

10 JUL -8 P2 33

**SENATE**

S. No. 1039

RECEIVED BY: 

---

Introduced by Senator Manuel "Lito" M. Lapid

---

**EXPLANATORY NOTE**

Philippines is an agricultural country, almost half of the country's middle and low income earners derived their source of living from the crops they plant, which takes at least three (3) months of cultivation before they finally enjoy the fruits of their labor. The success of this kind of livelihood is unquestionably dependent on the weather prevailing at the time of cultivation up to the time of harvest, in other words, the risks undertaken by the farmers are so incomparable, considering that the industry and labor that they contributed in the cultivation of the crops will just perish by a single sweep of typhoon in the country.

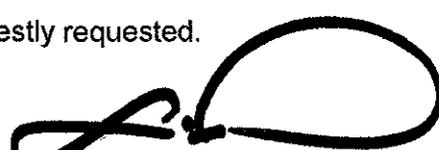
It is undeniable that being an oriental country, the recurrence of natural calamities in the country is something to be expected. Just last year and even this year, we have been affronted with numerous typhoons and floods that triggered hundreds of millions of pesos of property damage and even claimed many lives.

It is ironic however, that PAGASA, which is supposed to be the forerunner of weather information, cannot serve the purpose of its existence. There were times where PAGASA disseminated erroneous forecast or the forecast came in belatedly, these inadvertent errors are not attributable to the people composing the said Agency, but rather to the antiquated apparatus or equipment they use. In some countries, they spend millions of dollars for the modernization of weather forecasting, the rationale is to forestall or at least minimize that damage that a calamity will surely bring forth. With correct and reliable weather forecasting, the damage is lessened because before the calamity strikes, preparation has already been established for said purposes.

In our country, we can see no reasons why we cannot modernize our weather forecasting, we have more reasons to modernize our weather forecasting because our country is considered a typhoon-belt, and not to mention that we are in an agricultural country. It is highly imperative that we should also contemplate the welfare of the farmers by giving them accurate weather information for their own protection.

Some of our government agencies already embarked in the modernization program, in fact some of them are already modernized, the GSIS and SSS have their own electronic cards in their transactions, if these agencies were able to modernize then there is no reason why we should deprive the PAGASA of the modernization which has long been sought. There is more paramount and transcendental reason of the PAGASA modernization, it is not only because it would effectively thwart gigantic property damage but from the holistic point of view it will save us from the possible economic collapse.

In view of the foregoing, approval of this bill is earnestly requested.

  
**MANUEL "LITO" M. LAPID**  
Senator

)  
)  
)

SENATE  
~~SECRETARY~~  
10 JUL -8 P2:33

**SENATE**

S. No. 1039

RECEIVED BY:                     

---

Introduced by Senator Manuel "Lito" M. Lapid

---

**AN ACT  
PROVIDING FOR THE MODERNIZATION OF THE PHILIPPINE  
ATMOSPHERIC GEOPHYSICAL AND ASTRONOMICAL SERVICES  
ADMINISTRATION (PAGASA), 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. Short Title.** - This Act shall be known as the "**PAGASA  
Modernization Act of 2010.**"

**SEC. 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 provision 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; and

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.

**SEC. 3. *Components of Modernization.*** - To realize improved and enhance weather and flood forecasting, climate monitoring/prediction and astronomical and associated services, the Philippine Atmospheric Geophysical and Astronomical Services Administration (PAGASA) shall undertake an 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.

**SEC. 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, super-computers 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.

**SEC. 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).

**SEC. 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 (DOF) is hereby granted the authority to enter into loan agreements with foreign financial institutions.

**SEC. 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.

**SEC. 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.

**SEC. 9. Repealing Clause.** - All laws, orders, proclamations, rules and regulations, or part thereof, which are inconsistent with any provision of this Act are hereby repealed or modified accordingly.

**SEC. 10. Separability Clause.** - The provisions of this Act are hereby declared to be separable, and in the event any one or more of such provisions are held unconstitutional, the validity of the other provisions shall not be affected.

**SEC. 11. Effectivity Clause.** - This Act shall take effect fifteen (15) days following its publication in the Official Gazette or in at least two (2) newspapers of general circulation.

**Approved,**