

Joint Media Release

BCA AND CDL ORGANISE FIRST COMPETITION TO GREEN EXISTING BUILDING

- The BCA-CDL Green Sparks Competition is a first-of-its-kind initiative designed to raise awareness and engage tertiary students in the greening of the built environment

In Singapore, buildings and households account for about half of the nation's total electricity consumption. Existing buildings, in particular, are responsible for the consumption of a third of our national end-use electricity.

- 2 In line with BCA's 2nd Green Building Masterplan, which places special emphasis on greening existing buildings, this first-of-its-kind green building competition in Singapore is designed to inspire green ideas and thought in the retrofitting of existing buildings with the aim of reducing the building's energy consumption and lowering its carbon footprint.
- 3 The "BCA-CDL Green Sparks Competition 2010", a public-private initiative launched for the first time this year, was mooted to engage our local tertiary students in the national effort to green the built environment and to raise awareness of best green building practices and solutions amongst future practitioners. The organisers hope that students will be educated on the use of good energy saving designs such as the adoption of green building technologies.
- 4 For the inaugural competition, students are presented with the challenge of enhancing the environmental performance of Fuji Xerox Towers. Owned by City Developments Limited (CDL), the existing 38-storey office building attained the BCA Green Mark Gold award in 2008. Students are invited to submit their retrofitting proposal for Fuji Xerox Towers, which should be aimed at reducing the building's energy consumption and lowering its carbon footprint. The retrofitted building should

qualify for the highest accolade under BCA's Green Mark Scheme - the Green Mark Platinum status.

5 Dr John Keung, Chief Executive Officer of BCA said: "BCA is pleased to collaborate with CDL, our Green Mark Champion and Built Environment Leadership Platinum Award recipient, to hold this first green building competition to raise awareness of the need to improve energy efficiency in existing buildings. We hope that the competition will inspire future architects, designers and engineers to join the industry and contribute to the green cause upon graduation."

6 According to the target set by the Inter-Ministerial Committee on Sustainable Development (IMCSD), at least 80% of all buildings in Singapore will have to achieve the BCA Green Mark Certified rating by 2030. This includes both new and existing buildings. Following the success of BCA's 1st Green Building Masterplan in 2006 that placed emphasis on new buildings and those undergoing major retrofitting, BCA rolled out the 2nd Green Building Masterplan in April last year to address the large stock of existing buildings.

7 Mr Kwek Leng Joo, Managing Director of CDL said: "Sustainable development and management has been integral to CDL's Corporate Social Responsibility (CSR) philosophy since the 1990s. With the growing threat of global warming and building sector being the 3rd largest contributor to carbon emissions in Singapore, it is more important now than ever that the building industry embraces environmental sustainability in its business operations. CDL is pleased to partner BCA on this outreach initiative to stimulate greater interest in green building design and innovation amongst the next generation of leaders for the built environment."

8 A site briefing for the competition was held at the Fuji Xerox Towers for participants today. More than 120 students from 5 schools – Nanyang Technological University, National University of Singapore, Temasek Polytechnic, Singapore Polytechnic and Ngee Ann Polytechnic – turned up to get a better understanding of the requirements.

9 "BCA-CDL Green Sparks Competition is a great opportunity for our students to exercise creative and critical thinking while applying what they have learnt from the classroom in an industrial setting," said Mr Chan Kim Kai, Course Manager for

Diploma of Green Building & Sustainability, Temasek Polytechnic. “We hope that our students will, through this competition, become more aware of the importance of green engineering and sustainable design, and realise their impact on the occupants of a building.”

10 Those who are interested to take part in the competition will have until 25 June 2010 to submit their proposals to the organisers. The proposals will be judged according to five criteria – Energy Savings and Environmental Benefits, Feasibility/Cost Effectiveness, Creativity, Replicability and Presentation. About eight entries will be selected for the final round and the finalists will be required to present their projects to a panel of six judges made up of industry experts from the public and private sectors. There will be a total of eight prizes to be given away, with the top three prizes each receiving a plaque and S\$10,000, S\$7,000 and S\$5,000 cash respectively.

11 More information on the competition can be found at the following website:
http://www.greenmark.sg/BCA-CDL_competition.html

Issued by the Building and Construction Authority and City Developments Limited on 1 April 2010

About the Building and Construction Authority (BCA)

The Building and Construction Authority (BCA) of Singapore champions the development of an excellent built environment for Singapore.

BCA’s mission is to shape a safe, high quality, sustainable and friendly built environment, as these are four key elements where BCA has a significant influence. In doing so, it aims to differentiate Singapore’s built environment from those of other cities and contribute to a better quality of life for everyone in Singapore. Hence, its vision is to have “the best built environment for Singapore, our distinctive global city”.

Together with its education and research arm, the BCA Academy of the Built Environment, BCA works closely with its industry partners to develop skills and expertise that help shape the best built environment for Singapore.

For more information, visit www.bca.gov.sg.

About City Developments Limited (CDL)

As Singapore's property pioneer, CDL is a listed international property and hotel conglomerate with an impressive track record of over 22,000 luxurious and quality homes to its name.

Beyond shaping the cityscape with award-winning architectural icons such as The Sail @ Marina Bay, The Oceanfront @ Sentosa Cove and St. Regis Residences, Singapore, over the past four decades, CDL has been leading the industry with green building innovation since the 1990s.

Testament to its commitment towards sustainable development and exceptional contributions towards Singapore's built environment, CDL was awarded the BCA Green Mark Champion Award in 2008 and the BCA Built Environment Leadership Platinum Award in 2009 respectively.

In championing the green cause, CDL not only focuses on engaging its stakeholders and the wider community through various platforms – but also in cultivating environmental consciousness and action amongst the next generation.

For more information, visit www.cdl.com.sg.

Media Contact:

Ms Kong Yuqi
Senior Communications Officer
Communications Department, BCA
DID: 6325 7743
Email: kong_yuqi@bca.gov.sg

Ms Eunice Yang
Assistant Manager
Corporate Communications, CDL
DID: 6428 9330
Email: eunicey@cdl.com.sg

The BCA Green Mark Scheme

The BCA Green Mark Scheme is a green building rating system to evaluate buildings' environmental impact and performance. The Green Mark assesses five key areas:

- Energy Efficiency
- Water Efficiency
- Sustainable Operation and Management
- Indoor Environmental Quality
- Other Green Features

Green Mark for Non-residential Existing Buildings Criteria (Ver. 2.1) can be downloaded from:
http://www.bca.gov.sg/GreenMark/others/GM_NREB_V2.1.pdf

Details of Submission

Each participating team (of 5 to 10 members) must submit their Concept Paper in the required format, with photocopies of their personal documents by **25 June 2010**, 4pm (by hand) to:

c/o Star Horizon Learning Pte Ltd
520 North Bridge Road,
#05-01 Wisma Alsagoff
Singapore 188742

The **Concept Paper** must include:

- (i) Executive Summary (2 pages, maximum)
- (ii) Explanation of Key Green Features/Technologies, which should be grouped under the 5 Green Mark criteria of Energy Efficiency, Water Efficiency, Sustainable Operation and Management, Indoor Environmental Quality, Other Green Features. (*Innovation or new ideas used should be highlighted. Replicability of technology used and measures implemented should also be explained.*)
- iii) Environmental Impact, including estimated effect on energy consumption
- (iv) Economical Effect
- (v) Other Tangible and Intangible Benefits

Panel of Judges for the Final Round

Chief Judge

- Er Lee Chuan Seng, President, Singapore Green Building Council

Judges

- Mr Tan Tian Chong, Director, Technology Development Division, Building and Construction Authority

- Mr Lim Tow Fok, General Manager, Property & Facilities Management, City Developments Limited

- Mr Tai Lee Siang, Director, DP Architects Pte Ltd

- Er Jeffery Chua Leong Chuan, Managing Director, CPG Facilities Management Pte Ltd

- Mr Vincent Low, Director, G-Energy Global

Prizes

First Prize	S\$10,000 cash and plaque
Second Prize	S\$7,000 cash and plaque
Third Prize	S\$5,000 cash and plaque
5 Merit Prizes	S\$1,000 cash and certificate of participation



The Fuji Xerox Towers

The BCA-CDL Green Sparks Competition 2010

If you have a great idea to green an existing building, we'd like to hear it from you. Simply form a team of 5-10 and submit a concept proposal to make the Fuji Xerox Towers into an exemplary green building.

Aim to reduce its energy consumption, lower its carbon footprint and help the building to achieve the BCA Green Mark Platinum Award.

Shortlisted entries will be invited to present their proposal during the Final Competition.



www.greenmark.sg
for more details and competition rules.

Top entries stand to win:



\$10,000
CASH + PLAQUE



\$7,000
CASH + PLAQUE



\$5,000
CASH + PLAQUE

5 merit prizes of \$1,000 each

Site briefing:

**1 April
2010, 2 pm**

Fuji Xerox Auditorium
80 Anson Road,
Singapore 079907

Closing date for
proposal entries:

25 June 2010

For enquiries on the Competition or to register for the Site Briefing, please contact:

Lee Siah (Tel: 6884 9481, Email: leesiah@star-horizon.com)
or Dominic (Tel: 6884 9481, Email: dominic@star-horizon.com)



The BCA-CDL Green Sparks Competition Poster