

ANNUAL DATA - GOLD

ANNUAL | 2015

LG Electronics, USA

Please submit all numbers in tons.

An asterisk (*) denotes a required field. Participants cannot submit the data form until all fields marked with an asterisk are complete.

Total Collected for Reuse & Recycling from all Streams

Total Collected for Reuse & Recycling: 1 24,233.70 *tons*

Equipment: 2 * 24,144.99 *tons*

Cell Phones and other Mobile Devices: 3 * 32.56 *tons*

Accessories: 4 * 56.15 *tons*

Total: 24,233.70 *tons*

Recycling Data

Total sent to third-party certified recyclers from All Streams: 5 * 24,233.70 *tons*

Percentage sent to third-party certified recyclers: 100.00 %

Has collection increased compared to the previous year? *

Yes

No

Please explain company-specific contributing factors (e.g. decrease weight in electronic devices). *

1. Total decrease weight in electronic devices 1) 2014 = 49,192,758 lbs. 2) 2015 = 48,466,831 lbs. 3) Decrease = 725,926 lbs. Detailed explanation] 2. Reduced consumers' repair request in our service center than previous year 1)2014 = 934,701 lbs. 2)2015 = 535,998 lbs. 3)Decreased weight = 398,703 lbs. 3. Because (maybe) our sales weights have decreased, CTA had set our 2015 target lower than the 2014 . 1) 2014 = 7,450,000 lbs. 2) 2015 = 6,856,072 lbs. 3) Decreased weight = 593,928 lbs.

Will you include this explanation in the final publicly-posted report? (Note: You WILL NOT be penalized for not achieving an increase in collection if the rationale is publicly posted). *

Yes

No

State Reporting Data

Total Collected for reuse and recycling from all streams (Note: The total from the below categories should equal the total recycled)

Weight of electronics collected in states with take-back laws explicitly to meet these laws. *

20,327.89 *tons*

Weight of electronics that exceeds state take-back laws, collected in states with take-back laws. *

2,545.48 *tons*

Weight of electronics collected in states without take-back laws. *

1,360.05 *tons*

Weight of electronics collected but not attributable to a specific state (e.g., collected by mail-back program, regional agreement, or other method that does not allow a company to track). *

0.29 tons

Please use this space to convey any details to EPA about your approach for arriving at your state data (i.e., with and without take-back laws) and any company-specific contributing factors and other useful information (e.g., did your company sell pounds to other OEMS? if so, how many?) *

1) Weight of electronics collected in states for regular take back program to meet state regulation and CEA e-cycle program for voluntary program : 23,933.43 tons * Connecticut, Maine, Vermont, Washington collections are estimated by state program 2) Weight of electronics collected in state by voluntary collection event : 30.28 tons 3) Weight of electronics collected in our service center (Alabama and Texas) : 268 tons 4) Weight of electronics collected in our office (California, Illinois, Michigan, New Jersey) : 1.72 tons

Did your company increase collection, recycling and/or reuse in at least one state without a take-back law? *

Yes

No

Provide a specific state without a take-back law and actual data (i.e., not derived from an estimate) in which you achieved a total increase in recycling. *

Ohio

Previous Year's Data: *

450.00 tons

Current Year's Data: *

515.00 tons

Please explain how you achieved this increase in the text box below. *

LG joined CEA (Consumer Electronics Association) e-cycling leadership initiative in 2015, and LG recycled 100% of consumer electronics recycling goals set by CEA for 2015 including Ohio. We contracted with our own recycler, Waste Management, and processed the tack back activity in Massachusetts from the beginning of the year 2015

Reporting Requirements

Mass Balance/Tracking Throughput

Have you verified that all recycling vendors used by your company are required to fully account for the organization's used electronics as they enter and leave each facility used? *

Yes

No

Provide the methodology used for verification: *

LG issued our own audit check-list and performed paper audit for all facilities during July 2015-August 2015.

Beyond 3rd Party Certification Standards

List company policies or programs for vendors that go beyond third-party certification standards, and verify that the policies are followed by each recycler used. *

LG Electronics contracts only with recycling vendors who meet our requirements: • Do not incinerate electronic waste or dispose of it in a landfill • No electronic waste may be exported to developing countries • No prison labor can be employed during any phase of the recycling of electronic waste • Recyclers must have sound environmental management systems • Recycling vendors are audited to the requirements of the e-Stewards standards LG Electronics is the first "Global e-Stewards Enterprise", a company committed to responsible recycling of its electronic waste and choosing to use e-Stewards certified electronic recyclers worldwide.

Our company has verified that all of these policies and/or programs are being followed by each recycler used. *

Yes

No

Website where company policies or programs that go beyond third-party certification standards are listed (optional):

Due Diligence

Have you verified that your company conducts due diligence to ensure that the recycler of first entry into the system, as well as any vendors receiving materials after the initial recycler (i.e., downstream vendors), either:

- are certified to an established third-party certification standard, or
- are examined by the company's auditors at least semi-annually to ensure safe management practices?

If a certifying body conducts an annual audit, only one additional in-person or paper audit is required per year. *

Yes

No

Provide the methodology used for verification: *

LG issued our own audit check-list and performed paper audit for all facilities during July 2015-August 2015.

Certified Recyclers and Programs *

Is this information included in the final, publicly-posted report? *

Yes

No

List names of certified recycler(s) used and certification programs:

	CERTIFIED RECYCLER NAME *	CERTIFIED RECYCLER LOCATION - CITY, STATE, COUNTRY (IF APPLICABLE) *	CERTIFIED PROGRAM *
1	Electronic Recyclers International, Inc. [ERI]	Fresno, CA 93711 USA	R2 and e-Stewards
2	WM Recycle America, L.L.C. [WMRA]	Charlotte, NC 28216 USA	R2 and e-Stewards
3	Vintage Tech Recyclers, L.L.C. [Vintage Tech]	Plainfield, IL 60544 USA	R2 and e-Stewards
4	East Coast Telecom, LLC (ECT)	Fort Oglethorpe, GA, 30742 USA	R2 and e-Stewards
5	3R Network Inc.	Chino, CA 91710 USA	R2 and e-Stewards
6	GEEP Inc.	Redford, MI 48239 USA	R2 and e-Stewards
7	ECS Refining, LLC	Mesquite, TX 75149 USA	R2 and e-Stewards
8	Hesstech	Edison, NJ 08817 USA	e-Stewards

Education & Outreach

List and describe public education and outreach activities on safe management of used electronics and available collection opportunities. *

LG Electronics has partnered with ERI, WMRA, Vintage Tech Recyclers to establish a national recycling program to collect, transport and recycle electronic waste. During 2015 undertook a significant redesign of the LG Recycling Program website to include more information which the consumer could locate more easily. The website describes the rationale for, and elements of, the program and provides consumers with information regarding free and convenient ways of recycling their used, unwanted, obsolete or damaged consumer electronic products. The site describes the free mail-back program for electronic equipment, cell phones, other handheld devices, and packaging and lists designated eCycling Centers where consumers can drop off their unwanted electronic devices. In addition, the website provides toll-free numbers for our Recyclers' Customer Service and LG Customer Service, as well as Frequently Asked Questions. All electronic products collected under the LG Electronics Recycling Program are recycled in an environmentally sound manner. LG's recycling partners, WMRA, Vintage Tech and ERI are signatories of the Basel Action Network (BAN) Recycler's Pledge of True Stewardship, e-Stewards certified, and maintain environmental quality systems accredited to the requirements of ISO 14001. Consumers may drop off unwanted consumer electronic products, including televisions, monitors, netbooks, tablets, audio equipment, video cassette players and recorders, DVD players and recorders, combination TV/VCR and

TV/DVD units, set top boxes and accessories associated with those products.

Website where public education and outreach activities are listed (optional):

<http://www.lgrecyclingprogram.com/> *Ensure website address begins with http:// or https://*

Company Policies Favoring Recycling and Reuse

List and describe company policies that favor recycling and reuse of electronics equipment and/or components, as opposed to energy recovery, incineration, or land disposal. *

1. **Product Take-back regulation compliance:** LG Electronics offers a customized e-waste take-back & recycling service that meets local needs and requirements in the countries where e-waste regulations are in place, and also provides product take-back & recycling service voluntarily in some regions. LG Electronics evaluates products' recyclability at the design step selectively, with the goal of improving recyclability where practicable. Through these activities, LG seeks to contribute to conserving natural resources and protecting the environment. Please visit at our global environmental website for the further information. <http://www.lg.com/global/sustainability/environment/take-back-recycling//> 2. **Recyclability Improvement:** LG Electronics has an internal process in place to manufacture products while taking environmental issues such as product decomposition and recyclability into consideration from the product development stage and uses evaluation and support tools such as recycling checklists. Please visit at our global environmental website for the further information. <http://www.lg.com/global/sustainability/environment/greener-products/green-product-strategy>

Website

List website where EPA provided baseline/annual tier data is publicly posted: *

<http://blog.lgrecyclingprogram.com/> *Ensure website address begins with http:// or https://*

Notes:

1. Total Collected for Reuse and Recycling: This is the total amount of used electronics collected for reuse and recycling, including the amount sent to certified and non-certified recyclers. It can include company assets, business to business, warranty returns, and electronics collected and/or purchased to meet state take-back laws. See below for definitions of "reuse" and "all streams".

2. Equipment: Defined as electronics equipment such as central processing units (CPUs), desktops, laptops, televisions, printers, monitors, copiers, fax machines, scanners, imaging equipment, radios, tablets, e-readers, slates, netbooks, and heavy equipment such as servers. It further includes any other or new (future) types of equipment that are designed primarily to store or convey information electronically and have a 4-inch screen or larger measured diagonally.

3. Cell Phones & Other Mobile Devices: Defined as electronic equipment such as cell phones, personal digital assistants (PDAs), organizers, tablets, e-readers, slates, smart phones, compact disc players, gaming systems, calculators, and MP3 devices. It also includes any other or new (future) types of equipment that are designed primarily to store or convey information electronically and that are lightweight, mobile in design, and have a 4-inch screen or less measured diagonally.

4. Accessories: Defined as headphones, speakers, CDs, printers, toner cartridges, USB sticks, keyboards, game system accessories, cables, chargers, and other small, miscellaneous items as defined by the Participant. It further includes any other or new (future) types of accessories to either the equipment or cell phone and other mobile devices equipment. The participant is welcome to provide a separate breakout of any of the items listed as accessories.

5. Total sent to third-party certified recyclers: For the purposes of the SMM Electronics Challenge, the term "recycler" denotes refurbisher or recycler certified to a recognized third-party certified recycling program. Similarly, the term "recycling" denotes recycling, refurbishment and reuse. Currently, Responsible Recycling Practices (R2) and e-Stewards are the only recognized certification standards for recyclers. However, EPA may recognize additional standards at a later date. Also see definition of 'all streams' below.

Reuse: Denotes an electronics object, or component of an electronics object that is used again by a different owner either for its original purpose or for a similar purpose, without significantly altering the physical form of the object or material. The electronics object may be cleaned, repaired, or refurbished between uses.

All Streams: Denotes used electronics collected for recycling or reuse from the various return streams used by the participant. Streams could include consumer take-back programs, asset recovery programs, retired lease returns, collection events, or trade-in programs.

Baseline: The year a participant joins the challenge. Annual results are compared to the baseline as well as preceding years' results.

