

E-Cycle Wisconsin program updates

Stakeholder webinar

April 4, 2024

Sarah Murray, E-Cycle Wisconsin program coordinator



2023 Wisconsin Act 108



Expands the definition of “peripheral” to include devices used for input to/output from video display devices.



Increases manufacturer registration fees beginning with the registration due March 1, 2025.



Changes the formula used to set electronics manufacturers’ annual recycling targets.



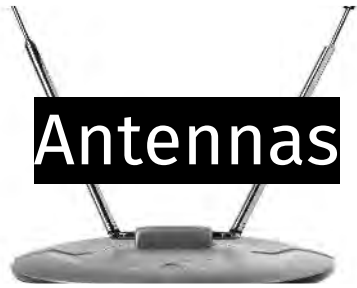
Directs DNR to create rules for “good faith progress” toward meeting a manufacturer’s recycling target.

Updated definition of “peripheral”

Peripherals are **eligible** devices, not **covered** devices, and do not need to be registered.

287.17 **(1)** (j) “Peripheral” means a keyboard or any other device, other than a consumer printer, that is sold exclusively for external use with a consumer computer or consumer video display device and that provides input into or output from a consumer computer or consumer video display device.

Video display peripheral examples



Antennas



A/V cords



Cable/satellite boxes



Cables



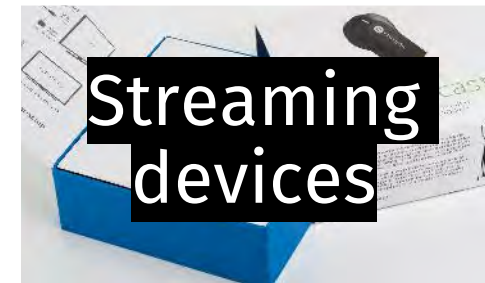
Home theater components



Remote controls



Security cameras



Streaming devices

Electronics eligible under E-Cycle WI

- ▶ Cellphones, other phones with a video display and battery-operated phone accessories
- ▶ Computers (desktop, laptop and netbook computers)
- ▶ Desktop printers, 3D printers and fax machines
- ▶ Computer monitors
- ▶ Other computer accessories (e.g., keyboards, mice, speakers, external hard drives)
- ▶ Tablets and e-readers
- ▶ TVs
- ▶ DVD players, VCRs and other video players
- ▶ Other TV/monitor accessories
- ▶ Video game consoles
- ▶ Battery-operated video game components and portable hand-held gaming devices

Which Electronics Can I Recycle Under E-Cycle Wisconsin?



Wisconsin households and K-12 schools may recycle electronics through E-Cycle Wisconsin. The following electronics are accepted under E-Cycle Wisconsin. Many collection sites also accept other items. To find a collection site or mail-back program, visit dnr.wi.gov and search "ecycle."



dnr.wi.gov, search "e-cycle"

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Manufacturer registration fees

< 375 devices: \$0
375 to 749 devices: \$1,875
750 or more devices: \$7,500

Based on covered electronic devices sold to Wisconsin households and schools

2025

2024

< 250 devices: \$0
250 to 549 devices: \$2,500
550 or more devices: \$5,500

Manufacturer target formula changes

Before

- ▶ 80% of weight sold to WI households and schools during program year beginning 2 years earlier (e.g., 2022 sales set 2024 target)
 - ▶ 2024 target would have been ~27.2 million pounds

Now

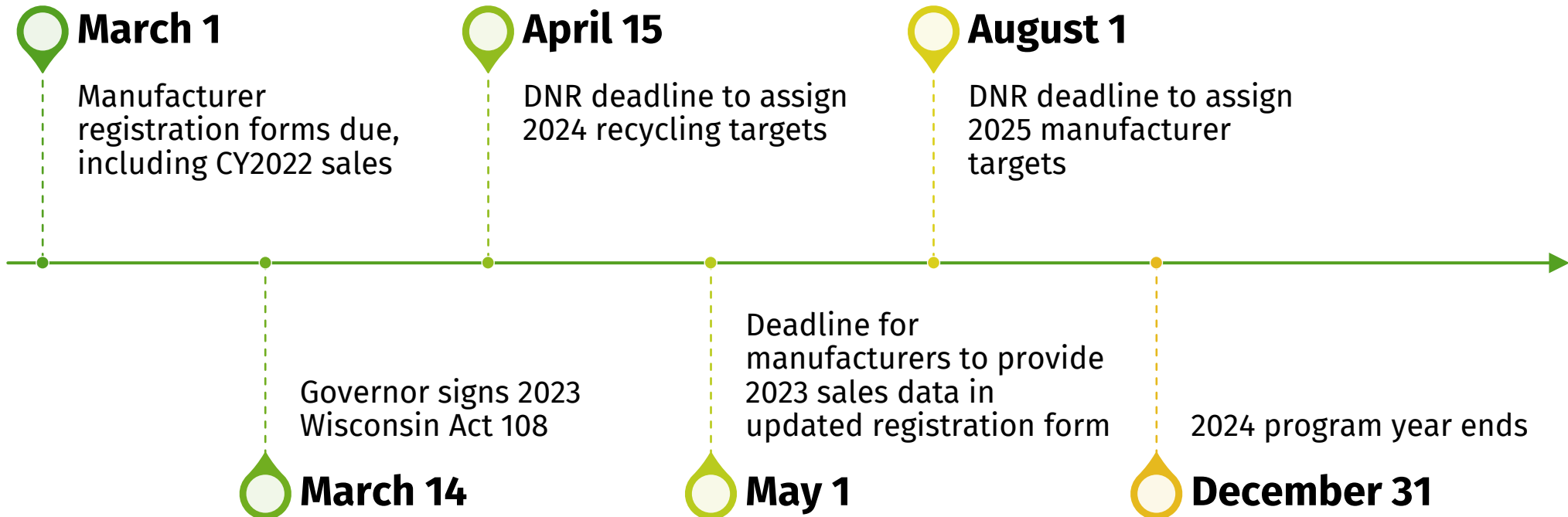
- ▶ Overall target based on weight collected 2 program years earlier
 - ▶ 2024 target: ~23.4 million pounds
- ▶ DNR determines each manufacturer's market share percentage by devising their weight sold by total weight reported by all registered manufacturers
- ▶ Market share % rounded to nearest hundredth
- ▶ DNR applies market share % to overall target weight

Recycling targets by program year

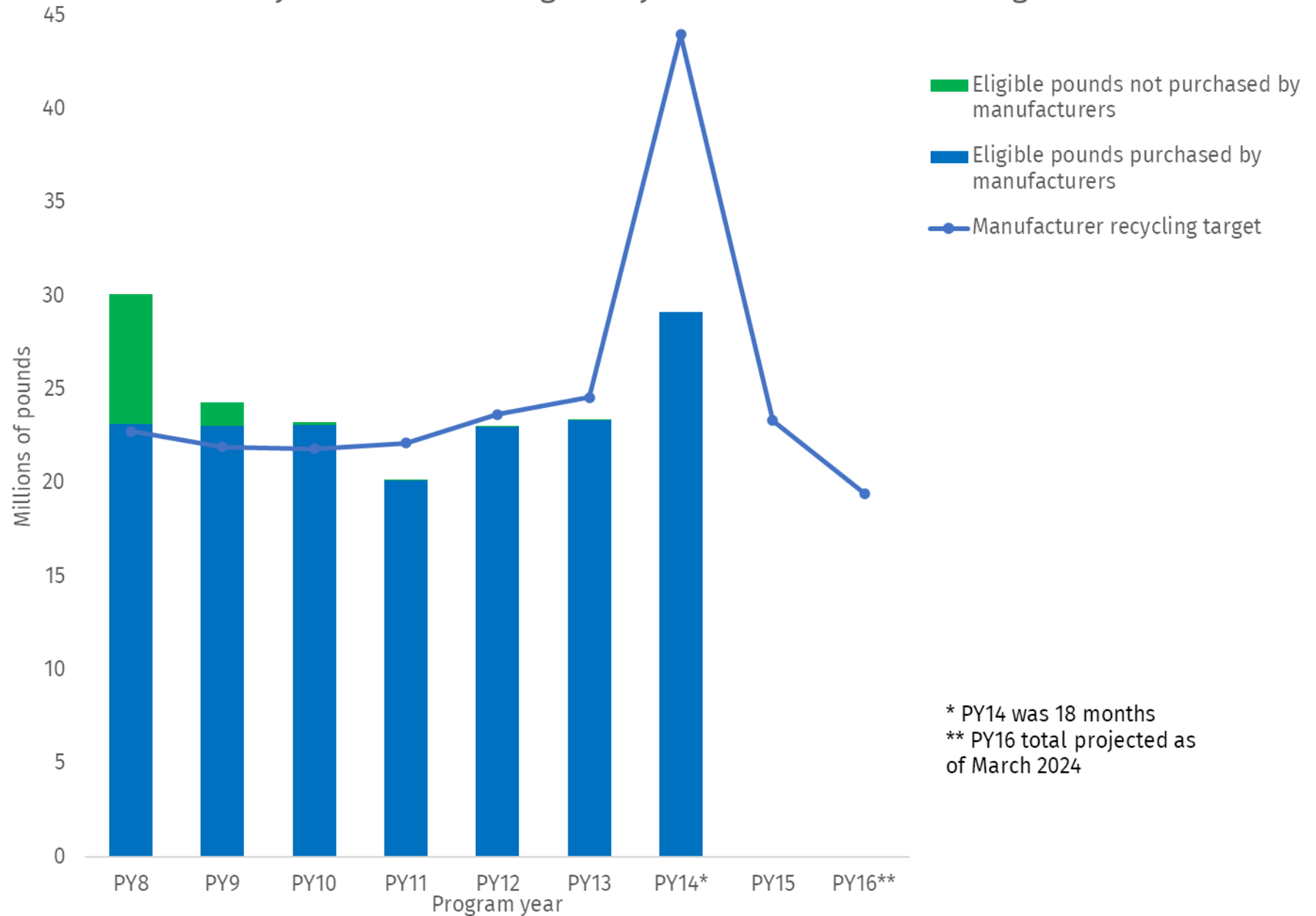
Program year	Sales period for recycling target calculation	DNR assigns targets by	Total target based on weight recycled during	Total target weight (pounds)
PY15 (2024)	1/1/2022-12/31/2022	April 15, 2024	7/1/2021-6/30/2022	23,356,682
PY16 (2025)	1/1/2023-12/31/2023	Aug. 1, 2024	7/1/2022-12/31/2023 (multiplied by 2/3)	19,457,427*
PY17 (2026)	1/1/2024-12/31/2024	Aug. 1, 2025	1/1/2024-12/31/2024	Not yet available

* Based on recycler totals reported to DNR as of March 20, 2024

Manufacturer target timeline for 2024



E-Cycle Wisconsin weight recycled vs. manufacturer targets

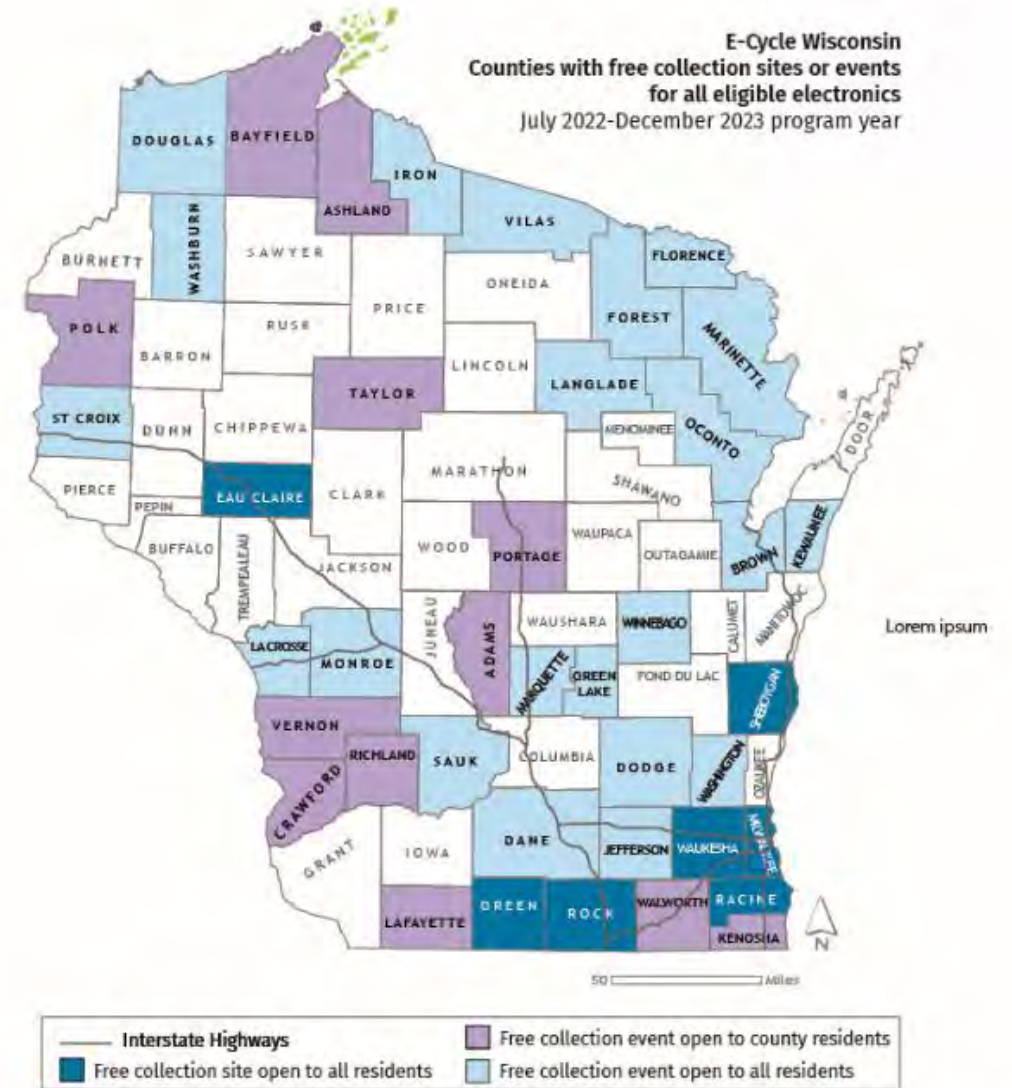


* PY14 was 18 months
** PY16 total projected as of March 2024

Trends in weight recycled and manufacturer targets

PY14 collection coverage (July 2022–December 2023)

- ▶ All 72 counties had at least one collection site or event
- ▶ Manufacturers sponsored free collection sites in 8 counties
- ▶ Grants/manufacturers funded at least 35 free events in 26 counties



Counties still lacking access at end of 2023

- ▶ 3 counties did not have site/event accepting all eligible devices from all residents (Calumet, Iowa, Price)
- ▶ 14 counties (light blue) did not have permanent site accepting all eligible electronics from all residents



Updated November 2023



Reminder: 2023 rule changes for E-Cycle WI



More devices eligible to count toward manufacturer recycling targets.



Manufacturers of video game system consoles or other components that meet computer definition must register these devices.



Collectors must independently track loads they send to other collectors or recyclers



Recyclers must use bills of lading for transporting eligible electronics and components to and from their facilities



Out-of-state recyclers may need to update owner financial responsibility

New covered and eligible devices (2023)

- ▶ Video game components that meet “consumer computer” definition now covered and eligible devices



- ▶ Three new categories of devices now eligible electronics because of batteries

- ▶ Telephones with video display



- ▶ Phone accessories with batteries



- ▶ Video game accessories/devices with batteries



New guidance for collection sites and processors

Electronics Collection Requirements and Best Practices

Guidance for electronics collection sites and exempt transfer facilities
PUB-WA-2030 2023



Wisconsin law sets standards to make sure electronic waste is managed in a way that will protect human health and the environment.

This document summarizes requirements for electronics collectors, and options for meeting them, along with best practices to consider. It also explains additional registration, reporting and recordkeeping requirements for collectors registered with the E-Cycle Wisconsin program.

Contact Department of Natural Resources staff at DNRW/e-cycling@wisconsin.gov with any questions.

Terms used in this document

Collection site	Site where the public can drop off electronics for recycling.
Electronic device	Device that requires electric current or electromagnetic fields to function and contains a circuit board. Does not include a major appliance or motor vehicle.
Eligible electronic device	Device that counts toward manufacturer recycling targets under E-Cycle Wisconsin. Includes the following: <ul style="list-style-type: none"> cellphones, other telephones with a video display and phone accessories operated by a battery; computers (desktop, laptop and netbook computers); desktop printers (including those that scan, fax and/or copy and 3-D printers); computer monitors; other computer accessories (including keyboards, mice, speakers, scanners); DVD players, VCRs and other video players (i.e., DVRs); FAX machines; tablets and e-readers; TVs; video game consoles; and video game system components and portable hand-held video game devices operated by a battery.
Exempt transfer facility	Site or facility where collected electronics are consolidated before sending to a recycler and is not open for the public to drop off electronics.
Facility	Any person, business or organization involved in collecting, storing, transporting, recycling or refurbishing electronics.

Electronics Processing Facility Requirements and Licensing Process

Guidance for Facilities that Recycle Electronics in Wisconsin
PUB-WA-2031 2023



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This document provides an explanation of solid waste requirements for electronics processing facilities. It outlines the steps to obtain a solid waste processing approval and license from the Department of Natural Resources. For questions about which requirements apply to a specific situation or activity, contact the DNR at DNRW/e-cycling@wisconsin.gov.

Definitions and background

Definitions are provided to help make this document easier to understand. A citation is provided when definitions are specified in law.

An **electronic device** is a device that requires electric current or electromagnetic fields to function and that contains a circuit board but does not include a major appliance or a motor vehicle [s. NR 500.03 (7)(g), Wis. Adm. Code].

A **waste electronic device** is a term used in s. NR 502.07, Wis. Adm. Code to describe used electronics intended for recycling or disposal.

A **facility** means a solid waste facility [s. NR 500.03 (78), Wis. Adm. Code]. For the purpose of this document, this includes any person, business or organization involved in collecting, storing, transporting, recycling (processing) or refurbishing electronics.

Electronics processing means processing electronic devices for use in manufacturing processes or for recovery of usable materials and includes disassembling, boiling, crushing, grinding and shredding electronics or their components [s. NR 500.03 (71m), Wis. Adm. Code].

Cathode ray tubes and universal waste

There are specific hazardous waste requirements for cathode ray tubes, found in older TVs and monitors, and for many hazardous components in electronics. Batteries, lamps and mercury-containing components removed from electronics may be managed under universal waste requirements. For more information, refer to [Managing Used Electronics and Components \(PUB-WA-1307\)](#).

Contacts



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