



July 1, 2023

**FINAL ANNUAL DETERMINATION FOR MANUFACTURERS
OF COVERED ELECTRONIC DEVICES**

- **Market Share Determination (calendar year 2022 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, Printers and Monitors 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 14, 2023)

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 15, 2023 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 14, 2023. While DEEP or ERCC did not receive any rebuts from manufacturers or their representatives during the rebuttal period about the proposed market share determination for 2022, DEEP made two adjustments for the final market share: 1) removed Nokia brand computer from Nokia Solutions & Networks US LLC (“Nokia”) and assigned it to Microsoft Corporation, according to a notification from Nokia dated on May 16, 2023; and 2) modified Rakuten Kobo Inc. (“Rakuten”)’s computer market share after having received Rakuten’s self-report during the rebuttal period. No other changes to the proposed market share were necessary before the Commissioner made this 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 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.

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.

Final Market Share Determination for Printers

Manufacturer	Percentage	Final Pro Rata*
Hewlett Packard Company	59.966%	60.50%
Epson America, Inc.	17.623%	17.78%
Canon USA, Inc.	16.656%	16.80%
Brother International Corporation	4.880%	4.92%
Pantum USA	0.685%	*
Xerox Corporation	0.111%	*
Lexmark International, Inc.	0.068%	*
Kyocera Document Solution America, Inc.	0.005%	*
Ricoh Americas Corporation	0.004%	*
Sharp Electronics Corp.	0.002%	*
Toshiba America Information Systems, Inc.	0.0003%	*
Total	100%	100%

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

Final Market Share Determination for Computers

Manufacturer	Percentage	Final Pro Rata*	*Continued from Left		
Manufacturer	Percentage	Final Pro Rata*	Manufacturer	Percentage	Final Pro Rata*
Apple Inc.	36.36%	39.1935%			
Amazon.com Service, Inc.	17.25%	18.5974%	LG Electronics USA, Inc.	0.34%	*
Hewlett Packard Company	7.78%	8.3899%	SHAGHAL LTD	0.15%	*
Samsung Electronics America, Inc.	7.17%	7.7343%	Craig Electronics Inc.	0.07%	*
Others*	5.78%	0%	Google, Inc.	0.06%	*
Lenovo (United States) Inc.	5.36%	5.7821%	Razer Inc.	0.05%	*
Dell Marketing LP	4.60%	4.9537%	Kidz Delight Ltd	0.04%	*
TCT Mobile (US) Inc.	3.99%	4.3066%	RJ Technology	0.03%	*
ASUS Computer International	3.38%	3.6392%	Aava Mobile US, LLC	0.01%	*
Walmart Inc.	2.99%	3.2212%	DPI, Inc.	0.003%	*
Acer America Corporation	2.22%	2.3940%	Wacom Technology Corporation.	0.001%	*
Microsoft Corporation	1.66%	1.7882%	Fujitsu America, Inc.	0.0005%	*
MSI Computer Corp.	0.65%	*	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. The market share associated with the "Others" category is assigned to all manufacturers above the de minimis threshold on a pro rata share basis.

Final Market Share Determination for Monitors

Manufacturer	Percentage	Final Pro Rata*
Samsung Electronics America, Inc.	18.69528%	20.7963%
LG Electronics USA, Inc.	14.58615%	16.2254%
ASUS Computer International	12.69434%	14.1210%
Dell Marketing LP	10.41324%	11.5835%
Acer America Corporation	10.28531%	11.4412%
Hewlett Packard Company	10.26389%	11.4174%
Others*	7.76300%	0%
Walmart, Inc.*	3.18550%	3.5435%
Envision Peripherals, Inc.	3.12705%	3.4785%
MSI Computer Corp.	2.75607%	3.0658%
Viewsonic Corp.	2.42390%	2.6963%
BenQ America Corporation	1.46630%	1.6311%
Lenovo (United States), Inc.	0.76860%	*
Wacom Technology Corporation	0.62487%	*
Element TV Company, LP	0.38695%	*
Apple, Inc.	0.36271%	*
Planar Systems, Inc.	0.14427%	*
Ingram Micro Private Label	0.02464%	*
Razer Inc.	0.01241%	*
AG Neovo Technology Corp.	0.01220%	*
Funai Corporation, Inc.	0.00191%	*
EIZO Inc.	0.00134%	*
Liyama Corporation, Ltd	0.00009%	*
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 1.0% de minimis threshold. The market share associated with the "Others" category is assigned to all manufacturers above the de minimis threshold on a pro rata share basis.

* Data were not available for sales of Walmart monitors during 2021 and 2022. This data gap is under administrative review. To fill this data gap in the monitors category, DEEP repeated the market share value from the sales of Walmart monitors during the previous year (2021), or 3.1855%. Repeating the 2021 market share value is reasonable as the sales of Walmart monitors have been stable according to the best available information and previous sales data (i.e. 2.9% in 2019 and 3.1% in 2020).

Final Market Share Determination for Televisions

Manufacturer	Percentage	Final Pro Rata*	*Continued from Left		
Manufacturer	Percentage	Final Pro Rata*	Manufacturer	Percentage	Final Pro Rata*
Samsung Electronics America, Inc.	24.07950%	24.25%	Manufacturer		
TTE Technology, Inc	13.84367%	13.94%	Supersonic, Inc.	0.00983%	*
LG Electronics USA, Inc.	12.97336%	13.07%	SunBriteTV, LLC	0.00881%	*
Vizio, Inc.	12.26089%	12.35%	beFree Sound	0.00600%	*
Hisense USA Corporation	11.31490%	11.40%	Peerless AV	0.00588%	*
Walmart Inc.*	8.27381%	8.33%	Trexonic	0.00532%	*
Best Buy	7.69316%	7.75%	BOLVA TV	0.00479%	*
Sony Electronics, Inc.	3.45598%	3.48%	Konka North America, LLC	0.00205%	*
Funai Corporation, Inc. (P&F USA, Inc.)	3.23800%	3.26%	Naxa Electronics, Inc	0.00142%	*
Element TV Company, LP	1.02492%	1.03%	ASA Electronics (Jensen)	0.00137%	*
Westinghouse Electronics USA	0.75621%	0.76%	PLR IP Holding, LLC	0.00130%	*
Others*	0.43546%	0%	Sound Around Inc. (Pyle)	0.00125%	*
JVCKENWOOD USA Corp.	0.19634%	0.20%	Seura, Inc.	0.00024%	*
Sceptre, Inc.	0.17566%	0.18%	ATYME Corporation	0.00008%	*
Elitelux Technologies (former Sansui)	0.09564%	*	Seiki Corporation	0.00004%	*
Curtis International Ltd.	0.07772%	*	Imation Corp.	0.00003%	*
Skyworth USA Corp.	0.02775%	*	China America Electronics Inc. (Avera Digital)	0.00003%	*
Furrion Inc.	0.01727%	*	Infocus Corp. (Infocus)	0.00002%	*
DPI Inc.	0.01128%	*	Total	100%	100%

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

* All Television manufacturers which comprise the "Others" category have market share below the 1.0% de minimis threshold. The market share associate with the "Others" category is assigned to all manufacturers above the de minimis threshold on a pro rata share basis.

* Data were not available for sales of Walmart televisions during 2021 & 2022. This data gap is under administrative review. To fill this data gap for the televisions category, DEEP assumed that Walmart sales during 2021 and 2022 are reflected in the Others category. This assumption is reasonable as there was no Others category in the previous 4 years before 2021 for the market share data of the televisions category. For an Others category to be present the same year that Walmart's data are unavailable, signals that the Walmart sales are a major part of the Others category. DEEP chose to use 95% of the value from the Others category, acknowledging that there could be other, small sales volume brands in the Others category.

Brand Determination/ Assignment to Unregistered Manufacturers

Taken from the calendar year 2021 market share data, DEEP proposes to assign the following brands to a manufacturer as listed below. None of the brands or manufacturers listed below are currently registered with the DEEP.

Following the receipt of any rebuttal information, the DEEP Commissioner shall make her final determination and shall notify each manufacturer of this determination. Brands and manufacturers will be added to [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.

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, Connecticut law requires you to register the brand(s) on a form prescribed by the Commissioner. See [Manufacturer's Registration Form and Instructions](#) posted on DEEP's web site for manufacturer registration information.

For more information on a manufacturer's responsibility to register CEDs in Connecticut, see [RCSA section 22a-638-1\(o\)](#).

Brand	Printer Manufacturer
Pantum	Pantum USA

Brand	Monitor Manufacturer
Liyama	Liyama Corporation Ltd.

Brand	Computer Manufacturer
Aava	Aava Mobile US, LLC
iView	RJ Technology, Inc.

Brand	Television Manufacturer
Avera Digital	China America Electronics Corporation
beFree Sound	BeFree Sound
Bolva	Bolva TV
Furrion	Lippert Components, Inc.
Infocus Software	Infocus Corp.
Jenson	ASA Electronics
Naxa	Naxa Electronics, Inc.
Pyle	Sound Around Inc.
Trexonic	Trexonic
Supersonic	Supersonic Inc.