

Practice to be assessed and included in the Guidelines

Number/code: OM/ML2

Title: SPREADING THE USE OF HYDROGEN ENERGY

Guidelines section:

<input type="checkbox"/>	Governance	<input checked="" type="checkbox"/>	Operational management
		<input type="checkbox"/>	<i>Context of the event</i>
		<input type="checkbox"/>	<i>Event</i>
		<input type="checkbox"/>	<i>Stadium management</i>
		<input type="checkbox"/>	<i>Procurement</i>
		<input checked="" type="checkbox"/>	<i>Mobility and logistics</i>
		<input type="checkbox"/>	

Description

Hydrogen energy is a next-generation energy that emits zero CO₂ in its entire lifecycle, when renewable energies are used in the production phase, as it only emits water in the consumption phase. The TMG (the subject that constructs new venues) is spreading the use of hydrogen energy such as promoting the use of fuel-cell vehicles and installing hydrogen stations to realise a hydrogen society.

In the Tokyo 2020 Games, fuel-cell vehicles are going to be used as official vehicles. In addition, hydrogen energy is going to be actively used by building hydrogen supply systems such as the construction of hydrogen pipelines, and the Olympic Village is going to be used as the model for realising a hydrogen society as one of the legacies of the Games. The TMG is also planning to use hydrogen produced using renewable energies generated in Fukushima in the Tokyo 2020 Games through the cooperation with the prefecture of Fukushima that suffered intensive damage in the Great East Japan Earthquake. Also, hydrogen stations will be installed after the Tokyo 2020 Games to transport hydrogen from there to other areas and districts. Pure hydrogen fuel cells installed individual areas and districts will then supply electricity and heat to buildings.

Environmental benefits

Through these efforts, Tokyo is going to lead the construction of hydrogen society, strengthen the resilience of the city, and produce legacies such as the construction of new business models for using hydrogen in residential areas. The use of hydrogen energy will be increased using the Tokyo 2020 Games as an opportunity and leave hydrogen society as one of the legacies of the Tokyo 2020 Games.

Economic benefits

Hydrogen stations will be installed after the Tokyo 2020 Games to transport hydrogen from there to other areas and districts.

Applicability and replicability potential

The practice has some infrastructures needs to be replicated

Source

[TOKYO 2020](#) (p.33)