



The Tokyo 2020 Olympic and Paralympic Games as an Opportunity to Promote Consideration of the Environment

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Ministry of the Environment

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On August, 2014, the Minister of the Environment summarized the Ministry of the Environment's future initiatives aimed at bringing about the following at the 2020 Tokyo Olympic and Paralympic Games: (1) the realization of "environmentally-friendly Olympics," and (2) the realization of "Tokyo as an environmental city."

1. Background and basic direction

- Since the 1990s, the Olympic Charter has advocated the holding of sustainable Games, and past Games also show that environmental initiatives are essential.
 - The Tokyo 2020 Games, which will be held in a year that is a milestone for measures against global warming and measures for conservation of biodiversity, will be made successful as "environmentally-friendly Olympics," and we will draw the world's attention to Japanese environmental technologies.
- Amid new tasks such as a declining population, it is necessary to build a sound material-cycle society in harmony with nature that takes into consideration things such as revitalization of natural spaces and reduction of greenhouse gases and waste generation, with the aim of reducing greenhouse gases by 80% in 2050.
 - With the aim of reducing environmental loads, we will work to enhance the "environmental infrastructure," and thereby gain international competitiveness, bring about an "environmental city" that is pleasant and appealing, and disseminate it as a model throughout the world.

2. Main tasks and direction of initiatives

Direction 1: Creation of a low-carbon society

Initiatives aimed at a 3.8% reduction in 2020 and an 80% reduction in 2050 are necessary.

→ Introduction of cutting-edge technology (L2-Tech) and procurement of renewable energies from outside the region

Direction 3: Realization of a good atmospheric environment

It is necessary to handle things such as PM2.5 and photochemical oxidants.

→ Improvement of prediction accuracy, promotion of phenomenon clarification

Direction 5: Promotion of the 3Rs

Promotion of the 2Rs (reduce and reuse) and utilization of "urban mines" are necessary.

→ Introduction of the segregation labels, and consideration of how to establish advanced resource recycling

Direction 2: Measures against heat islands and heat stroke, and increased greening

Measures for handling Tokyo's average temperatures, which have risen significantly in the past approx. 100 years, are necessary.

→ Ensuring solar shading on sidewalks, mist sprays, green areas, water surfaces, and wind paths

Direction 4: Realization of a good water environment

It is necessary to revitalize abundant Tokyo Bay.

→ Consideration of creating environmental criteria for ecosystem effect indicators, and improvement of the water quality of both the inner moat and the outer moat

Direction 6: Realization of a society in harmony with nature

It is necessary to conserve and rejuvenate forests, countryside areas, rivers, and oceans as contiguous spaces.

→ Handling internationalization of things such as national parks, and disseminating their appeal to travelers from other countries

3. MOE's initiatives for the near future

The Ministry of the Environment's initiatives for the near future are as shown on the next slide. From now on, we will cooperate with related organizations such as relevant ministries, the Tokyo Metropolitan Government, and the Tokyo Organising Committee of the Olympic and Paralympic Games.

MOE' s main initiatives for the near future

Policies for the Games as a whole and over a wide range

Reducing carbon in the Tokyo metropolitan area (Low Carbon)

- Predictive simulation throughout the entire metropolitan area in relation to the diffusion and ripple effects of technologies for reducing carbon
- Support for projects to supply renewable energies generated in rural area to Tokyo' s main urban areas



Application of strengthened green purchasing standards (Low Carbon)

- Promotion of application of purchasing standards that are stricter than current standards



Transmitting information about the Games and the environment (Information transmission)

- Effectively transmitting initiatives for environmental consideration and environmental technologies and systems throughout Japan and the rest of the world
- Transmitting recovery from the Great East Japan Earthquake
- Actively transmitting to other countries information about national parks and world natural heritage sites, etc., and maintenance and management of facilities
- Environmental improvement of national parks
- Holding participatory ESD (education for sustainable development) events
- Providing education about appropriate management of pets



Legend

Measures against Heat Islands and heat stroke

Improvement of water quality

Reducing carbon

Thorough Implementation of the 3Rs

Information transmission

Support for introduction of various carbon-reduction technologies in relation to facilities for the Games (Low Carbon)

- Support for utilizing technologies related to energy conservation, including use of geothermal energy
- Provision, etc. of knowledge related to various carbon-reduction technologies in relation to facilities for the Games



Aerial photograph by Geospatial Information Authority of Japan

Low-carbon transportation policies (Low Carbon)

- Development of technologies related to EV and fuel cell buses
- Predictive simulations for low-carbon transportation policies such as preparation of bicycle paths



Materials provided by the Bureau of Environment, Tokyo Metropolitan Government

Thorough implementation of the 3Rs

- Demonstration projects and technology development aimed at building a system in which efforts can be made to recycle and to reduce waste
- Consideration of introducing the segregation labels that are easy to understand
- Further promotion of reducing and reusing
- Smooth disposal of medical waste



Measures against heat islands and heat stroke (Measures against heat islands and heat stroke)

- Reduction of sensory temperature by setting up environmental infrastructure
- Promotion of measures against heat stroke at venues for the Games and in areas around courses
- Further promotion of the Cool Share project



Moat of Imperial Palace (inner moat), outer moat (Water quality improvement)

- Initiatives aimed at purifying the water quality of the moat of Imperial Palace (inner moat) and outer moat



Tokyo Bay (Water quality improvement)

- Consideration of setting environmental standards to promote improvement of water environments



Materials provided by the Bureau of Port and Harbor, Tokyo Metropolitan Government



Project to promote environmental measures through an integrated approach aimed at the Tokyo 2020 Olympics

Budget for fiscal 2015 (planned)
Amount: JPY 536 million (new)

Background and objectives

The Olympic Charter advocates promotion of sustainable development by holding the Games, and at recent Olympics and Paralympics it has become normal for the host countries to not only operate the Games while considering the environment, but also to use the Games as an opportunity to promote creation of a sustainable society.

Above all, the year 2020 when the Tokyo Games will be held is a target year for reducing global greenhouse gases and a target year for stopping the loss of biodiversity, and it will be a milestone year for countries throughout the world to take action in environmental fields. Therefore, it is necessary for Japan to lead the world in environmental fields such as measures against global warming, realize a good cycle for the environment and the economy, and make maximum use of this opportunity.

In addition, in consideration of these circumstances, at the Tokyo Games it will be important to introduce the latest environmental technologies and initiatives, keep environmental loads to a minimum in the entire Tokyo metropolitan area where the Games will be held, realize a city that is internationally competitive, pleasant, and appealing, and disseminate these things both domestically and throughout the world. Doing these things will not only accelerate initiatives within Japan, but will also in the future promote initiatives for developing countries that face various tasks for balancing economic growth and environmental conservation and for developed countries, etc. that face tasks related to declining populations.

For these reasons, at the Tokyo Games and in the Tokyo metropolitan area, effective promotion of the following initiatives, etc. is necessary: (1) initiatives to reduce carbon, (2) initiatives to improve resource recycling systems, (3) measures against heat, and (4) initiatives to improve the environment, such as conserving water quality. In order to do this, we will make it possible to move forward in an integrated manner while keeping in mind the mutual relationships among each of these measures by ascertaining the overall potential and effects of implementing each policy, utilize existing projects, implement highly-effective policies as models, and actively promote initiatives taken by related parties, such as private-sector businesses.

Overview of the project as a whole

Promotion of low-carbon measures

Special account: JPY 280 million
General account: JPY 256 million

Projects for things such as assessment and verification of reducing carbon in the metropolitan area through an integrated approach aimed at the Tokyo 2020 Olympics

- ⑥ Project for things such as assessment and verification of low-carbon measures, etc. in the entire Tokyo metropolitan area
- ⑦ Project for investigation and verification for the purpose of creating a low-carbon urban environment that uses things such as surplus groundwater

Building society through an integrated approach of policies for low carbon, resource recycling, and living in harmony with nature

Creation of a base aimed at building a new society

Securing sustainable social spaces, such as those that are harmonious with nature

Promotion of resource recycling

- ① Project for assessing technologies to improve coastal area environments
- ② Project for diffusion and education related to heat strokes, aimed at the Tokyo Olympics

- ③ Project for things such as assessment and verification of environmental measures in the metropolitan area aimed at the Tokyo 2020 Olympics
- ④ Project for considering promotion of green purchasing at the Tokyo Olympics and Paralympics

- ⑤ Project for using the Tokyo Olympics as an opportunity for considering introduction of the segregation labels for ordinary waste

Act on Promoting Green Purchasing

Ministries and Agencies

Article 6

Government makes and publicizes **Basic Policy for the Promotion of Procurement of Eco-Friendly Goods and Services**

(Cabinet Decision)

- Environmental requirements on designated procurement goods, etc. (e.g. recycled paper, low emission vehicles)
- The way for setting procurement targets



Article 7,8

Each Organization makes and publicizes a **Green Procurement Policy (Target)**



Procure goods and services based on the Green Procurement Policy



Announce the result of green procurement and reports it to the Environment Minister at the end of every fiscal year

Local government and agencies

Article 10

Endeavor to make a green procurement policy every fiscal year and procure goods and services based on the policy



Not increasing the total procurement amount for the reason of implementing this law.



Private companies and citizens

Article 5

Select eco-friendly goods and services as many as possible