

ANNEX B - Factsheet on Greenovate Programme

Background

The Building and Construction Authority (BCA) organised the Greenovate Challenge competition back in 2013 with the aim of engaging secondary school students in greening their schools. The objectives were to generate students' interest and nurture them to become green building advocates, as well as help schools embark on their green building journeys.

Enhancement to the Programme

Since 2016, the competition has been enhanced into an educational programme to better engage the schools as well as enable more sustained partnerships. The emphasis is on the industry collaborations and test bedding opportunities, but the ultimate objective is for students to play a part in greening their schools.

About the Greenovate Programme

Details:

- Secondary schools undergo an energy audit by the ESCO, but with involvement of tertiary students.
- The resulting energy audit report will be provided to the secondary schools for them to identify their gaps, where the secondary school students are to propose an action plan to green their schools.
- BCA is providing capacity building for the secondary school students through a set of educational materials as well as explore opportunities for secondary schools to receive industry sponsorship and collaborations on test-bedding projects.
- As both secondary school and tertiary students would be involved in the process and learning about green buildings, it will also interest them in aspiring to become green building professionals in future.

Participation

BCA will be managing the Greenovate Programme together with the following partners:

- Johnson Controls (JC)
They are the Energy Service Company (ESCO) on board to lead the energy audits as well as train and mentor the Republic Polytechnic students who are assisting in the audit. They would also be assisting the participating schools in the Green Mark certification.
- Republic Polytechnic (RP)
The Republic Polytechnic's school of engineering has students under their Green Building Energy Management Diploma who will assist in the energy audits of the secondary schools as part of their Final Year Project (FYP).
- Singapore Green Building Council (SGBC)
BCA will be able to make use of the educational materials under the Green Schools Initiative (ie. slides and videos) for Greenovate's capacity building component and SGBC will also help link BCA up with various industry partners to explore collaborations / test-bedding opportunities with the secondary schools.

There are nine secondary schools on board this year's Greenovate Programme:

1. Anderson Secondary School
2. Anglican High School
3. Bukit View Secondary School
4. CHIJ St Nicholas Girls' School
5. Commonwealth Secondary School
6. Marsiling Secondary School
7. Nanyang Girls' High School
8. Tanjong Katong Secondary School
9. Woodgrove Secondary School

Registration for this year's programme has closed. Interested parties can write to Mr Immanuel Lim, Senior Manager, 3P Partnership Department (Immanuel.Lim@bca.gov.sg) to participate in next year's cycle.

Quotes from industry partners for Greenovate Programme

"It is important for the young of today to appreciate the very concept of green building as they will be inheriting the world of tomorrow. We hope that in partnership with the Greenovate platform, the cache of educational resources SGBC has developed in collaboration with our industry partners will be put to greater use, instilling greater awareness of green building in our young citizens who will be the nation's future leaders."

- Mr Chia Ngiang Hong, President, Singapore Green Building Council

"Sustainability is an integral part of Johnson Controls' values. We are excited by BCA's vision for the built environment and see a lot of potential for Singapore to lead in new ways of living sustainably in an urban, high-density city. We believe through the Greenovate Programme, we can lend our expertise in optimizing buildings to inspire the next generation to not just be good stewards of our environment but also innovative problem-solvers,"

- Mr Michael Anderton, General Manager and Managing Director of Johnson Controls Building Efficiency Singapore