

**Republic of the Philippines
HOUSE OF REPRESENTATIVES
Quezon City**

**FIFTEENTH CONGRESS
Second Regular Session**

5220
House Bill No. _____

**Introduced by Representatives
DIOSDADO MACAPAGAL ARROYO and GLORIA MACAPAGAL ARROYO**

**AN ACT
AUTHORIZING HIGHER EDUCATION CURRICULUM DEVELOPMENT AND
GRADUATE TRAINING IN ADVANCED ENERGY AND GREEN BUILDING
TECHNOLOGIES¹**

EXPLANATORY NOTE

During an Annual General Membership Meeting of the Philippine Green Building Council (PhilGBC) held in Makati City, British experts from building and design companies shared their "latest and most innovative" environmental technologies with local counterparts. Part of its global commitment to address alarming trends of climate change, the United Kingdom reportedly seeks to bring in countries like the Philippines cutting-edge environmental technologies, particularly in building designs.

John Chick, director of UK Trade and Investment (UKTI), said technology sharing is timely since the PhilGBC is currently working on a set of standards for the Philippines called Building Ecologically Responsive Design for Excellence (BERDE).²

This bill proposes to work on such an initiative by mandating the Department of Energy (DOE) to partner with the Commission on Higher Education in awarding grants to university programs related to the design and

¹ This is a similar measure filed by the Hon. Miriam Defensor Santiago during the Third Regular Session of the 14th Congress.

² <http://mb.com.ph/articles/202836/uk-experts-show-green-building-technologies>.

construction of high performance buildings. The legislation specifically states that in awarding grants, the DOE should give priority to university programs in design, architecture, landscape architecture, and city, regional, or urban planning. This would improve the ability of engineers, architects, landscape architects, and planners to cooperate on the incorporation of advanced energy technologies during the design and construction of buildings.

The bill would also help in preparing the next wave of design and construction professionals to improve the energy efficiency and productivity of our nation's buildings.

In view of the foregoing, the expeditious passage of this bill into law is earnestly requested.



DIOSDADO MACAPAGAL ARROYO
Second District, Camarines Sur

GLORIA MACAPAGAL ARROYO
Second District, Pampanga

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*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 "Green Energy Education Act of 2011."

SECTION 2. *Definition.* – For purposes of this Act, the term:

- (1) "Chair" means the chairman of the Commission on Higher Education (CHED).
- (2) "High Performance Building" means a building that integrates and optimizes all major high-performance building attributes, including energy efficiency, durability, life-cycle performance, and occupant productivity.
- (3) "Secretary" means the Secretary of the Department of Energy (DOE).

SECTION 3. *Graduate Training In Energy Research And Development.* -

- (a) *Funding.* – In carrying out research, development, demonstration, and commercial application activities authorized for the DOE, the Secretary

may contribute funds to the CHED to support projects that enable graduate education related to such activities.

(b) Consultation. – The Chair shall consult with the Secretary when preparing solicitations and awarding grants for projects described in paragraph (a).

SECTION 4. *Curriculum Development For High Performance Building Design.* -

(a) Funding. – In carrying out advanced energy technology research, development, demonstration, and commercial application activities authorized for the DOE related to high performance buildings, the Secretary may contribute funds to curriculum development activities at the CHED for the purpose of improving undergraduate or graduate interdisciplinary engineering and architecture education related to the design and construction of high performance buildings, including development of curricula, of laboratory activities, of training practicums, or of design projects.

A primary goal of curriculum development activities supported under this Section shall be to improve the ability of engineers, architects, landscape architects, and planners to work together on the incorporation of advanced energy technologies during the design and construction of high performance buildings.

(b) Consultation. – The Chair shall consult with the Secretary when preparing solicitations and awarding grants for projects described in paragraph (a).

(c) Priority. – In awarding grants with respect to which the Secretary has contributed funds under this Section, the Chair shall give priority to applications from departments, programs, or centers of a school of engineering that are partnered with schools, departments, or programs of design, architecture, and city, regional, or urban planning.

SECTION 5. *Separability Clause.* – If any provision or part hereof, is held invalid or unconstitutional, the remainder of the Act or the provision not otherwise affected shall remain valid and subsisting.

SECTION 6. *Repealing Clause.* – Any law, presidential decree or issuance, executive order, letter of instruction, administrative order, rule or regulation contrary to, or inconsistent with the provisions of this Act is hereby repealed, modified or amended accordingly.

SECTION 7. *Effectivity Clause.* – This Act shall take effect fifteen (15) days after its publication in at least two (2) newspapers of general circulation.

Approved,