



Sustainability Pre-Games Report Sustainability Highlights

Showcasing a sustainable society

April 2020

Postponement of the Tokyo 2020 Games and the impacts on the sustainability pre-Games report

In response to the global coronavirus pandemic, the decision to postpone the Olympic and Paralympic Games Tokyo 2020 to 2021 was taken on 24 March 2020. On 30 March 2020, it was announced that the new dates for the Tokyo 2020 Games would be from 23 July to 8 August 2021 for the Olympic Games and from 24 August to 5 September 2021 for the Paralympic Games.

The Tokyo 2020 sustainability pre-Games report was initially scheduled to be released on 30 March 2020. This date was postponed in line with the decision to postpone the Tokyo 2020 Games.

However, considering the importance of the sustainability pre-Games report as a reference document for our stakeholders and all interested parties, the report was published on 30 April 2020. Minor changes were made, where necessary, to avoid any potential confusion to readers.

The majority of the information contained in the sustainability pre-Games report is unaffected by the postponement of the Tokyo 2020 Games. Please note however that it does contain statements that assume that the Tokyo 2020 Games will be conducted in the summer of 2020.

Also see the explanation on page 5.

Contents

Sustainability of the Tokyo 2020 Games in Numbers	3
Be Better, Together - Olympic and Paralympic Games Tokyo 2020	4
About the Sustainability Reports.....	5
Sustainability Trends in the Olympic and Paralympic Movement.....	6
Main Sustainability Themes	7
Main Themes and the SDGs	8
Multi-Stakeholder Dialogue, Sustainability Management System	9
Specific Initiatives.....	10
- Climate Change.....	10
- Resource Management	13
- Natural Environment and Biodiversity.....	16
- Human Rights, Labour and Fair Business Practices.....	19
- Involvement, Cooperation and Communications (Engagement)	22
- Sustainable Sourcing	25
- Venue Development.....	28
Handing Down the Legacy.....	31

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30 April 2020

We welcome feedback, comments and suggestions.

Please contact Sustainability Department, Administration Bureau, Tokyo 2020 at sustainability@tokyo2020.jp

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Sustainability of the Tokyo 2020 Games in Numbers



BE BETTER, TOGETHER OLYMPIC AND PARALYMPIC GAMES TOKYO 2020

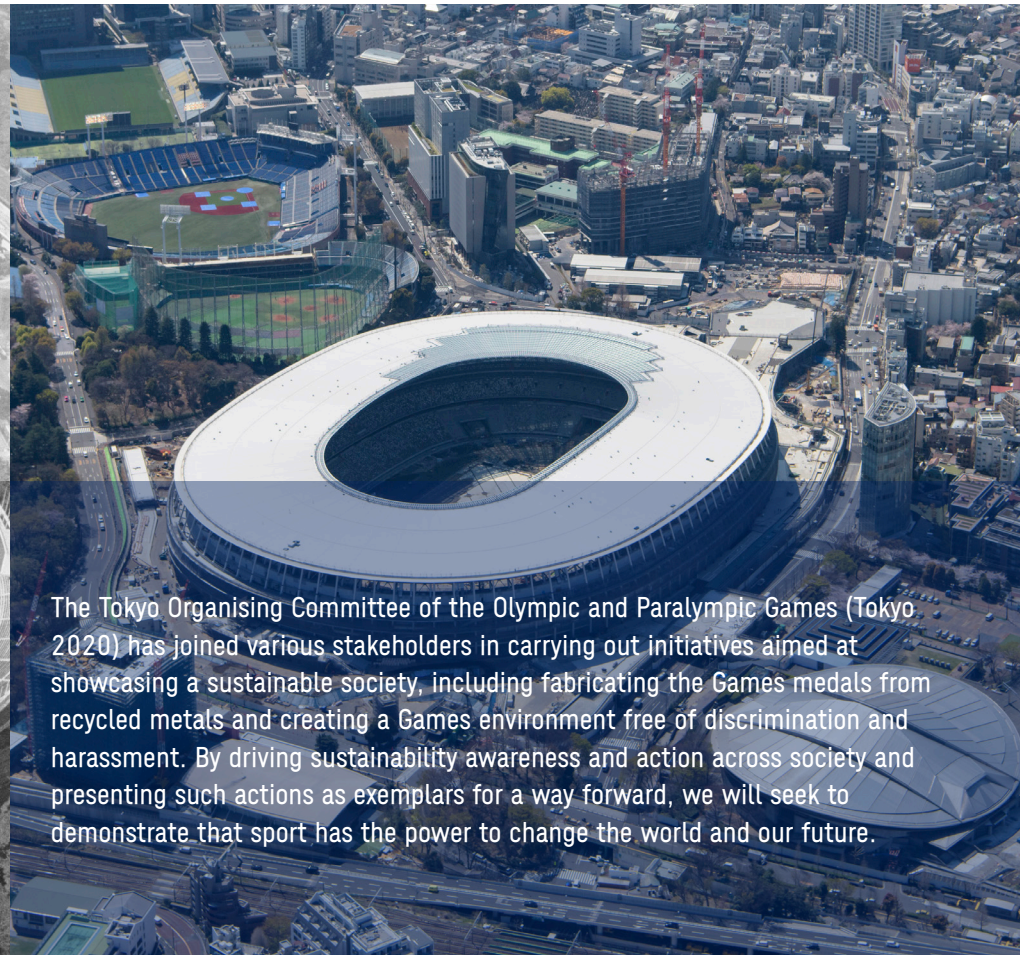
Following decades of environmental progress and economic maturity, Japan and Tokyo today face the same sustainability issues as other nations and cities worldwide: climate change, depletion of natural resources, biodiversity loss and social discrimination, to name a few.

Globally, humanity is seeking to transform the socioeconomic activities of the past in pursuit of common goals, the Sustainable Development Goals (SDGs).

Given this context, the Tokyo 2020 Games—after more than half a century since the Tokyo 1964 Games—are an opportunity for Japan to show leadership in solving these issues and creating a sustainable society through sport.



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The Tokyo Organising Committee of the Olympic and Paralympic Games (Tokyo 2020) has joined various stakeholders in carrying out initiatives aimed at showcasing a sustainable society, including fabricating the Games medals from recycled metals and creating a Games environment free of discrimination and harassment. By driving sustainability awareness and action across society and presenting such actions as exemplars for a way forward, we will seek to demonstrate that sport has the power to change the world and our future.

About the Sustainability Reports

Sustainability reporting for the Tokyo 2020 Games

Sustainability initiatives for the Tokyo 2020 Games are implemented according to the Sustainability Plan and compiled in sustainability reports.

These reports cover the activities of the Tokyo 2020 Organising Committee as the lead organiser of Games preparations and delivery, as well as important activities by Games stakeholders.

These reports are prepared in accordance with the GRI Standards: Core option. The Global Reporting Initiative (GRI) Standards are international standards on sustainability reporting.

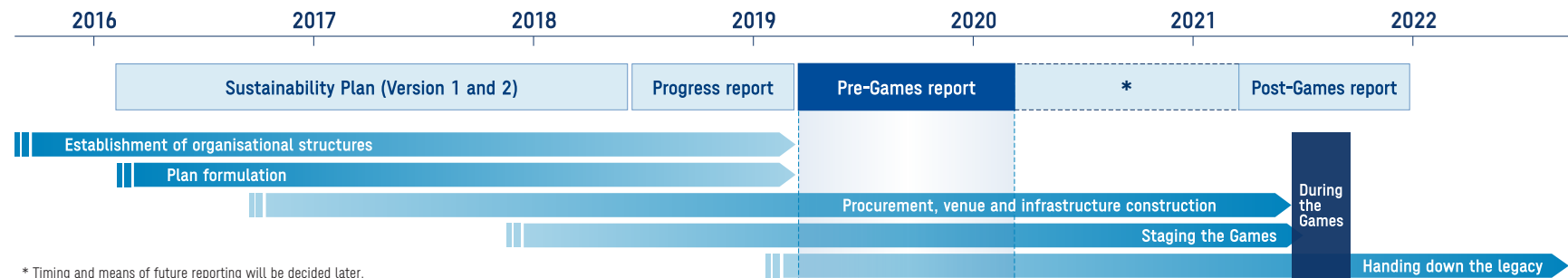
Sustainability Pre-Games Report: Main report and summary report

The Pre-Games Report is the second sustainability report and follows the Sustainability Progress Report published in March 2019. It paints a detailed picture of how the Tokyo 2020 Games will be held with sustainability in mind.

This summary report provides a comprehensive overview of the main Sustainability Pre-Games Report. Please read the main report for more detailed information on sustainability initiatives for the Games.

<https://tokyo2020.org/en/games/sustainability/report>

Tokyo 2020 Games sustainability reporting framework



* Timing and means of future reporting will be decided later.

Postponement of the Tokyo 2020 Games and the impacts on the sustainability pre-Games report

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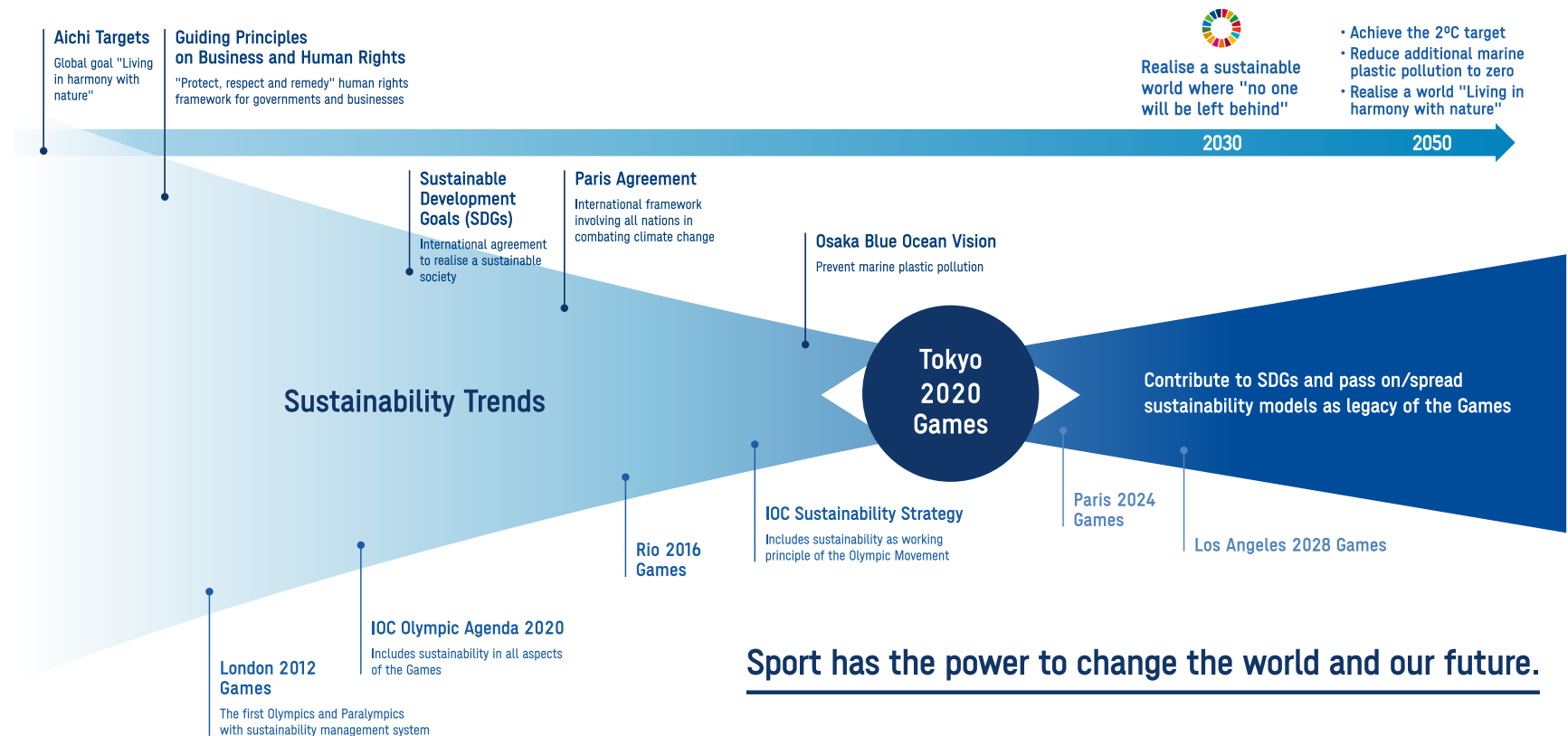
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Sustainability Trends in the Olympic and Paralympic Movement

Sport is an important enabler of sustainable development. Alongside progress in global sustainable development, the concept of sustainability has also been incorporated and expanded as an articulated component of the Olympic and Paralympic Movement.

Aware of the role of the Tokyo 2020 Games, we have pledged to demonstrate that “sport has the power to change the world and our future” by helping to address universal challenges of humanity through holistic action on sustainability, and by passing on the vision and initiatives of the Games as a legacy for others worldwide to continue and build upon.



Main Sustainability Themes

We have identified five main themes for prioritising sustainability in the Games. These themes were selected in light of global trends, such as the SDGs, with the goal of making the Games a positive force for solving important social issues. Sustainability in procurement and in the supply chains of procured goods and services are crucial areas of action in addition to direct Games activities, because of the many goods and services that are needed to hold the Games.

Like the SDGs, these themes are interconnected, so the implementation of these themes follows a holistic approach that takes environmental, social, and economic factors into account.



Climate Change
Towards Zero Carbon



Resource Management
Zero Wasting



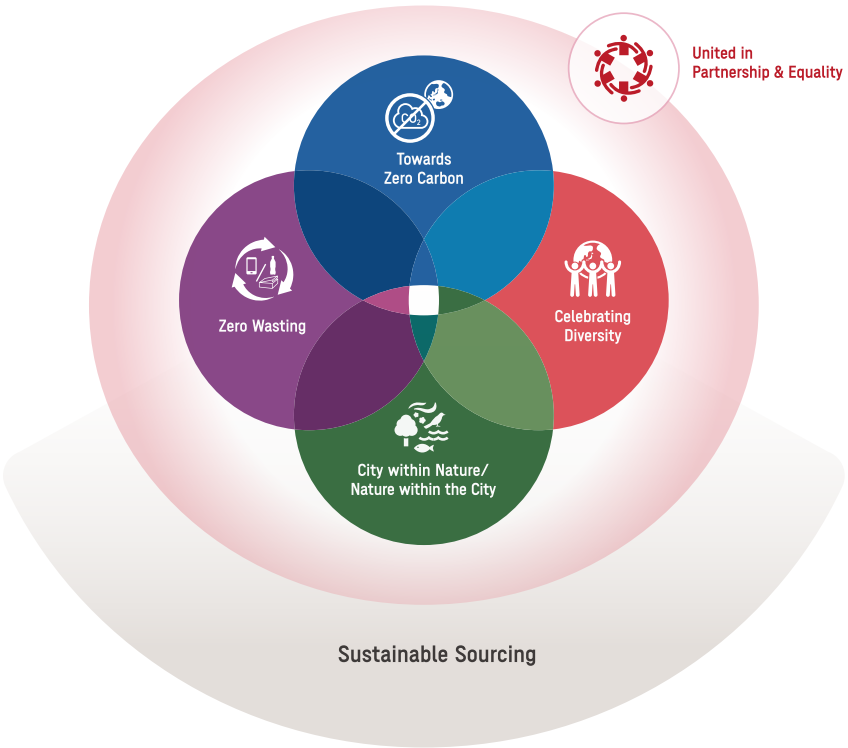
Natural Environment and Biodiversity
City within Nature/Nature within the City



Human Rights, Labour and Fair Business Practices
Celebrating Diversity



Involvement, Cooperation and Communications (Engagement)
United in Partnership & Equality

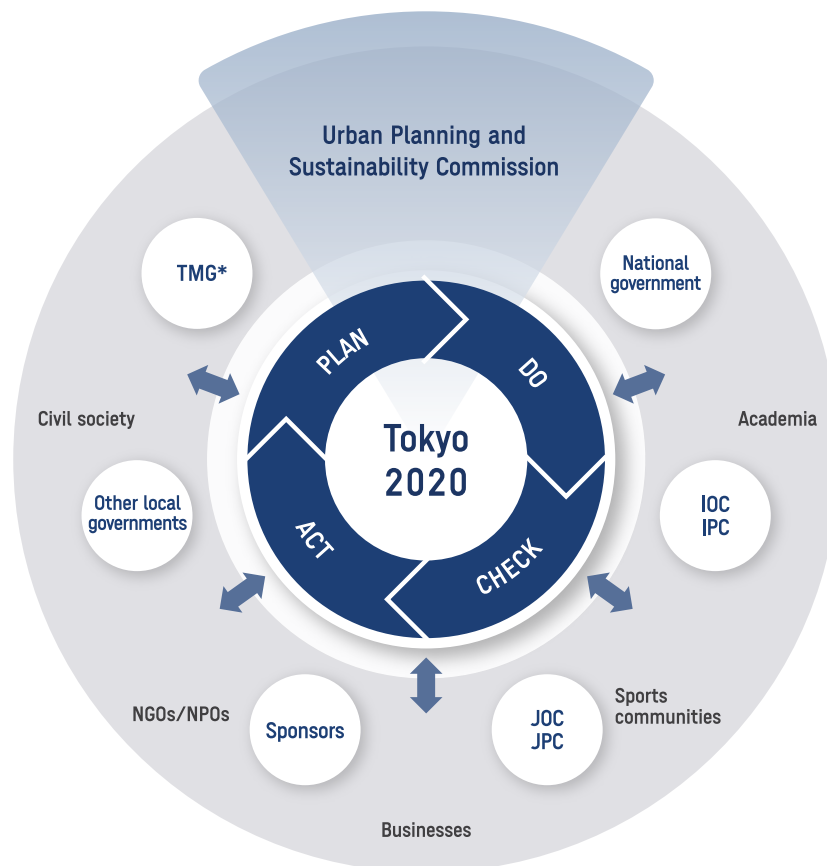


Main Themes and the SDGs

The main sustainability themes and initiatives of the Tokyo 2020 Games are closely tied to the SDGs and targets of “Transforming our world: the 2030 Agenda for Sustainable Development” adopted by the UN General Assembly in September 2015.



Multi-Stakeholder Dialogue, Sustainability Management System



*TMG: The Tokyo Metropolitan Government

Multi-Stakeholder Dialogue

From an early stage in the Games' preparation, we have engaged in dialogue with a great number of people and entities (stakeholders). We selected the main sustainability themes for the Games and also set detailed targets and issues in each theme through these dialogues.

Sustainability Management System

Making continuous improvements by following the PDCA cycle—Plan, Do, Check, Act—is important for ensuring that initiatives aligned with the main sustainability themes are effective.

For this purpose, we introduced a management system in conformity to ISO 20121, an international standard that supports sustainable events. The adequacy of this management system has been certified by a third-party.

We plan to continue operating this management system properly, not only to realise a sustainable Games but also to help make sustainability management mainstream practice for various events going forward.



Climate Change

Towards Zero Carbon

In 2020, the international framework based on the Paris Agreement comes into force, with the aim of reaching net zero carbon and other greenhouse gas emissions in the second half of this century. It sets a common goal to keep global average temperature rise to well below 2°C above pre-industrial levels and to pursue efforts to limit the temperature increase to below 1.5°C.

In this context, **Tokyo 2020 and its delivery partners are committed to building the groundwork for decarbonised society with collective participation, focusing on maximising the transition into energy efficiency and renewable energy use.**

We are undertaking decarbonisation efforts by every available measures and sharing it with people from all over the world. Through carbon management under Towards Zero Carbon, our goal to create a decarbonised society, we hope that the Games will serve as a key opportunity to move forward towards the goals of the Paris Agreement.

Progress and issues

For carbon management of the Tokyo 2020 Games, the amount of greenhouse gas emissions related to the Games is determined in terms of our carbon footprint. We calculated our carbon footprint for the case with no measures taken and the case with the actual avoidance and reduction measures taken.

For venue development, we have maximised the use of existing venues as an emissions avoidance measure. When constructing new permanent venues, we have used energy-saving technologies as a reduction measure. For overlay construction such as temporary spectator seats and tents, we are using rentals or leases. The Games will be powered by electricity from renewable energy sources. For passenger cars for transporting Games stakeholders, we will use clean, fuel-efficient vehicles such as fuel cell electric vehicles (FCEVs) and plug-in hybrid electric vehicles (PHEVs). Also we will use many types of battery electric vehicles (BEVs). With all these measures in place, we will reduce our carbon footprint by about 280,000 t-CO₂. Although carbon emissions may increase due to weather and other factors, we will continue to advance these measures in the future.

For emissions that cannot be eliminated even with these measures, we will use carbon offsetting to compensate for these emissions. We are also taking the opportunity of the Games to collect and release data on carbon emission reduction activities conducted by citizens, as well as their corresponding amounts. In future, we will focus on expanding these activities nationwide.

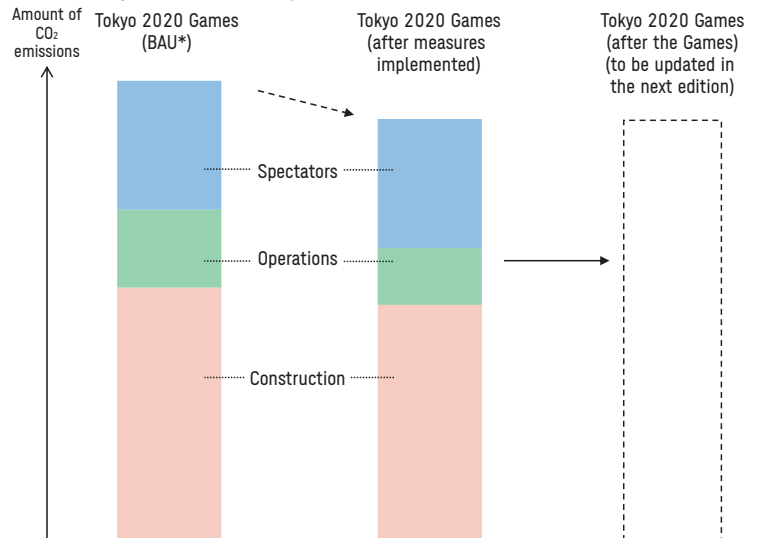


Climate Change Highlights

About 280,000 t-CO₂ reduction Carbon footprint of the Tokyo 2020 Games

The Games carbon footprint (the amount of CO₂ and other emissions) was expected to be about 3,010,000 t-CO₂ without any measures. However, this was reduced by about 280,000 t-CO₂ as a result of implementing avoidance and reduction measures such as the use of rentals or leases, use of existing venues, renewable energy use, and adoption of energy-saving facilities.

Carbon footprint of the Tokyo 2020 Games



*business as usual

Construction Operations Spectators

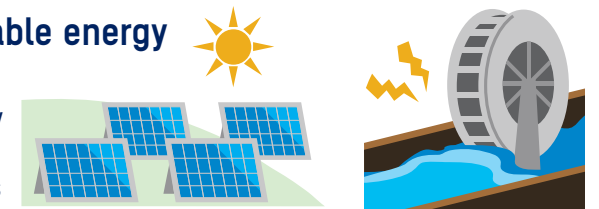
100 per cent renewable energy use through various initiatives

Our target is to achieve 100% renewable energy use for electricity used to run the Games, via procurement from renewable energy sources and use of tradable green certification system, etc.

For renewable energy sources, we also aim to use power generated in Tohoku and other regions, based on the concept of the “Reconstruction Games”.

100% renewable energy

100 per cent renewable energy use through various initiatives



Hydrogen energy use, to create a hydrogen-based economy

Aside from adopting FCEVs for the Games, hydrogen will be used as a fuel for both the Olympic and Paralympic Cauldrons and the Torches during part of its journey through Japan. TMG is using hydrogen energy as energy source in some facilities in the Olympic/Paralympic Village. Through the Games, we are committed to helping create a hydrogen-based economy.



Climate Change Highlights

Pursuit of low-impact transportation

Aside from minimising the number of passenger cars used in the Games, we are actively introducing FCEVs and PHEVs. This is projected to result in an average CO₂ emission intensity of less than 80 g-CO₂/km*¹ for 2,700 passenger cars used for the Games.

For route buses in the Olympic/Paralympic Village as well as aid and rescue vehicles around the venues, we are adopting BEVs that do not emit CO₂ and other gases when running.

*1 Figure based on estimates by partner companies providing the vehicles

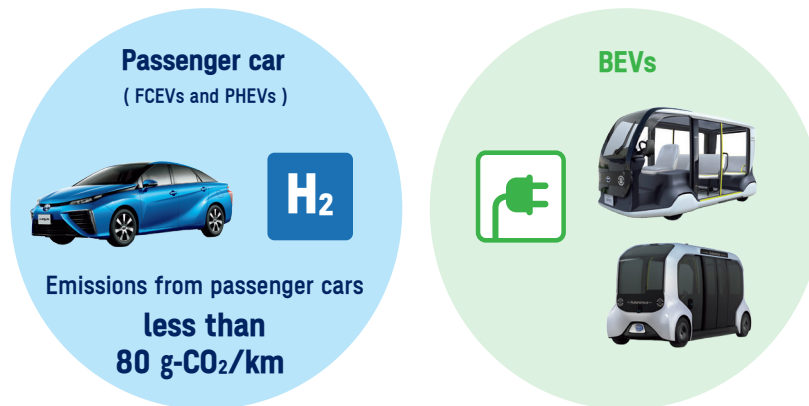


Photo by Toyota Motor Corporation

Carbon offsetting for unavoidable carbon emissions

We will offset CO₂ generated even after taking avoidance and reduction measures. TMG and Saitama Prefecture are accepting applications for credits. So far, many businesses and organisations have been donating credits. A portion of the credits collected will be allocated to the Tokyo 2020 Games.

A legacy of activities of CO₂ reduction by citizens

We are promoting activities of CO₂ reduction by citizens at the Tokyo 2020 Games. We are spreading the word on initiatives by local governments and citizen groups, along with data on their carbon reduction. Through this work, we will advocate carbon reduction to the wider public and encourage their active and long-term participation in such initiatives.



Resource Management

Zero Wasting

Through collective efforts throughout the entire supply chain, we are committed to managing our resources effectively to eliminate environmental impact by fully utilising resources and avoiding land devastation and deforestation caused by resource exploitation.

At the Tokyo 2020 Games, we are engaged in recycling activities for spectators, Games staff and other related personnel at the venues, as well as in initiatives that allow local residents to participate in the course of their daily lives. Through these activities, we are helping pave the way toward the creation of a society where resources are fully utilised.

Goal 12 of the SDGs was set to ensure sustainable consumption and production patterns. The various efforts we have been undertaking to maximise resources for the large amounts of materials and goods procurement at the Tokyo 2020 Games provide a great opportunity to achieve Goal 12.

Progress and issues

For items to be used at the Games, we are pursuing sustainable procurement practices by establishing rules for their management and disposal, and carrying out a procurement and disposal procedure that will enable their reuse and recycling after the Games.

The impact on marine ecosystems of single-use plastic containers, packaging and products that turn into ocean waste is a serious concern. For wastes generated during operations and delivery of the Games, we encourage spectators and personnel to cut down on the use of single-use plastic products and recycle waste items.

We are also working on projects that encourage reuse and recycling.

For the production of items to be used at the Games such as torches and uniforms for the Torch Relay, and Olympic/Paralympic medals and podiums, we used recycled materials collected through the cooperation of numerous people nationwide. Through these initiatives, we aim to foster recycling and other practices among the people and help create a sustainable society.

Moving forward, we will continue to further expand our reuse and recycling efforts until the Games. We will also advance our actions such as reducing food waste, containers and packaging.



Resource Management Highlights

Use of recycled materials for symbolic goods of the Games

We actively carried out initiatives that use recycled materials. This is our legacy of the Tokyo 2020 Games toward a sustainable circular economy.

- Torches for the Torch Relay:
Recycled aluminum from construction waste used in prefabricated housing units in the aftermath of the 2011 Tohoku earthquake and tsunami
- Olympic torchbearer uniforms:
Recycled material from plastic bottles
- Olympic medals:
Recycled metal from small consumer electronics collected from all over Japan
- Podiums:
Recycled raw materials from used household plastic containers collected with the cooperation of the public



Reduction of single-use plastics, a global issue

Actions to cut single-use plastic containers and packaging that may cause marine pollution are increasing worldwide. At the Tokyo 2020 Games, we are also working on the 3Rs (Reduce, Reuse, Recycle).

We are undertaking initiatives to increase the use of recyclable paper containers for serving meals to spectators, as well as the adoption of reusable or recyclable tableware made of paper or other materials for food and beverages served at the Olympic/Paralympic Village.

Pursue reuse and recycling of procured items

99% target rate of reuse (including rentals and leases) or recycling of procured items

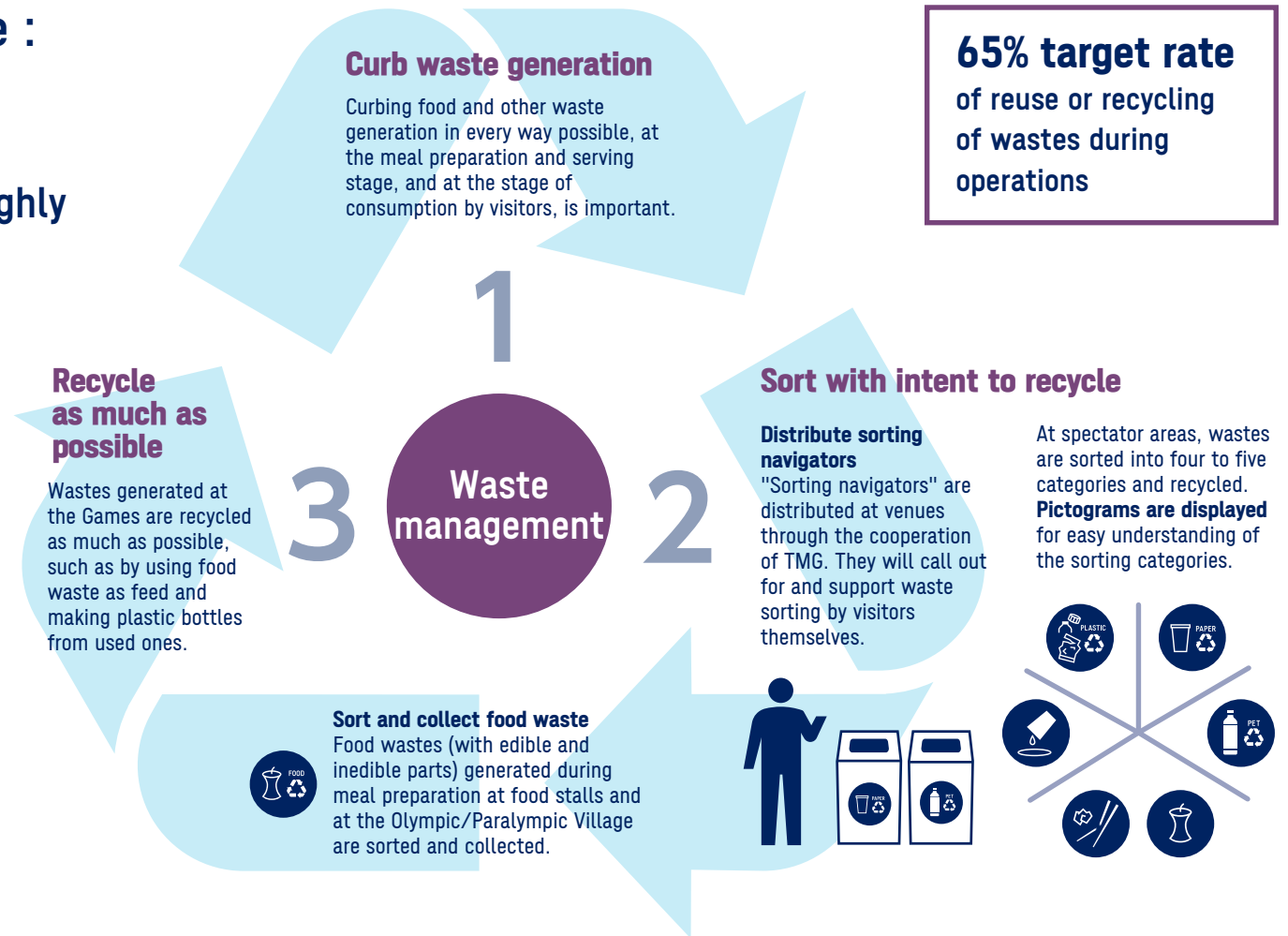
Items for use at the Games are first procured through rentals or leases to the maximum extent possible. Then, we use a system we developed to consistently manage everything from procurement to disposal of each of these items. To pursue their reuse and recycling, we established the Reuse and Recycling Guidelines to secure recipients for resale and reuse beforehand with the cooperation of related entities.



Resource Management Highlights

Recycling waste : reduce first, then sort properly, and recycle thoroughly

We are committed to curbing waste generation and to properly sorting waste before transporting to recycling facilities, in order to achieve our 65% recycling target.





Natural Environment and Biodiversity

City within Nature/ Nature within the City

Looking ahead to the legacy, we aim to deliver a Games that will make a significant contribution to continuously developing Tokyo into a mature city.

We are working in collaboration with TMG and other stakeholders to restore and conserve biodiversity through the Games and contribute to the creation of a new urban system that will improve comfort and resilience and restore and foster rich ecological networks.

These initiatives include a range of elements described in the SDGs as crucial to sustainable cities: access to water and sanitation, safe and resilient infrastructure and housing, and ecosystem conservation and restoration.

Progress and issues

To make the environment in the city more pleasant, we are working on specific initiatives to help address heat during the Games, and expanding them based on the results of test events.

We are carrying out trials aimed at limiting declines in water quality at Odaiba Marine Park, a competition venue, after rainfall and are considering measures for the Games based on the results.

We are also working to enhance the city's water circulation functions.

TMG, the Japan Sport Council (JSC) and Tokyo 2020 are working to make Games venues greener through tree planting and other landscaping, green walls, sustainable drainage systems. In addition, considering conservation of habitats such as wild birds and aquatic life in the venues located on the waterfront, TMG is working with diverse stakeholders to boost the environmental capacity of the marine parks that surround many competition venues as a basis for protecting biodiversity in coastal areas.

Tokyo 2020 requires suppliers and licensees to make efforts to prevent environmental pollution, protect biodiversity, and in other ways promote sustainability by implementing the Tokyo 2020 Olympic and Paralympic Games Sustainable Sourcing Code. The national government and TMG have been promoting related initiatives, such as implementation and certification to Good Agricultural Practices (GAP).

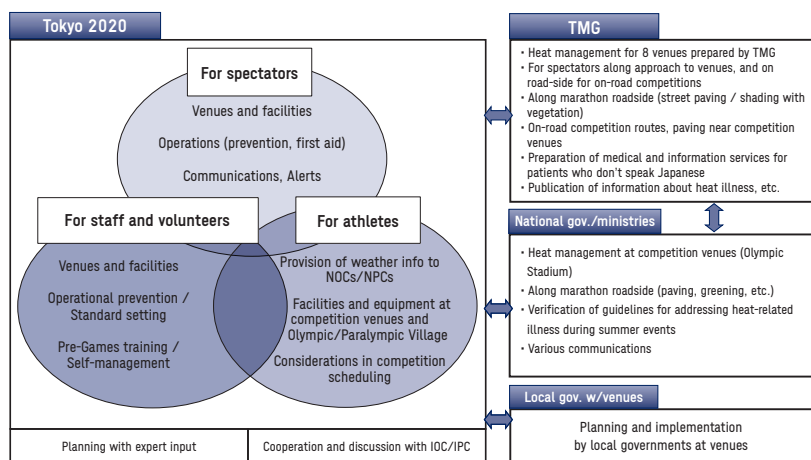


Natural Environment and Biodiversity Highlights

Heat-related measures

In partnership with the national government and TMG, we are advancing heat management measures for spectators, Games staff, athletes and media. At test events held in summer 2019, we trialled measures, verified results, and identified issues. We are continuing to prepare more effective measures for the Games period.

Tokyo 2020 Games heat management and organisations



Water circulation during the Games

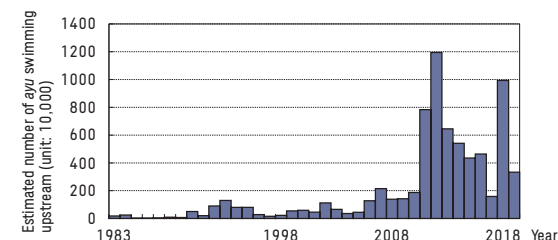
A water quality and temperature study conducted at Odaiba Marine Park, the venue for marathon swimming and the triathlon, in summer 2019 detected days when measurements taken in an area partitioned by

underwater single-ply screens exceeded quality criteria due to the effects of rain.

For the Games, we plan to install triple-layer screens, which are more effective.

Improving water environment functions in the city

In order to improve water environment, TMG is installing wastewater treatment facilities that will reduce pollution loads during rainstorms as well as advanced wastewater treatment facilities that will improve the quality of treated water.



Water quality in the Tama River had once deteriorated, but populations of upstream-migrating ayu (sweetfish) have grown due to improved water quality by installing a sewerage system.

We will continue working with various stakeholders to improve water environment functions in the city.



Natural Environment and Biodiversity Highlights

City and venue greening

In addition to conserving existing trees whenever possible, we are also transplanting existing trees and planting new, native trees as a consideration for biological diversity. We are also systematically pruning roadside trees to encourage growth and provide better shade along venue access routes.

Event venue	Number of saved trees	Number of transplanted trees	Number of newly planted trees
Olympic Stadium* ¹	10	Approx. 130	Approx. 47,000
Permanent venues developed by TMG* ²	Approx. 37,530	Approx. 120	Approx. 24,860

*1. For new construction only

*2. The total number of trees in Tokyo Aquatics Centre / Sea Forest Waterway / Ariake Arena / Kasai Canoe Slalom Centre / Yumenoshima Park Archery Field at planning and the number of trees in Musashino Forest Sport Plaza at completion.

Creating a landscape of flowers and greenery



©Katsushika City

TMG is partnering with private organisations and local municipalities to colour the streets with flowers ahead of the Games.



©TMG



©TMG

Nature restoration and biodiversity protection

Kasai Marine Park, adjacent to the Kasai Canoe Slalom Centre, was designated as a wetland under the Ramsar Convention in October 2018. TMG will further promote natural conservation and sustained utilisation of this coastal wetland in accordance with the Convention's "wise use" concept.

Resource consumption to conserve biodiversity

We are calling on our entire supply chains to pursue sustainability by preventing environmental pollution and conserving biodiversity, for example. For procurement of agricultural and marine products, the national government and TMG are promoting expanded GAP implementation and certification by businesses.



Human Rights, Labour and Fair Business Practices

Celebrating Diversity

To respect the human rights of all people involved in the Tokyo 2020 Games, we foster diversity and inclusion (D&I) in every aspect of Games preparation and operation.

We strive to ensure fair business practices free of corruption and anti-competition.

Human rights issues are an international concern even today. As one of the largest sports events and one that gathers people from all across the globe, the Olympic and Paralympic Games must be an open and inclusive event, free from all forms of discrimination.

Tokyo 2020 has been preparing for and will operate the Games with respect for human rights in accordance with the principles of the Olympic Charter and—for the first time in the Games' history—in accordance with the UN Guiding Principles on Business and Human Rights.

In partnership with various stakeholders, we are committed to promoting respect for human rights and creating a post-Games legacy of an inclusive society in which diversity is valued and everyone can reach their full potential.

Progress and issues

Tokyo 2020, the lead organiser of the Games, embodies diversity through our own employees. When recruiting and training Games staff (Field Cast), our objective has been to bring people of all ages, nationalities, and abilities together as one team to promote D&I during the Games period.

We have planned to incorporate D&I into every aspect of the Games, whether it's in medicine, food, security, or athlete support. We have also been working to ensure accessibility through mobility, information and venue facilities.

Currently, we are developing organisational structures and formulating guidelines and other tools related to detection and initial response to human rights issues during the Games, especially at competition venues. Going forward, we will work out the details of these structures and implement practical training and drills so teams can respond appropriately to real situations.

As an organisation with a high public profile, we will continue to ensure fair business practices free of corruption and anti-competition.



Human Rights, Labour and Fair Business Practices Highlights

Diversity of Tokyo 2020 staff

Tokyo 2020 is a diverse organisation made up of directly employed staff; secondees from the national government, TMG, and other local governments; secondees from sponsors and other private companies and organisations; and people from other backgrounds.



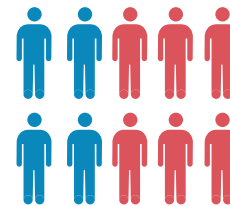
Diversity of Games staff

During the Games, the Field Cast, a highly diverse group of people composed of Tokyo 2020 employees, contractors, and Games volunteers, will serve an important role in ensuring that the Games reflect D&I principles.

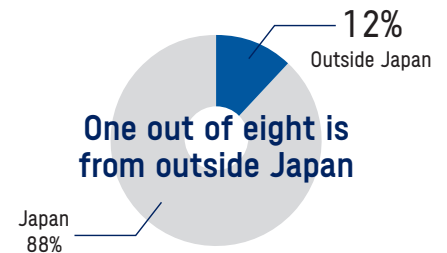
In order to recruit approximately 80,000 Games volunteers, we invited applications at university and municipal events across Japan, and at organisations for people with impairments, for example. As a result, we received more than 200,000 applications worldwide. We held orientations

and interviews in 11 prefectures across Japan and also held video calls for residents outside Japan to make their participation easier. At orientation venues, we supported applicants by using multiple languages, including sign language, and communication tools, and by providing day-care service for applicants' children. Group training sessions are now underway ahead of the Games for the volunteers selected.

80,000 Games volunteers!

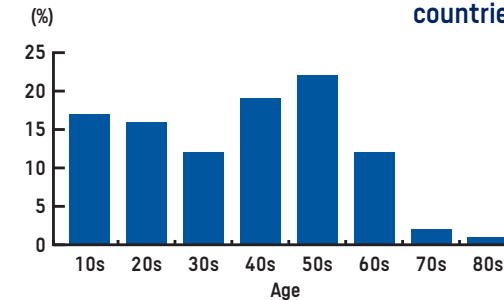


Male 40% Female 60%



One out of eight is from outside Japan

Volunteers from 120 countries and regions



Wide range of age groups from 10s to 80s



Human Rights, Labour and Fair Business Practices Highlights

Realising D&I in Games operations

In all aspects of the Games, including medicine, food, security, and athlete support, our operations and services will reflect D&I principles.

Games plans that incorporate D&I

- Food diversity (e.g., Halal and vegetarian menus)
- Multi-faith spaces, multifunctional restroom, assistance dog toilets (for spectators, athletes, Games staff)
- Women athletes' department (Olympic/ Paralympic Village polyclinic)
*First in Games' history
- Spectator security checkpoints (wheelchair users, same-sex accommodations, etc.)
- Uniform designs (Games staff and related personnel)

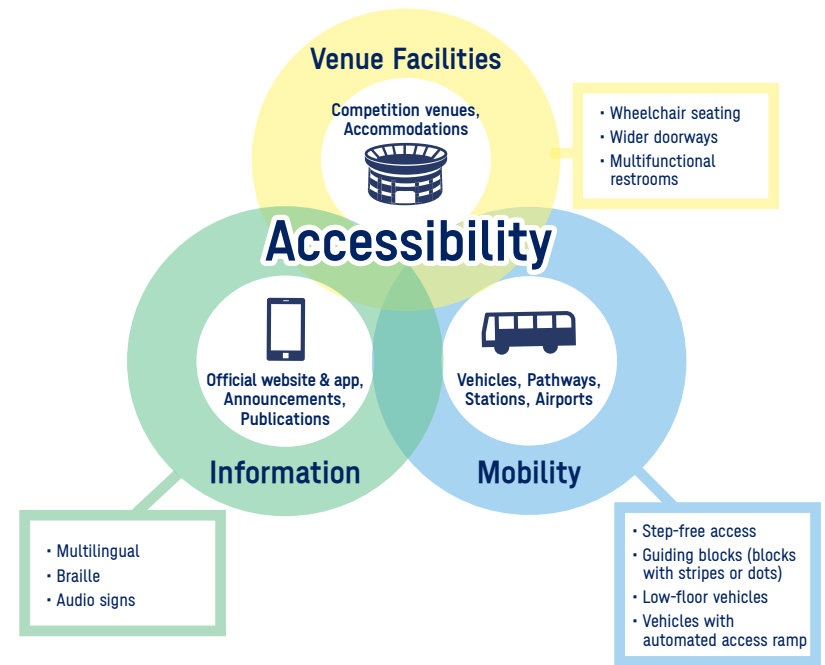


Human rights management

To ensure a firm response to discriminatory behaviour and harassment during the Games, particularly at competition venues, we have been developing organisational structures and formulating guidelines related to detection and initial response as well as implementing hands-on training. We will also encourage spectators to help us in creating an atmosphere that celebrates D&I.

Ensuring accessibility

We have been working with the national government, TMG, relevant local governments, public transport companies, airports, accommodation facilities, and other entities to ensure accessibility through mobility, information, and venue facilities based on the Tokyo 2020 Accessibility Guidelines.





Involvement, Cooperation and Communications (Engagement)

United in Partnership & Equality

We deliver an open Games in which anyone can meaningfully participate. With the involvement of stakeholders across national, generational, and other boundaries, we will help build a diverse, inclusive, and more engaged society.

The involvement of various actors—not just Games affiliates—is crucial for realising a sustainable Games. Additionally, communication helps people to understand and take sustainable actions for the Games.

As stated in the Sustainable Development Goals (SDGs), partnership is essential for responding holistically to social issues, which are interconnected.

We are engaging stakeholders in a partnership toward creating an open and inclusive Games. And by broadly publicising these efforts, we hope to encourage widespread voluntary actions for creating a sustainable society.

Progress and issues

Through nationwide collaborative projects, such as those for fabricating the Games medals and podiums, we have created opportunities for the public to deepen their connection to the Games as well as their understanding of sustainability.

We are making progress on specific measures, such as the use of recycled plastic and reuse of Games-related goods, in partnership with Games sponsors, local governments, and other stakeholders. We have also partnered with the UN and other international organisations to advance awareness on the SDGs.

In the area of human development, we are training staff and volunteers, raising public awareness, and educating youth and creating opportunities for their participation in partnership with schools and universities. As the Games draw near, we need to educate staff further to ensure sustainable actions at each venue.

We have publicised the sustainability initiatives of the Games through these projects to raise awareness and facilitate behavioral changes. During and after the Games, we also need to issue broad communications that are effective in conveying the sustainability achievements of the Games.



Involvement, Cooperation and Communications (Engagement) Highlights

Tokyo 2020 Medal Project

This project is promoting the shift to a circular economy by manufacturing the Olympic and Paralympic medals using metals extracted from consumer electronics collected across Japan, a process called urban mining. Thanks to public participation, we obtained enough metal to produce all 5,000 medals. The Ministry of the Environment and local governments are working to popularise the recycling of consumer electronics as a legacy of the Games.



Recycled Plastic Podium Project

With marine plastic pollution posing a global challenge, this project will fabricate the medal podiums from post-consumer plastic collected in Japan, offering a new model for using single-use plastic.



Tokyo 2020 Recovery Monuments

This project will facilitate communication between athletes and communities devastated by the 2011 Tohoku earthquake and tsunami. Monuments bearing messages of appreciation and encouragement from



Tohoku communities will be installed at Games-related facilities. After the Games, monuments bearing athletes' signatures will be installed in affected communities. High school students in Tohoku helped in deciding the designs. The monuments will be made from recycled aluminium previously used in temporary housing in the three affected prefectures.



Partnering with the United Nations

To promote the role of sport in the SDGs, we signed a Letter of Intent with the UN in

November 2018. In April 2019, we delivered a message on the sustainability of the Games on the International Day of Sport for Development and Peace (IDSDP).

Top left: Tokyo 2020 Medal Project, Bottom left: Joint press conference for the Recycled Plastic Podium Project, Top right: Design illustrations for the Recovery Monuments, Bottom right: Special UN event for IDSDP



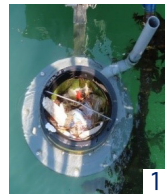
Involvement, Cooperation and Communications (Engagement) Highlights

Partnerships with other entities

Initiatives with Games partners, local governments, and other stakeholders include:

- Upcycling Look of the Games decorations by reprocessing them for reuse
- “Sorting navigators” to help spectators sort their waste at Games venues (TMG)
- Installing Seabins to collect marine waste at Enoshima Yacht Harbour (Kanagawa Prefecture)

(Photo 1: Collecting marine waste using Seabins)



“Sports and environmental issues are closely connected. Right now I want to prioritise the future.”

(Photo 5: Comment by athlete **HATA Yukako** (Para Triathlon) at a joint press conference for the Recycled Plastic Podium Project)

Promoting understanding and action

- 8 We are publicising our sustainability initiatives to drive sustainability awareness and action.

(Photo 6: Tokyo 2020 Trash Picking Competition, Photo 7: Promoting Games sustainability at the G20 Osaka Summit in June 2019)

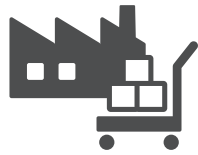
Youth education and participation

We are educating the next generation on sustainability and creating opportunities for their involvement through the Olympic and Paralympic Games.

(Photo 2: Open lesson on the Tokyo 2020 Medal Project (Tokyo 2020 Education Programme) ©Japan Ministry of the Environment, Photo 3: University students participating in the Recycled Plastic Podium Project, Photo 4: Para sports experience at public schools in Tokyo)

Communicating during the Games

We are communicating with spectators about sustainability through the Games website and other media, urging them to take actions, such as sorting waste at venues. We will also stage a cultural programme dedicated to “Towards the realisation of inclusive society” at the Tokyo 2020 Nippon Festival. (Photo 8)



Sustainable Sourcing

Creating a society with sustainable consumption and production

We are committed to enhancing the sustainability of our supply chain through the operation of our Sustainable Sourcing Code.

Sourcing is a critical activity that affects the entire supply chain. We promote sustainability in the supply process of goods and services to be procured, and licensed products, through the operation of our Sustainable Sourcing Code. Participating in sourcing for the Tokyo 2020 Games is expected to lead to better environmental and social initiatives from businesses. To further encourage such actions, it is essential that consumers also choose more sustainable products and services.

While sustainable sourcing is still a novelty in Japan, we will continue engaging more companies, educating about sustainability, and encouraging concrete actions to create a society with sustainable consumption and production, a key goal of the SDGs.

Progress and issues

We have been working on the review of sustainability initiatives by suppliers and licensees using checklists and interviews.

To date, we have received 11 reports from our grievance mechanism, which has been established to respond to non-compliance with the Sourcing Code. We will continue working to make it more publicly visible in order to gain wider recognition.

We use sustainably-sourced timber and paper, such as certified forest products, for construction and printing related to the Games.

We also consider sustainability in the sourcing of food ingredients, and have been developing the menus at the Olympic/Paralympic Village with the premise that ingredients should meet the Sourcing Codes for agricultural, livestock and fishery products, such as Good Agricultural Practices (GAP) and fishery eco-label certified products. The Sourcing Code for palm oil, which is a raw material for various processed foods and detergents, has also been established.

We are collaborating with the ILO to promote decent work, such as by organising Sustainability Forums, and creating information materials to encourage socially responsible labour practices in companies.



Sustainable Sourcing Highlights

Development of Sustainable Sourcing Code

Before goods and services are provided, there are many stages in the supply chain, from the collection of raw materials to processing and distribution.

We developed the Sustainable Sourcing Code, which requires sustainability initiatives such as consideration for the global environment, respect for human rights and a safe work environment in the supply chain of goods and services to be procured for the Games.

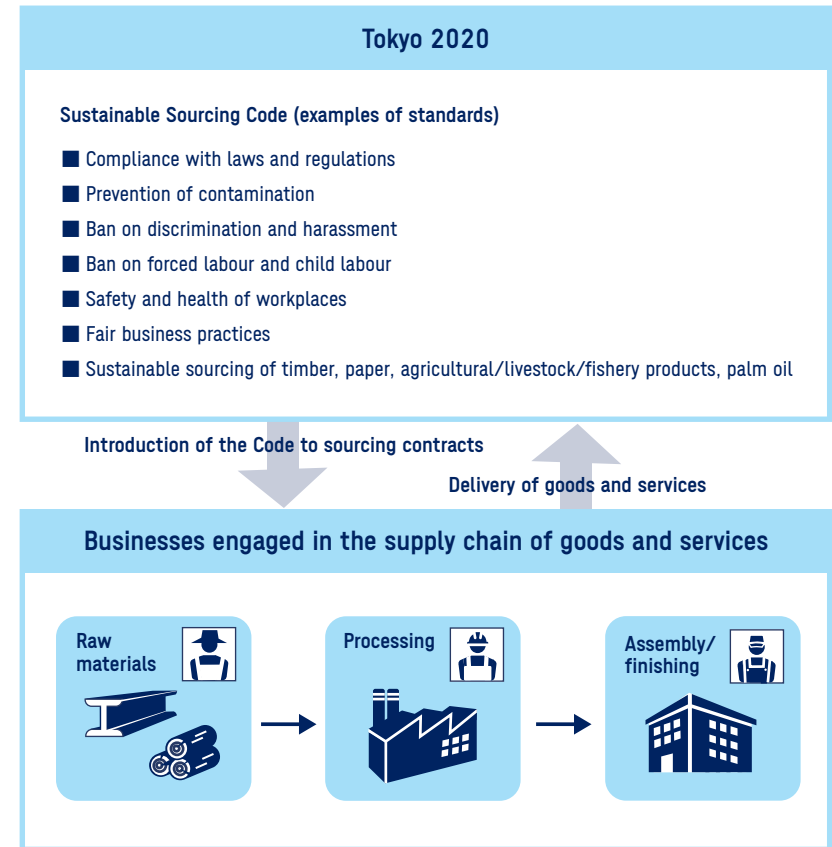
Review of status of initiatives by suppliers and licensees

We have been working on the review of sustainability initiatives by suppliers and licensees using checklists and interviews. We will also continue making the Sourcing Code publicly known.

Grievance mechanism

We have established the grievance mechanism to receive reports on non-compliance with the Sourcing Code.

We use a variety of opportunities and networks to gain wider recognition and raise public awareness of the mechanism.



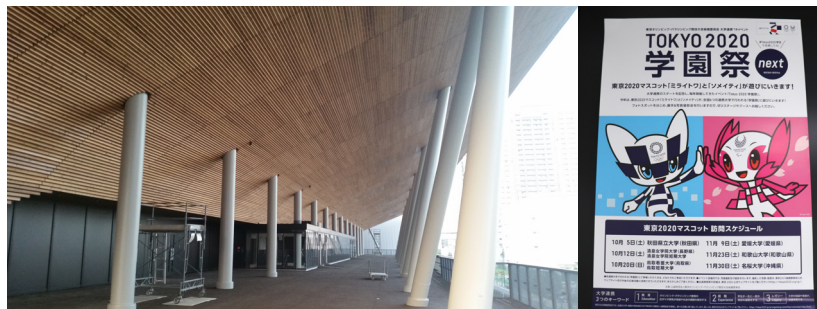


Sustainable Sourcing Highlights

Sustainable sourcing of timber and paper

We procure timber from legal and environmentally and socially responsible sources, including from forest certification schemes, namely the FSC®, PEFC and SGEC.

We also use sustainable paper, such as forest certified paper, for printed materials including posters and paper used on the outer box of licensed products, as well as paper products for office use like copy paper and envelopes.



Sustainable sourcing of agricultural, livestock and fishery products

Food and beverages to be served at the Games will use sustainable agricultural, livestock and fishery products such as GAP and fishery eco-label certified products.

We have been developing the menus at the Olympic/Paralympic Village with the premise that such ingredients will be used.



© 2012 / International Olympic Committee

Sustainable sourcing of palm oil

Palm oil is a vegetable oil widely used as a raw material for processed foods and detergents. However, concerns regarding exploitation of forests and plantation workers have been pointed out in the production stages of palm oil. Based on awareness of these concerns, we have established the Code for sustainable sourcing of palm oil.





Venue Development

Achieving sustainability in venue development and publicising forward-looking initiatives

At every stage of venue construction, we have given the highest priority to sustainability. At the same time, we have presented urban models that utilise the latest technologies and have continued to globally publicise forward-looking initiatives, including resource recycling with advanced technology and the creation of rich green spaces that consider biodiversity.

Among all the activities associated with delivering the Games, the preparation of competition venues has been anticipated to have a particularly large impact on sustainability.

Thus, we have given the highest priority to sustainability at all stages, from the venue construction design and planning stage, as well as during construction, operation of the Games, and dismantling and removal after the Games.

We will also continue to globally publicise forward-looking model cases which have been undertaken as part of the legacy after the Games, including presenting urban models for an energy-saving and hydrogen-based society that utilise the latest technologies, resource recycling with advanced technology—from procurement of materials to post-Games reuse and recycling—and the creation of rich green spaces that consider biodiversity.

Progress and issues

Construction of the Olympic Stadium was completed in November 2019 with many sustainability initiatives, including using energy-saving technologies and high standards of accessibility.

Sustainability was also a key feature of the eight permanent venues, including the Tokyo Aquatics Centre. These venues will not only function as competition venues for the Games, but will also continue to be used as valuable public properties long after the Games.

Temporary venues*¹ construction has been partially completed, while overlay*² installation is ongoing at many venues. Since these facilities will be dismantled and removed after the Games, the required materials are leased or rented whenever possible.

The accommodation buildings for the Olympic/Paralympic Village were completed in December 2019, while the Village Plaza is scheduled to be completed in April 2020.

Since development and construction of these venues involve prime contractors and subcontractors, we provided consistent health and safety training to everyone concerned, and encouraged the creation of a workplace where people are motivated to work, with policies such as the shortening of working hours.

*1 Buildings and facilities installed to meet the necessary standard as venues in the premise where there are no existing nor newly built venues. They are only used during the Games and dismantled after the Games (competition venue, exterior, fence, etc.)

*2 Structures and equipment additional to the Games venue which are added temporarily for the operation of the Games or for the duration of the Games (prefabricated structures, tents, broadcast lighting, etc. for operations)



Venue Development Highlights

Olympic Stadium in tune with nature

The Olympic Stadium was completed in November 2019 through the development of the Japan Sport Council (JSC).

Multifaceted sustainability initiatives were carried out during its development.



Heat-related measures

In addition to installing a main roof that covers all the stands, the Stadium has large eaves and terraces installed to control wind flow and let in the summer breezes.



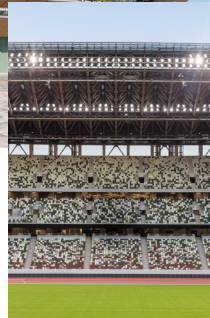
Accessibility

Using feedback from wheelchair users and other parties concerned, we adopted large-capacity elevators that considers factors such as the height of operation buttons in its design, among others.



Energy-saving technologies

Aside from earning the highest rating of Level 3 of the Tokyo Green Building Programme, we adopted the next-generation building energy management system (BEMS) in order to optimise energy use.



©Japan Sport Council

Permanent venues for effective use long after the Games

TMG developed eight permanent venues, including the Tokyo Aquatics Centre.

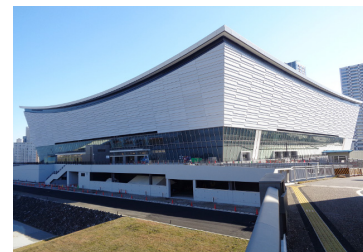
Multifaceted sustainability initiatives were carried out during development. These venues will also continue to be effectively used as valuable properties of the people long after the Games.

Resource reuse and recycling

Environmentally friendly items were used as construction materials, such as recycled crusher run and concrete using recycled aggregates.

Landscape greening and biodiversity

TMG has been working on greening the landscape by keeping existing trees as much as possible and other activities to preserve the greenery, as well as by selecting tree species that blend in with neighboring parks.



©TMG

Ariake Arena

The facilities are going to be used as a new sports and cultural centre for sports and other events, including international competitions in Tokyo.

Kasai Canoe Slalom Centre

The centre is going to be used as a leisure and recreational facility where rafting can also be enjoyed, and which is integrated with the surrounding parks and waters.



©TMG



Venue Development Highlights

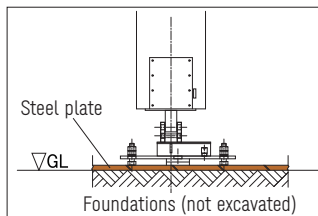
Temporary venues and overlays that consider after the Games



Leased tents

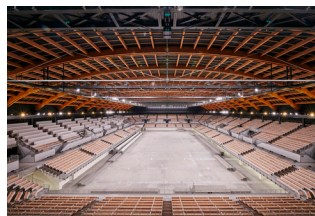
Since temporary venues and overlays will be dismantled and removed after the Games, we procured the required materials and goods by rentals or leases whenever possible.

We are also committed to ensuring sustainability at each stage, from construction of the venue to dismantling and removal.



Reducing construction impact

Efforts were made to reduce construction impact, ground modification and surplus construction soil, such as by using a footing shape that does not involve ground excavation.



Use of energy-saving technologies

The Ariake Gymnastics Centre has earned the highest rank S under the Comprehensive Assessment System for Building Environment Efficiency (CASBEE) for short-term use, which comprehensively assesses environmental considerations as well as considerations for indoor comfort and landscape.

Operation BATON: Building Athletes' village with Timber Of the Nation

The Village Plaza is a signature facility of the Olympic/Paralympic Village, where messages from the Games can be broadcasted to a large number of people via the media. We are carrying out a project to construct the Village Plaza using native timber on loan from local governments across Japan, which will afterwards be dismantled and returned to be used as a legacy of the Games in each region.



Creating a motivating workplace

Since the involvement of construction and related industries in venue development entails multiple levels of prime contractors and subcontractors, we provided consistent health and safety training to everyone concerned. We also encouraged the creation of a workplace where people are motivated to work, with policies such as the thorough health management of construction workers and shortening of long work hours.



Handing Down the Legacy

The legacy of the Tokyo 2020 Olympic and Paralympic Games will consist of long-term tangible and intangible assets and benefits derived from hosting the Games. This legacy goes beyond the sphere of the Olympic and Paralympic Movements to include impacts on people’s lives through sports and indeed on an array of different spheres of activity, including residents’ lives, society, cities, and the economy. In a word, our legacy embodies the Tokyo 2020 Games Vision.

This legacy is inseparable from sustainability. Taking sustainability seriously helps us maximise the benefits of our legacy, which is made possible precisely by the robust and sustainable foundation on which the Games is delivered.

We hope that after the Games, the achievements and lessons of the Tokyo 2020 Games will be passed on and used by various stakeholders not only in the host city, Tokyo, but also throughout Japan, as well as in Asia and across the world.

The Sustainability Concept of the Tokyo 2020 Games

Be better, together

For the planet and the people



The Sustainability Concept of the Tokyo 2020 Games

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The Worldwide Olympic Partners



Tokyo 2020 Olympic Gold Partners



Tokyo 2020 Olympic Official Partners





The Worldwide Paralympic Partners



Tokyo 2020 Paralympic Gold Partners



Tokyo 2020 Paralympic Official Partners

