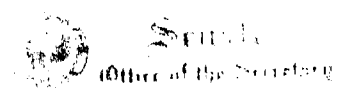


SEVENTEENTH CONGRESS)
REPUBLIC OF THE PHILIPPINES)
First Regular Session)



16 JUL 19 AM 50

S E N A T E

S.B. NO. 446

RECEIVED BY: *J*

Introduced by SENATOR LOREN LEGARDA

**AN ACT PROMOTING GREEN ROOFTOPS ON ALL NEW COMMERCIAL,
INDUSTRIAL AND GOVERNMENT-OWNED BUILDINGS IN THE COUNTRY**

Explanatory Note

Energy security is a critical factor in achieving our economic growth targets. At the same time, our government is doing its best to fulfill its commitments to de-carbonize the energy industry.

Republic Act No. 9729 or the "Climate Change Act of 2009", Section 3, paragraph 3 states:

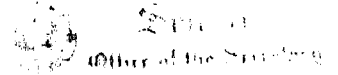
"It shall be the policy of the State to enjoin the participation of national and local governments, businesses, nongovernment organizations, local communities and the public to prevent and reduce the adverse impacts of climate change..."

The proposed measure seeks to achieve a cost-effective solution to the impacts of climate change in the country. This bill seeks to mandate the DPWH in coordination with DENR and the Local Government Units to require all commercial, industrial and government-owned buildings in the country to install "green roofs" covered with plants. Not only will the green roofs improve air quality, they also lead to more efficient energy usage of buildings by releasing heat.

Hence, the passage of this bill is earnestly sought.


LOREN LEGARDA
Senator

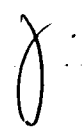
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Introduced by SENATOR LOREN LEGARDA

AN ACT PROMOTING GREEN ROOFTOPS ON ALL NEW COMMERCIAL, INDUSTRIAL AND GOVERNMENT-OWNED BUILDINGS IN THE COUNTRY

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

- 1 **SEC. 1. Short Title.** – This Act shall be known as the “Green Rooftop Act.”
- 2 **SEC. 2. Declaration of Policy.** – It is hereby declared the policy of the State to:
- 3 a. Protect and advance the right of the people to a balanced and healthy
- 4 ecology in accordance with the rhythm and harmony of nature against
- 5 harmful effects of climate change.
- 6
- 7 b. Promote sustainable development and maximize the contribution of the
- 8 industrial and commercial sector in reducing greenhouse gas emissions.
- 9
- 10 c. Promote alternative and renewable sources of energy with due regard to
- 11 the environment, consistent with the country’s sustainable economic
- 12 growth.
- 13
- 14 **SEC. 3. Coverage.** For the purposes of implementing the provisions of this Act,
- 15 the buildings to be installed with green rooftops shall include the following:
- 16 a. All commercial and industrial building with gross floor area of 2,000
- 17 square meters or more, that are scheduled to be constructed a year for
- 18 the effectivity of this Act;
- 19
- 20 b. All existing government owned buildings, unless otherwise recommended
- 21 unfit for installation by DPWH.
- 22 **SEC. 4. Role of Agencies.**
- 23 **SEC. 4.1.** Department of Public Works and Highways (DPWH). The DPWH
- 24 shall be the lead government agency responsible in the implementation of
- 25 the provisions of this Act. In addition to its existing mandate, the DPWH
- 26 shall have the following responsibilities:
- 27 a. Determine, in accordance with the Philippine Building Code, the

1 b. Initiate and maintain collaborative efforts with the business sector,
2 particularly the commercial and industrial sectors, to ensure compliance
3 of this Act;

4
5 c. Consult and coordinate with other government agencies, local
6 government units and the private sector and create an inter-agency
7 committee, as may be necessary, to effectively implement the provisions
8 of this Act;

9
10 **SEC. 4.2.** Department of Environment and Natural Resources (DENR). The
11 DENR shall provide the rooftop vegetation plans, in consultation with the
12 Philippine Building Code set by the DPWH, in relation to the installation of
13 the green rooftops.

14 **SEC. 4.3.** Local Government Units. The LGUs, in coordination with the
15 DPWH, shall revise their guidelines on the issuance of the building
16 construction permits of both industrial and commercial establishments in
17 accordance to the provisions of this Act. The building construction plan to
18 be submitted as a requirement of the permit shall already include the
19 provision of a green rooftop.

20 **SEC. 5. Implementing Rules and Regulations.** The DPWH shall issue the
21 corresponding rules and regulations necessary for the implementation of this
22 Act.

23 **SEC. 6. Appropriations.** Such sums as may be necessary for the
24 implementation of this Act shall be taken from the current fiscal year
25 appropriation of the DPWH. Thereafter, the amount needed for the
26 implementation of this Act shall be included in the annual General
27 Appropriations Act.

28 **SEC. 7. Repealing Clause.** All laws and parts of any law, order, rule and
29 regulation or parts thereof inconsistent with this Act are hereby repealed or
30 amended accordingly.

31 **SEC. 8. Effective Clause.** This Act shall take effect fifteen (15) days after its
32 publication in the Official Gazette or in at least two (2) newspapers or general
33 circulation.

34 Approved,