agricultural product grown in Yokohama?



## Main Initiatives

- Preservation of farmland
- Creation of agricultural plots for use by citizens
- Promotion of local production for local consumption through coordination between food resources and agriculture

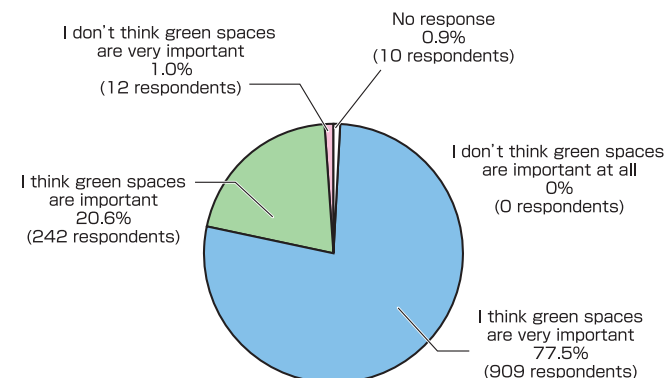
# Water and Green Spaces

Environmental preservation, restoration and creation to enable enjoyment of nature's blessings

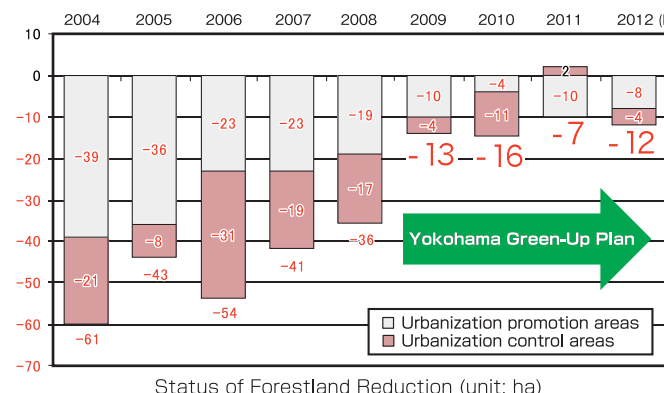
Results from the “Citizens' Awareness Survey on Green Spaces in Yokohama” conducted in July 2012 show that nearly all respondents (approx. 98%) considered green spaces to be important.

The “Yokohama Green-Up Plan (New/Expanded Measures)”, which has been in effect since FY 2009, provides preservation of green spaces through expansion of designated protection areas, measures for unusual or unforeseen situations such as purchase requests relating to land inheritance, and other such measures, slowing decreases of forested areas and mitigating green space reductions overall.

Based on the results of and issues raised by the previously implemented “Yokohama Green-Up Plan (New/Expanded Measures)” as well as citizen opinions and other such factors, we have established a new “Yokohama Green-Up Plan (period: FY 2014–2018)”. We will prioritize implementation of this new plan from FY 2014 onward with a central focus on the three central concepts of “cultivating forests together with citizens to forge connections to future generations,” “creating venues to help Yokohama citizens personally experience agriculture” and “creating green spaces with tangible presence to local citizens.”



Results from the Citizens' Awareness Survey on Green Spaces in Yokohama (Implemented in July 2012)



\* Areas shown are estimated values calculated based on area for land that falls under the forestland fixed asset taxation category. Adjustment of fractional amounts may result in totals that do not match sums of individual numbers.

## Main Initiatives

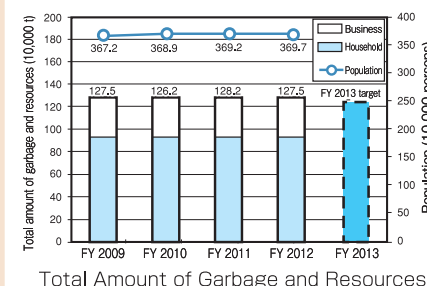
- Further promotion of the “Yokohama Green-Up Plan”
- Support for installation of rainwater storage tanks, dry wells, etc.
- River development

# Resource Recycling

Building a recycling-oriented society

Based on the Yokohama 3R Dream Plan, Yokohama is focusing its efforts on the environmentally friendly “reduce” concept of “reuse, reduce and recycle” (the 3R) in order to achieve switchovers to personal lifestyles and business operations that take the environment into consideration.

In FY 2012, the combined volume of garbage and resources was approximately 1.275 million tons, a 0.04% (approx. 600 t) decrease from FY 2009. The amount of greenhouse gases emitted as a result of waste processing was approximately 255,000 t-CO<sub>2</sub>, representing a 9.6% (approx. 27,000 t-CO<sub>2</sub>) decrease.



Fiscal Year	Volume (t-CO <sub>2</sub> )	Change (%)
FY 2009	282,000	-
FY 2010	230,000	-18.4%
FY 2011	253,000	-10.3%
FY 2012	255,000	-9.6%

## Main Initiatives

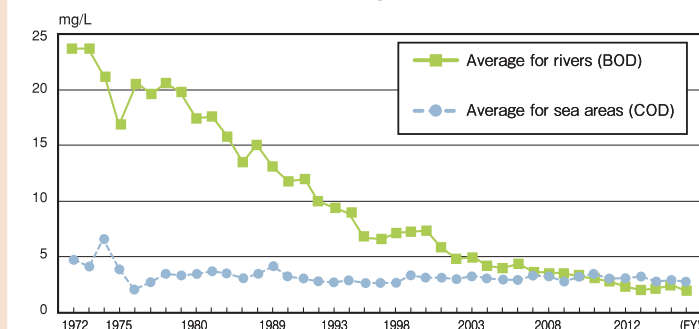
- Promotion of reduction efforts through utilization of Yokohama R (Reduce) Platform
- Promotion of reduction and thorough separation of garbage by businesses
- Promotion of local community collection of recyclables

# Living Environment

Preservation of safety and peace of mind as well as comfortable living environments

We investigate air, water and noise pollution based on the “Air Pollution Control Law”, “Water Pollution Control Law”, “Noise Regulation Law” and other relevant laws.

Moving forward, we will continue steadily with various efforts based on relevant laws, environmental preservation regulations and so forth to ensure safe, secure and comfortable living environments.



\*BOD (Biochemical Oxygen Demand): An indicator for levels of organic pollutants, determined by how much oxygen is required for decomposition of organic matter by microorganisms.

\*COD (Chemical Oxygen Demand): An indicator for levels of organic pollutants, determined by how much oxygen is required by an oxidizing agent to oxidize pollutants and so forth.

## Main Initiatives

- Continuing strengthening of regulations and guidance at industrial and business sites
- Countermeasures for PM2.5
- Promotion of heat island countermeasures