

JUNE 4, 2018 (Revised 7/23/18)

FINAL ANNUAL DETERMINATION FOR MANUFACTURERS OF COVERED ELECTRONIC DEVICES

- **Market Share Determination (calendar year 2017 data), and**
- **Brand Determination**

Pursuant to §22a-638-1(f)&(g) of the Regulations of Connecticut State Agencies (“RCSA”), the Commissioner of the Department of Energy and Environmental Protection (“DEEP”) hereby posts the final, annual determinations for the following:

- 1) Market Share Attributable to each Manufacturer for Computers, Printers, Monitors, and Televisions (collectively known as “Covered Electronic Devices” or “CEDs”). This market share determination is based upon available national market share data from the previous calendar year; and
- 2) Brand(s) Attributable to a Manufacturer for Computers, Monitors, and Printers based on information obtained by DEEP¹.

See tables below, the pro rata shares shall be used for the period of no more than a year, as the basis for calculation of the following:

- A. for all manufacturers, a manufacturer’s annual registration renewal fee paid to DEEP;
- B. for manufacturers of televisions, a manufacturer’s recycling fees, to be billed by DEEP-approved Covered Electronic Recyclers (“CERs”); and
- C. for manufacturers of computers, monitors, and printers, a manufacturer’s recycling fees for orphan devices to be billed by CERs.

The national market share data underlying these determinations was provided under contract by the Northeast Recycling Council (“NERC”) in concert with the National Center for Electronics Recycling (“NCER”)

¹ See list titled “[Manufacturer’s Brands / Contacts List for CT DEEP’s Statewide E-Waste Recycling Program](#),” posted on DEEP’s website for brands that are already attributed to a manufacturer. This list is updated by DEEP as needed during the year. Important note for unregistered manufacturers: If a manufacturer / brand is identified on any of the preceding tables, and the manufacturer responsible for the brand(s) has not already registered its brand(s) with DEEP, the manufacturer shall register on a form prescribed by the Commissioner before selling the brand in Connecticut. See [Manufacturer’s Registration Form and Instructions](#) posted on DEEP’s website for more information. If a brand has not already been registered by a manufacturer in Connecticut, see the last table provided below for the Commissioner’s brand determination / assignment to unregistered manufacturers.

and Electronics Recycling Coordination Clearinghouse (“ERCC”). The primary sources of this data include IDC Research, Inc., NPD Group and self-reports provided by electronics manufacturers to ERCC.

Opportunity to Rebut Manufacturer Brand and Market Share Determination (Completed June 1, 2018)

In accordance with RCSA §22a-638-1(f)(2)&(g)(3)(B), the proposed brand and market share determinations noted below and posted on DEEP’s website on May 2, 2018 were presumed to be correct unless a manufacturer submits information rebutting these determinations. A manufacturer that sought to rebut a determination, for itself or for any other manufacturer, had to submit rebuttal information in writing within 30 days of this posting. Rebuttal information included information such as the number of units sold, for the type of CED in question, based upon nationally available data, the number of units shipped, retail sales data, consumer surveys or other nationally available data, the source of any such information and all supporting documents.

Rebuttal information and questions regarding these determinations had to be received no later than June 1, 2018. To summarize, DEEP or ERCC has not received any inquiries from manufacturers or their representatives during the rebuttal period about the proposed market share determination for 2017. As a result, no changes to the proposed market share determination were necessary before the Commissioner made the final determination.

This posting constitutes the final brand and market share determinations, which is also posted on the “[Manufacturer Information](#)” section of the DEEP’s E-Waste web site.

Note that the final market share is used by CERs and DEEP to bill manufacturers (see next section). All registered manufacturers and electronics manufacturer trade associations shall receive an email notice from the Commissioner.

Final Market Share Determination for Billing for Recycling and Administrative Fees

Pro Rata Share Adjustments: For the purposes of billing for orphan devices or televisions, adjustments to the market share percentages were made for the Commissioner to make his final pro rata market share determinations in accordance with RCSA §22a-638-1(h)&(i). The adjustments added together and allocated any de minimis² market shares, to the manufacturers at or above the de minimis thresholds in proportion to their

²For manufacturers of Computers, Monitors and Printers, a manufacturer is considered de minimis if it has less than 1.0% market share. For manufacturers of Televisions, a manufacturer is considered de minimis if it has less than 0.1% market share.

proposed market share. The final pro rata market share for orphan devices and televisions was also posted on the [“Recycler Information”](#) section of DEEP’s E-Waste web site.

Recycling fees: For manufacturers of computers, monitors and printers, the adjustments affect the amounts such manufacturers owe to CERs for orphan devices collected in each category of device in a billing period. Such manufacturers below de minimis in the final market share determination do not pay a share of the recycling fees for orphan devices. Such manufacturers at or above de minimis pay the adjusted, slightly higher, share of the recycling fees to CERs for orphan devices, in accordance with the final market share determination. At a minimum, all manufacturers of computers, monitors and printers pay recycling fees to CERs for the weight of their brands collected.

For manufacturers of televisions, the adjustments affect the recycling fees that manufacturers above the de minimis threshold owe to CERs for the total weight of televisions collected in a billing period. Television manufacturers below de minimis in the proposed market share determination, do not pay recycling fees. Television manufacturers at or above de minimis pay the adjusted, slightly higher, pro rata share of the recycling fees to CERs for televisions, in accordance with the final market share determination.

Administrative Fees: The amount of a manufacturer’s annual registration fee – which will be invoiced separately by DEEP - may not directly correlate with a manufacturer’s pro rata market share for any single category of CED. Each manufacturer is assessed annual registration renewal fees based on:

- the expected costs to DEEP for administering the program for the upcoming year (“annual budget”);
- each manufacturer’s market share for all categories of CEDs that the manufacturer is responsible for a brand(s); and
- a minimum fee of \$250.

No manufacturer shall pay less than \$250 pursuant to RCSA §22a-630(d)-1(b). As a result, adjustments are made to account for manufacturers that have market share below the de minimis thresholds in at least one category of CEDs that are required to pay a minimum fee of \$250.

Market Share Determination for Printers

Manufacturer	Percentage	Final Pro rata*
Hewlett Packard Company	52.016%	52.93%
Canon USA, Inc.	22.042%	22.43%
Epson America, Inc.	19.289%	19.63%
Brother International Corporation	3.637%	3.70%
Funai Corporation, Inc.	1.284%	1.31%
Dell Marketing LP	0.755%	*
Xerox Corporation	0.389%	*
Konica Minolta Business Solution USA, Inc.	0.322%	*
Toshiba America Information Systems, Inc.	0.094%	*
Lexmark International, Inc.	0.085%	*
Ricoh Americas Corporation	0.048%	*
Kyocera Document Solution America, Inc.	0.022%	*
Oki Data Americas, Inc.	0.009%	*
Panasonic Corporation of North America	0.004%	*
Sharp Electronics Corp.	0.004%	*
Xeikon	0.00004%	*
Total	100%	100%

*For manufacturers of printers, a manufacturer is considered de minimis if it has less than 1.0% market share.

Market Share Determination for Computers

Manufacturer	Percentage	Final Pro Rata*	*Continued from Left		
			Manufacturer	Percentage	Final Pro Rata*
Apple Inc.	24.5%	27.0988%			
Amazon Fulfillment Service, Inc.	20.6%	22.7477%	Shaghal Ltd	0.1%	*
Hewlett Packard Company	12.2%	13.4850%	Sprint	0.1%	*
Samsung Electronic America, Inc.	9.1%	9.9977%	Google, Inc.	0.1%	*
Dell Marketing LP	8.3%	9.1142%	Igaming	0.05%	*
Others ¹	5.4%	0%	Craig Electronics inc.	0.04%	*
Lenovo (United States) Inc.	5.1%	5.6456%	LF Products Pte	0.02%	*
Venturer Electronics Inc.	3.6%	3.9506%	Inspire Technology	0.02%	*
ASUS Computer International	2.4%	2.6491%	Sony Electronics Inc.	0.02%	*
Acer America Corporation	2.0%	2.1751%	Odyssey	0.02%	*
YiFang U.S.A. Inc.	1.7%	1.8371%	DPI, Inc.	0.02%	*
Microsoft Corporation	1.2%	1.2992%	Toshiba America Information Systems, Inc.	0.01%	*
Cellco Partnership	0.7%	*	Curtis International Ltd.	0.01%	*
LG Electronics USA, Inc.	0.6%	*	Double Power Tech. Inc.	0.002%	*
TCT Mobile (US) Inc.	0.5%	*	Fujitsu America, Inc.	0.001%	*
Mattel, Inc.	0.5%	*	Razer Inc.	0.0003%	*
ZTE (USA) Inc.	0.4%	*	Wacom	0.0002%	*
MSI Computer Corp.²	0.4%	*	Rakuten Kobo, Inc.	0.0001%	*
PLR IP Holdings, LLC	0.2%	*	HTC	0.0001%	*
Huawei Device USA Inc.	0.2%	*			
Proexpress Distributor LLC	0.1%	*	Total	100%	100%

*For manufacturers of computers, a manufacturer is considered de minimis if it has less than 1.0% market share.

¹All Computer manufacturers which comprise the "Others" category have market share below the 1.0% de minimis threshold.

² On July 13, 2018, DEEP changed the assignment of market share to MSI Computer Corporation based on a discrepancy in the source data. Previously, DEEP assigned to Motorola Mobility LLC the 0.4% market share in error. Upon further review and verification of the source data by DEEP and NCER, both concluded that MSI Computer Corporation should have been listed in this table and not Motorola Mobility, LLC., which has been removed from this revised table. The consequence of such change is minimal since the assigned manufacturer has market share below Connecticut's de minimis threshold of 1.0%.

Market Share Determination for Monitors

Manufacturer	Percentage	Final Pro Rata*
Dell Marketing LP	18.3%	18.6%
Vizio, Inc.	16.5%	16.8%
Hewlett Packard Company	14.5%	14.7%
Samsung Electronic America, Inc.	12.6%	12.8%
LG Electronics USA, Inc.	12.6%	12.8%
ASUS Computer International	7.5%	7.7%
Envision Peripherals, Inc.	7.0%	7.1%
Acer America Corporation	5.4%	5.5%
Viewsonic Corporation	2.9%	2.9%
BenQ America Corporation	1.1%	1.1%
Lenovo (United States), Inc.	0.7%	*
Wacom Technology Corporation	0.4%	*
MSI Computer Corporation	0.3%	*
Best Buy	0.1%	*
Ingram Micro	0.1%	*
Planar Systems, Inc.	0.02%	*
AG Neovo Technology Corporation	0.001%	*
Total	100%	100%

*For manufacturers of monitors, a manufacturer is considered de minimis if it has less than 1.0% market share.

Final Market Share Determination for Televisions

Manufacturer	Percentage	Final Pro Rata*	*Continued from Left		
			Manufacturer	Percentage	Final Pro Rata*
Samsung Electronic America, Inc.	26.8%	26.9%			
Vizio, Inc.	13.3%	13.3%	Naxa Electronics, Inc.	0.01%	*
Best Buy Co. Inc.	11.6%	11.6%	EliteLux Technologies	0.01%	*
LG Electronics USA, Inc.	11.0%	11.1%	Silo Digital	0.01%	*
TTE Technology, Inc.	8.7%	8.7%	UPSTARUSA GROUP	0.01%	*
TongFang Global Inc.	8.1%	8.1%	SIGCUS USA INC.	0.003%	*
Funai Corporation, Inc.	6.7%	6.7%	Spring Rose Technology Co. LTD	0.003%	*
Hisense USA Corporation	5.1%	5.1%	TMAX Digital Inc.	0.001%	*
Sony Electronics, Inc.	4.2%	4.2%	Sound Around Inc.	0.001%	*
Sceptre, Inc.	1.7%	1.7%	OSRAM SYLVANIA, Inc.	0.0004%	*
Curtis International	0.9%	0.9%	Star Light Electronics Co., Ltd	0.0002%	*
PLR IP Holdings, LLC	0.8%	0.8%	RJ Technology, Inc.	0.0002%	*
Hitachi America, Ltd.	0.5%	0.5%	Mitsubishi Electronic US, Inc.	0.0002%	*
Seiki Corporation	0.2%	0.2%	Seura, Inc.	0.0002%	*
Haier America Trading, LLC	0.2%	0.2%	Changhong Trading Corp. USA	0.00001%	*
DPI, Inc	0.06%	*	ASA Electronics	0.0001%	*
Supersonic Corp.	0.05%	*	Voxx International Corp.	0.00003%	*
LE Technology Inc.	0.05%	*	Venturer Electronics, Inc.	0.00001%	*
JVCKENWOOD USA Corp.	0.04%	*	Craig Electronics	0.00001%	*
AXESS Products Corp.	0.04%	*	Panasonic Corporation of North America	0.00001%	*
SunBrite TV, LLC	0.03%	*	Hannstar Display Corporation	0.00001%	*
China America Electronics Corporation	0.03%	*	Atico International USA, Inc.	0.000003%	*
ATYME CORPORATION, INC.	0.02%	*			
Motorola Mobility, LLC	0.01%	*	Total	100%	100%

*For manufacturers of televisions, a manufacturer is considered de minimis if it has less than 0.1% market share.

Brand Determination/ Assignment to Unregistered Manufacturers

Taken from the calendar year 2017 market share data, DEEP hereby assigns the following brands to a manufacturer as listed below. Manufacturers that are responsible for a brand(s) must register with DEEP prior to selling the brand in Connecticut under [Connecticut law](#).

If you are responsible for one of the brands listed below under the law, you should seek to register the brand(s) on a form prescribed by the Commissioner. See [Manufacturer's Registration Form and Instructions](#) posted on DEEP's website for manufacturer registration information and requirements.

For more information on a manufacturer's responsibility to register CEDs in Connecticut, see [RCSA section 22a-638-1\(o\)](#). Also, see [Manufacturer's Brands / Contacts List for DEEP's Statewide E-Waste Recycling Program](#) for brand(s) that were previously determined to be attributable to a manufacturer.

Brand	<u>Computer</u> Manufacturer
Sprint	Sprint
Odyssey	Odyssey

Brand	<u>Television</u> Manufacturer
Avera Digital	China Electronics Corporation
Axess	AXESS PRODUCTS CORP
iVIEW	RJ Technology, Inc.
Jensen	ASA Electronics
LeEco	LE Technology Inc.
Naxa	Naxa Electronics, Inc.
Pyle	Sound Around Inc.
SIGCUS	SIGCUS USA Inc.
Silo Digital	Silo Digital
Speler	Spring Rose Technology Co. LTD
Supersonic	Supersonic Inc.