

Modernizing Oregon E-Cycles: Workshop 3



State of Oregon
Department of
Environmental
Quality



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Introductions



Abby Boudouris
Sr. Legislative Analyst
OR DEQ

Cheryl Grabham
Materials Mgmt.
Program Manager
OR DEQ



Michael Lee
Operations and Policy
Analyst
OR DEQ

Introductions



Scott Cassel
CEO / Founder



Lelande Rehard
Policy and Programs
Associate

Purpose of Today's Workshop

- Update on path forward for legislation
- Review proposal for Covered Materials
- Review proposal for Convenience Standard
- Review proposal for Collection Costs, Registration

Goal

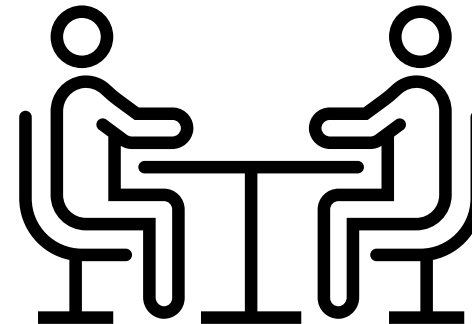
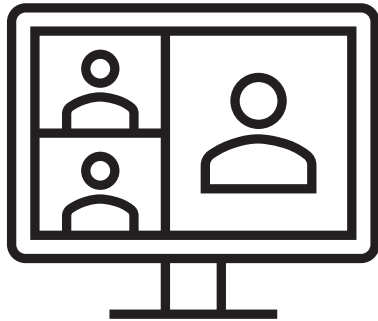
DEQ seeks to engage with national and state stakeholders to identify and analyze options for modernizing the Oregon E-Cycles Program through legislation anticipated in 2023.

E-Cycles: Opportunities for Modernization

- Create a more robust and stable collection infrastructure.
- Expand scope of covered materials.
- Address limitations of relying heavily on collections determination process.
- Reduce administrative burden for PROs and DEQ.

Summer Workshop Summary

- Held two workshops and multiple small group discussions
- Used feedback from engagement to hone legislative concepts



Workshop 1 Summary

Covered Materials

- Interest in expansion and exploring embedded batteries.

Program Administration

- Understanding the changes DEQ is interested in.

Convenience Standard

- Desire to maintain current infrastructure and pursue criteria for collection sites.

Reuse

- Interest in figuring out how E-Cycles can better support reuse.

Workshop 2 Summary

Covered Materials

- DEQ proposal to add CEDs and include peripherals.

Convenience Standard

- DEQ proposal for a standard that would maintain current network of sites.

Performance goals

- DEQ proposal for goals that enable continuous improvement for the program.

Program Administration

- DEQ proposal to phase out State Contractor Program.

Reuse

- Interest in figuring out how E-Cycles can better support reuse.

Fall and Winter

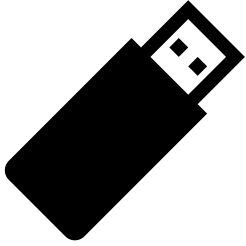
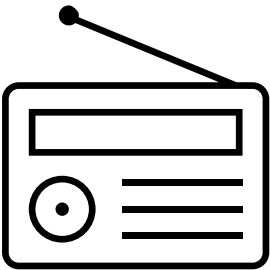
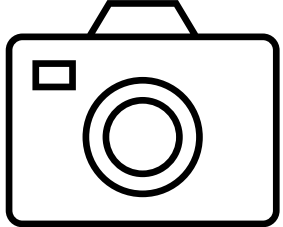
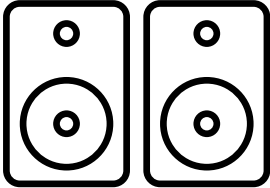
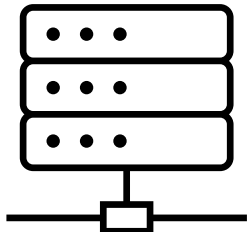
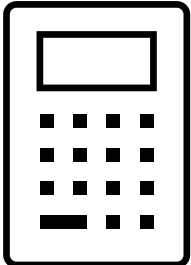
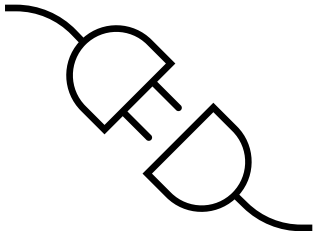
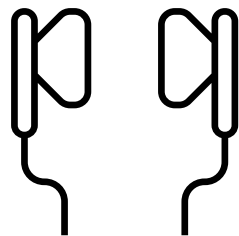
Anticipated:

- Workshop 4 in December – review additional elements.
- Workshop 5 in January – review bill text, draft needed amendments.
- Informal Conversations – ongoing to address niche issues.



Questions?

Covered Electronic Devices



Covered Materials List

Oregon	Illinois	British Columbia*	Prince Edward Island*	WEEE
TVs Computers Computer Monitors Laptops Computer Peripherals Printers Fax machines Videocassette recorders Portable digital music players Digital video disc players Digital video disc recorders Video game consoles Digital converter boxes Cable receivers Satellite receivers Routers Modems Peripherals*	TVs Computers Computer Monitors Laptops Computer Peripherals Printers Video Cassette Recorder Portable Digital Music Player Digital Video Disc Player Video Game Console Scanners Digital Converter Boxes Cable Receivers Satellite Receivers Digital Video Disc Recorders Small-scale Servers	- Illinois + below Vehicle Audio/Video Systems IT/Telecom Equipment Musical Instruments Medical Equipment Battery Powered Toys Cell Phones E-Bikes	-Illinois + below External Hard Drives GPS Devices Personal Care Appliances Clocks and Scales Air Treatment Appliances Vacuums Irons Countertop Appliances	“Electrical and electronic equipment’ or ‘EEE’ means equipment which is dependent on electric currents or electromagnetic fields in order to work properly and equipment for the generation, transfer and measurement of such currents and fields and designed for use with a voltage rating not exceeding 1000 volts for alternating current and 1500 volts for direct current)”

Proposed Covered Electronic Devices (CEDs)

“Covered electronic device” means:

(A) A computer monitor of any type having a viewable area greater than four inches measured diagonally;

(B) A desktop computer or portable computer;

(C) A television;

(D) A peripheral;

(E) A printer;

(F) A facsimile machine;

(G) A videocassette recorder;

(H) A portable digital music player that has memory capability and is battery powered;

(I) A digital video disc player;

(J) A digital video disc recorder;

(K) A video game console;

(L) A digital converter box;

(M) A cable receiver;

(N) A satellite receiver;

(O) A router; or

(P) A modem.

Peripherals

“Peripheral” means:

- 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.
- Cords used with a keyboard, mouse or other device.
- **Other devices or equipment sold for use with a covered electronic device, as further defined by the Environmental Quality Commission by rule.**
- **Peripheral manufacturers required to register.**

CED Evaluation and Landfill Ban

Updating Covered Materials

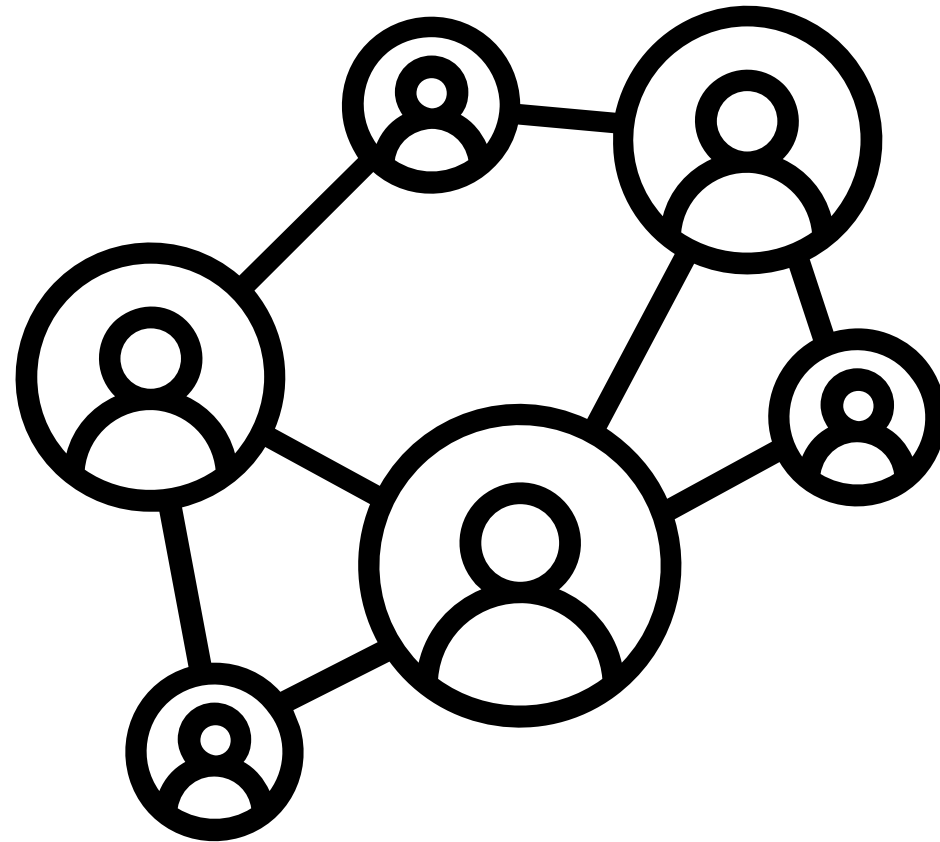
- Evaluating every four years whether additional electronic devices should be included in the program
- This does **not** give DEQ rulemaking authority to expand definition of CEDs; expansion of definition will require statutory changes.

Landfill Ban

- DEQ is not proposing an extension of the landfill ban to added CEDs

Feedback

Collection Convenience



Current E-Cycles Collection Network

Approximately 183 sites.

Factors include:

- The current statutory convenience standard sets a minimum of one site per county and one site for any city with a population greater than 10,000.
- Current network includes two programs.
- Programs also add sites as needed to meet collections determination set annually by DEQ.

Proposed Convenience Standard (1)

Provide convenient service throughout the state including to **rural areas and historically underserved populations**

Collection sites must be distributed to ensure 95% of state residents are within 15 miles of a collection site

Proposed Convenience Standard (2)

Network must include:

- At least one collection site in each county; and
- In each city with a population of 10,000 **but less than 200,000**, at least one collection site plus one additional collection site for every additional 20,000 residents of the city; and
- In each city with a population of **200,000 or greater**, at least ten collection sites, plus one additional collection site for every additional 50,000 residents of the city.

Proposed Convenience Standard (3)

All willing permitted facilities transfer stations that meet collection site standards can participate as collectors

Proposed Convenience Standard

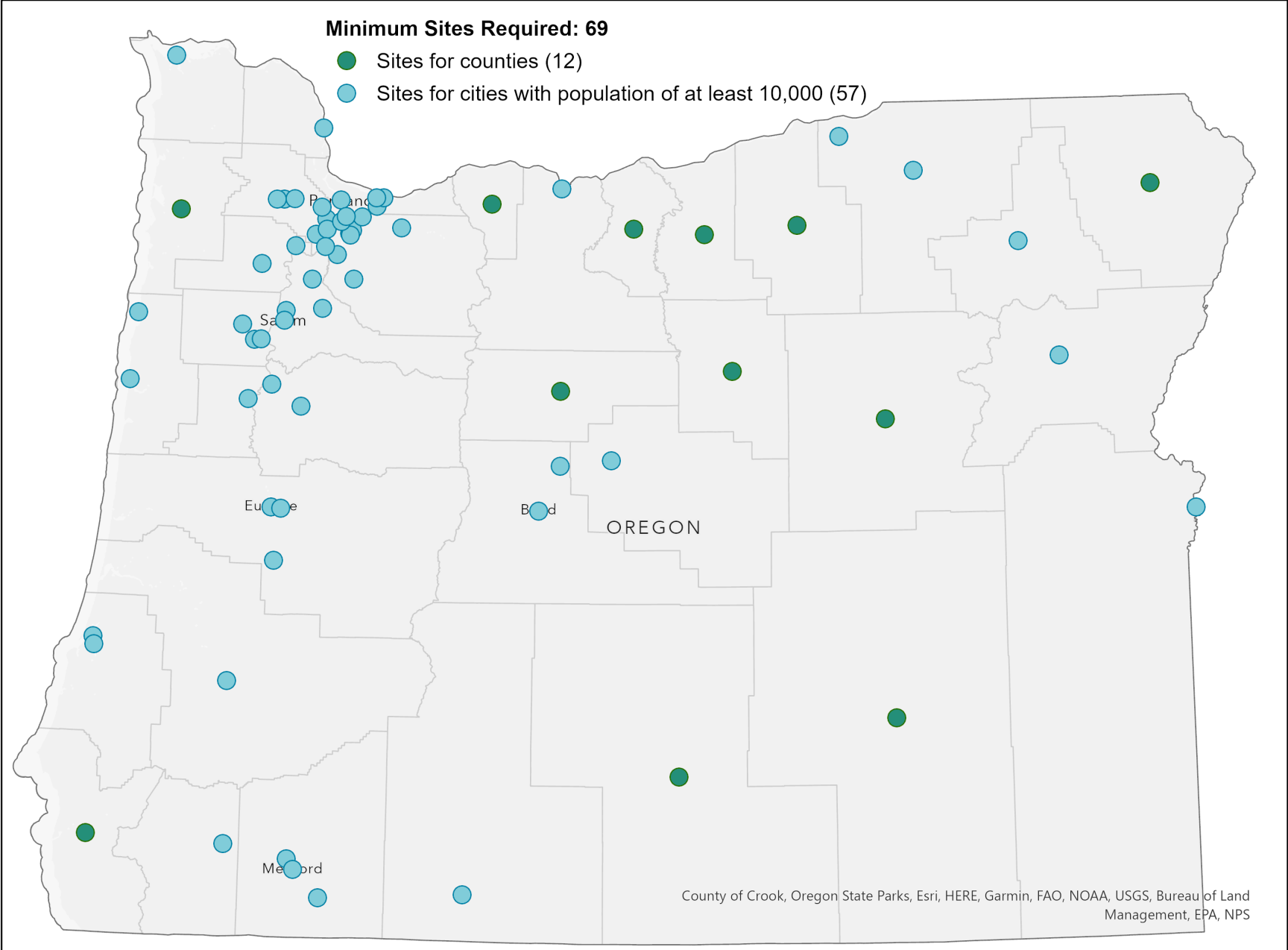
A collection site for a county may be the same as a collection site for a city in the county.

Two-mile buffer: Collection sites must be located within two miles of the city boundaries and located to provide reasonably convenient and equitable access to all residents of the city served.

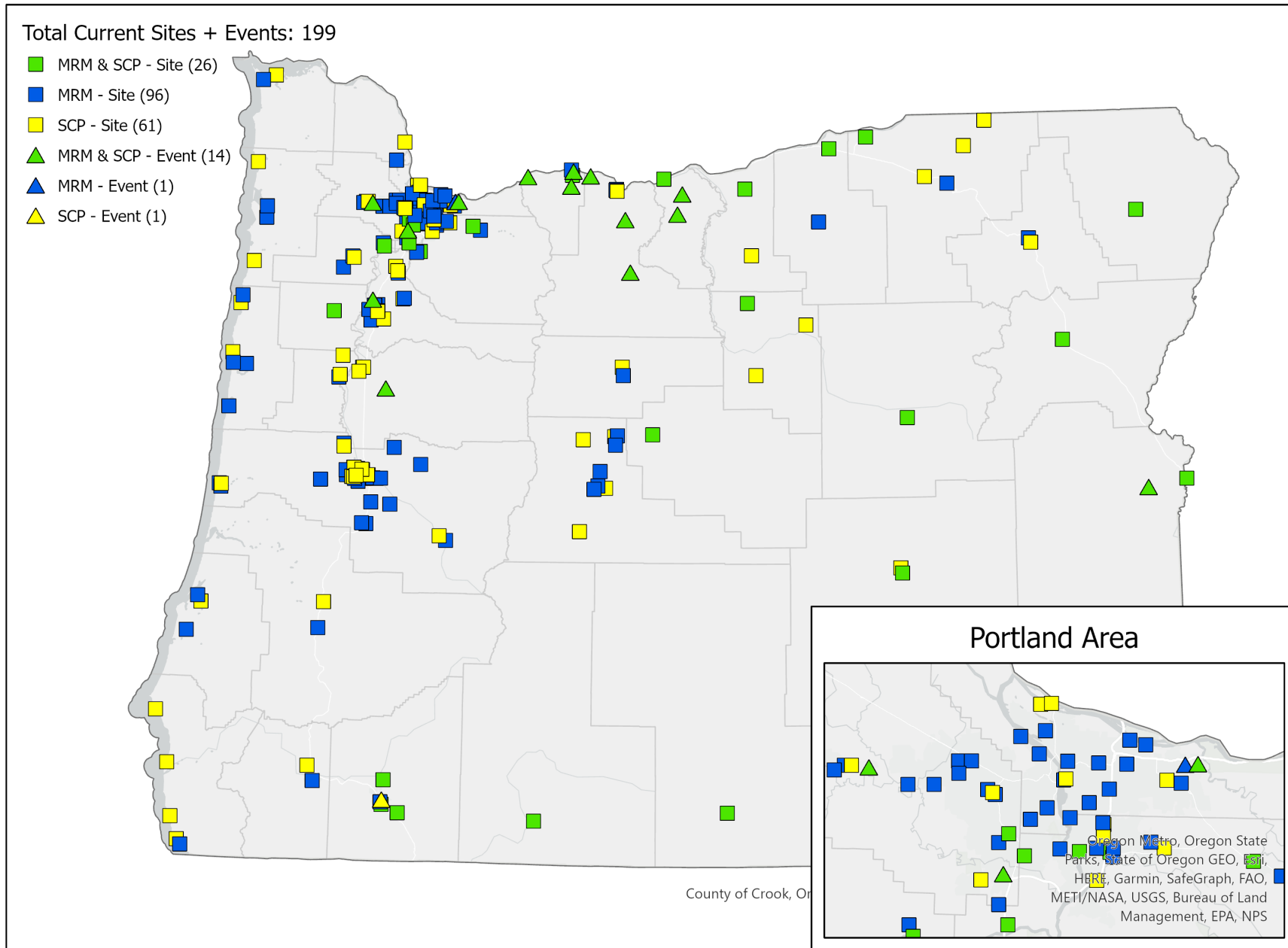
Proposed Convenience Standard: Alternative Method

DEQ may waive collection site requirements for a county or city if plan demonstrates PRO can provide service through an alternative method that adequately meets needs of jurisdiction

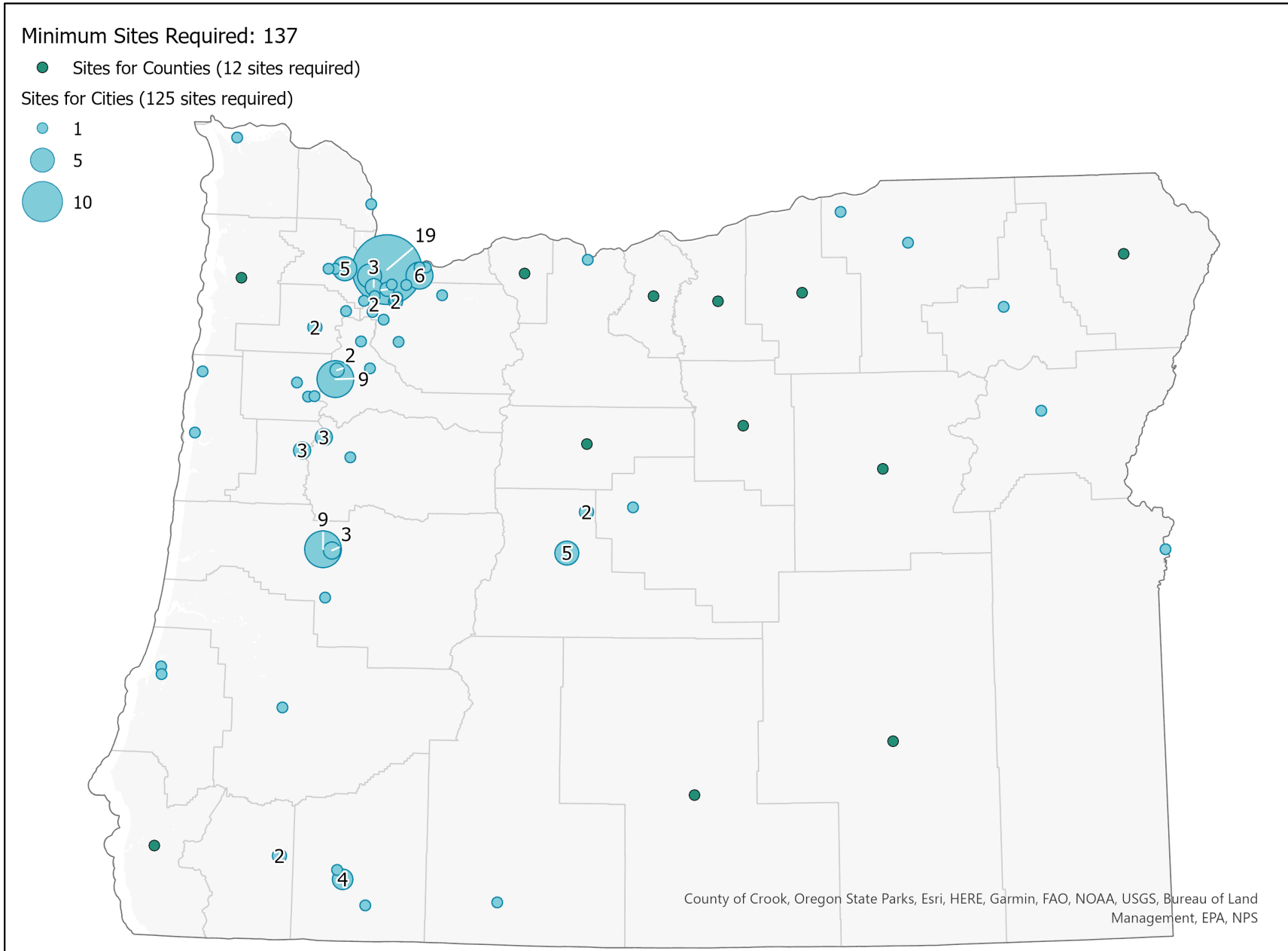
E-Cycles Collection Sites: Current Minimum Standard



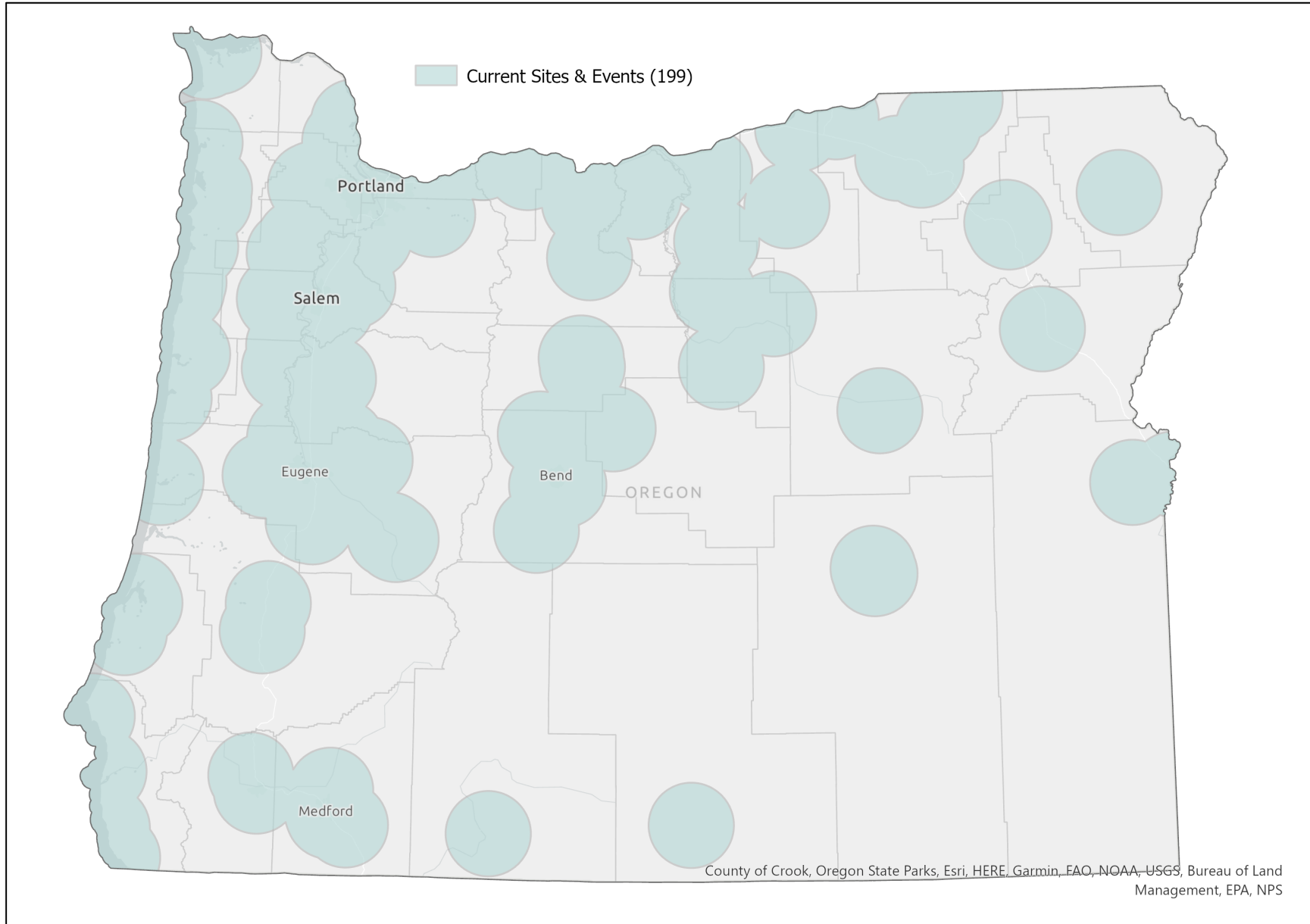
Current E-Cycles Sites & Events



E-Cycles Collection Sites: Proposed Population-Based Standard



Areas within 15 Miles of an E-Cycles Collection Site or Event



Feedback

Collection Site Standards

- **The Environmental Quality Commission may adopt rules including standards for environmentally sound management practices and standards for participating collection sites.**
- **Collection sites shall be staffed and open to the public at a frequency adequate to meet the needs of the area being served.** An electronics producer responsibility organization may provide collection service jointly with another electronics producer responsibility organization.

Feedback

Collection Cost

Current

“The manufacturer’s plan must describe how the manufacturer will:
(a) Finance, manage and conduct a statewide program to collect covered electronic devices from covered entities in this state.”

Proposed

Provide financial compensation to collection sites for their reasonable actual costs to collect and manage **covered electronic devices**.

Feedback

Registration Fees

Current

- Registration of manufacturers is delegated to DEQ
- All manufacturers, except peripheral manufacturers, must register

Proposed:

- Manufacturers, including peripheral manufacturers, must register with a PRO
- **Registration exemption** if manufacturer sold fewer than 50 covered electronic devices, excluding peripherals, in Oregon in previous year.

Feedback

Next Steps

- Review your input from today
- Next Workshop planned for December
- Send additional comments to:

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Thank You!