

FINAL ANNUAL DETERMINATION FOR MANUFACTURERS OF COVERED ELECTRONIC DEVICES

- **Market Share Determination (calendar year 2016 data), and**
- **Brand Determination**

Pursuant to §22a-638-1(f)&(g) of the Regulations of Connecticut State Agencies (“RCSA”), the Department of Energy and Environmental Protection (“DEEP”) hereby posts its 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.

After manufacturers had an opportunity to rebut these determinations and the Commissioner posted his final determinations ([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 (“CER”); 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 that reported the data to ERCC.

Opportunity to Rebut Manufacturer Brand and Market Share Determination (Completed May 1, 2017)

In accordance with RCSA §22a-638-1(f)(2)&(g)(3)(B), the brand and market share determinations noted below and posted on DEEP’s website 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 May 1, 2017, and it was preferred to send the information to the attention of Mr. Mark Latham by email to mark.latham@ct.gov followed by sending the information via traditional mail before the deadline. Rebuttal information was sent to the attention of Mr. Mark Latham, Environmental Analyst 3, Waste Engineering and Enforcement Division, Department of Energy and Environmental Protection, 79 Elm Street, Hartford, Connecticut 06106. Following the receipt of any rebuttal information, the DEEP Commissioner has made his final determination and notified each manufacturer of this determination.

This posting constitutes the final brand and market share determinations, which was posted on the “[Manufacturer Information](#)” section of the DEEP’s E-Waste web site. In summary, DEEP and ERCC received inquiries from manufacturers or their representatives during the rebuttal period about the proposed market share determination for 2016. As a result of a manufacturer inquiry, an error in calculation for three TV manufacturers (Best Buy, Innovative DTV, EliteLux) was discovered in the use of self-reported data. The corrections to these brands caused a change to the total market share for the “others” category, resulting in a decrease in market share for all other TV manufacturers above the de minimis level. Another inquiry resulted in substantive discussion between a manufacturer, ERCC and DEEP about the manufacturer self-reporting process and its limitations. As a result, no changes to the proposed market share determination were necessary.

No other changes were made to the final market share data. Note that the final market share is used by CERs and DEEP to bill manufacturers (see next section).

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 proposed market share. The final pro rata market share for orphan devices and televisions was posted on the [“Recycler Information”](#) section of DEEP’s E-Waste web site. All registered manufacturers and electronics manufacturer trade associations shall receive an email notice from the Commissioner.

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 proposed 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.

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.

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	48.93%	49.24%
Canon USA, Inc.	22.82%	22.96%
Epson America, Inc.	19.90%	20.02%
Brother International Corporation	5.04%	5.07%
Funai Corporation, Inc.	1.39%	1.40%
Samsung Electronic America, Inc.	1.30%	1.31%
Dell Marketing LP	0.42%	
Lexmark International, Inc.	0.07%	
Konica Minolta Business Solution USA, Inc.	0.05%	
Kyocera Document Solution America, Inc.	0.05%	
Ricoh Americas Corporation	0.01%	
Oki Data Americas, Inc.	0.01%	
Toshiba America Information Systems, Inc.	0.004%	
Panasonic Corporation of North America	0.0027%	
Xerox Corporation	0.0005%	
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.	22.514%	24.656%			
Amazon Fulfillment Service, Inc.	16.068%	17.597%	Nook Digital LLC	0.222%	
Hewlett-Packard Company	12.624%	13.825%	Google, Inc.	0.180%	
Dell Marketing LP	9.065%	9.928%	Huawei Device USA Inc.	0.105%	
Samsung Electronic America, Inc.	8.414%	9.215%	Igaming Enterprises LLC	0.087%	
Lenovo (United States) Inc.	5.805%	6.358%	Razer USA Ltd	0.070%	
Venturer Electronics Inc./Alco Electronics	4.514%	4.943%	Craig Electronics Inc.	0.052%	
Others	3.366%	0.000%	Inspire Technology Group, LLC	0.049%	
ASUS Computer International	2.975%	3.258%	Shaghal Ltd	0.048%	
LG Electronics USA, Inc.	2.431%	2.663%	Hisense USA Corporation	0.019%	
Acer America Corporation	2.337%	2.560%	Proexpress Distributor LLC	0.015%	
Cellco Partnership	1.845%	2.021%	LF Products Pte	0.015%	
Microsoft Corporation	1.663%	1.821%	Sony Electronics Inc.	0.007%	
TCT Mobile (US) Inc.	1.056%	1.157%	Double Power Tech. Inc.	0.006%	
Toshiba America Information Systems, Inc.	0.930%		Curtis International Ltd.	0.005%	
Yifang USA Inc.	0.907%		Fujitsu America, Inc.	0.003%	
Mattel, Inc.	0.741%		DPI, Inc.	0.003%	
TMAX Digital Inc.	0.564%		Vizio Inc.	0.0004%	
ZTE (USA) Inc.	0.518%		Vox International	0.0001%	
PLR IP Holdings, LLC	0.497%		Viewsonic Corporation	0.000002%	
MSI Computer Corporation	0.282%		Total	100%	100%

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

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

Market Share Determination for Monitors

Manufacturer	Percentage	Final Pro Rata*
Vizio, Inc.	18.6323%	19.68%
Hewlett-Packard Company	15.6273%	16.51%
Dell Marketing LP	13.9579%	14.74%
Samsung Electronic America, Inc.	12.0079%	12.68%
ASUS Computer International	9.7384%	10.29%
LG Electronics USA, Inc.	8.3491%	8.82%
Acer America Corporation	7.4715%	7.89%
Envision Peripherals, Inc.	4.2074%	4.44%
Others	4.1753%	0.00%
Viewsonic Corporation	3.4232%	3.62%
BenQ America Corporation	1.2596%	1.33%
Lenovo (United States), Inc.	0.6423%	
Apple, Inc.	0.2451%	
Ingram Micro Private label	0.1305%	
Hannstar Display Corporation	0.1073%	
Planar Systems, Inc.	0.0158%	
AG Neovo Technology Corporation	0.0069%	
MSI Computer Corporation	0.0024%	
Total	100%	100%

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

*All monitor manufacturers which comprise the "Others" category have market share below the de minimis threshold.

Market Share Determination for Televisions

Manufacturer	Percentage	Final Pro Rata*	Continued from Left		
			Manufacturer	Percentage	Final Pro Rata*
Samsung Electronic America, Inc.	29.31%	30.270%			
Vizio, Inc.	17.04%	17.605%	AXESS Products Corp	0.01%	
LG Electronics USA, Inc.	9.87%	10.195%	Motorola Mobility, LLC	0.01%	
Best Buy Co. Inc.	7.70%	7.958%	Averatec	0.01%	
TongFang Global Inc.	7.30%	7.536%	OSRAM SYLVANIA, Inc.	0.01%	
Funai Corporation Inc.	7.14%	7.375%	SILO Digital Corporation	0.004%	
Sony Electronics, Inc.	5.33%	5.510%	Naxa Electronics, Inc.	0.004%	
Hisense USA Corporation	5.17%	5.342%	CHANGHONG TRADING CORP USA	0.003%	
TTE Technology, Inc.	3.09%	3.194%	Lenovo (United States), Inc.	0.001%	
Others	3.18%	0.000%	Star Light Electronics Co., Ltd.	0.001%	
On Corp US, Inc./ActiveOn	1.45%	1.496%	Smart Technologies	0.001%	
Sceptre, Inc.	0.77%	0.798%	Viewsonic Corporation	0.0002%	
Curtis International Ltd.	0.69%	0.714%	Sound Around Inc.	0.0002%	
Haier America Trading, LLC	0.51%	0.525%	Seura, Inc.	0.00005%	
Hitachi America, Ltd.	0.50%	0.520%	RJ Technology, Inc.	0.00004%	
PLR IP Holdings, LLC	0.37%	0.387%	Michley Electronics Inc.	0.00003%	
Panasonic Corporation of North America	0.26%	0.265%	Voxx International Corp.	0.00003%	
JVCKENWOOD USA Corp.	0.18%	0.182%	E&S Intl. Enterprises Inc.	0.00001%	
EliteLux Technologies	0.13%	0.130%	QFX, Inc.	0.00001%	
DPI, Inc	0.06%		Atico International USA, Inc.	0.00001%	
Innovative DTV Solutions	0.06%		Venturer Electronics, Inc.	0.00001%	
China Electronics Corporation	0.05%		Craig Electronics Inc.	0.00001%	
Supersonic Corp.	0.03%		Hannstar Display Corporation	0.000002%	
UpStarUSA Group	0.03%		Russell Distribution Company, LLC	0.000002%	
SunBrite TV, LLC	0.02%		Azend Group	0.000002%	
Epson America, Inc.	0.01%		Syntex-Barillain	0.000002%	
Total				100%	100%

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

*All television brands which comprise the "Others" category have market share below de minimis threshold.

Brand Determination/ Assignment to Unregistered Manufacturers

Taken from the calendar year 2016 market share data, DEEP hereby assigns the following brands to a manufacturer as listed below. All of the additions are being made in the television category. There are no additions to make in any of the other categories. 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	Television Manufacturer
Avera Digital	China Electronics Corporation
Averatec	Averatec
Axess	AXESS PRODUCTS CORP
iVIEW	RJ Technology, Inc.
Naxa	Naxa Electronics, Inc.
Olivia	Syntex-Barillain
Pyle	Sound Around Inc.
QFX, Inc.	QFX, Inc.
Silo Digital	Silo Digital
Smart	Smart Technologies
Supersonic	Supersonics Inc.
Tivax	Michley Electronics, Inc.