

**NATIONAL WEATHER STUDY PROJECT COMPETITION 2007**

1 *What is the role of Senoko Power in the National Weather Study Project (NWSP)?*

Senoko Power pledged a sum of \$1 million to support the NWSP for 2006 and 2007. The sponsorship goes towards procurement of a mini-weather station for each participating school. The mini-weather station is equipped with weather measuring instruments for temperature, humidity, rainfall, wind speed, wind direction, pressure, and solar radiation. The station comes with solar cells and data logger, which can be assessed remotely.

2 *Why has Senoko Power initiated the NWSP?*

Senoko Power has initiated many environmental initiatives to minimise CO<sub>2</sub> emissions. We were the first to introduce natural gas into Singapore in 1992 to provide a cleaner and diversified source of alternative fuel. The Company invested \$600 million transforming three ageing oil-fired 120MW (Mega-watt) steam power plants into 1,095MW state-of-the-art natural gas-fired combined cycle plants through repowering. The repowering project enabled a carbon intensity reduction of 2,500,000 tonnes per year, which is equivalent to CO<sub>2</sub> produced by all the passenger cars in Singapore in a year.

Senoko Power, as a genuine triple bottom line company, has a strong focus on the environment and the community. We not only provide our customers with competitively-priced electricity, but also provide the power to make a difference by respecting the environment. It is this environment and community interest that has led to the idea of establishing the NWSP for all Singapore schools.

3 *How is the NWSP run?*

A 15-member Advisory Committee is headed by Professor Leo Tan, Director of National Institute of Education and Chairman of NParks, and Professor Lim Hock, Director of Temasek Laboratories of National University of Singapore (NUS) and Deputy Director of Research at NUS. The rest of the committee members come from MOE, MEWR, NEA, MOH, Singapore Environment Council, Nature Society Singapore, Peoples' Association, The Straits Times and Senoko Power. The Advisory Committee set the competition guidelines and focus of project study.

A working committee comprises representatives from Senoko Power, MOE, NEA and NParks is responsible for the project management and the implementation of the competition process.

4 *Roadmap of NWSP Competition 2007*

<u>Date</u>	<u>Project Milestone</u>
Jun 06	Notice of NWSP Competition 2007
25, 28 Jul 06	Teachers briefing at Auditorium, Singapore Power Building
31 Jul 06	Close of application for sponsorship of mini-weather station
Aug-Oct 06	Installation & (re-)training on the use of mini-weather station
31 Oct 06	Close of project registration
1 Jan 07	Start of NWSP Competition 2007
31 Mar 07	Submission of project report for NWSP Competition 2007
Apr 07	Preliminary assessment
May 07	Final competition at a neutral venue Announcement of result & award presentation

5 *Competition Rules & Regulations*

The competition rules and regulations have been documented in the NWSP website since March 2005. The summary pointers are:

- a) The project must be related to weather pattern and climate change related study.
- b) The project should not have been concurrently registered or already involved in any other similar types of climate or weather-related competition.
- c) A project is to be registered before the start of the competition. Registration ends on 31 October. The competition proper commences from 1 January of each year.
- d) A formal project report of not more than 3,000 words must be submitted to Senoko Power by 31 March.
- e) The project entry should be original. Any form of plagiarism will be rejected.
- f) Senoko will own the copyright of the submitted project.

6 *Preliminary Assessment*

Preliminary assessment will be undertaken at the participating school in April. The date of visit by judges to the school will be notified in March. The assessment exercise is to select the following number of finalists for the Final Competition in May.

- a) Primary School: Five (5) finalists
- b) Secondary School: Five (5) finalists
- c) Junior Colleges: Three (3) finalists

7 *Requirements from the finalist before the Final Competition*

The finalist is to submit softcopy of a project report and a 2-page abstract. The project report should preferably be kept to within 5,000 words. The 2-page abstract will be featured in a commemorative magazine.

8 *What can the finalists expect from the competition?*

All finalists will receive a cash award to be split between the school and the team in 50:50 ratio. The winning school will keep the trophy and the winning team members will be given memento and certificates. The first prize winners or champions shall have the opportunity to showcase their projects at overseas. Though there is a general guideline to each award, the judges are given the absolute discretion to alter the quantum and nature of the award. **The decision of the judges is final.** The result of NWSP Competition 2006 was won by the following schools:

<b>Primary School Division</b>	
Winner	Chongfu Primary School
First runner-up	North Spring Primary School
Second runner-up	Si Ling Primary School
Meritorious submission	South View Primary School
Meritorious submission	Teck Ghee Primary School
<b>Secondary School Division</b>	
Joint Winner	Fuhua Secondary School
Joint Winner	Tanjong Katong Girls' School
Second runner-up	Raffles Girls' Secondary School
Meritorious submission	Geylang Methodist Secondary School
Meritorious submission	Woodgrove Secondary School
<b>Junior College Division</b>	
Winner	Hwa Chong Institution
Runner-up	Yishun Junior College
Meritorious submission	Millennia Institute

9 *How can I know more about the NWSP?*

More information about the NWSP is available at the website <http://www.senokopower.com.sg/environment/national.htm>. For further query, please contact:

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- b) Mr George Kwok, Manager Tel: 8157-6060, email: [georgekwok@senokopower.com.sg](mailto:georgekwok@senokopower.com.sg)
- c) Ms Janet Chia Tel: 6750-0004, email: [janetchia@senokopowr.com.sg](mailto:janetchia@senokopowr.com.sg)

10 *How can I join the NWSP Competition 2007?*

Having a mini-weather station is the first step to participate in the competition. Recipient of the mini-weather station is under moral obligation to participate in the competition for two years. Interested school is requested to submit an application form contain in Appendix 2 no later than 31 July 2006.

There is no restriction to the number of participating teams from each school. The maximum number of each team is six persons, preferably five students and one teacher-mentor. A teacher mentor may oversee more than one team. Similarly, a student may join more than one team.

Generally, it is found team that starts early and is focussed is more likely to do well. Students are encouraged to go beyond literature research, conduct experiment/measurement, interview with the stakeholders, exploit the use of multi-media & information technology, and relate the subject matters to the wider international & global content. The judging criteria is available at the website.