

**2005 Manufacturer Report Summary
Electronic Waste Recycling Act of 2003
3/1/06**

California's Electronic Waste Recycling Act, enacted by SB 20 (Sher, c. 526 stats.2003) and amended by SB 50 (Sher, c. 863 stats. 2004) requires manufacturers of covered electronic devices as defined by the Act to report specific information on their products sold in California. The provisions for reporting are defined in the California Public Resources Code section 42465.2 and further defined by California Code of Regulations Title 14 18660.42 as emergency regulations adopted December 13, 2004.

Required Information

1. Manufacturer sales information
2. Levels of materials of concern in products
3. Recyclable materials from products
4. Design for recycling efforts by manufacturers
5. List of retailers
6. Consumer information to be provided by manufacturers

Highlights

We received a total of 43 reports. Of that total, 31 manufacturers submitted a collective report for sales and materials of concern information submitted via the trade association, the Electronic Industry Alliance (EIA),

1. Manufacturers sales information

Most manufacturer estimated by using a national number adjusted for population in California. Total sales reported for 2004: 9,091,167 units sold

Table 1: Electronic Industries Alliance (EIA) Collective Reporting

EIA Sales numbers for the covered electronic devices sold from 1/1/04-12/31/04 covered by SB 50. Additional manufacturers added below EIA totals.

Product Category	Screen Size: Greater than 4" and less than 15"	15" and greater, and less than 35"	35" and greater	Total
TV (CRT)	215,935	1,487,565	258,200	1,961,700 22%
Monitors (CRT)	17,596	1,615,758	0	1,633,354 18%
Flat Panel Monitors (LCD)	18,740	2,256,295	1,519	2,276,554 25%
Laptop Computers (LCD)	487,190	2,686,902	0	3,174,092 35%

Total EIA Manufacturers	739,461	8,046,520	259,719	9,045,700 99.22%
Balance of Totals from 12 other reporting entities	7,059	63,217		70,276 >1%
Total All	746,520 8%	8,109,737 89%	259,719 3%	9,115,976 100%

2. Levels of specified materials of concern in products

- Levels of lead are down significantly from National Safety Council's widely quoted estimates of 6-8 pounds of lead in a TV (1999).
- Methodologies to make estimates vary greatly; testing protocols are not defined and some are a best guess due to inconsistent information from suppliers of components. We can not provide an accurate + or - % range.
- Those that reported information outside of the EIA report are similar, but claimed confidentiality.

Table 2: Materials of Concern - EIA collective reporting only

Average amount of material in milligrams for covered products sold from 1/1/04-12/31/04 (without 12 manufacturers, listed as "confidential" in each report)

Product Category	Amount of Lead	Amount of Mercury	Amount of Cadmium	Amount of Hex Chrom	Amount of PBBs
TV (CRT)	1,786,176	5.69	57.02	7,686	1
Monitors (CRT)	827,891	10.65	58.76	139	10
Flat Panel Monitors (LCD)	25,153	18.99	28.71	530	17
Laptop Computers (LCD)	8,709	6.25	0.76	8	2

3. Recyclable materials from products

(All Information below is claimed confidential by manufacturers)

Manufacturers claim that the materials in their products can be recycled. This section in the Act does not require reporting on the use of recycled content materials in covered products.

4. Design for recycling efforts by manufacturers

Most manufacturers are doing good things on design for recycling and disassembly. Design for the environment is heading in the direction of RoHS compliance, if not there already. One manufacturer discusses the elimination of Poly Brominated Diphenyl

Ethers (PBDEs) from their products. Removal of PBDEs will make recycling and reuse of the plastics easier. PBDEs were dropped from tracking in SB 50, but are still part of the RoHS.

5. List of Retailers

Some manufacturers are experiencing problems with notification to retailers as required by the Act. Some manufacturers use distributors, who sell to retailers. The distributor may claim business confidential information to the manufacturer and not provide a list of retailers that the distributors send material. While the manufacturer is ultimately responsible for appropriate retailer notification, there is no specific requirement for the distributor to pass information on to their retailers. It is likely that the list of retailers is incomplete.

6. Consumer Information

The manufacturers are required to provide information to consumers on how and where they should recycle the products. Most manufacturers are using the erecycle.org website set up by CIWMB. Several of the larger manufacturers reference their own website along with www.erecycle.org. The EIA assisted with Spanish translation of the consumer information on the www.erecycle.org site. With heavy reliance on web based information, there is a need to promote the website, and to provide alternatives for those that need other assistance.

List of Manufacturers reporting in 2005 for 2004 information:

3M Touch	IBM SSP	Prima
Apple	IBM PSD	Technology
Casio	IPSG	Radio Shack
Circuit City	JVC Americas Corp	Corp Samsung
Dell	Kenwood	SGI
Epson	Lenovo Inc	Sharp
Fujitsu Computer	LG Electronics	Sony
Corp Funai Corp,	Mitsubishi	Sun
Inc. Gateway	NCR	Microsystems
Hewlett -Packard	NEC	Toshiba ACP
Hitachi (HAL)	Panasonic	Toshiba AIS
Hitachi (HHEA)	Philips Consumer	Transideo -
Hitachi (HISAL)	Electronics Pioneer	Apico TTE
IBM PCD	Planar Systems, Inc	View Sonic
IBM RSS	Polaroid Electronics	UNISYS