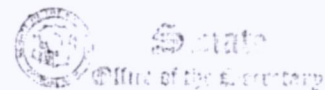


**SEVENTEENTH CONGRESS OF THE REPUBLIC
OF THE PHILIPPINES**
Third Regular Session



SENATE
S.B. NO. 2008

'18 SEP 17 P 4:26

Introduced by Senator Maria Lourdes Nancy S. Binay

AN ACT
PROHIBITING THE DISPOSAL OF ELECTRONIC DEVICES AT SOLID
WASTE MANAGEMENT FACILITIES

EXPLANATORY NOTE

Article II, Section 16 of the 1987 Philippine Constitution provides:

"The State shall protect and advance the right of the people to a balanced and healthful ecology in accord with the rhythm and harmony of nature."

Article II, Section 15 of the 1987 Philippine Constitution provides:

"The State shall protect and promote the right to health of the people and instill health consciousness among them."

Electronic devices are a complex mixture of various materials which contain toxic heavy metals such as lead, mercury, cadmium and beryllium, as well as hazardous chemicals, such as brominated flame retardants. Also polluting PVC plastic is frequently used.


The health hazards of chemicals in electronics are, but not limited to, the following:

1. Damages to the central nervous system (CNS) and the brain during early development due to mercury used in lighting devices for flat-screen displays.
2. Bioaccumulation in the environment of cadmium used in rechargeable computer batteries, contacts and switches and in older CRTs is highly toxic and primarily affect the kidneys and bones.
3. Long term exposure to brominated flame retardants used in circuit boards and plastic casings can lead to impaired learning and memory functions, thyroid and estrogen hormone systems, and exposure in the womb has been linked to behavioral problems.
4. Compounds of hexavalent chromium used in the production of metal housings are highly toxic and carcinogenic to people.

Exposure to these substances are dangerous and may cause serious health risks to people when improperly thrown out since they do not break down easily and they build up in the environment.

The proposed bill seeks to protect the people and prevent the proliferation of this type of waste by reducing the amount of hazardous materials being discarded in solid waste management facilities through recycling and reusing.

In view of the foregoing, the passage of this measure is earnestly sought.


MARIA LOURDES NANCY S. BINAY
Senator

SENATE
S.B. NO. 2008

'18 SEP 17 P4:26

Introduced by Senator Maria Lourdes Nancy S. Binay

RECEIVED



AN ACT
PROHIBITING THE DISPOSAL OF ELECTRONIC DEVICES AT SOLID
WASTE MANAGEMENT FACILITIES

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

1 Section 1. *Definition.* – As used in this Act, "Electronic Device" refers to a
2 desktop or laptop computer, computer monitor, portable computer, cathode ray
3 tube, flat panel based television, or cellular phones.

4
5 Sec. 2. *Prohibitions.* –

6 (A) No person shall knowingly dispose of any electronic device in
7 mixed solid waste; and

8 (B) No Solid Waste Management Facility shall knowingly accept
9 for disposal or incineration any electronic device, or any
10 truckload or container of solid waste which includes electronic
11 device.

12
13 Sec. 3. *Penalty.* – Any violation of Section 2(A) of this Act shall be
14 punished with a fine of twenty thousand pesos (P20,000.00) and imprisonment
15 of not less than one month but not more than three months. Any violation of
16 Section 2(B) of this Act shall be punished with a fine of fifty thousand pesos
17 (P50,000.00) and revocation of the license of the Solid Waste Management
18 Facility.

1 Sec. 4. *Separability Clause.* – If any provision of this Act is held invalid or
2 unconstitutional, the same shall not affect the validity and effectivity of the other
3 provisions hereof.

4
5 Sec. 5. *Repealing Clause.* – All laws, decrees, orders, and issuances, or
6 portions thereof, which are inconsistent with the provisions of this Act, are
7 hereby repealed, amended or modified accordingly.

8
9 Sec. 6. *Effectivity Clause.* – This Act shall take effect fifteen (15) days
10 after its publication in the *Official Gazette* or in two (2) newspapers of general
11 circulation.

Approved,