

## **NEWS RELEASE**

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### **LUXURY SCALES GREEN HEIGHTS – CDL'S CLIVEDEN AT GRANGE AWARDED BCA'S PINNACLE GREEN MARK PLATINUM**

City Developments Limited (CDL) has been conferred the Green Mark Platinum award by the Building and Construction Authority (BCA) for its luxury residential development, Cliveden at Grange.

As the highest tier under the scheme, the BCA's Green Mark Platinum is awarded to exemplary green projects that demonstrate 30% energy and water savings, as well as environmentally sustainable building practices and innovative green features.

Approximately 3.5% of Cliveden's construction cost was invested into the design of its green features. Examples of its various green features include the installation of "4 Green Ticks", the highest rating in energy efficiency for air-conditioners and refrigerators. The water fittings installed are also of "Excellent" rating which is the highest standard possible under the Water Efficiency Labelling Scheme. Renewal energy technology is also deployed in the development. Solar photovoltaic cells are installed to harness solar energy which will power up the lighting in the guardhouse and clubhouse areas.

The project adopts an innovative design that allows natural lighting to filter into the basement through openings and solar tubes. Through the exceptionally lush landscape that is three times more greenery than an average condominium, the residents will enjoy a cooler environment. These green features are expected to achieve savings in energy costs of over \$400,000 per year for the entire development.

In addition, innovations such as a water film envelope cooling system and a green roof are adopted at the Clubhouse which is designed to serve as an educational centre to promote eco-consciousness amongst residents. With a comprehensive range of innovative energy features in place, the project is estimated to reduce 1,100 tonnes of carbon dioxide emission per year, which in turn, requires approximately 5,000 trees to absorb this amount of carbon emission.

In 2007, CDL was accorded two BCA Green Mark Platinum for The Oceanfront @ Sentosa Cove (residential) and City Square Mall (commercial) – the first private developer to be awarded this honour. CDL's third consecutive win of the BCA Green Mark Platinum underscores its commitment towards environmentally sustainable development.

"CDL embarked on the green journey over a decade ago with the belief that we could make a positive contribution towards the environment. Back then, we took bold steps in uncharted territory to proactively incorporate innovative designs and state-of-the-art technology to make our projects more environmentally sustainable. As we continue to endeavor to create new benchmarks of green excellence, it is indeed gratifying that our sustained, voluntary green efforts have been recognised with 17 BCA Green Mark Awards accorded since its inception. As Singapore strives to be an eco-friendly city and

customers becoming more eco-conscious, it is an opportune time for Green Mark to be made mandatory to propel Singapore to become an eco-hub in the region,” said Mr Kwek Leng Joo, CDL’s Managing Director.

Dr John Keung, BCA’s CEO said, “It is heartening to note that the private sector has been very supportive of the BCA Green Mark scheme since it was introduced in 2005, with many stepping up their efforts to shape Singapore’s built environment into a sustainable one. It is commendable indeed that CDL looks beyond making its projects eco-friendly, but influences stakeholders to be mindful of their environment, through the incorporation of communal facilities such as the Clubhouse at Cliveden at Grange that promote green habits and practices.”

A Fact Sheet on the cost savings and benefits of CDL’s latest award-winning BCA Green Mark Platinum project is enclosed.

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## FACT SHEET

### CLIVEDEN AT GRANGE



**Luxury living goes Green:**  
 The city's haute new residential landmark is designed for energy and water efficiency, proving that the enjoyment of luxury does not have to be at the expense of the environment.

Bringing luxe to new heights, Cliveden at Grange comprises 110 units of luxury apartments housed in four towers 24 storeys in height. Located within the exclusive Grange Road residential enclave, the elegant glass towers of the development will be set amidst regally manicured gardens and lush landscaping – affording residents the ambience of a private sanctuary.

Approximately 3.5% of the construction cost was invested into the design of the development's green features.

#### GREEN FEATURES

#### BENEFITS

<p><b>Designed for Energy Efficiency</b></p> <ul style="list-style-type: none"> <li>▪ Installation of energy-efficient air-con (with 4 Green Ticks Energy Label) for all apartment units</li> <li>▪ Installation of motion sensors at common areas such as service lift lobby that will activate lights automatically</li> <li>▪ Installation of solar energy panels at Clubhouse</li> <li>▪ Heat pump for hot water heating in Clubhouse</li> <li>▪ Use of natural lighting for basement car park</li> </ul>	<ul style="list-style-type: none"> <li>▪ Energy savings can be enjoyed by residents from energy-efficient air-conditioners</li> <li>▪ Reduce energy costs (estimated at over \$400,000 per year)</li> </ul>
<p><b>Designed for Water Efficiency</b></p> <ul style="list-style-type: none"> <li>▪ Rainwater harvesting system for irrigation of landscape</li> <li>▪ Waterless urinals at Clubhouse restrooms</li> </ul>	<ul style="list-style-type: none"> <li>▪ Water savings (estimated 20% water savings)</li> </ul>
<p><b>Environmentally-sustainable Site / Project Development and Management Practices</b></p> <ul style="list-style-type: none"> <li>▪ Conservation of eco-system with transplantation of existing trees</li> <li>▪ Use of environmentally-friendly materials such as drywall partitions, non-chemical anti-termite system, recycled pre-cast concrete kerbs, drains, wheel stoppers</li> <li>▪ Monitor and set target to reduce water usage on-site</li> </ul>	<ul style="list-style-type: none"> <li>▪ Promotes environmental conservation</li> <li>▪ Reduce construction waste and water for a clean worksite</li> </ul>

**Designed for Good Indoor Environmental Quality and Environmental Protection**

- Installation of a mechanical ventilation system which incorporates carbon monoxide sensors in the car park. The sensors activate the car park ventilation fans when the carbon monoxide level in the car park hits a pre-set level, and a dynamo and turbine is used to generate electricity for the jet fan system

- Reduce maintenance costs, while ensuring safety

**Design Innovations**

- Installation of photo-catalyst coating water film system at Clubhouse to cool down the internal and external atmosphere of the building.
- Installation of Green roof at Clubhouse
- Wireless lighting with on/off and dimming switches for all apartment units

- Reduce energy required for air-conditioning
- Reduce maintenance and operational costs