



FINAL ANNUAL DETERMINATION FOR MANUFACTURERS OF COVERED ELECTRONIC DEVICES

- **Market Share Determination (calendar year 2015 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 electronic manufacturers that reported the data to ERCC.

Opportunity to Rebut Manufacturer Brand and Market Share Determination (Completed June 23, 2016)

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 June 22, 2016, 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 is posted on the “Manufacturer” section of the DEEP’s web site. As a result of two inquiries, one by Voxx International and the other by Panasonic Corporation, the following changes were made to the final market share:

- 1) Voxx International was replaced by Alco Electronics as the manufacturer responsible for the RCA branded computer tables, and Voxx International was added to the de minimis list for its responsibility for the Audiovox branded computer tablets; and
- 2) The apportioned units/ shares associated with the Sanyo branded televisions were removed from Panasonic Corporation of North America’s market share and the same apportionment of shares was applied to Funai Corporation’s market share.

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 shall also be posted on the “Recycler Information” section of DEEP’s web site on or around June 30th of each year. 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 the Department 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	53.68%	54.29%
Epson America, Inc.	19.37%	19.59%
Canon U.S.A., Inc.	18.77%	18.98%
Brother International Corporation	5.13%	5.19%
Samsung Electronic America, Inc.	1.93%	1.95%
Ricoh Americas Corporation	0.61%	
Dell Marketing LP	0.41%	
Lexmark International, Inc	0.08%	
Oki Data Americas, Inc.	0.01%	
Sharp Electronics Corp.	0.002%	
Panasonic Corporation of North America	0.001%	
Toshiba America Information Systems, Inc.	0.0002%	
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.	21.90%	24.94%			
Hewlett-Packard Company	10.44%	11.90%	Craig Electronics	0.13%	
Others	9.58%	0.00%	ZTE USA Inc.	0.10%	
Samsung Electronics America Inc.	7.96%	9.06%	Google, Inc.	0.10%	
Dell Marketing LP	7.02%	8.00%	Shanghai LTD.	0.10%	
Amazon Fulfillment Service, Inc.	6.08%	6.93%	Inspire Technology	0.09%	
LG Electronics USA Inc.	5.79%	6.59%	Double Power Technology, Inc	0.08%	
Alco Electronics/ RCA Trademark Holding	5.13%	5.84%	LePan	0.08%	
ASUS Computer International	4.79%	5.46%	LF Products Pte.	0.07	
Lenovo (United States) Inc.	4.15%	4.72%	DPI, Inc.	0.04%	
Toshiba America Information Systems, Inc.	3.57%	4.07%	China Great Wall Computer Holding LTD	0.03%	
Microsoft Corporation	3.10%	3.53%	Sony Electronics	0.01%	
YiFang U.S.A. Inc.	2.48%	2.83%	Huawei Device USA Inc.	0.01%	
Acer America Corporation	2.21%	2.52%	Archos, Inc.	0.01%	
CELLCO Partnership	2.05%	2.33%	Vizio Inc.	0.003%	
TCT Mobile (US) Inc. DBA Alcatel One Touch	1.12%	1.28%	Fujitsu America, Inc.	0.002%	
PLR Holdings LLC	0.70%		CurriculumLoft	0.001%	
FUHU INC.	0.68%		Voxx International	0.001%	
HTC America. Inc.	0.24%		Viewsonic Corporation	0.00001%	
MSI Computer Corp	0.16%		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*
Dell Marketing LP	19.6274%	21.5468%
Samsung Electronic America, Inc.	16.7733%	18.4136%
Hewlett-Packard Company	13.5460%	14.8707%
ASUS Computer International	12.3864%	13.5977%
Acer America Corp.	9.1214%	10.0134%
LG Electronics USA, Inc.	8.3568%	9.1740%
Others	8.1883%	0.00%
Envision Peripherals, Inc,	5.0676%	5.5632%
Viewsonic Corporation	3.8357%	4.2108%
BenQ America Corp.	1.1920%	1.3086%
Lenovo (United States) Inc.	1.1853%	1.3012%
Apple Inc.	0.6765%	
NEC Display Solutions of America, Inc.	0.0233%	
AG Neovo Technology Corporation	0.0202%	
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.	26.3447%	28.9553%			
Vizio, Inc.	17.6349%	19.3823%	DPI, Inc	0.0226%	
LG Electronics USA, Inc.	9.9183%	10.9011%	VIEWSONIC Corp.	0.0159%	
Others	8.6342%	0.00%	Supersonic Inc.	0.0120%	
TongFang Global Inc.	7.9507%	8.7386%	Craig Electronics	0.0115%	
Funai Corporation	5.8219%	6.3988%	SunBrite TV	0.0089%	
Sony Electronics, Inc.	5.4679%	6.0097%	AXESS PRODUCTS CORP	0.0049%	
Best Buy	3.5619%	3.9149%	Naxa Electronics, Inc.	0.0032%	
Sharp Electronics Corp	2.9569%	3.2499%	General Digital Corporation	0.0031%	
Hisense USA	2.2819%	2.5080%	Motorola Mobility, LLC	0.0025%	
ON CORP USA INC	2.1974%	2.4152%	Venturer Electronics, Inc.	0.00024%	
TTE Technology, Inc.	1.5738%	1.7297%	SILO Digital Corp.	0.0021%	
Toshiba America Information Systems, Inc.	1.1002%	1.2092%	Osram Sylvania	0.0005%	
Sceptre, Inc.	0.8901%	0.9783%	VOXX INTERNATIONAL CORP	0.0004%	
Panasonic Corporation of North America	0.6696%	0.7347%	RJ Technology, Inc.	0.0001%	
HITACHI AMERICA LTD	0.6264%	0.6884%	Sigmac	0.0001%	
Haier America Trading, LLC	0.5889%	0.6472%	QFX, Inc.	0.0001%	
Curtis International Ltd.	0.4513%	0.4960%	Starlight Electronics Co., Ltd.	0.0001%	
JVCKENWOOD USA Corp.	0.4350%	0.4782%	Michley Electronics Inc.	0.00004%	
Innovative DTV Solutions	0.3376%	0.3710%	EQD Corp	0.00001%	
PLR IP Holdings, LLC	0.1760%	0.1935%	Sound Around Inc	0.00001%	
UpStar USA Group	0.0944%		Envision Peripherals Inc	0.000005%	
TMAX Digital Inc.	0.0730%		Casio America Inc	0.000005%	
CHANGHONG TRADING CORP USA	0.0444%		Skyworth Precision	0.000002%	
Mitsubishi Electronic US, Inc.	0.0402%		VZON	0.000002%	
Sansui America Inc.	0.0390%		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 2015 market share data, DEEP proposes to assign 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 may need 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.

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 Manufacturer</u>
RCA	Alco Electronics/RCA Trademark Holding
D2	China Great Wall Computer Holding LTD
Kuno	CurriculumLoft
LePan	LePan

Brand	<u>Television Manufacturer</u>
Auria	EQD Corp
Axess	Axess Products Corp.
Casio	Casio America Inc
General Electric	General Digital Corporation
iView	RJ technology, Inc.
Naxa	Naxa Electronics, Inc.
Pyle	Sound Around Inc
QFX, Inc	QFX, Inc.
Sigmatc	Sigmatc USA
Silo Digital	SILO Digital Corporation
Skyworth	Skyworth Precision Technology Co., Ltd.
Supersonic	Supersonic Inc.
Tivax	Michley Electronics Inc.
VZON	VZON