

China Promoting Clean Electric Buses for the Beijing Olympics (CEBBO)

The Challenge

China's rapid development of vehicle industry has made China the fourth largest vehicle production country and the third largest vehicle consumption country in 2003. With the continuous rise of urban vehicle quantity, the contribution rate of vehicle pollutant emissions will continue increasing. The XXIX Olympic Games will be held in Beijing in August 2008. As the host of the Olympic Games, the municipal government of Beijing has committed itself to hosting a "Green, Scientific, and Humanistic Olympic Games"

The Response

The proposed project will use the Beijing Olympic Games (BOG) as an opportunity to showcase the GEF's contribution to addressing global environmental challenges and the Chinese efforts in greening the Olympics and improving environmental quality of Beijing. The project will mainly demonstrate the use of the electric buses powered solely by Li-ion batteries during the XXIX BOG and will continue to use buses to transport passengers after the Games

The expected direct global environmental benefits of project include avoidance of greenhouse gas emissions from the operation of the buses during their lifetime.

Achievements

A detailed assessment study and project design was undertaken in 2007, and the medium-Sized project was launched in July 2008 with the following project achievements anticipated: through demonstration during the XXIX BOG, development and deployment of clean vehicle technologies will accelerate in China, resulting in further reduction of greenhouse gas emissions. The indirect global environmental benefits of the project will be achieved through the outreach program by raising

the awareness of the athletes, the media, and other participants to the Olympics and the general public about climate change and other global environmental issues as well as options to reduce the human impact on the environment.

At A Glance

Preparatory Phase: 2007
Full Project Phase: April-December 2008
Implementing Partner: Beijing Municipal Environmental Protection Bureau
Project ID: 00060178

UNDAF Outcome

- Participating athletes, media people, and the general public are fully aware of the Chinese efforts for a green Olympics;
- Improved air quality at the Olympics venues and surroundings;
- Enhanced image of Beijing as an environment-friendly metropolis;
- Enhanced public image of the GEF as a global entity to support environmentally sustainable development; and,
- Increased public awareness about the GEF, global environmental issues particularly on climate change, and clean vehicle technologies.

CPAP Outcome:

- CO₂ emission reduction of about 112 tons during the 30-days BOG (as compared to the baseline scenario of using 50 CDBs)
- Fully utilized and operational LEBs that can be deployed within the Beijing transport system.
- Signed agreement on the utilization of the 4 GEF-purchased Li-ion battery powered buses (with the GEF logo emblazoned on the sides of each bus) for use by the Beijing Municipal Government (Beijing Transport Group) after the Olympic Games

Full Project Funding::

GEF/UNDP Fund:	US\$ 1,000,000
Government :	US\$ 12,300,000
Total:	US\$ 13,300,000

To contribute to this initiative, or to find out more about the project, please visit our website or contact us at 86-10-8532 0800 or registry.cn@undp.org