

SIXTEENTH CONGRESS OF THE REPUBLIC)
OF THE PHILIPPINES)
First Regular Session)



Senate
Office of the Secretary

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SENATE
S. No. 1332

RECEIVED BY: *js*

Introduced by Senator Miriam Defensor Santiago

EXPLANATORY NOTE

The Constitution, Article 2, Section 20 provides that:

SEC. 20. The State recognizes the indispensable role of the private sector, encourages private enterprise, and provides incentives to needed investments.

As the price of power increases due to the increase of oil price in the international market, more and more efforts are being undertaken to provide for alternative sources of energy. As we seek to be more self-sufficient in energy generation, it is imperative that we not only look for alternative sources of energy but also promote efficient use of energy by the industries, more particularly the energy intensive manufacturing sector. By providing initiatives and incentives to support efforts in developing technologies that provide alternative sources and promote efficient use of energy, we can produce innovations that may be translated into efficiency improvements in buildings, transportation, and other economic sectors that depend upon these industries.

This bill seeks to mandate the Department of Energy to promote collaborative efforts with the private sector, particularly the manufacturing sector, to broaden and accelerate the research and development of new manufacturing processes that optimize energy efficiency and utilize diverse sources of energy.*

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Miriam Defensor Santiago
MIRIAM DEFENSOR SANTIAGO

* This bill was originally filed in the Fourteenth Congress, Second Regular Session.



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1 AN ACT

2 TO SUPPORT RESEARCH AND DEVELOPMENT OF NEW INDUSTRIAL PROCESSES
3 AND TECHNOLOGIES THAT OPTIMIZE ENERGY EFFICIENCY AND
4 ENVIRONMENTAL PERFORMANCE, UTILIZE DIVERSE SOURCES OF ENERGY, AND
5 INCREASE ECONOMIC COMPETITIVENESS

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

6 SECTION 1. *Short Title.* – This Act shall be known as the “Industrial Energy Efficiency
7 Research and Development Act.”

8 SECTION 2. *Industrial Technologies Program.* – The Secretary of Energy (in this Act
9 referred to as the “Secretary”) shall establish a program, in cooperation with energy-intensive
10 industries, trade and industry research collaborations representing such industries, and
11 institutions of higher education—

12 (1) to conduct energy research, development, demonstration, and commercial
13 application activities with respect to new industrial and commercial processes, technologies, and
14 methods to--

15 (A) achieve substantial improvements in energy efficiency; and

16 (B) enhance the economic competitiveness of the Philippine industrial sector;

17 and

18 (2) to conduct environmental research and development with respect to new industrial
19 and commercial processes, technologies, and methods to achieve environmental performance
20 improvements such as waste reduction, emissions reductions, and more efficient water use.

1 SECTION 3. *Program Activities.* – Research, development, demonstration, and
2 commercial application activities under this Act may include but not be limited to—

3 (1) activities to support the development and use of technologies and processes that
4 improve the quality and quantity of feedstocks recovered or recycled from process and waste
5 streams;

6 (2) research to meet manufacturing feedstock requirements with alternative resources;

7 (3) research to develop and demonstrate technologies and processes that utilize
8 alternative energy sources to supply heat, power, and new feedstocks for energy-intensive
9 industries;

10 (4) research to achieve energy efficiency in steam, power, control system, and
11 process heat technologies, and in other manufacturing processes; and

12 (5) a program to fund research, development, and demonstration relating to inventors'
13 and small companies' technology proposals, based on energy savings potential, commercial
14 viability, and technical merit.

15 SECTION 4. *Annual Reports.* – Not later than one (1) year after the date of enactment of
16 this Act, and every two (2) years thereafter, the Secretary shall submit to the Congress a report
17 on the activities conducted pursuant to this Act, including—

18 (1) a description of the activities used to facilitate cooperation with energy-intensive
19 industries, universities, and other participants in the program; and

20 (2) a description of ongoing projects and new projects initiated, and the anticipated
21 energy savings associated with achievement of each project's goals.

22 SECTION 5. *University-Based Industrial Research and Assessment Centers.* – To
23 strengthen the program under section 3, the Secretary shall provide funding to university-based
24 industrial research and assessment centers, whose purpose shall be—

25 (1) to identify opportunities for optimizing energy efficiency and environmental
26 performance;

1 (2) to promote application of emerging concepts and technologies in small and
2 medium-sized manufacturers;

3 (3) to promote the research and development for usage of alternative energy sources
4 to supply heat, power, and new feedstocks for energy intensive industries;

5 (4) to coordinate with appropriate government research offices, and provide a
6 clearinghouse for industrial process and energy efficiency technical assistance resources; and

7 (5) to coordinate with government-accredited technical training centers, while
8 ensuring appropriate services to all regions of the country.

9 SECTION 6. *Appropriations.* – To carry out the provisions of this Act, such amount as
10 hereby necessary is hereby authorized to be appropriated from the National Treasury.

11 SECTION 7. *Separability Clause.* – If any provision or part hereof is held invalid or
12 unconstitutional, the remainder of the law or the provision not otherwise affected shall remain
13 valid and subsisting.

14 SECTION 8. *Repealing Clause.* – Any law, presidential decree or issuance, executive
15 order, letter of instruction, administrative order, rule or regulation contrary to or inconsistent
16 with the provision of this Act is hereby repealed, modified, or amended accordingly.

17 SECTION 9. *Effectivity Clause.* – This Act shall take effect fifteen (15) days after its
18 publication in at least two (2) newspapers of general circulation.

Approved,