

# BASELINE DATA - GOLD

LG Electronics, USA

Please submit all numbers in metric tons.

## Used Electronics Collection Data

Total Used Electronics: \*

17,204.55 *metric tons*

Used Electronics Breakout

Businesses & Institutions: <sup>1</sup> \*

0.00 *metric tons*

Consumers: <sup>2</sup> \*

17,204.55 *metric tons*

Total:

17,204.55 *metric tons*

Non-Voluntary Channels: <sup>3</sup> \*

435.92 *metric tons*

Voluntary Channels: <sup>4</sup> \*

16,768.63 *metric tons*

Total:

17,204.55 *metric tons*

## Total Collected for Reuse & Recycling from all Streams<sup>5</sup>

Equipment: <sup>6</sup> \*

17,062.84 *metric tons*

Cell Phones and other Mobile Devices: <sup>7</sup> \*

30.82 *metric tons*

Accessories: <sup>8</sup> \*

0.00 *metric tons*

Total:

17,093.66 *metric tons*

Your reported breakout of equipment, cell phones + other mobile devices and accessories does not match your reported total collected for reuse and recycling. If this is a mathematical or reporting error, please revise your reported numbers. If this is not a mathematical or reporting error, please provide a written explanation for the difference between the two totals.

LG Electronics did not include the reuse and resale quantity (directly reused or repaired for resale and reuse) in calculating the percentage sent to third-party recyclers. Reuse and resale quantity was managed by non-certified facilities. EPA Staff backed the reuse/resale quantity 555.69 metric tons out of the calculation of total used electronics. 1. Total collected for reuse & recycling from all streams: 17,204.55 (recycling)+ 555.69(reuse) = 17,760.24 2. Total sent to all recyclers (both third-party certified recyclers & non-third-party certified recyclers): 16,768.63 + 435.92 = 17,204.55 3. Total sent to only third-party certified recyclers: 16,768.63 (Equipment) + 294.21(Equipment) + 30.82 (Cell phones) = 17,093.66 4. Total sent to non-third-party certified recyclers: 110.89 5. Reuse or Resale quantity: 555.69

## Recycling Data

Total sent to third-party certified recyclers from All Streams: <sup>9</sup> \*

17,093.66 *metric tons*

Percentage sent to third-party certified recyclers:

100.00 %

State by State Reporting (Data must be included for all 50 states)

STATE	TOTAL METRIC TONS COLLECTED: *	% OF TOTAL THAT IS DERIVED FROM AN ESTIMATE: *	EPISODIC COLLECTION EVENT(S): 13 *	PERMANENT COLLECTION SITE(S): 14 *	DESCRIPTION OF METHODOLOGY USED FOR ESTIMATING DATA, IF APPLICABLE:
Alabama	725.29	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	added .78 national take back pounds to total from Alabama
Alaska	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Arizona	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Arkansas	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
California (has take-back law)	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Colorado	0.16	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Connecticut (has take-back law)	392.45	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Delaware	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Florida	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Georgia	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Hawaii (has take-back law)	99.02	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Idaho	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Illinois (has take-back law)	1,279.07	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Indiana (has take-back law)	1,274.02	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Iowa	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Kansas	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Kentucky	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Louisiana	3.81	0.00	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Maine (has take-back law)	374.57	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Maryland (has take-back law)	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Massachusetts	12.68	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Michigan (has take-back law)	1,294.01	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	

Minnesota (has take-back law)	1,174.44	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mississippi	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Missouri (has take-back law)	45.36	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Montana	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Nebraska	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Nevada	5.88	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
New Hampshire	0.14	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
New Jersey (has take-back law)	984.57	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
New Mexico	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
New York (has take-back law)	1,784.20	0.00	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
North Carolina (has take-back law)	1,268.11	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
North Dakota	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Ohio	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Oklahoma (has take-back law)	69.68	0.00	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Oregon (has take-back law)	1,292.49	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Pennsylvania (has take-back law)	1,064.11	0.00	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Rhode Island (has take-back law)	150.46	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
South Carolina (has take-back law)	475.90	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
South Dakota	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Tennessee	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Texas (has take-back law)	1,910.57	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Utah (has take-back law)	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Vermont (has take-back law)	125.35	100.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	Vermont* estimated pounds because of the state program
Virginia (has take-back law)	45.36	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Washington (has take-back law)	1,100.30	100.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	Washington* estimated pounds because of the state program

West Virginia (has take-back law)	9.46	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Wisconsin (has take-back law)	798.78	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Wyoming	0.00	0.00	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>Total</b>	<b>17,760.24</b>				

If you have additional information or details that you would like to convey regarding the state-by-state breakdown of information, please use this space to convey that information to EPA.

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## Other 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 Electronics, through its mandatory audit procedure, requires recycling vendors to provide sufficient evidence to reasonably conclude that the recycler labels and sorts equipment and components it ships downstream in a manner sufficient to track throughput through documentation, including commercial contracts, bills of lading, or other commercially-accepted documentation for all transfers of equipment, components, and materials into and out of its facility, as well as for any brokering transactions.

### 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 e-waste or dispose of it in a landfill • No e-waste may be exported to developing countries • No prison labor can be employed during any phase of the recycling of e-waste • Recycler(s) must have environmental movement systems • Recycling vendors are audited to the requirements of ISO 14001, R2 and 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 electronics 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):

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

## Due Diligence

Have you verified that your company conducts due diligence to ensure that the certified recycler of first entry into the system, as well as vendors receiving materials after the examined by the company's auditors at least semi-annually to ensure safe management practices? (If a certified 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 Electronics, through its mandatory audit procedure, requires recycling vendors to provide sufficient evidence to reasonably conclude that the recycler sends all its removed Focus Materials (FMs), and whole or shredded equipment and components containing FMs that have not been removed, to downstream vendors whose onsite practices and selection of downstream vendors are fully consistent with the FMs section of the recycler's Environmental Health & Safety Management System (EH&SMS). In addition, the recycler is required to provide sufficient evidence that the downstream vendors possess and/or conform to: ■ the R2 and e-Stewards recycler's FM Management Plan ■ a documented EH&SMS ■ a list of its environmental permits ■ reuse provisions ■ exporting requirements ■ tracking throughput requirements

## 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 PROGRAM *
1	Electronics Recycling International	R2 and e-Stewards
2	Metech Recycling	R2 and e-Stewards
3	WM Recycle America (WMRA)	R2 and e-Stewards
4	Materials Processing Corporation (MPC)	R2 and e-Stewards
5	Vintage Tech Recyclers	R2 and e-Stewards
6	East Coast Telecom	R2

## Education & Outreach

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

The LG Electronics Recycling Program 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, regardless of brand. The site describes the free mail-back program for cell phones and other handheld devices, 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.

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

<http://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. \*

"LG ELECTRONICS' ENVIRONMENTAL PRODUCT POLICY LG Electronics is committed to providing a better experience for its customers, by contributing to environmental protection efforts, and offering green values. We, at LG Electronics, will: 1) Comply with international

conventions, standards, and local laws associated with the environment and engage in voluntary activities to improve the environment. 2) Develop and implement a system to reduce greenhouse gas emissions, measure and improve the performance of this system, and always make the results available to the public. 3) Identify and meet the needs of green consumers, by promoting the sustainability of our products and stimulating the consumption of greener products. 4) Make all manufacturing processes, throughout the product life cycle, comply with environmental protection initiatives. 5) Recognize eco-friendliness as a vital part of product development and manufacturing, and take preventive measures to minimize the environmental impact throughout a product's life cycle, including raw materials, production, use, and disposal. 6) Take the lead in establishing a sustainable society by developing new environmental and energy businesses. 7) Educate our employees on green issues and environmental initiatives while teaching them to develop greener products and reduce greenhouse gases. 8) Expand cooperation with our stakeholders to protect the environment."

## Website

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

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

Notes:

**Businesses & Institutions:** The amount of used electronics collected for recycling and/or reuse from businesses and institutions, or from the management of the IT equipment associated with the participant's own operations and off spec production waste.

**Consumers:** The amount of used electronics collected for recycling and/or reuse from consumers at collection sites, through episodic collection events, or through mail-back programs.

**Non-Voluntary Channels:** The amount of used electronics collected for recycling and reuse via contractual activities, such as leasing transactions, warranty returns, or from the management of the IT equipment associated with the participant's own operations.

**Voluntary Channels:** The amount of used electronics collected for recycling and reuse via non-contractual activities, such as consumer collection events or take-back programs. This could include both business and consumer data and electronics collected in association with State take back laws.

**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 should equal the sum of the amount collected from businesses and institutions and the amount collected from consumers. Similarly, it also should equal the sum of the amount collected via non-voluntary channels and voluntary channels. Also see below for definitions of 'reuse' and 'all streams'.

**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.

**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, 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.

**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.

**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 including: consumer takeback programs; asset recovery programs; retired lease returns; collection events; trade-in programs; etc.

**Baselines:** Previous year's results become baseline for the following year.



**Episodic Collection Sites:** Defined as collection points (including periodic public events such as Earth Day or sporting events) that are available to consumers episodically and not in a permanent, year-round basis.

**Permanent Collection Sites:** Defined as collection points operated by the organization (including physical location or mail-in programs) where consumers have access to used electronics collection on a year-round basis.

Response created on: Mar 5, 2014 at 10:59 AM EST by Johnson.janice@epa.gov

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