

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

SENATE
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SENATE
S. No. 1602

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Introduced by Senator Miriam Defensor Santiago

EXPLANATORY NOTE

The Constitution, Article II, 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 the support efforts in developing technologies that provide alternative sources and promote efficient use of energy, we can produce innovations that maybe 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 industry, particularly the manufacturing sector, to broaden and accelerate the high-risk research and development of new manufacturing processes that optimize energy efficiency and utilize diverse sources of energy.¹

Miriam Defensor Santiago
MIRIAM DEFENSOR SANTIAGO

¹ This bill was originally filed in the Fourteenth Congress, Second Regular Session

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AN ACT
TO SUPPORT RESEARCH AND DEVELOPMENT OF NEW INDUSTRIAL PROCESSES
AND TECHNOLOGIES THAT OPTIMIZE ENERGY EFFICIENCY AND
ENVIRONMENTAL PERFORMANCE, UTILIZE DIVERSE SOURCES OF ENERGY, AND
INCREASE ECONOMIC COMPETITIVENESS

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 “Industrial Energy Efficiency Research and Development Act of 2008.”

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

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

(A) achieve substantial improvements in energy efficiency; and

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

(2) to conduct environmental research and development with respect to new industrial and commercial processes, technologies, and methods to achieve environmental performance 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 section may include--

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
5 waste 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 process
11 heat technologies, and in other manufacturing processes; and

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

15 SECTION 4. *Competitive Awards.* – All awards under this section shall be made on a
16 competitive, merit-reviewed basis.

17 SECTION 5. *Coordination and Nonduplication.* – The Secretary shall, coordinate
18 efforts under this section with other programs of the Department and other government agencies,
19 to avoid duplication of effort.

20 SECTION 6. *Annual Reports.* - Not later than 1 year after the date of enactment of this
21 Act, and once every 2 years thereafter, the Secretary shall submit to the Congress a report on the
22 activities conducted pursuant to this Act, including--

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

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

27

1 SECTION 7. *University-Based Industrial Research and Assessment Centers.* – To
2 strengthen the program under section 3, the Secretary shall provide funding to university-based
3 industrial research and assessment centers, whose purpose shall be--

4 (1) to identify opportunities for optimizing energy efficiency and environmental
5 performance;

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

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

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

13 (5) to coordinate with government-accredited technical training centers and community
14 colleges, while ensuring appropriate services to all regions of the country.

15 SECTION 8. *Appropriations.* – To carry out the provisions of this Act, such amount as
16 hereby necessary is hereby authorized to be appropriated from the National Treasury.

17 SECTION 9. *Separability Clause.* – If any provision or part hereof, is held invalid or
18 unconstitutional, the remainder of the law or the provision not otherwise affected shall remain
19 valid and subsisting.

20 SECTION 10. *Repealing Clause.* – Any law; presidential decree or issuance, executive
21 order, letter of instruction, administrative order, rule or regulation contrary to or is inconsistent
22 with the provision of this Act is hereby repealed, modified, or amended accordingly.

23 SECTION 11. *Effectivity Clause.* – This Act shall take effect fifteen (15) days after its
24 publication in at least two (2) newspapers of general circulation.

25 Approved,