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RECEIVED BY:

Introduced by Senator Poe

RESOLUTION

RECOGNIZING LORENZ RAY PAYONGA AND ALYSSA TRICIA ELOISE VINTOLA OF THE ATENEO DE MANILA UNIVERSITY FOR THEIR INNOVATIVE PROJECT CALLED 'OSCILLOHUMP', AN ALTERNATIVE ENERGY SOLUTION WHICH HARVESTS ENERGY FROM ROAD HUMPS AS THEY EMERGED WORLD CHAMPIONS IN SCHNEIDER ELECTRIC'S 'GO GREEN IN THE CITY' GLOBAL FINALS HELD IN PARIS, FRANCE, PROVING THE GLOBAL COMPETITIVENESS OF THE FILIPINO YOUTH

Whereas, 'Go Green in the City' is an international challenge sponsored by Schneider Electric, a France-based multinational corporation that specializes in electricity distribution, automation management and produces installation components for energy management, in order to encourage business and engineering students to design ideas and find solutions for better optimization of energy and power;

Whereas, **LORENZ RAY PAYONGA** (alumnus of Marcial O. Ranola Memorial School in Albay) and **ALYSSA TRICIA ELOISE VINTOLA** (alumna of Ramon Teves Pastor Memorial-Dumaguete Science High School in Negros Oriental), both 5th year Bachelor of Science in Electronics and Communications Engineering students from the Ateneo de Manila University represented the Philippines in the 3rd Go Green in the City contest held in Paris, France last June 26-29, 2013;

Whereas, the Filipino duo's entry called 'Oscillohump' was chosen as the best project from among 25 other teams such as France, Germany, Russia, Brazil, Turkey, India, China, the United States, Poland, Singapore and Indonesia, among others;

Whereas, the Oscillohump, an alternative energy solution which harvests energy from road humps, uses the simple concept of electromagnetic induction as its theoretical background. Whenever vehicles pass over the Oscillohump, they press springs which plunge magnets into solenoids that will generate power to charge a battery, which is then used to power DC loads such as LED street lamps, traffic lights or CCTV cameras and excess energy may be fed to the power grid[1];

Whereas, Oscillohump's technology gives motorists an opportunity to give back to the environment while ensuring road safety at the same time;

[1] *http://www.philstar.com/campus/2013/07/04/961572/admu-wins-global-green-city-challenge*

Whereas, the Filipino students' entry had earlier been chosen as 1st place during the East Asia finals held last May14-17, 2013 in Jakarta, Indonesia, beating 14 entries from other East Asian countries like Indonesia, South Korea, Malaysia, Singapore, Taiwan, Thailand, and Vietnam;

Whereas, the project would not only improve the safety and security along the road but encourage the use of alternative sources of energy for better energy management;

Whereas, the students' participation proves of the Filipino ingenuity and that Filipino students are globally competitive;

Whereas, French businessman Philippe Reveilhac, country president of Schneider Electric Philippines, should also be acknowledged for investing in skills training of the Filipino youth and providing Filipino students the opportunity to showcase their talents;

Whereas, the government—in particular the Department of Science and Technology and the Department of Energy—should support enterprising students who develop this kind of project that provides alternative energy solutions and partner with private firms to encourage more such projects;

NOW, THEREFORE BE IT RESOLVED, as it is hereby resolved, that the Senate of the Philippines recognize **LORENZ RAY PAYONGA** and **ALYSSA TRICIA ELOISE VINTOLA** of the Ateneo de Manila University for revolutionizing energy management and presenting a cost-efficient energy solution with 'Oscillohump', an alternative energy solution which harvests energy from road humps and beating 25 other teams from around the world during the 3rd Go Green in the City contest held in Paris, France last June 26-29, 2013.

Adopted,

GRACE POE