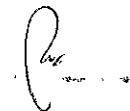


15<sup>th</sup> CONGRESS OF THE REPUBLIC )  
OF THE PHILIPPINES )  
First Regular Session )

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SENATE

S.B. No. 2489

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Introduced by Senator Ramon Bong Revilla, Jr.

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EXPLANATORY NOTE

Our country has once again topped the list of countries that are most vulnerable to disasters, the latest study by Brussels-based Center for Research on the Epidemiology of Disasters (CRED) revealed. The Philippines topped CRED's list after we suffered a whopping 25 disasters last year. Among these disasters were tropical cyclones Pepeng and Ondoy, which claimed hundreds of lives and destroyed property amounting to billions of pesos. The Philippines was also recently identified by the World Bank as highly vulnerable to the adverse impacts of climate change, which increase the frequency and intensity of heat-waves, floods, droughts and typhoons, among others.

In July this year, the Philippine Atmospheric Geophysical and Astronomical Services Administration (PAGASA) announced that Typhoon Basyang (Conson) would batter Northern and Central Luzon areas, but the storm ravaged and lashed Metro Manila instead, without any echelon of preparation, resulting to significant consequential damages.

The magnitude of the role of the PAGASA as the primary government agency tasked to monitor and report weather conditions to the public must be stressed and emphasized. This bill seeks to empower PAGASA to speedily convey precise weather information as it is vital in determining the level of preparedness in handling natural disasters.

Immediate passage of this bill is highly needed.

  
RAMON BONG REVILLA, JR.  
Senator

15<sup>th</sup> CONGRESS OF THE REPUBLIC )  
OF THE PHILIPPINES )  
First Regular Session )

SENATE

S.B. No. 2489

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**AN ACT**  
**PROVIDING FOR THE MODERNIZATION OF THE PHILIPPINE**  
**ATMOSPHERIC GEOPHYSICAL AND ASTRONOMICAL SERVICES**  
**ADMINISTRATION, PROVIDING FUNDS THEREFORE AND FOR OTHER**  
**PURPOSES**

*Be it enacted by the Senate and the House of Representatives of the Philippines in Congress assembled:*

Section 1. **Title** - This Act shall be known as the "PAGASA Modernization of 2010."

Section 2. **Declaration of Policy** - It is hereby declared the policy of the State to improve weather forecasting in the country and to ensure its accuracy and timely dissemination to the public. Towards this end, the State shall undertake the modernization of the national weather service to ensure the safety and well-being of the people and to ensure national progress.

In the implementation of the foregoing policy, the State shall, in accordance with the provisions of this Act:

- a. Undertake measures to improve on the current state of weather forecasting and warning system in the country;
- b. Cultivate greater awareness by the public of weather systems through the educational projects and programs in storm signals, the development of typhoons, climatic changes, and other related information;
- c. Upgrade, modernize and procure state-of-the-art weather and geophysical equipment, instruments and facilities, and the application of new technologies to improve our capabilities in providing timely and reliable forecasting, warning services, and information for agriculture, transportation and other industries across the country.

Section 3. **Components of Modernization** - To realize improved and enhanced weather and flood forecasting, climate monitoring/prediction and astronomical and associated services, the Philippine Atmospheric Geophysical and Astronomical Services Administration (PAGASA) shall undertake a six (6) year modernization program. Towards this end, the PAGASA shall adopt the following four pronged principal approach, in the order of priority:

- a. Establishment of regional weather service centers strategic areas in the country to broaden the agency's bases for delivery of service to the countryside;
- b. Modernization of physical resources and operational techniques through acquisition of state-of-the-art instruments, equipment and facilities, with emphasis on weather and flood

monitoring and warning system and ago-meteorological observational system to strengthen services for agriculture;

- c. Intensification of human resources development to keep at pace with the rapid scientific and technological advances;
- d. *Upgrading of research and development capability through a more rationalized and totally integrated approach and identified activities, with focus on improvement of operations, as well as the development of specialized services for cost recovery.*

**Section 4. Program Description** - The modernization program under this Act shall principally be a re-tooling of the PAGASA with modern equipment and facilities, including but not limited to advanced observational and surveillance system for meteorological and hydrological elements, whenever possible satellite-based communication network, supercomputers for data processing analysis and forecasting, and computer based workstations for generating increased volume for detailed information. It shall also establish an efficient human resources development program that emphasizes on professional education, training and research.

**Section 5. PAGASA Modernization Oversight Committee** - There is hereby created a Modernization Oversight Committee composed of the Secretary of Science and Technology, the Director of the PAGASA, the Chairperson of the Congressional Committee on Science and Technology, and a representative from the Office of the President, through the Project Monitoring Staff of the National Economic and Development Authority (NEDA), who shall oversee the implementation of the modernization program provided under this Act. The Committee shall be chaired by the Secretary of the Department of Science and Technology (DOST).

**Section 6. PAGASA Modernization Fund** - There is hereby created the PAGASA Modernization Fund which shall be used exclusively to fund the modernization program which shall include whatever funds may be made available from, but not limited to, the following sources:

- a. A portion of the net income of the Philippine Amusement and Gaming Corporation (PAGCOR) to be taken from the fifty percent (50%) share of the National Government.
- b. Loans, grants, bequests, and donations whether from local or foreign sources. The Secretary of the DOST with the approval of the National Economic and Development Authority (NEDA) and subsequently the Department of Finance is hereby granted the authority to enter into loan agreements with foreign financial institutions.

**Section 7. Cost Recovery Measures** - The PAGASA, *with* the approval of the DOST Secretary, shall implement a sustainable cost recovery program that will allow it to earn revenue from its issuance of specialized weather information, certifications, and scientific and technical publications for which the necessary fees can be charged; Provided that one hundred percent (100%) of the fees collected shall be retained by PAGASA for the next twenty (20) years starting six (6) years after the effectivity of this Act, for the operation and maintenance of the equipment acquired during the modernization program; Provided, however, that no fees shall be charged on the issuance of regular and special reports to the general public that *affect* national safety, weather, and economy, and such other relevant data;

**Section 8. Progress Report** - The Secretary of the DOST and the Director of the PAGASA shall submit to the *Office* of the President and the Congressional Committees on Science and Technology a quarterly report on the progress of the modernization program for the duration of its implementation.

Section 9. *Repealing Clause.* - All laws, decrees, orders, rules and regulations, policies, programs or parts thereof, that are inconsistent with any of the provisions of this Act, are hereby repealed, amended or modified accordingly.

Section 10. *Separability Clause.* - If for any reason, any section or provision of this Act is declared to be unconstitutional or invalid, the other sections or provisions hereof which are not affected hereby, shall continue in full force and effect.

Section 11. *Effectivity.* - This Act shall take effect fifteen (15) days after its complete publication in the Official Gazette or in at least two (2) newspapers of general circulation, whichever comes earlier.

*Approved,*