Oregon Recycling System Advisory Council

Meeting #12
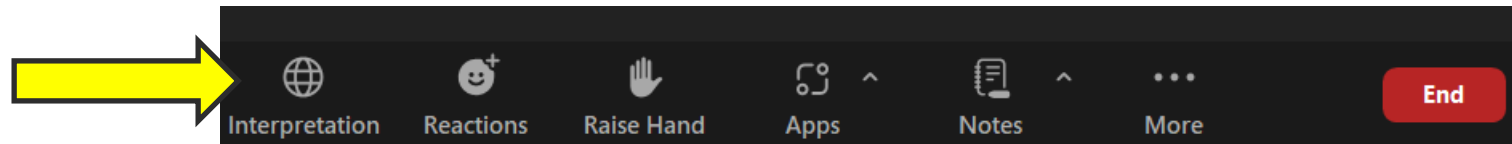
April 9, 2024
9 to 11 a.m.
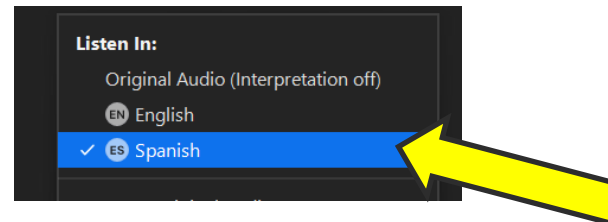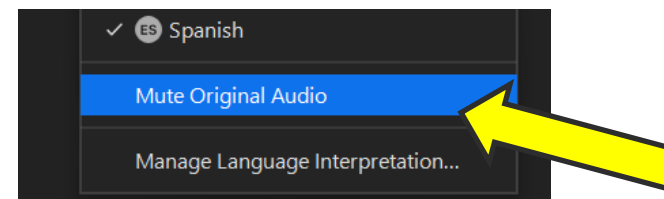*Zoom meeting*

Language Access: Spanish

1 Haga clic en el icono de interpretación (globo) situado en la parte inferior de la pantalla.
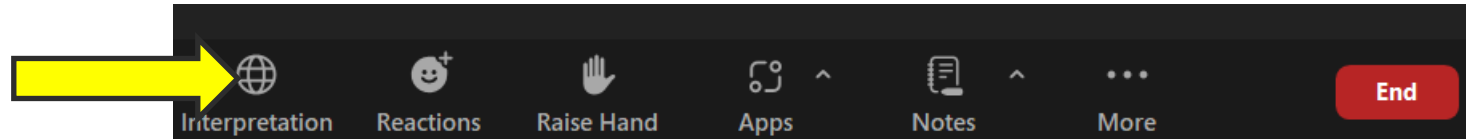

2 Selecciona: Español

3 Después, silencia el audio original

Language Access: English

1 Click on the interpretation (globe) icon at the bottom of your screen

2 Select: Original audio (Interpretation off)
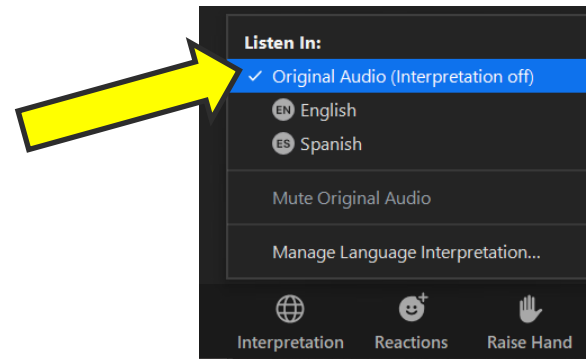
Zoom logistics

Today's session is being recorded

Non-Council members are in listen-only mode, and chat is turned off

Sign-ups for public input will occur at the start of that item (10:40 a.m.)

Technical difficulties?
Contact Stephanie Caldera via email Stephanie.Caldera@deq.Oregon.gov or text 971-279-9517.

Agenda // Orden del día

All times approximate and subject to change // Todas las horas son aproximadas y están sujetas a cambios

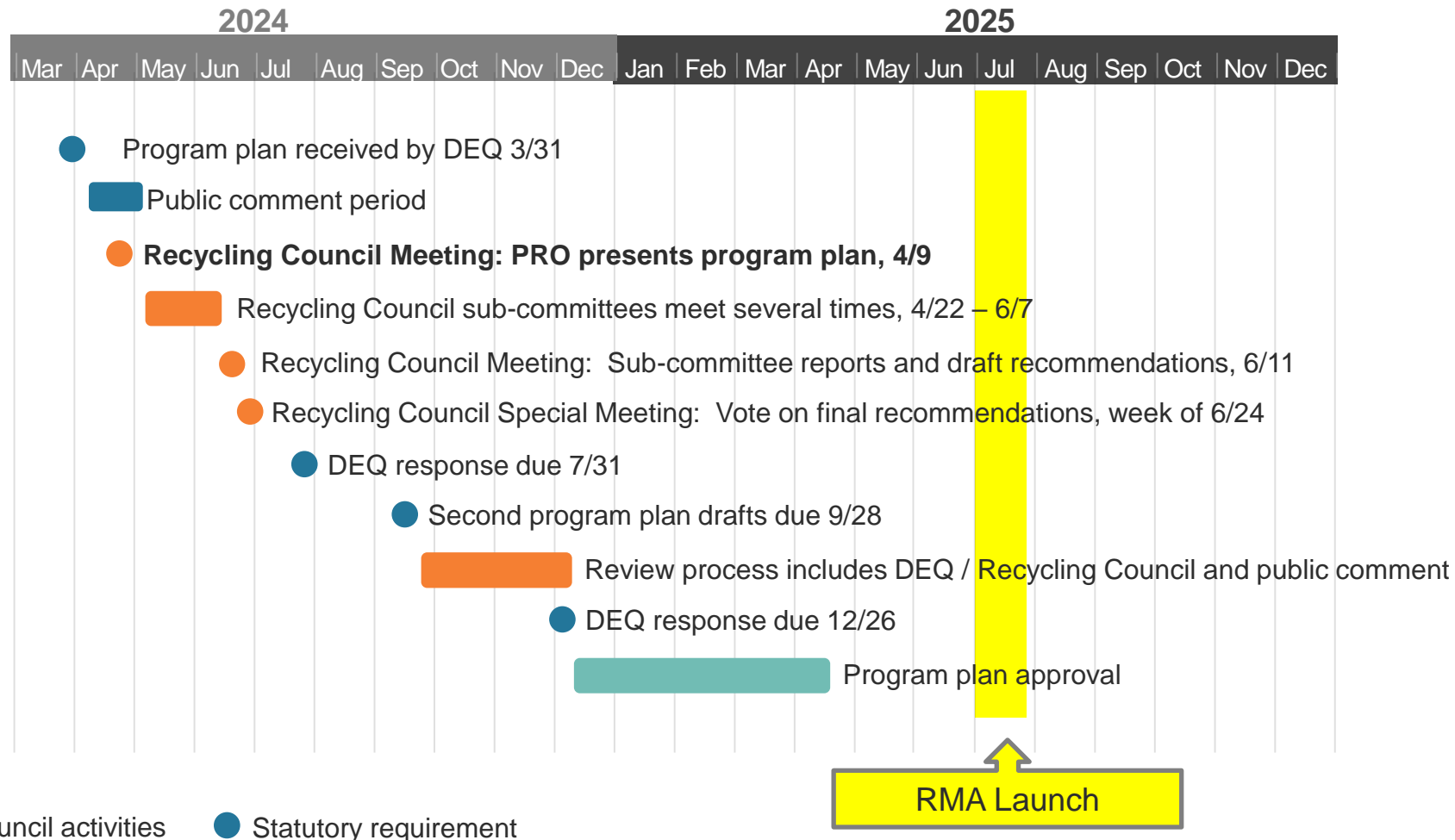|		
9 a.m.	Welcome and meeting opening	Bienvenida y apertura de la reunión
9:05 a.m.	Update: RMA implementation	Actualización: Aplicación de la RMA
9:10 a.m.	Discussion: PRO Plan subcommittee review process	Debate: Proceso de revisión del subcomité del Plan PRO
9:20 a.m.	Presentation: PRO Plan	Presentación: Plan PRO
10:35 a.m.	*Break*	*Receso*
10:40 a.m.	Public input session	Sesión de aportaciones públicas
10:55 a.m.	Meeting close, next steps and reminders	Cierre de la reunión, próximos pasos y recordatorios
11 a.m.	Adjourn	Se levanta la sesión

DEQ

Update: RMA implementation

Studies

- Waste composition
- Multifamily recycling needs
- Equity

Rulemaking

- Final Committee meeting: April 16, 10 a.m.
- Comment period: June through early July
    - Public hearings: Late June

PRO Plan Review: Calendar

2024

Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec

2025

Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec

- Program plan received by DEQ 3/31
- Public comment period
- **Recycling Council Meeting: PRO presents program plan, 4/9**
- Recycling Council sub-committees meet several times, 4/22 – 6/7
- Recycling Council Meeting: Sub-committee reports and draft recommendations, 6/11
- Recycling Council Special Meeting: Vote on final recommendations, week of 6/24
- DEQ response due 7/31
- Second program plan drafts due 9/28
- Review process includes DEQ / Recycling Council and public comment
- DEQ response due 12/26
- Program plan approval

RMA Launch

■ Recycling Council activities   ● Statutory requirement

7

PRO Plan Review: Process

Subcommittees

- DEQ to staff, support logistics and clarifications
- Checklists for generating recommendations
- Two or three meetings, public on Zoom

Recommendations

- Draft/discussion: June 11 Recycling Council regular meeting
- Finals: Special meeting, week of June 24

PRO Plan Review: Feedback/discussion

1. Do Council members have questions about the proposed subcommittee process?

2. Do Council members have ideas for draft group agreements for the subcommittee process?

Oregon Recycling System Advisory Council (ORSAC) Program Plan Review

April 9, 2024

Agenda

- Introductions
- Program Plan Objectives and Goals
- Local Government Compensation
- PRO Recycling Acceptance List
- Materials Strategy
- REMs
- Education & Outreach
- Equity
- Program Financing & Fees
- Questions

Circular
Action
Alliance

Introductions

Circular Action Alliance

- Circular Action Alliance (CAA) is a nonprofit 501(c)(3) established to support the successful implementation of EPR laws for paper and packaging in the U.S.

- CAA was officially incorporated in December 2022 and 20 companies from the food, beverage, consumer goods, and retail industries serve as Founding Members

- CAA has been approved to be the PRO in California, Colorado and Maryland

- An Oregon Board will be created to administer the Program

Team Introductions

Shane Buckingham
EPR Program Planning Lead

Doug Mander
Oregon Program Manager

Kim Holmes
Technical Advisor, Local Government Outreach

Francis Veilleux
Recycling Operations Manager

Team Introductions

Pierre Benabidès
*Responsible End Markets
Manager*

Alex Chan
*Fee-Setting
Manager*

Louise Bruce
*Managing Director, Center for
Sustainable Behavior and Impact,
The Recycling Partnership*

Trina Matta
*Director of Policy Implementation,
The Recycling Partnership*

Program Plan Objectives and Goals

Four interrelated overarching objectives:

1. **Reduce negative environmental, social and health impacts from end-of-life management of products and packaging**

2. **Increase the diversion of recyclable materials from disposal**

3. **Improve public participation, understanding and equity in the recycling system**

4. **Create a system that fulfills the needs and regulatory requirements of the PRO, its members and all other relevant stakeholders**

Plan objectives will be supported by more detailed goals, outcomes and key metrics for assessing performance.

Circular
Action
Alliance

USCL Materials & Local Government Compensation

Oregon Recycling System Optimization Project: Service Expansion

Program Plan requires schedule for funding local government service expansion requests:
- Initial estimates (see appendix) were very preliminary as task was to be assigned in a multiple PRO scenario.

To overcome some of the limitations of the 2023 Needs Assessment, the CAA System Optimization Project will:
- Take a wasteshed approach to the discussions with local governments, considering where broader system efficiencies can be achieved on that scale
- Understand unique conditions that may exist in each jurisdiction
- Confirm the current infrastructure in place
- Identify current gaps and the associated need to determine funding prioritization set forth by DEQ

CAA will develop a detailed schedule for processing of service expansion claims over a 2.5-year period.

The final funding amounts will be determined during CAA-local government negotiations, which will take place as per the schedule in the second plan.

Circular
Action
Alliance

Other Local Government Compensation Programs

Program Plan includes outline of processes for funding other local government compensation programs:
- Transportation funding (over 50 miles)
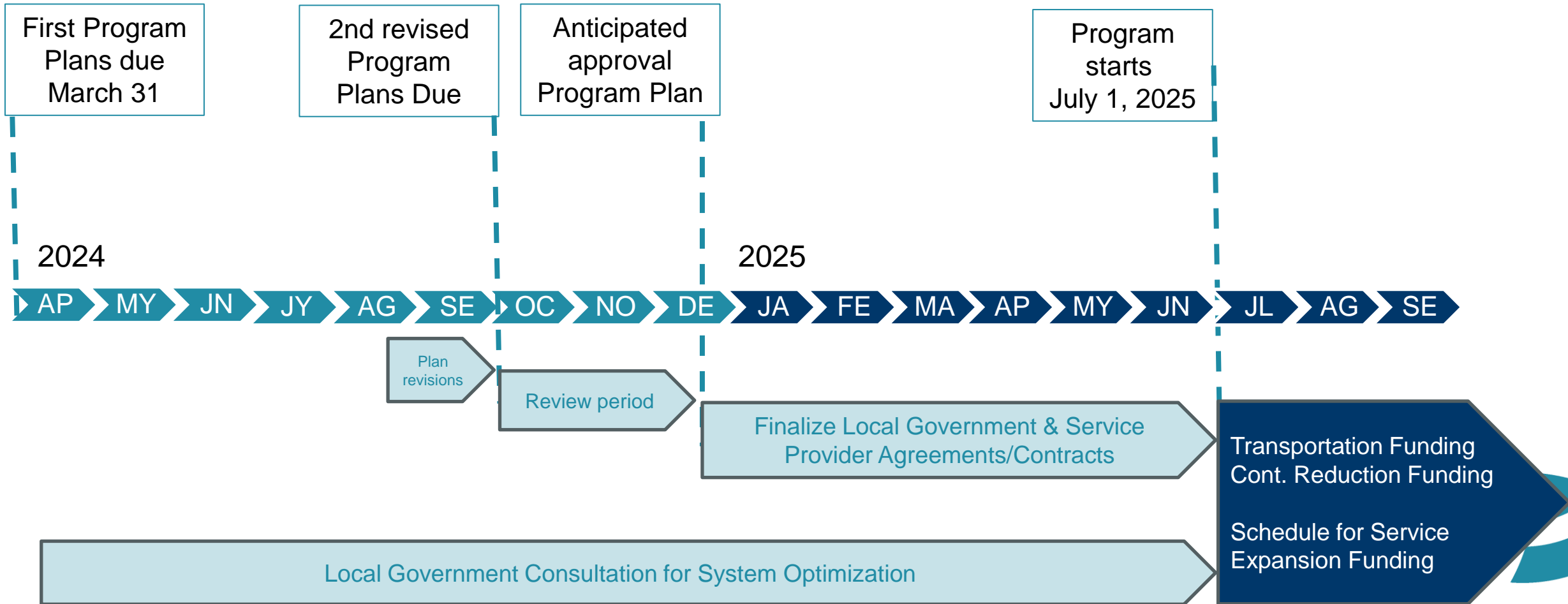- Contamination reduction funding and evaluations
- Roll carts

CAA will coordinate further consultation on these programs with local governments during System Optimization Project to finalize proposals for administration to be including in anticipated fall program plan. Issues with other compensation programs:
- CAA will explore opportunities to improve system efficiencies as part of transportation funding review
- Details of administration for each program
- Terms associated with advance funding requests
- Finalization of dispute settlement processes

Final review of local government funding requests for service expansions will also be coordinated with CAA's development of the depot system for the collection of PRO materials:
- CAA needs to confirm which existing depots are interested in collecting PRO materials and if service expansion requests relate to potential collection of PRO materials

Circular
Action
Alliance

Timelines

| First Program Plans due March 31 | 2nd revised Program Plans Due | Anticipated approval Program Plan | Program starts July 1, 2025 |

2024

2025

AP ▸ MY ▸ JN ▸ JY ▸ AG ▸ SE ▸ OC ▸ NO ▸ DE ▸ JA ▸ FE ▸ MA ▸ AP ▸ MY ▸ JN ▸ JL ▸ AG ▸ SE

Plan revisions

Review period

Finalize Local Government & Service Provider Agreements/Contracts

Transportation Funding Cont. Reduction Funding

Schedule for Service Expansion Funding

Local Government Consultation for System Optimization

PRO Recycling Acceptance List

PRO Materials

Aluminum foil and pressed foil products

Steel and aluminum aerosol packaging

Single-use liquid fuel canisters and other pressurized cylinders

Shredded paper

Block white EPS

HDPE package handles

PE and PP lids

Polyethylene film

Glass packaging

Plastic buckets and other bulky HDPE or PP packaging

Base Level Depot

Materials DEQ determined to be generated less frequently and therefore require fewer options
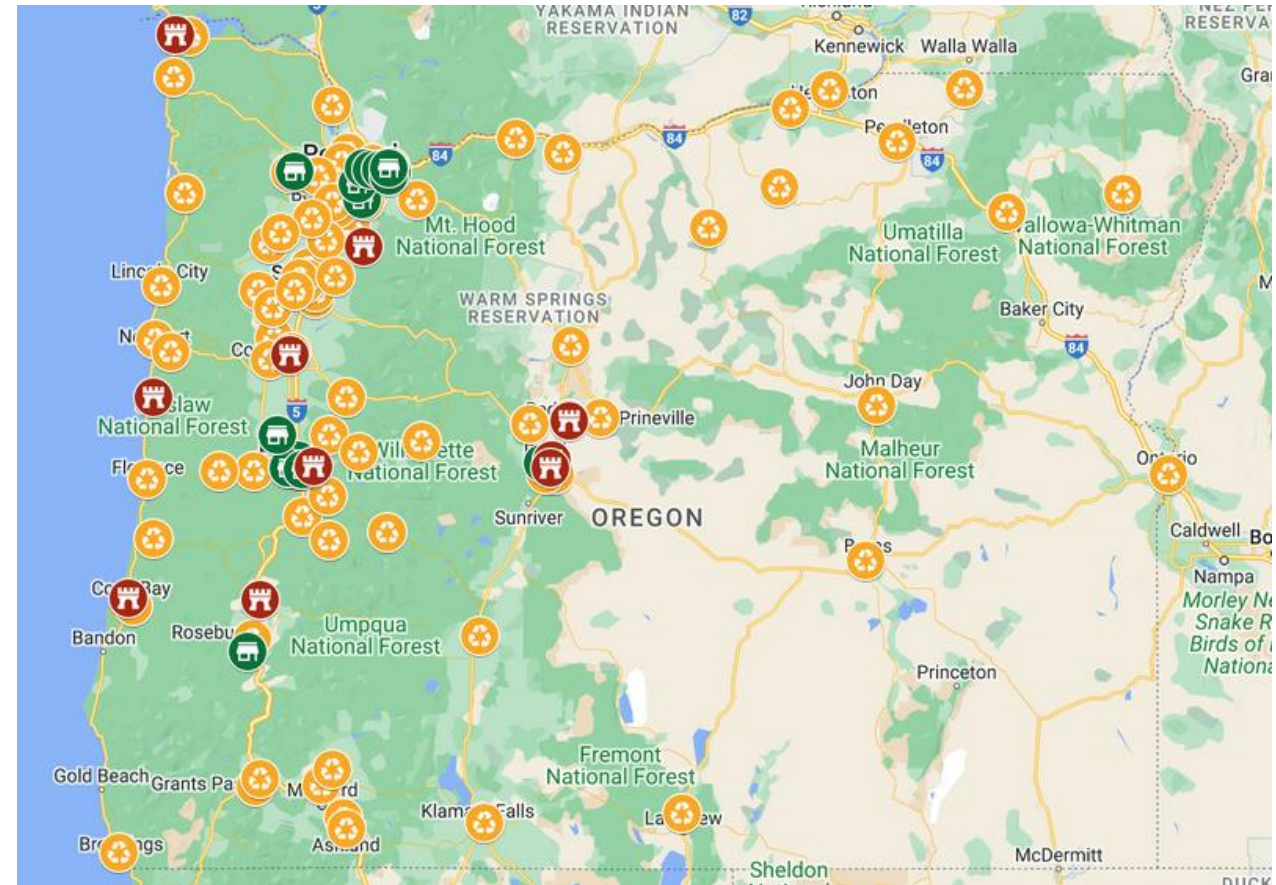
Enhanced Level Depot

Materials DEQ determined to be generated more frequently and therefore require more options

Circular Action Alliance

Convenience Standards

Region or County	Basic Convenience	Enhanced Convenience
Metro (Portland Area)	32	42
Lane (Eugene)	10	13
Marion (Salem)	9	11
Jackson (Medford)	6	8
Deschutes (Bend)	5	6
Rest of State	45	54
Total Number of Depots	107	134

Existing permitted solid waste transfer stations or depots with the sites that are clear targets to add locations (CAA required to work with existing depots subject to RMA rule provisions)

- CAA has 3 years to fully meet convenience standards but must have broad state coverage by July 1, 2025
- CAA may, following consultation with local governments, propose alternate ways to address convenience:
  - Collection events
  - Curbside collection of PRO materials

Developing PRO Depot Collection System

Detailed development of depot system was to be an assigned PRO task – further outreach is required.

RMA Requirements	CAA Approach
Contract with existing depots: - Depot is willing to accept PRO materials - Meets required performance standards - Annual cost does not exceed 110% of alternative site	Contact existing depot operators to confirm interest in collecting PRO materials: - Maximize use of existing infrastructure where possible
Alternate Approach to Meet Convenience Standards: - Curbside collection - Collection events	Where local governments/service providers are interested in providing alternate collection services for PRO materials explore arrangements to provide: - Maintain existing services where possible - Develop alternate approaches supported by local governments
Enhanced access for populations with mobility issues	Explore provision of valet services with subscription service recyclers and other stakeholders
95 percent of residents within 15 miles of a collection point	Target July 1, 2025 to meet standard
Additional locations for larger communities	Broad coverage by July 1, 2025 and additional locations to meet standards by December 2027

Circular
Action
Alliance

Materials Strategy

Materials Strategy

- CAA reviewed SIMs and other materials against RMA criteria in developing program plan material recommendations for material pathways and proposals

- In CAA's view, material additions to the USCL will be required over time to meet the RMA's statewide recycling rate goals for plastic

- CAA recognizes that on–ramping additional materials requires consultation and coordination with producers, processing facilities, local governments and other stakeholders

- Process to develop plan to add PET Thermoforms could act as a template for review of other potential USCL materials

Circular
Action
Alliance

Proposed Additions to the USCL

Material/Category	Proposal	Estimated Investment	Proposed Timing	Details/Rationale
PET Thermoforms	Address SIM needs and seek to add this material to the USCL	TBD (in discussions with CRPFs and REMs)	July 1, 2027	• Performs well against ORS criteria • Processing and end market needs are addressable
Transparent blue and green PET bottles	Transition to USCL	No investment required	July 1, 2025	CAA understands from stakeholder discussions that transparent blue and green PET bottles are widely recycled
Spiral wound containers	Transition to USCL	No investment required	July 1, 2025	Responsible end markets available where there are no concerns about related air emissions

Proposed SIM Handling

Material/Category	Current list	SIM details	Proposal
PET Thermoforms	Not accepted for recycling	Propose efforts to support recycling of PET thermoforms	See previous slide – address SIM needs and seek to add this material to the USCL
PET and PP cups	Not accepted for recycling	Propose efforts to understand and address the system challenges associated with single–use cups.	Operate limited trials at curbside including education, collection, processing, capture studies and REM implications
Polycoated cartons (gable-top and aseptic)	USCL material	Propose efforts to support processing and marketing	• Work with CRPFs to explore the barriers they face in sorting and/or storing cartons and review funding options for any necessary incremental infrastructure • Explore offering a marketing service for cartons, which would be voluntary for CRPFs • Ensure materials are routed to REMs and will consider adjustments to fees to provide any necessary funding
Aluminum foil and trays	PRO depot material	Develop outreach resources to encourage recycling of foil at depots (some residents may currently recycle curbside)	• Targeted education and outreach (E&O) activity
Nursery packaging	USCL (some)	Propose efforts to support processing and marketing	• Targeted E&O activity to avoid contamination • Explore CRPF needs and end market pathways

Circular
Action
Alliance

Proposed SIM Handling

Material/Category	Current list	SIM details	Proposal
Glass bottles and jars	PRO depot material (and commercial on-route)	Develop outreach resources to encourage recycling of glass at depots; develop new end market(s)	• Targeted E&O activity • Explore end market development through supply agreements
Steel & aluminum aerosols	PRO depot material	Develop outreach resources to encourage recycling of foil at depots (some residents may currently recycle curbside).	Targeted E&O activity
Shredded paper	PRO depot material	Develop outreach resources to encourage recycling of shredded paper at depots (some residents may currently recycle curbside)	Targeted E&O activity
Polycoated paperboard packaging	Not accepted for recycling	Propose efforts to understand and address user behavior and impacts on MRFs and end markets.	Operate limited trials at curbside including education, collection, processing, capture studies and REM implications

Circular Action Alliance

Responsible End Markets (REMs)

PRO Responsibilities for REMs and CAA's Strategy

The PRO must describe the following:

- How it will **verify** that the recycling supply chains, including end markets, are meeting the "responsible" standard
- How it will **track** material flows to enable quarterly disposition reporting
- Arrangements it proposes to make with processors to **ensure that covered products are recycled** at a REM
- How it will **follow the hierarchy of materials management** (i.e., ensuring that materials are sent for recycling to their highest and best use)

CAA's Strategy:

- Develop a national REM approach, adapted to state-specific REM requirements
- Four main elements:
    - REM verification
    - Material tracking (Material Flow Management System)
    - REM intervention
    - Material management (sales of material CAA owns)

PRO Responsibilities – Verification Approach

Approach developed based on international audit standard (ISO 19011),
with cost as significant consideration

3-step process + chain of custody control system (Materials Flow Management System)

Verification action	When	Who	Purpose
Initial screening	Immediately for each unverified end market	CAA and CRPFs (collaboration)	Obtain self-attestation form (DEQ) Pre-approve markets
Reporting review	Quarterly	CAA	Detect any reporting anomalies Calculate recycling yield
Audit	Annually	Verification bodies contracted by CAA	Verify compliance and severity with REM standards

Main challenges anticipated:
- Number of entities to audit
- Lack of contract agreement with end markets entities
- Verification at converter level (food packaging and children's product)

PRO Responsibilities – Material Tracking

CAA will develop an internal Materials Flow Management System to be used by CRPFs and end market entities.

The system will:

- Collect and save data from different service providers and partners
- Protect confidential data
- Ensure independent verification
- Report information

CAA will use a random bale tracking process for material likely to be sent overseas to validate Materials Flow Management System reporting.

Main challenges anticipated:
- Data confidentiality
- Data reconciliation
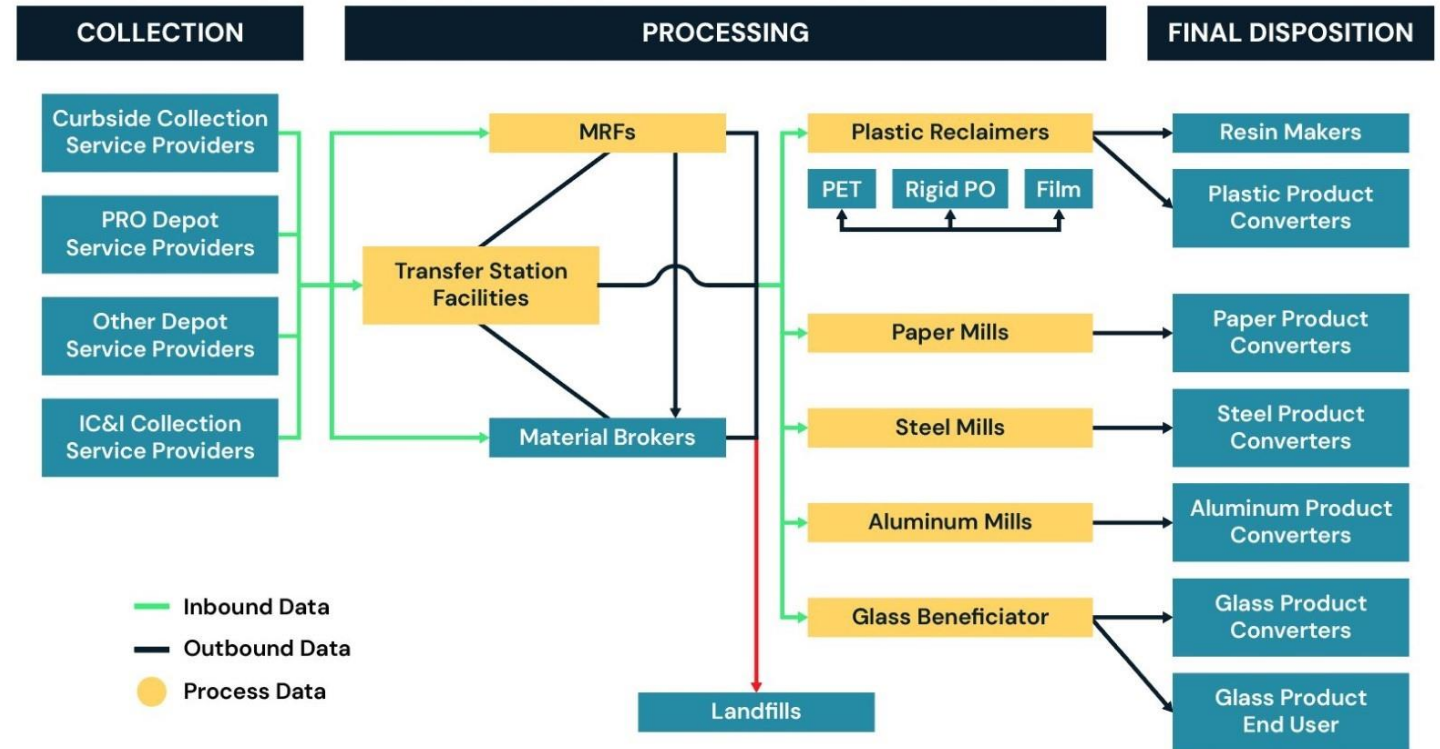
PRO Responsibilities – REM Intervention

PRO must take practicable action when end markets are not compliant with standards.

Therefore, the CAA budget includes a dedicated fund for end market development initiatives. The fund will be financed by allocating 3-5% of expected commodity value (industry standard)

CAA guidelines to take practicable actions when needed:
- Take actions according to type of non-compliance (severity)
- Take practicable actions in priority at North American entities and will limit its actions overseas
- Where possible, focus mainly on supply agreement and supply quality (instead of making direct investments) and/or partner with other organizations that can provide investments

CAA will not take actions if:
- Other REMs already exist for a material
- The entity processes a low volume from Oregon
- The entity is not financially stable

Education & Outreach

Goals of the Education and Outreach Plan

1. **Widespread recycling awareness** for single–family & multi–family homes, commercial businesses, institutions, and NGOs. Recycling awareness includes:

    -   Knowledge of materials accepted on the Uniform Statewide Collection List (USCL), including changes to current local accepted material lists

    -   Knowledge of materials collected at PRO depots

    -   Knowledge of contamination and its impacts

2. **Increase public participation and capture/tonnage collected and drive down contamination**

3. **Meet requirements to be responsive to diverse audiences throughout Oregon**

Statutory Requirements for Education and Outreach

RMA education and outreach will:
- Reach Oregon's 4.2M residents living across 1.6M households
- Reach approximately 120K businesses, NGOs, and institutions

Collateral must be culturally responsive to diverse audiences:
- Translated into multiple languages (where at least 1,000 people speak English less than very well)
- Be responsive to people with disabilities
- Account for rural vs. metro internet access to government services

Statewide promotional campaigns will supplement local education and outreach, using media channels that may include print publications, radio, television, websites, social media and online streaming services

Circular
Action
Alliance

Collateral and Online Portal Development

- Local government collateral will include:
  - Customizable mailers, handouts, photos/illustrations, and a social media toolkit
  - Signage developed in consultation with local governments and service providers including signage for depots, commercial and multi-family, and decals for roll carts

- Collateral will address resident confusion stemming from changes, including:
  - Shifts related to the USCL
  - Materials accepted at depots and locations of depots
  - Instructions to reduce contamination (e.g., residue and not-accepted materials)

- The online portal will be a crucial channel to share templates and collateral with local governments and their service providers. It will:
  - Leverage existing local government communication to amplify messaging and impact
  - Ensure alignment with statewide messaging

Timeline: Pre-Program Implementation (see Appendix for details)

Campaign and Educational Collateral Development and Stakeholder Consultations

- **Research and concepts:**
    - **April 2024–June 2024:** Research and consultation with ORSAC, local governments, service providers, CBOs and DEQ
    - **October 2024:** Presentation of audience research and campaign concepts to ORSAC

- **Testing and production of draft materials:**
    - **January 2025:** Presentation of Batch 1 materials to ORSAC and submission of Batch 1 materials to DEQ

- **Distribution of Education and Outreach Materials By February 1, 2025:**
    - **February 2025 – June 2025:** Design and editable files available for local governments and service providers to download – provided in batches.

Program commences

- **PHASE 1: July 1, 2025 – December 2025: Introduction of the USCL and PRO depot recycling lists**

- **PHASE 2: 2026 – 2027 Continued engagement/maintenance & responsive, material-specific supports - deliver support to effectively engage frequent, infrequent, and non-participating audiences to increase capture of materials**

Circular
Action
Alliance

Equity

CAA's Equity Approach

- CAA's will strive toward meeting program goals and objectives while being as fair and inclusive as possible in providing access to recycling services in Oregon, including underserviced rural and urban communities and locations

- CAA consulted with local community organizations such as Trash for Peace in the development of its Program Plan

- Education and outreach efforts will include:
  - Co-creation, translation, transcreation, CBO engagement, ADA compliance and more

- PRO Depot network efforts will include:
  - Provision of collection services for people with mobility challenges
  - Prioritization of events and mobile collections that bring recycling closer to communities that must travel further distances to existing recycling depots
  - Working to identify any depot sites on tribal lands, and prioritizing contracting with these sites
  - Exploring partnerships with community groups that collect PRO depot materials but may not qualify for permits or meet the definition of "depot" or "drop off center"

Circular Action Alliance

CAA's Equity Approach (continued)

- Responsible end markets (REMs) efforts will include:
  - Ensure that new markets that CAA supports are developed in ways that minimize risks to public health and worker health and safety
  - Provide opportunities to businesses that are a small business, veteran owned, owned by a disadvantaged class, not-for-profit business, or are B Corp certified PLUS businesses with affirmative labor practices, such as hiring preferences for underserved groups, living wages, or those utilizing organized labor

- PRO admin efforts will include:
  - Developing an approach that provides opportunities to businesses that have:
  - Certification under the Oregon Certification Office for Business Inclusion and Diversity (COBID) as minority-owned businesses
    - Women-owned businesses
    - Businesses that service-disabled veterans own
    - Emerging small businesses
  - CAA will utilize Oregon's Certification Office for Certified Business Inclusion and Diversity (COBID) site to identify these potential businesses where possible

Circular
Action
Alliance

Program Financing & Fees

Oregon Program Budget and Fees: Overall Fee–Setting Approach

System

Determine System Costs

(Collection, ops, processing, access capital, service expansion)

Include all elements of Oregon program costs

By Material

Allocate System Costs to Materials

(Supply Tons and CTM Index)

CTM Index is a method to allocate system costs based on a material's actual cost to recycle

By Material

Eco Modulate
(details in 2nd Program Plan)

Add Other Costs
(Education, Reserves, Material Specific Costs, PRO, Admin etc.)

Offset Material Costs with Revenues

By Material

= NET FEES

Net Fees by Material

RMA Requirements

- *Fees proportional to material costs*
- *Average fees for non–recyclable covered products higher than recyclable covered products.*
- *Must incentivize producers to reduce environmental and health impacts of covered products*

Circular Action Alliance

44

Preliminary Oregon Program Budget – Base Case vs High Case

Preliminary Three-Year Budget Estimates (details in Appendix)			
Year	**Pre-Program to 2025**	**2026**	**2027**
Base Case	$218.6 M	$334.2 M	$373.8 M
High Case	$286.7 M	$435.7 M	$482.6 M

- Program start-up costs funded through Founding Member loans are included in the 2025 costs
- Capital investments make up a large portion of the program budget:
  - Large variability in certain program estimates:
    - Local government compensation for service expansions
    - Depot system costs
- Program reserves will build up over time
- The Oregon Recycling System Optimization Project will increase the accuracy of these cost estimates
- These figures will most likely change in the second Program Plan submission

Base Fees Using 8 Material Classes

Preliminary Base Fees (Material Class Level)

Program Year 2025	Base Case		High Case	
Material Class	Fee Rate	Revenue Budget $	Fee Rate	Revenue Budget $
Printing and Writing Paper	2.0 ¢/lb	$ 6,800,000	3.0 ¢/lb	$ 7,100,000
Paper/Fiber	6.0 ¢/lb	$ 35,100,000	11.0 ¢/lb	$ 45,000,000
Plastic – Rigid	24.0 ¢/lb	$ 48,900,000	43.0 ¢/lb	$ 61,300,000
Plastic – Flexible	37.0 ¢/lb	$ 118,300,000	71.0 ¢/lb	$ 158,900,000
Plastic – Other	27.0 ¢/lb	$ 2,600,000	49.0 ¢/lb	$ 3,300,000
Glass and Ceramics	14.0 ¢/lb	$ 9,200,000	24.0 ¢/lb	$ 11,000,000
Metal	8.0 ¢/lb	$ 2,900,000	13.0 ¢/lb	$ 3,300,000
Wood and Other Organic Materials	4.0 ¢/lb	$ 1,700,000	6.0 ¢/lb	$ 1,700,000
	15.0 ¢/lb	**$ 226,000,000**	**26.0 ¢/lb**	**$ 292,000,000**

Avg. Fee (c/lbs)	
USCL	6 ¢/lb
PRO	27 ¢/lb
N/ A	31 ¢/lb
	15 ¢/lb

- CAA has aggregated fee estimates into simplified material classes for the purposes of initial estimates
- Revised Program Plan will include fee estimates for proposed 62 material categories
  - Total volume of reported producer supply will not be known until most producers provide supply reports
  - Initial base fee rates and program financing strategies will be developed to ensure adequate cash flow and to the extent possible minimize the impact of financial risks on program operations

Circular
Action
Alliance

Graduated Fee Structure

CAA proposes to develop voluntary interim eco-modulation fee adjustments for inclusion in revised Program Plan.

CAA will consult with producers and other stakeholders on options between now and August to align on proposal for September plan.

DEQ rule-making concepts on eco-modulation and LCA criteria impacts will also be considered if finalized before the resubmission of the Program Plan.

CAA will also continue to work on permanent eco-modulation fee elements once necessary data inputs are available and there is better cost certainty associated with the base fee structure:
- These will be proposed under future program plan amendments

Conclusion

CAA acknowledges that key elements of the Program Plan require further development but believes that the plan lays the groundwork for a robust framework that will meet RMA objectives.

CAA is committed to working with DEQ, producers, local governments, state recyclers and other stakeholders to implement a better recycling system for the state of Oregon and undertake the work necessary to finalize Program Plan proposals.

CAA looks forward to ongoing dialogue with ORSAC as an important part of the program development and program implementation process and welcomes your comments on this plan.

Questions

Thank You

Appendix

Initial Estimates of Service Expansion Requests

Program Plan, as required, includes an initial estimate of funding for local government service expansion requests but these will change significantly as more information is obtained from local governments.

Preliminary Estimated Funding for Local Government System Expansion	
2025	$54 million to $70 million
2026	$143 million to $186 million
2027	$159 million to $207 million
Total Program Plan Funding	**$356 million to $463 million**

The timing and approach of 2023 Needs Assessment created some inherent limitations, so CAA will need to conduct further outreach to fully understand system expansion needs to:

- Reconcile the proposed rule concept priorities with county and city requests

- Coordinate city and county requests within counties

- Explore geographic considerations in scheduling system expansion requests (equity between regions)

- Develop a process for incorporating both local government and related service provider feedback

- ***CAA will also need to ensure the funding requests and investments are "right-sized" to the anticipated volumes in the system.***

Initial Proposed Depot Collection Targets

Material	Proposed Collection Targets and Rates	Average Tons/Year per Collection Point	Average Pounds per Participant per Year
Steel and Aluminum Aerosol Packaging	325 tons (11.6% collection rate)	1.03	1.88
Single-Use Pressurized Cylinders	120 tons (15% collection rate)	0.38	0.69
Polyethylene Film Packaging	1,950 tons (5.9% collection rate)	6.16	11.27
Aluminum Foil and Pressed Foil Products	390 tons (6.2% collection rate)	1.23	2.25
Block White Expanded Polystyrene	490 tons (9.2% collection rate)	1.55	2.83
Polyethylene (PE) and Polypropylene (PP) Lids and High-Density Polyethylene (HDPE) Package Handles	290 tons (10% collection rate)	0.92	1.68
Plastic Buckets, Pails, and Storage Containers	975 tons (15% collection rate)	3.08	5.64

Plastic Recycling Rates

- Oregon currently has limited official data on the generation and recycling of plastic material, especially at levels of detail that would allow a more precise understanding of recycling rates for specific plastic materials, including the generation source of these materials (e.g., residential vs non-residential)

- Oregon DEQ has indicated that it will work to release data by August 2024 for the year 2022 to help inform planning toward achieving plastic recycling goals and related calculations

- CAA's initial estimated baseline recycling rate is as follows:

Recycled Tons	50,538
2023 Generated Tons	253,900
Plastics Recycling Rate	20%

- CAA projects the 2028 generation tonnage to be 268,863 with 67,216 tons recycling needed to meet the 25% target, leaving a difference between the target tonnage and 2023 baseline of 16,678 tons

- In Program Plan, CAA has made preliminary projections of activities and investments that may be able to deliver this tonnage

PRO responsibilities: Materials Management Hierarchy

The PRO needs to prove the end market provides the "best environmental outcome" (based on LCAs), with a focus on glass, cartons and polystyrene (PS).

CAA's approach:

- Glass: support the development of production capacity to diversify potential markets for recovered glass, through supply agreements

- Cartons: Work with Carton Council to source non-wallboard markets (e.g., tissue)

- PS: Send materials to identified mechanical recycling markets in California and China

CAA will explore how and if chemical recycling can be considered a responsible end market pathway for materials generated in Oregon.

Timeline: Pre-Program Implementation

Campaign and Educational Collateral Development and Stakeholder Consultations

- **April 2024–June 2024**
  - Initial audience research, including equity component
  - Development of campaign concept, ads, website and collateral including campaign concepting
  - Consultation process with ORSAC, local governments, service providers, CBOs and DEQ

- **July to September 2024:**
  - Development and local government review of USCL communications strategy

- **Early to mid-October 2024 (*proposed*):**
  - Presentation of audience research and campaign concept to ORSAC

- **October 2024–January 2025**
  - Qualitative testing to inform transcreation of materials
  - Production of Batch 1 materials: USCL guide, cart label, style guide, messaging timeline, newsletter article, web domain/QR code
  - Initial production of Batch 2 materials: social toolkit, press release, newsletter article, website messaging, print materials

- **January 2025 (proposed):**
  - Presentation of Batch 1 materials to ORSAC and submission of Batch 1 materials to DEQ

Circular
Action
Alliance

Timeline: Pre-Program Implementation (continued)

Campaign and Educational Collateral Development and Stakeholder Consultations

- **By February 1, 2025:**
    - Batch 1 Design and editable files available for local governments and service providers to download

- **February–April 2025:**
    - Complete production of Batch 2 materials for April 1 dissemination
    - Initial production of Batch 3 materials (those required by June 1): website strategy and design
    - Initial production of Batch 4 materials (those required by July 1): ad materials – video, radio, banner, social, native, OOH, print, search

- **By April 1, 2025:**
    - Portal launches
    - Batch 2 materials available for download

- **April–June 2025**
    - Complete production of Batch 3 materials
    - Mail house coordination and PR planning

- **By June 1, 2025**
    - Updated public-facing website is live
    - Delivery of local government and service provider orders of printed waterproof materials

- **By July 1, 2025**
    - All other educational resources are available and campaign is launched, ramping up through August

Timeline: Program Implementation

PHASE 1: Program commences

- **July 1, 2025 – December 2025: Introduction of the USCL and PRO depot recycling lists**
    - Emphasis on getting accurate information to all residents, businesses, and institutions to educate on the updates and encourage new recycling behavior
    - Statewide campaign deployed widely, with translated/transcreated materials available for targeted dissemination

PHASE 2: Continued engagement/maintenance & responsive, material-specific supports;

- **January 2026 – December 2027: Deliver support to effectively engage frequent, infrequent, and non-participating audiences to increase capture of materials**
    - Continuing to drive residents to PRO resources (depots, website, etc.)
    - Continue to improve confidence in Oregon's recycling program
    - Increase participation, capture, and decrease contamination, including building awareness of updates and changes to the USCL

Circular
Action
Alliance

Preliminary Oregon Program Budget – Base Case vs High Case

	Base Case			High Case		
	Pre-Program + 2025	FY2026	FY2027	Pre-Program + 2025	FY2026	FY2027
LG Collection Services Expansion	$ 53,900,000	$ 143,100,000	$ 158,900,000	$ 70,070,000	$ 186,030,000	$ 206,570,000
Contamination Reduction Programming	$ 13,100,000	$ 13,100,000	$ 13,100,000	$ 13,100,000	$ 13,100,000	$ 13,100,000
Transportation Reimbursement	$ 4,800,000	$ 12,600,000	$ 9,500,000	$ 6,240,000	$ 16,380,000	$ 12,350,000
Others	$ 1,100,000	$ 1,200,000	$ 1,200,000	$ 1,430,000	$ 1,560,000	$ 1,560,000
Payments to CRPFs	$ 25,300,000	$ 50,400,000	$ 76,600,000	$ 32,890,000	$ 65,520,000	$ 99,580,000
PRO Materials Management (Depots)	$ 33,900,000	$ 54,100,000	$ 56,800,000	$ 44,070,000	$ 70,330,000	$ 73,840,000
REM Development and Verification	$ 2,900,000	$ 3,200,000	$ 3,200,000	$ 3,770,000	$ 4,160,000	$ 4,160,000
Special Material Investments incl. SIMs	$ 7,750,000	$ 2,000,000	$ 2,000,000	$ 10,000,000	$ 2,600,000	$ 2,600,000
Education and Outreach	$ 10,400,000	$ 7,500,000	$ 7,600,000	$ 12,800,000	$ 9,750,000	$ 9,880,000
Regulatory	$ 8,150,000	$ 9,417,000	$ 15,600,000	$ 8,150,000	$ 10,871,000	$ 16,500,000
PRO Management and Administration	$ 11,800,000	$ 10,300,000	$ 11,050,000	$ 14,200,000	$ 13,390,000	$ 14,430,000
Program Reserves	$ 45,500,000	$ 27,300,000	$ 18,200,000	$ 70,000,000	$ 42,000,000	$ 28,000,000
Total Budget	$ 218,600,000	$ 334,217,000	$ 373,750,000	$ 286,720,000	$ 435,691,000	$ 482,570,000

Material Class	Reporting Category	Accepted - USCL or LG Depot	Accepted - PRO RAL
Printing and Writing Paper	Newspapers	Y	N
	Newsprint (inserts and circulars)	Y	N
	Magazines and Catalogues & Directories	Y	N
	Paper for General Use	Y	N
	Other Printed Materials	Y	N
Glass and Ceramics	Glass Bottles and Jars & Other Containers	N	Y
	Ceramic - All Forms	N	N
Metal	Aluminum Containers	Y	N
	Aluminum Foil and Molded Containers	N	Y
	Aluminum Aerosol Containers	N	Y
	Aluminum Other Forms	N	N
	Steel Containers	Y	N
	Steel Aerosol Containers	N	Y
	Steel - Other Forms	N	N
	Metal - Small Format	Y	Y
	Pressurized cylinders	N	Y
Paper/Fiber	Aseptic and Gable-top Cartons	Y	N
	Kraft Paper	Y	N
	Corrugated Cardboard	Y	N
	Corrugated Cardboard (Tertiary/transport) non-consumer	Y	
	Paperboard	Y	N
	Polycoated Paperboard	N	N
	Other Paper Laminates	N	N
	Other Paper Packaging	Y	N
	Paper - Small Format	Y	N

Circular Action Alliance

Appendix: CAA Oregon Reporting Categories (62) – Summary

Material Class	Reporting Category	Accepted - USCL or LG Depot	Accepted - PRO RAL
Plastic - Rigid	PET (#1) - Bottles, Jugs, and Jars (Clear/Natural)	Y	N
	PET (#1) - Bottles, Jugs, and Jars (Pigmented/Color)	N	N
	PET (#1) - Thermoformed Tubs	Y	N
	PET (#1) - Thermoformed Containers, Cups, Lids, Plates, Trays	N	N
	PET (#1) - Tubs	Y	N
	PET (#1) - Other Rigid Items (including containers)	N	N
	HDPE (#2) - Bottles, Jugs and Jars (Clear/Natural)	Y	N
	HDPE (#2) - Bottles, Jugs and Jars (Pigmented/Color)	Y	N
	HDPE (#2) - Pails & Buckets	Y	Y
	HDPE (#2) - Tubs, Nursery (plant) pots & trays	Y	N
	HDPE (#2) - Package Handles, Lids	N	Y
	HDPE (#2) - Other Rigid Items (including containers)	N	N
	PVC (#3) - Rigid Items	N	N
	LDPE (#4) - Bottles, Jugs and Jars	N	N
	LDPE (#4) - Lids	N	Y
	LDPE (#4) - Other Rigid Items	N	N
	PP (#5) - Bottles, Jugs and Jars	Y	N
	PP (#5) - Thermoformed Containers, Cups, Plates, Trays (non-nursery (plant)	N	N
	PP (#5) - Thermoformed Lids	N	Y
	PP (#5) - Thermoformed Tubs, Nursery (plant) pots & trays	Y	N
	PP (#5) - Lids	N	Y
	PP (#5) - Tubs, Pails and Buckets, Nursery (plant) pots & trays	Y	Y
	PP (#5) - Other Rigid Items	N	N
	PS (#6) Expanded/Foamed Hinged Containers, Plates, Cups, Tubs, Trays, and Other Foamed Containers	N	N
	PS (#6) White Expanded/Foamed Cushioning and Void Fill	N	Y
	PS (#6) Colored Expanded/Foamed Cushioning and Void Fill	N	N
	PS (#6) Rigid Non-Expanded	N	N
	PLA, PHA, PHB - Rigid Items	N	N
	Other/Mixed Rigid Plastic	N	N

Appendix: CAA Oregon Reporting Categories (62) – Summary

| Material Class	Reporting Category	Accepted - USCL or LG Depot	Accepted - PRO RAL
Plastic - Flexible	HDPE (#2)/LDPE (#4) Flexible and Film Items	N	Y
	HDPE (#2)/LDPE (#4) (Pallet Wrap) non-consumer	N	Y
	PP (#5) Flexible and Film Items	N	N
	PLA, PHA, PHB - Flexible and Film Items	N	N
	Plastic Laminates and Other Flexible Plastic Packaging	N	N
Plastic - Other	Plastic - Small Format	N	Y
	Plastic containers for motor oil, antifreeze, or other automotive fluids, pesticides or herbicides, or other hazardous materials (flammable, corrosive, reactive, toxic)	N	N
Wood and Other Organic Materials	Wood and Other Organic Materials	N	N

Circular Action Alliance

Break - **Please return at 10:40 a.m.**

Public input

- To sign up: Use the "raise hand" function (usually in your Reactions panel)
  - If you cannot use the "raise hand" function, please send a chat to Stephanie Caldera ("Host") to sign up

- When called on to start, please state your name and organization, if applicable

- Please limit input to three minutes or less

- Written material can be emailed to Stephanie Caldera: *Stephanie.Caldera @deq.Oregon.gov*

- This is not formal public comment on any proposed rulemaking
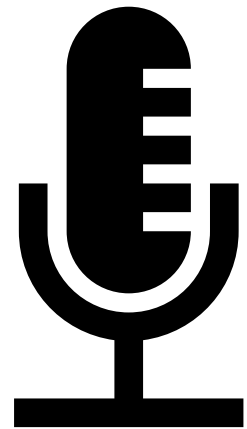
Next steps

Written feedback to [Stephanie Caldera](#) by **Friday, April 19**

Upcoming Recycling Council meetings and topics

- **April 22 through June 7 -** PRO Plan review subcommittee meetings
- **June 11, 9-11 a.m.** – Draft PRO Plan recommendations from subcommittees
- **Week of June 24 (date and time TBD) -** Special meeting for final PRO Plan recommendations
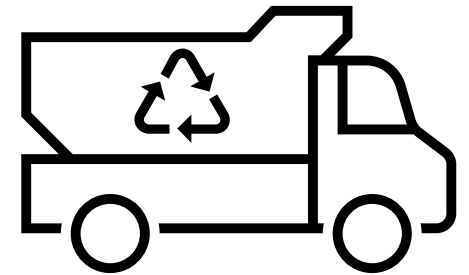
Thank you!

Notice of non-discrimination

DEQ does not discriminate on the basis of race, color, national origin, disability, age or sex in administration of its programs or activities. Visit DEQ's Civil Rights and Environmental Justice page.

Translation or other formats

Español | 한국어 | **繁體中文** | **Русский** | **Tiếng Việt** | العربية

800-452-4011 | TTY: 711 | deqinfo@deq.oregon.gov

2024 Council meetings: Dates and major topics

Meeting date	Major topics, in addition to standing items
April 22 to June 7 Special meetings	Subcommittees meet to develop draft recommendations for PRO Plan review
June 11	Draft subcommittee recommendations for PRO Plan review
Week of June 24 Special meeting	**Action: Affirm final recommendations to DEQ and PRO for PRO Plan review**
August 13	Review Equity and Multifamily studies; review Recycling Council biennial legislative report
October 8	Review PRO educational materials; potential review for draft two of PRO plan
December 10	**Action: Chair/vice-chair elections;** review of annual meeting schedule/calendar