

Oregon E-Cycles Rulemaking Meeting 1

Materials Management Program

March 7, 2024
Zoom Virtual Meeting

Meeting Agenda

Time	Topic
9 a.m.	Welcome, Overview
9:10 a.m.	Introductions - committee members
9:20 a.m.	Committee scope, charter and rulemaking process
9:30 a.m.	Overview: new E-Cycles law
9:50 a.m.	Rule concept presentations and discussion
10:35 a.m.	Break
10:45 a.m.	Public input period
11 a.m.	Continued Rule Concept Discussion
12 p.m.	Adjourn meeting

Webinar tips

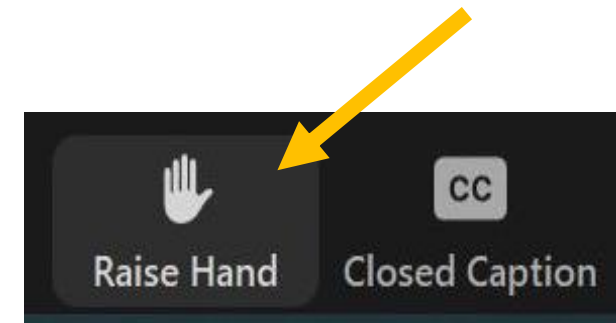
Thank you for joining us today!

Join audio by either phone or computer, not both.

For committee discussion and comments, use the raise hand button; if joined by phone press *9

This meeting is being recorded.

For Zoom technical issues, send a message through the chat to Nikki Hogan, or email: Nicole.Hogan@deq.oregon.gov



Meeting guidelines

- Listen and treat everyone with respect
- Allow one person to speak at a time – use ‘raise hand’ feature
- Be prepared and set time aside for the meetings
- Provide a balance of speaking time
- Bring concerns and ideas up for discussion early in the process
- Comment constructively
- Move around and take care of yourself as needed

Communications

- Substantive discussion by the committee will occur during public meetings, not offline.
- DEQ will post meeting materials including meeting slides and summaries on the [E-Cycles rulemaking webpage](#)

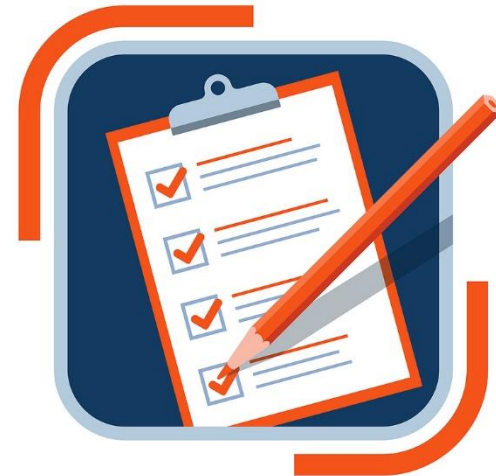


Introductions – RAC Members

Name	Affiliation
Walter Alcorn	Consumer Technology Association
Denise Barnes	Rogue Disposal & Recycling
Tim Brownell	Deschutes County
Tricia Conroy	Electronic Manufacturers Recycling Management Company, LLC
Zack Dahl	Dahl Disposal Services
Sabrina Gogol	Metro
Donald Hennen	Reverse Logistics Group
Andrew Keough	N/A (member of the public)
Juan Muro	Free Geek
Jim Puckett	Basel Action Network
Nick Shuman	Dynamic Lifecycle Innovations
Daven Stetson	St Vincent de Paul of Lane County
Ray Zielke	Universal Recycling Technology

Committee scope and operating procedures

- Rules and rulemaking process
- Role of Rulemaking Advisory Committee (RAC)
- Public involvement
- Committee Charter



About rules and the rulemaking process



Rules are agency regulations, carry the power of the law.



DEQ uses the rulemaking process to clarify and implement state law.



Rules are proposed by DEQ and are adopted by the Environmental Quality Commission.

Role of the rulemaking advisory committee

This is an advisory committee

- Your ideas inform the proposed rulemaking

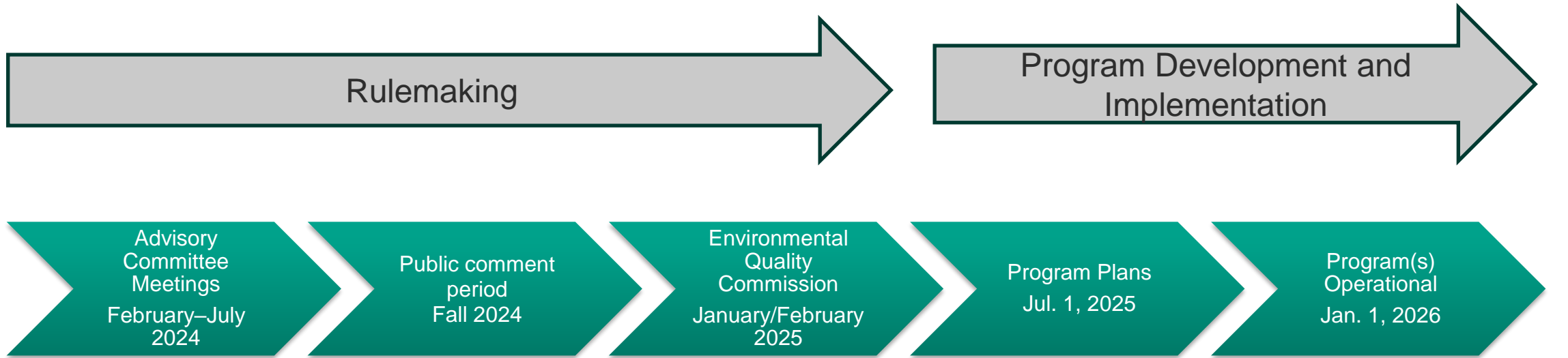
Meetings stay focused on proposed rule concepts

- Statute guides issues DEQ addresses in this rulemaking

RAC has particular responsibility to review and advise on:

- Racial equity impacts of rules
- Fiscal impacts of rules

Program Timeline



Public involvement

Opportunities to stay engaged:

- Sign-up for email updates ([Gov Delivery](#))
- Review meeting materials
- Provide input during meetings
- Submit formal comments on draft rules later this year



Committee charter

Highlights:

- Objectives and scope
- Roles and expectations
- Alternates process



Oregon E-Cycles Rulemaking

Advisory Committee Charter

Rulemaking Contacts: Rachel Harding, Michael Lee

2024 - 2025

Q and A



Oregon E-Cycles

- Statewide program
- Requires electronics manufacturers to provide responsible recycling for their devices
- Since 2009, over 300 million pounds collected
- Changes begin 2026



Extended Producer Responsibility in Oregon

Existing



Drug Take-Back Program



PaintCare™
RECYCLING MADE EASY

Upcoming

Printed paper, packaging and food serviceware



Mattress Recycling Program



Keys to a Program's Success

- The program is convenient
- People know about and use it
- Collected products are managed in an environmentally sound manner



E-Cycles 2026: Roles

Entity	Role
Public (“covered entities”)	Takes covered electronic devices to collection sites or uses other collection services
Collection sites	Accepts devices from the public; Sorts and prepares devices for reuse or for transport to processors
Processors	Processes devices for recycling
Producer Responsibility Organization (PRO)	Develops and implements program; Manages network of collection sites Ensures environmentally sound management of collected devices
Manufacturers	Participate and fund an electronics producer responsibility program
DEQ	Oversight

PRO responsibilities include:

- Submitting annual program plan
- Implementing a plan approved by DEQ:
 - Managing collection network
 - Ensuring environmentally sound management
 - Raising awareness
 - Establishing and working towards program goals
- Submitting annual report

DEQ responsibilities include:

- Annually
 - Registering manufacturers
 - Calculating market share
 - Reviewing plans and reports
- Ongoing
 - Monitoring
 - Oversight

Oregon E-Cycles 2026

Questions?



E-Cycles 2026: Changes to the Program



People in Oregon

More devices accepted;
convenient and equitable service.



Collection Sites

More permanent collection sites
required statewide



Manufacturers and PROs

Clarification on administrative and
coordination requirements



DEQ

Administrative efficiencies;
continue oversight

Topics for Future Committee Meetings

Anticipated:

- Environmentally sound management practices
- Fair financial compensation to collection sites
- DEQ administrative fees

Proposed Rule Concept Discussion

Topic 1: Covered electronic devices

Topic 2: Product categories

Topic 3: Standards for collection sites



Oregon Department of Environmental Quality

Oregon E-Cycles Modernization: Rule Concepts Rulemaking Advisory Committee Meeting 1

Overview

DEQ is conducting a rulemaking to implement [House Bill 3220 \(2023\)](#), which changes the Oregon Electronics Recycling Law (Oregon Revised Statutes 459A.300 to 459A.355) to [modernize Oregon E-Cycles](#), the state's electronics recycling program. Changes to the existing program take place starting Jan. 1, 2026.

Oregon E-Cycles offers free recycling of devices covered by the law (i.e., "covered electronic devices"). The services are available to Oregon households, a business or nonprofit organization that employs 10 or fewer individuals, and any person giving seven or fewer covered electronic devices to a collector at one time. The program uses environmentally sound management practices—including record keeping, tracking the fate of recycled materials, performance audits, and inspections—to ensure the responsible handling and processing of collected electronics. Since operations began in 2009, the program has collected over 300 million pounds of electronic devices. The program is operated by organizations known as producer responsibility organizations; these producer responsibility organizations operate their programs on behalf of producers of covered devices, with funding from their producers. DEQ monitors program operations and producer participation for compliance with the law. As part of its oversight, DEQ reviews and approves program plans that detail how a producer responsibility organization will operate its program; DEQ also reviews annual reports from producer responsibility organizations and has authority to audit and inspect program records.

Topic 1: Covered electronic devices

Devices accepted in 2026:

Current Covered Devices	Additional Devices in 2026	
Computers Monitors TVs Printers Keyboard and Mice	Fax machines Videocassette recorders Portable digital music players (that have memory capability and are battery-powered) DVD players DVD recorders Video game consoles	Digital converter boxes Cable receivers Satellite receivers Scanners Small-scale servers Routers Modems Additional peripherals, as defined by rules

Topic 1: Covered electronic devices

Overview

DEQ proposes 4 rule concepts:

- 3 concepts provide examples of covered electronic devices
- 1 concept to define and give examples of peripherals



Topic 1: Covered electronic devices

1. Rule concept on computer monitors:

Statute: Covered electronic devices include “*a computer monitor of any type having a viewable area greater than four inches measured diagonally.*” ORS 459A.305(4)(a)

Rule concept: State in rule that the following are examples of a computer monitor:

- A cathode-ray tube monitor
- A flatscreen
- A touchscreen, such as an interactive whiteboard or panel

Topic 1: Covered electronic devices

2. Rule concept on desktop computers:

Statute: Covered electronic devices include “*a desktop computer or portable computer.*” ORS 459A.305(4)(a)

Rule Concept: State in rule that the following are examples of a desktop computer:

- A thin client
- A mini, single-board, or small form factor personal computer
- An all-in-one computer

Topic 1: Covered electronic devices

3. Rule concept on portable computers:

Statute: Covered electronic devices include “*a desktop computer or portable computer.*” ORS 459A.305(4)(a)

Rule Concept: State in rule that the following are examples of a portable computer:

- A laptop
- A tablet
- An e-reader

Topic 1: Covered electronic devices

4. Rule concept on peripherals:

Statute: defines a “peripheral” under ORS 459A.305(13) as:

(13) “Peripheral” means:

(a) A keyboard, mouse or other device sold exclusively for external use with a covered electronic device as a wireless or corded device that provides input into, or output from, a covered electronic device;

(b) Cords used with a keyboard, mouse or other device described in paragraph (a) of this subsection; or

(c) Other devices or equipment sold for use with a covered electronic device, as further defined by the commission by rule.

Topic 1: Covered electronic devices

4. Rule concept on peripherals:

Rule Concept: State in rule:

“Peripheral” includes an ancillary device or equipment sold for use with a covered electronic device that connects through wires or wirelessly to a covered electronic device and includes:

- A cable or cord sold for use with a covered electronic device;
- A controller for a covered electronic device, such as a game controller, a joystick, or a flight simulation controller;
- Headphones or ear buds;
- A standalone speaker intended for use with covered electronic devices, but not a speaker intended for amplifiers or sound systems;
- An external drive;
- A digital or media streaming device;
- A web camera;
- A headset, including an augmented reality or virtual reality headset

Topic 1: Discussion

Rule Concepts

1. Computer monitors include:

- A cathode-ray tube monitor
- A flatscreen monitor
- A touchscreen monitor, such as an interactive whiteboard or panel

2. Desktop computers include:

- A thin client
- A mini, single-board, or small form factor personal computer
- An all-in-one computer

3. Portable computers include:

- A laptop
- A tablet
- An e-reader

4. “Peripheral” includes an ancillary device or equipment sold for use with a covered electronic device that connects through wires or wirelessly to a covered electronic device and includes:

- A cable or cord sold for use with a covered electronic device;
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Topic 2: Product Categories

Overview

Statute requires rules to set product categories

Product categories will be used to:

- Sort devices at collection
- Calculate manufacturers' market shares

DEQ invites discussion on categories



Topic 2: Proposed Categories for 2026

Category	Devices
1	Computers Small-scale servers
2	Monitors Printers Scanners Fax machines
3	TVs
4	Peripherals
5	Portable digital music players Digital video disc players Digital video disc recorders Videocassette recorders Video game consoles Digital converter boxes Cable receivers Satellite receivers Routers Modems

Topic 2: Discussion

Category	Devices
1	Computers Small-scale servers
2	Monitors Printers Scanners Fax machines
3	TVs
4	Peripherals
5	Portable digital music players Digital video disc players Digital video disc recorders Videocassette recorders Video game consoles Digital converter boxes Cable receivers Satellite receivers Routers Modems

Discussion Prompts:

1. Are there devices or groups of devices that should be separated out into additional categories?
2. Should DEQ consider separating cathode-ray tube monitors and TVs from flatscreen monitors and TVs?
3. Other criterion?


Topic 3: Collection Site Standards

Overview

Statute requires a PRO to establish a statewide network of collection sites

DEQ proposes rule concepts to clarify standards for collection sites and other elements around collection

E-Cycles 2026: Roles



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Processors	Processes devices for recycling
Producer Responsibility Organization (PRO)	Develops and implements program; Manages network of collection sites Ensures environmentally sound management of collected devices
Manufacturers	Participate and fund an electronics producer responsibility program
DEQ	Oversight

Topic 3: Collection Site Standards

Statute requires:

- PRO must provide convenient and equitable service throughout Oregon.
- This includes a minimum number of collection sites.
- Collection sites must be staffed and open to the public at a frequency adequate to meet the needs of the area being served.

Topic 3: Collection Site Standards

Statute allows:

- PROs to share collection sites
- A collector to charge for “premium services”
(at-location system upgrade services and at-home pickup services, including curbside pickup)

Topic 3: Collection Site Standards

Rule Concepts:

1. A collection site is a collector that, in addition to any premium services, accepts *all* categories, types, and brands of covered electronic devices at no charge to covered entities.

Topic 3: Collection Site Standards

Rule Concepts, continued:

2. A collection site must be staffed and open to the public at least five days a week during regular business hours.



Topic 3: Collection Site Standards

Rule Concepts, continued:

3. PRO must

- require each collector to comply with environmentally sound management practices; and
- provide all collectors the same level of oversight to ensure compliance.

Topic 3: Collection Site Standards

Rule Concepts, continued:

4. Premium services:

- ***may not*** be used to meet minimum convenient service standards
- ***may*** count towards collection goals (if collected by a collection site)

Topic 3: Discussion

Rule concepts:

1. Accepting all covered electronic devices at no charge
2. Staffed and open five days a week, regular business hours
3. Environmentally sound management practices and oversight over collectors
4. Premium services: convenience and goals

Upcoming Committee Meeting Topics

Anticipated:

- Environmentally sound management practices
- Fair financial compensation to collection sites
- DEQ administrative fees
- Racial equity impacts of proposed rules
- Fiscal impacts of proposed rules

Next Steps

- Polling for next meeting date
 - Likely in April
 - Discussion of additional rule concepts
- Stay informed!
 - Visit the [E-Cycles rulemaking website](#)
 - Sign up for [GovDelivery email alerts](#)

Title VI and alternative formats

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