

ANNUAL DATA - GOLD

ANNUAL | 2019

Sony Electronics, Inc

Please submit all numbers in tons or units, as indicated. Note that reporting in tons is required (*), while reporting in units is optional.

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 10,012.87 **tons**

Total Units Collected for Reuse and Recycling (optional):

Equipment: 2 (optional) * 10,012.87 **tons**

Units of Equipment Collected for Reuse and Recycling (optional):

Cell Phones and other Mobile Devices: 3 (optional) * 0.00 **tons**

Units of Cell Phones / Mobile Devices Collected for Reuse and Recycling (optional):

Accessories: 4 (optional) * 0.00 **tons**

Units of Accessories Collected for Reuse and Recycling (optional):

Total: 10,012.87 **tons**

Total Units:

Reuse and Recycling Data

Total sent to third-party certified recyclers from All Streams: 5 * 10,012.87 **tons**

Total Units sent to third-party certified recyclers (optional):

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). *

Sony did reduce weight by 2,147.27 tons from 2019 to 2018. Due to our reduction in sales over the past few years as well as a reduction in available volumes in most states due to a reduction in CRTs and lightweighting of products overall, our requirements in States with Take Back Laws reduced from 11,411.55 tons in 2018 to 9,336.05 tons in 2019. This was a reduction of 2,075.5 tons. Sony's refurbishment program also decreased by 112.94 tons, we believe that this is due to both a combination of reduced sales as well as a focus on higher quality product. This did not impact our additional collections as we increased the volume of material collected outside of Take Back Programs. Sony has continued to expand its collection programs including expansion of collections in Delaware, Ohio, and Colorado. In addition, Sony has supported collection events in Hawaii.

Gold participants are required to increase collection each year of all used electronics collected for reuse and recycling to third party certified recyclers. Please contact EPA if you have questions about this requirement.

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. *

9,336.05 **tons**

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

336.62 **tons**

Total Units collected in states with take-back laws (optional):

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

340.20 **tons**

Total Units collected in states without take-back laws (optional):

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). *

0.00 **tons**

Total Units collected but not attributable to a specific state (optional):

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?) *

Data obtained through information provided on invoices submitted by recyclers. In addition, total pounds from TV and playstation repair and refurbishing operation scrap is accurate however, population per state was used to allocate per state.

Did your company increase collection, recycling and/or reuse in two states without take-back laws? *

☒ Yes

☐ No

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

State: *

Colorado

Previous Year's Data: *

13.49 **tons**

Previous Year Total Units collected (optional):

Current Year's Data: *

46.01 **tons**

Current Year Total Units collected (optional):

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

In addition to Sony's TV and Playstation repair and refurbishment programs, Sony has worked with ERI to continue to expand its collection program in the state to accept Sony products.

State: *

Ohio

Previous Year's Data: *

27.25 **tons**

Previous Year Total Units collected (optional):

Current Year's Data: *

28.07 **tons**

Current Year Total Units collected (optional):

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

In addition to Sony's TV and Playstation repair and refurbishment programs, Sony has worked with ERI to find collection locations in the state to accept Sony

Reporting Requirements

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: *

Sony's recyclers are certified to either of the 2 standards. In addition, I personally audited or inspected our primary service provider, ERI using the ISO14001-2015 standard as my format.

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	ERI	Plainfield, IN, Fresno, CA, Holliston, MA, Badin, NC, Flower Mound, TX, Aurora, CO	E-stewards and R2
2	Arrow Recovery Group	Fremont, CA	R2
3	Call2Recycle	Items sorted and sent to several different recyclers depending on item type: Inmetco (Ellwood City, PA, USA); Glencore Xstrata (Sudbury, ON, Canada); Gopher Resource (Eagan, MN, USA); Wireless Alliance (Boulder, CO, USA)	R2

Education & Outreach

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

Please see www.sony.com/ecotrade. This website offers consumers a way to find a certified recycler based on their zip code. If product <25 pounds they are offered free shipping and can mail scrap to certified recycler. Also see https://www.sony.net/SonyInfo/csr_report/ for complete information on Sony's efforts around sustainability.

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

<http://www.sony.com/ecotrade> *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. *

By definition, certified recyclers must adopt and pursue policies preferring recycling and reuse over beneficial uses. It is notable that Sony prefers beneficial use when it can be demonstrated that recycling of toxics increases threat to human health or that an unjustifiable amount of energy would be required to accomplish recycling.

Website

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

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

Upstream Communication & Innovation

Answer two of the three questions.

How do you influence supplier behavior (e.g. in the areas of materials selection, design for product longevity, reuse and recycling, energy conservation, end-of-life management and corporate performance)?

Since 2003, Sony has required suppliers to submit data on raw materials and parts showing they are in compliance with Sony's ban on toxics.

Website where company activities or programs are listed (optional):

Ensure website address begins with http:// or https://

How have you helped customers reduce their electronics packaging waste (e.g., through creative packaging design, innovative material choices, and better logistics)?

Sony has moved its playstation product packaging away from rigid plastics to recyclable cardboard package or utilized post consumer recycled plastics.

Website where company activities or programs are listed (optional):

<https://www.playstation.com/en-gb/footer/about-us/playstation-and-the-environment/>

Ensure website address begins with http:// or https://

How do you encourage customers (including large purchasers) to buy sustainable or "green" electronics products?

Website where company activities or programs are listed (optional):

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", "all streams" and "units".

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, 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.

Units: Individual items collected for reuse and recycling, including equipment (e.g., televisions, computers, printers), cell phones and mobile devices (e.g., smartphones, tablets, MP3players), and accessories (e.g., USB drives, headphones, keyboards).

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