



Recycling Steering Committee

Modernizing Oregon's recycling system with support from Oregon Consensus

Recycling Steering Committee Meeting

Agenda

September 25, 2019, 10 a.m. -3 p.m.

Portland State University, College of Urban and Public Affairs, Portland, 7th floor, Meyer Memorial Board Room (Ste. 710)

Join Zoom Meeting: <https://zoom.us/j/2348602747>

Dial: 669-900-6833

Meeting ID: 234 860 2747

Meeting Purpose: Re-engage the full Steering Committee in DEQ and subcommittee efforts that have occurred over the summer; familiarize with the work of the Frameworks effort; determine needs and questions from the broader stakeholder community; and set the course for the next few months of work.

10 a.m. Welcome, Introductions, Housekeeping, and Frame for the Day

10:15 a.m. DEQ Updates: Lydia Emer, Land Quality Administrator, and David Allaway, SC Project Lead, will provide updates to the Steering Committee regarding agency direction and resourcing for this process.

Objective: Clarity to the Steering Committee about the agency's drivers and commitments to working through the Steering Committee process to achieve a successful modernization of the recycling system.

10:45 a.m. Steering Committee Process Timeline

Objective: For Steering Committee members to understand timeline and scope of effort for the next year of SC process.

11 a.m.- Subcommittee Process/Product Milestones

1:45 p.m.

Objective: For Steering Committee members to understand and/or weigh in on key activities, updates, work products, and/or outcomes from its various subcommittees.

11 a.m. Legal/Relational Frameworks Subcommittee (Justin Gast, DEQ, and a SC Member)

Subcommittee process and products to date

- Introduce selected contractor team
- Provide overview of frameworks to be evaluated
- Describe proposed timeline for research and deliverables, including upcoming meetings and workshops
- Discussion of framework research and evaluation; introduce evaluation method

Objective: Deeper look into the process and products evolving through the frameworks subcommittee and contracted work.

12:15 p.m. Break to get lunch

12:45 p.m. (WORKING LUNCH) Stakeholder Engagement Subcommittee (Amy Roth and full SC)

- Amy Roth will share an overview of the Subcommittee activities from May-August.
- Steering Committee members will report out on outreach efforts and share questions and needs identified to date. Who are we connecting with? What needs have they identified? What questions do they have?
 - Legislative Days
 - Metro Council
 - Other connections with Elected officials
 - Other connections with organization members, Boards
 - Other outreach?

Steering Committee discussion about next steps with outreach: What substantive information do we need to share? What if any questions do we need to target with our constituencies at this point?

Objective: In addition to subcommittee objectives above, SC has broad situational awareness about the needs and concerns of stakeholders invested in or affected by this process.

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1:30 p.m. Infrastructure Subcommittee (Brian Stafki, DEQ)

Update on activities, research and timeline

Contamination Subcommittee (Dylan de Thomas, Laura Leebrick)

Update on activities

Objective: See Subcommittee Process/Product Milestones objective above.

2 p.m. Break

2:15 p.m. Public Comment

Members of the public may ask questions or weigh in on the discussions. As needed to allow time for all who wish to speak, time may be limited to 2-3 minutes per person.

2:30 p.m. Wrap Up and Next Steps

Objective: Action items out of today's session are determined and items for next Steering Committee meeting are identified

3 p.m. Adjourn

Meeting Summary

ACTION ITEMS:

ACTION	BY WHOM?	BY WHEN?
<ul style="list-style-type: none"> Oregon Consensus to share a list of known subcommittee meetings, SC meetings, and workshop dates with the group. 	OC	10/11/19
<ul style="list-style-type: none"> DEQ will connect with Washington State Department of Ecology to avoid potential scheduling conflicts for SC members. 	Brian Stafki, DEQ	ASAP
<ul style="list-style-type: none"> Draft meeting summary to SC members 	OC	10/4/19
<ul style="list-style-type: none"> Edits/refinements to meeting summary provided to OC. 	ALL	10/11/19
<ul style="list-style-type: none"> Circulate via email Metro staff to the Council and slide deck. 	Pam Peck, Metro	As available
<ul style="list-style-type: none"> OC to work with DEQ on workshop design and process for stakeholder invites. 	OC and DEQ	10/8/19
<ul style="list-style-type: none"> Abby Boudouris to send list of environmental stakeholder groups to Amy Roth. 	Abby Boudouris, DEQ	10/11/19
<ul style="list-style-type: none"> Provide updated SC roadmap with infrastructure meeting(s) and/or workshop(s) 	DEQ	As soon as known

Upcoming Key Dates:

Legal/Relational Frameworks

- **October 22nd 11am-1pm:** Method of evaluation and draft criteria review and refinement.
- **December 3rd 8:30am-1:20pm:** Review of the 11 proposed frameworks and draft preliminary scenarios
- **December 17th 10am-3pm:** Review of proposed framework scenarios.
- **January 30/31st:** Stakeholder ‘Come All’
- **Mid-March:** Scenario workshop and consensus seeking

Steering Committee Business Meetings: Anticipated mid-November and Mid-January TBD

Phase II Infrastructure Research Collections and Processing Development: Two meetings October/early November TBD

Near-term Communications Committee: October 2019

Near-term Markets Committee: November 6th and January 2020

Meeting Attendees:

Steering Committee Members: Dylan de Thomas, Sarah Grimm, Nicole Janssen, Shannon Martin (for Scott Keller), Laura Leebrick, Kristan Mitchell, Jeff Murray, Pam Peck, David Allaway, Abby Boudouris, Amy Roth, Timm Schimke, Jay Simmons, Vinod Singh, and Bruce Walker.

Facilitation Team: Robin Harkless and Amy Delahanty

DEQ Staff: Lydia Emer, Loretta Pickerell, Sanne Stienstra, Justin Gast, Peter Spendelow, Steve Siegel, and Brian Stafki

MEETING SUMMARY:

Welcome and Agenda Review

Facilitator Robin Harkless, Oregon Consensus, welcomed the group and members provided brief introductions. Robin then reviewed the meeting agenda and purpose, which were to: 1.) re-engage the full Steering Committee in DEQ and subcommittee efforts that have occurred over the summer 2.) familiarize with the work of the Frameworks and Infrastructure Subcommittee efforts; 3.) determine needs and questions from the broader stakeholder community; and 4.) set the course for the next few months of work. Robin highlighted there has been a lot of work that has occurred over the summer and build up to get to this critical juncture in the process.

DEQ Updates

Lydia Emer, Land Quality Division Administrator, shared a few updates related to the recent staffing changes on the Recycling Steering Committee Project and DEQ's commitment to this process and effort. Lydia shared that as noted in her email circulated to SC members prior to the meeting, David Allaway and Abby Boudouris will participate as the new co-chairs to the Steering Committee project. Lydia shared that while there will be two people at the table, both Abby and David will speak as one voice for DEQ. Lydia then reiterated DEQ's commitment and importance of the effort to modernize Oregon's recycling system. DEQ looks forward to working with partners to shift the recycling system towards the 2050 vision, designing legislative policies with full life-cycle materials in mind. She then thanked SC members for their work and commitment towards the future of recycling in Oregon.

David Allaway and Abby Boudouris then introduced themselves and shared additional comments with the group. Comments included, but were not limited to, the following:

- There has been an immense amount of work, time, and effort put into the process. A solid foundation has been laid for the next phase and things will become very productive and intense as the group moves towards workshops and deliberations.

- Thank you to DEQ staff members for their contributions and support to the project. There has been a huge amount of lifting to date, even if it has largely been behind the scenes. David noted without that, the group couldn't be at this exciting inflection point.
- There was an acknowledgment some have expressed frustration that the Steering Committee hasn't solved immediate, short-term issues, such as the materials list. David reiterated his understanding that short-term actions is not within the scope of the Steering Committee and there are other venues to discuss short-term changes. This Steering Committee was created to consider whether longer-term changes to Oregon's recycling system are appropriate, and in order to complete this project on time, and free members from this obligation, he will keep the discussion focused on longer-term changes.
- In implementing the 2050 Vision, there is an opportunity to rethink recycling through the perspective of sustainable materials management, and see where that might take the group. Recycling programs in Oregon have delivered significant environmental benefits. And it is difficult to envision how Oregon might achieve the 2050 Vision without more recycling. DEQ is committed to exploring the options with SC members in a spirit of open-minded, intellectual curiosity coupled with hard-nosed analysis and critical thinking. DEQ is committed to using this process to gather information to assist in forming solutions. It does not have a hidden agenda and hopes others are taking the same approach and spirit.
- Abby Boudouris briefly touched on Extended Producer Responsibility (EPR). She highlighted EPR is a large umbrella that includes many different types of policies. Some policies are fairly compatible with existing systems in Oregon, and others are less so. There are signals that producers and the packaging industry are warming to the idea of EPR. While DEQ Director Richard Whitman tasked staff to look at different components of EPR, it's unclear whether the agency will advocate for them as this process move forward. There needs to be further exploration in this process.
- DEQ believes the community needs to be prepared for legislative activity on the topic of recycling in 2021. Whether DEQ prepares legislation; this Committee reaches a consensus recommendation that involves legislation; or DEQ is responding to legislation by others, remains to be seen. The legislative action may be a big bill, or the first of several installments. The public appears keenly interested in this topic, and DEQ is hearing that interest from legislators in Salem and the environmental community. DEQ hopes to lean in with the SC to develop concepts that will be workable for all.
- DEQ serves as both a convener of the Steering Committee and a stakeholder. Once there has been an evaluation of the options, it's anticipated the agency will start advocating in favor of specific solutions -- again, with the hope that the partners will be on board and willing to offer support or leadership.

The following comments were offered:

- We want to recycle better, not just more. While SC members have a more nuanced understanding of what it means to recycle more, the public does not, and it is one reason why we are

experiencing issues in the system. We want to create a better product. We want to be cautious about certain messaging to the public.

- Response: our motivation is not to achieve a higher recovery rate to just get a higher recovery rate; it's to reduce environmental impacts. Considering the collective impact of Oregon economy, there's a huge gap between our current level of impacts and where they need to be to be sustainable. We need to activate lots of different approaches. Improvements in the recycling system are some of those tools. We have a fairly long history in the state and we have incrementally added more to the recycling system. We have seen that approach has hit limitations. One of those limitations is a lack of attention to quality. Fixing the quality problem is central to making recycling sustainable and to the potential to add more materials to recycling programs.
- The SC and OC facilitation team expressed thanks to Loretta Pickerell and DEQ staff for their leadership during the last couple years, recognizing them for the important foundational work and relationship building that had been accomplished during her leadership.

Steering Committee Process Timeline

Robin reviewed the updated process timeline with the group. She provided an update of where Steering Committee is; where they are headed in fall and winter; and acknowledged there had been delays due to the scale and complexity of the research and information gathering. She then reviewed several of the SC milestones to date and signaled the group will be having workshops this winter/early spring 2020. The anticipated 'end date' for this phase of the SC process will be in June 2020 and will lead up to the 2020/2021 legislative session. Implementation plans are slated for development in summer 2020. Following this, Robin shared there are additional details not reflected in the high-level work plan. One such detail is the sequencing for the frameworks and infrastructure meetings/workshop(s). There is more information to be shared today about frameworks and more to come on infrastructure; Robin committed that OC will update the group as details are made available.

ACTION: OC will provide a list of meeting dates related to this project so everyone can track the various committee work now that the process has picked up momentum and more information is flowing through this process. SC members will be included in email notifications with meeting dates and summaries from each of the subcommittees.

Frameworks Research Update

Justin Gast (DEQ) presented information about the Legal/Relational Frameworks Subcommittee activities and research to date; a description of the proposed timeline for research and deliverables, including upcoming meetings and workshops; and a discussion of framework research and evaluation. The following is a summary of the Frameworks timeline (*see PPT for additional details*). **SC members were encouraged to attend all of the below meetings:**

- **October 22nd:** meeting for the subcommittee and SC members to review and discuss a draft method of evaluation and draft criteria – these will be drafted by RRS (the contracted researcher) and sent in advance of this meeting.

- **December 3rd:** RRS will present the 11 frameworks (including Oregon's) and draft preliminary scenarios for SC members and Frameworks subcommittee members' feedback.
- ***December 17th:** SC members and Frameworks Subcommittee members will take a deep dive into the five proposed framework scenarios. There will be a consensus check with SC members to determine the framework scenarios proposed for in-depth evaluation by RRS.
- **January 30/31st: Stakeholder 'Come All'.** This meeting will be intended to be an opportunity for SC and subcommittee members along with additional stakeholders to hear directly from RRS regarding their in-depth evaluation of the scenarios. This meeting is intended to assist SC members with their deliberations and reduce the burden of teaching and educating their constituencies about the research second hand.
- ***March:** Scenario workshop, possible final deliberations and consensus check. Here SC members will seek agreement and consensus on a preferred scenario(s) or elements of a preferred scenario. There will be a consensus check at this meeting.

*Robin reminded the group of the consensus framework articulated in their Charter. In this process, consensus is aimed toward group members' willingness to live with a scenario/elements of a proposed scenario, with an acceptable range between strong support all the way to strong concerns but a willingness not to block forward movement on the proposal. (SEE SC CHARTER for specific protocol.)

There was then questions and comments related to the proposed 11 frameworks and timeline. A detailed summary can be found in Appendix A.

Stakeholder Engagement Subcommittee Update:

Amy Roth (AOR) provided an overview of the activities of the Stakeholder Engagement Subcommittee over the summer, which included the following:

- **Public engagement.** Amy shared the subcommittee inquired about the potential to engage Oregon's Kitchen Table, a program of the National Policy Consensus Center, to assist DEQ and partners in a potential public engagement effort. For several reasons, the subcommittee and DEQ has paused on pursuing this further. David shared that stakeholder engagement is DEQ's primary interest at this juncture and that broader public engagement would occur at a later date in the process e.g. when implementation plans are being developed or implemented. David highlighted implementation plans would need to identify significant actions around community engagement and public education/messaging.
- **Stakeholder engagement report out.** At the May 10 Steering Committee meeting, SC members approved the stakeholder engagement plan and the first round of talking points. SC members were tasked with connecting with one of their medium/high influence and/or interest stakeholders using the talking points. Robin invited SC members to report on any stakeholder engagement outreach efforts and share any questions and needs identified. It was also noted that the Subcommittee developed a spreadsheet that identified a broad list of stakeholders which may be used moving forward to target engagement efforts of the SC. The following is a summary of stakeholder engagement updates to date:

- Legislative Days: DEQ, Metro, and the City of Eugene provided an update to the Legislature through the House Energy and Environment Committee. Presenters provided a brief overview of the market disruption; overview of Oregon’s recycling system and concurrence process; and Metro-specific responses to the market disruption (similar to what was shared at the July special session between Metro and ORRA recycling community). Abby noted DEQ has engaged the environmental community and relayed their growing interest in engaging more on a system-wide approach.
 - General Comment: It’s important to refine the message map and documents so that we are all using similar language and messaging that when we show up at various meetings.
- Metro Council: Pam Peck provided a brief update of Metro Council engagement since the July Special Session. They included, but were not limited to, the following:
 - There is a desire among the Council to make sure the public’s interests are being met;
 - The Council will look at other areas that support product stewardship;
 - There is a strong interest in this work and would like to see significant action taken in two years, particularly with investments;
 - There is a desire to look at how Oregon is modernizing a system that supports local end markets;
 - The Council would like to see public/private partnerships advanced and not be bound by the scope of the statewide process;
 - Pam will provide an update the December 3rd Metro Council meeting.
- Lane County Public Works Director and Councilors: Sarah Grimm provided a brief update of her conversation. She noted the director and councilors would like answers to the issue and wanted to make sure Metro Regional Government is aware of how much their decision impacts the communities south of them. They noted it is important that Metro collaborates with others in the state and to hear from other cities in the Region.
- Association of Oregon Recyclers: Amy Roth shared the AOR Board of Directors recently adopted a set of guiding principles. Amy shared AOR will use the guiding principles as a tool for their internal decision making and for how they will/will not support general decisions during the consensus-building process.
- Oregon Refuse and Recycling Association: Kristan Mitchell shared that she has been regularly speaking with her board and executive committee. They are interested in more concrete deadlines. Kristan will plan to share a written report to SC members with additional details and updates from her conversations.

Next Steps with Stakeholder Outreach:

Following brief updates, SC members engaged in a discussion regarding next steps with stakeholder outreach and how to engage their constituencies for the upcoming frameworks meeting with RRS. Several questions were asked related to: the process for invitations (e.g. content development and outreach); meeting format (e.g. in person or via webinar); and expectations of stakeholder participation.

David reiterated the January 30/31 meeting is an opportunity for both stakeholders, interested parties, and the SC to hear about the in-depth evaluation of framework scenarios from the contractors. This will be information-sharing only and not a space for deliberation. SC members were encouraged to invite their high-influence high-interest stakeholders (e.g. elected officials, board members, etc.) that will assist them in their future deliberations. Additionally, several members shared a desire for the meeting to be webinar, or partially recorded, for those who are unable to travel to Portland/Salem in the winter. After some discussion about the above topics, it was suggested Oregon Consensus work with DEQ to outline a process design for the come-all meeting and share this back to the SC. **Everyone agreed** that direct invitations from each SC to their contacts will be more effective than just a general invite from DEQ or Oregon Consensus -- and this piece will be designed into the outreach strategy for the come-all event(s). **It was also agreed** David, Amy Roth, and Sanne will work to develop the meeting invite (in consultation with the engagement subcommittee as needed) and circulate it to the SC for a quick check on accuracy.

Infrastructure Research Update

DEQ staff members, Brian Stafki and Peter Spendelow shared brief updates regarding Infrastructure Research Subcommittee activities and research; proposed materials for research; examples of collection research alternatives; technologies addressed in the research; and draft timelines associated with the final phases of the work with the group (*see PPT for additional details*). Brian and Peter acknowledged the delay in the release of Phase I (Material Estimates) Research. Peter shared there was some misunderstandings with Cascadia and DEQ needed to spend additional time working with their team to review the work to ensure it reflected some unique characteristics in Oregon (e.g. Bottle Bill). A revised report has been circulated to the subcommittee members and the subcommittee planned to discuss it and plan the next steps for research at a meeting on 9/26. Brian shared that this research process will likely flow similar to the Frameworks in which workshops will be organized to allow SC to identify preferred collections and processing scenarios. The preferred scenarios for both the infrastructure and frameworks research will need to be integrated together and that convergence will happen in Spring 2020.

David Allaway offered that a great deal of progress has been made and things have been much more concrete since May. Both Infrastructure and Frameworks have moved forward and the research is underway. We are moving fast and furious through winter and early spring. Following Brian and Peter's presentation, questions and comments were raised related to trending effects of the Bottle Bill; contamination; ability for the research to list materials and compare that to the technologies available; how to capture material loss; and mechanisms to integrate the Secondary MRF Pilot Project. These questions and ideas will be filtered back to the Subcommittee and research team for consideration as the work proceeds.

Other Updates:

- There were no substantive updates from the Contamination Subcommittee. There may be an opportunity for the subcommittee to develop a list of best practices for contamination reduction/management for Oregon's system
- Dylan de Thomas shared that the Recycling Partnership will host contamination workshops in Oregon in November -- he noted that SC and other stakeholders were likely invited to attend this event and that it might be a place to evolve this work.

- Sanne Stienstra reported that the Near-term Communications Workgroup has worked together to develop a top contaminant list. They are meeting in October to revisit it as there have already been things changed as to what's on the list. The group will work to translate the materials into Spanish.
- Vinod Singh shared that the next Markets Workgroup will be held on November 6th. The group has moved to meeting every other month instead of monthly.

Public Comment:

There was no public comment given.

Next Steps:

Robin thanked the group for their work and reviewed the meeting's action items. She stressed that each SC member is a voice for the organization they are representing at the table and encouraged members to identify their level of decision-making authority and the process through which they will bring that authority to the deliberations. This will be important as proposals are brought to the group for consensus recommendation. David encouraged members to reach out to DEQ if they need any assistance with their stakeholder outreach.

Appendix A: Frameworks Research Update Questions and Comments

- Are there opportunities to propose additional frameworks that are not currently included in the frameworks research?
 - Response: Yes. When the SC builds the five scenarios, we are going to build them from elements that would be important to consider. There will be opportunity in the second meeting of December to provide that input.
- Will there be recommendations on how the scenarios should be implemented as part of RRS' final report?
 - Response: Higher-level (but not detailed) implementation recommendations will be included as part of the in-depth evaluation of the up to five scenarios.
- Where does the Bottle Bill come in? Will it stay as is? My assumption is it's sacrosanct.
 - Response: some EPR programs co-exist with a bottle bill; the bottle bill isn't necessarily impacted by the system. None can call anything sacrosanct. Regardless, we need to look at the Bottle Bill as we move forward and where does it fit in and where does it bump into things.
- How will the two tracks of research dovetail with one another?
 - Response: Those two tracks will fold into each other. This will likely be after we have seen detailed evaluation of the five framework scenarios and more detailed infrastructure scenarios. Then we start mixing and matching them when the SC talks about the whole package.
- Will we get a description of the frameworks, costs, and effectiveness?
 - Response: Every framework will get evaluated against the same criteria. Everything is looked at through the same lens. We also want to manage expectations. To truly understand all the ends and outs could consume a lot of time and budget. We don't have a bottomless budget. RRS will do high level summaries of the 11 frameworks and may be at a level of evaluation higher than what you're proposing. RRS team will be here in person and on the phone with experts on the frameworks should you have additional detailed questions.
- Not sure what Washington State's plans are. Will there be efforts to develop a regional system?
 - Response: Excellent question that is too soon to answer. Harmonization with other states could be desirable, but not if it's something that doesn't meet our functions. That's an inherent challenge in a country that is federalist. Not to mention 14k municipalities. Washington has goals set by legislature that is specific to plastic packaging. That has some overlap with the 2050 Vision, but is not a perfect overlap. Different states view the "problem" differently. We may find ourselves desiring harmonization, but disagreeing on the details.



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Recycling Steering Committee Work Plan, 9/20/19

The Recycling Steering Committee will work together to examine and make recommendations for modernizing Oregon's recycling system, in order to: optimize the environmental benefits of managing materials at the end of life using a life-cycle perspective; create a recovery system that is strong and resilient to changes in supply and demand; and restore and maintain public trust in the system through education and engagement with the public.

Potential outcomes for Oregon's recycling system:

- List of materials for collection programs with an understanding of environmental and economic impacts and regional differences
- Optimal collection methods that can supply clean materials and are cost-effective
- Models for materials sorting and processing infrastructure for the state and region including facilities, processes and technology that can effectively and efficiently sort and market recyclable materials
- Legal and relational framework that is the most effective at supporting Oregon's recycling systems
- Effective education materials and compliance methods that encourage residents and businesses to recycle correctly and minimize contamination

Phase	Elements	Spring-Fall 2018 (convening)	Fall-Winter 2018 (information gathering)	Spring-Summer 2019 (information gathering)	Fall-Winter 2019 (information gathering and deliberation)	Winter-Spring 2020 (info-gather and deliberations)	Summer 2020 (implementation plan development)
1. Convening	Facilitation and planning	Oregon Consensus contract					
	Steering Committee assessment	OC assessment of SC					
	Steering Committee charter	SC charter					
2. Information gathering and analysis	Infrastructure		Research request for proposals /contract	Infrastructure research phase 1: focus materials	Infrastructure research phase 2: collection and processing	Infrastructure research phase 3: optimal scenarios	
	Frameworks			Research request for proposals/contract	Frameworks research	Frameworks research	
	Contamination		Contamination problem identification	Contamination map and reduction best practices	Contamination map and reduction best practices	TBD	
	Stakeholder engagement			Stakeholder engagement plan development	Stakeholder engagement	Stakeholder engagement	Stakeholder engagement
	Other supporting research:	DEQ material recovery and benefits paper	Recycling markets development report				

Phase	Elements	Spring-Fall 2018 (convening)	Fall-Winter 2018 (information gathering)	Spring-Summer 2019 (information gathering)	Fall-Winter 2019 (information gathering and deliberation)	Winter-Spring 2020 (info-gather and deliberations)	Summer 2020 (implementation plan development)
3. Deliberation and agreement seeking	Frameworks			Desired functions for future system	Preliminary research results and recommendations for in- depth research	In-depth research results and workshop to develop optimal legal/relational framework(s)	
	Infrastructure					Workshop to develop optimal sorting and processing	
	Contamination					Optimal contamination reduction methods	
4. Implementation plans (may include legislation)	Frameworks						Implementation plan development
	Infrastructure						Implementation plan development
	Contamination						Implementation plan development
<i>Other related, non-SC work</i>	DEQ Recycling Markets Stakeholder Workgroup / Communications workgroup	Short-term coordination and responses	Short-term coordination and responses / contamination reduction coordination and online resource library	Short-term coordination and responses / contamination reduction coordination and online resource library	Short-term coordination and responses / top five “no” list and communications packet		
	Recycling behavior and messaging research		Metro recycling behavior research	Metro recycling behavior report / WA Sate Ecology messaging research and results	CalRecycle request for proposals/contract	CalRecycle education and compliance methods research	CalRecycle education campaign development
	Titus MRF Services secondary materials recovery facility pilot			Secondary MRF pilot	Secondary MRF pilot results		
	Washington State Ecology Recycling Market Development Center			Recycling Development Center bill passage	Hiring staff / advisory board formation / work plan development	TBD	TBD
	Washington State plastics packaging study			State packaging study bill passage	Hiring staff / research request for proposals and contract	Plastics packaging study	Plastics packaging study report



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Subcommittee Updates, 8/30/19

The following are updates on relevant work supporting the Recycling Steering Committee:

Recycling Systems Framework Subcommittee — Loretta Pickerell and Kristan Mitchell

- On July 25th, the Recycling System Frameworks selection committee selected Resource Recycling Systems (RRS) as the contractor to undertake research associated with the frameworks project. Subcontractors and advisors will also assist RRS with that work.
- DEQ presented to the subcommittee on 7/30 RRS's model of evaluation tool (used to score frameworks against one another), plus [all frameworks](#) proposed by both proposers associated with the Recycling System Frameworks RFP.
- DEQ took feedback from the 7/30 subcommittee meeting and lessened the combined list of frameworks to [13 frameworks](#), which were presented to the subcommittee on 8/13. At that meeting, committee members agreed to eliminate three frameworks from the discussion, but include two new ones: Framework of a statewide recycling system and a framework where neighboring states partner to improve and strengthen recycling. Those 12 frameworks will be carried into the contract phase of the project.
- DEQ has scheduled its initial contract discussion with RRS, which is slated for Thursday, August 29th.

Infrastructure Research Subcommittee — Brian Stafki

Cascadia Consulting Group will be sharing the results of materials research soon. After an initial draft was shared, it was realized that national trends with some specific materials such as aseptics, cartons and specific plastics were likely significantly different than the realities with Oregon and our Bottle Bill.

DEQ will be scheduling a subcommittee meeting once the revised report has been delivered and posted on the main webpage for the project. The subcommittee will be identifying focus materials for the phase 2 research, discussing a plan for researching collection and processing technology alternatives as well as begin scoping research for phase 3.

Stakeholder Engagement Subcommittee — Amy Roth

- The group identified questions to include and answer in FAQ documents or fact sheets aimed at various audiences, as well as next steps for developing a PowerPoint presentation for SC members' use.
- The subcommittee co-chairs met with Wendy Willis from Oregon's Kitchen Table to learn more about the organization's capacity and experience with statewide public engagement efforts, and will share that information with the subcommittee at their next meeting which will be scheduled for late July/early August.

Contamination Subcommittee —

No update.

Regional state and national coordination updates

- DEQ talks with Washington State Department of Ecology, CalRecycle and EPA Region 10 staff about related market efforts.
- CalRecycle is beginning to work with stakeholders on extended producer responsibility legislation for their recycling systems — Assembly Bill 1080 / Senate Bill 54. They are also in process to review proposals to [conduct research](#) on education and outreach methods and then conducting a multi-year education effort.
- EPA Region 10 staff didn't have an update to share.
- Washington State was not on the last call.



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Modernizing Oregon's Recycling System

How has recycling changed recently?

Unprecedented disruptions in international markets for the materials collected for recycling have affected Oregon's ability to recycle in nearly all parts of the state. For many years, China and other Southeast Asian countries had been taking mixed paper and plastic recyclables from Oregon, much of the U.S. and around the world for use in manufacturing. In 2017, China began to restrict materials coming their way — as the recyclables shipped to them contained too much non-recyclable waste — in an attempt to clean up their environment. Many other countries followed China's lead.

How has this impacted local recycling programs?

In response to the market disruptions, some local recycling programs have removed items that are no longer cost effective to recycle, increased garbage and recycling service bills to cover increased costs, or both. These changes have increased awareness of our recycling practices and signaled that it is time to update and modernize Oregon's recycling system at the state and local levels. It is more important than ever to understand what can be recycled and to make sure we recycle right. Read more at: <https://www.oregon.gov/deq/recycling/Pages/Recycle-Right.aspx>.

It is time to update and modernize Oregon's recycling system. The Recycling Steering Committee will look to balance economic and social needs from all parts of the state, existing systems and infrastructure, and the needs for the future.

Why is recycling important?

Recycling gives materials a second life, and in doing so, creates jobs, reduces pollution and is gentler on the planet than creating products from virgin resources. In 2016, Oregon recycled 1.4 million tons of materials, which prevented 3.1 million metric tons of carbon dioxide equivalent from being released into the atmosphere — the equivalent of removing 674,000 cars from the road for a year. Oregon has a long history of recycling — nearly 40 years. Oregonians want to do their part to help protect the environment, and recycling is important to them.

However, environmental impacts happen at all stages of the life cycle of materials, including during production, use and disposal. Oregon is working toward a future where we produce and use materials responsibly while conserving resources, protecting the environment and living well. To learn more about this work and where recycling fits in, read about Oregon's 2050 Vision and Framework for Action:

<https://www.oregon.gov/deq/FilterDocs/MManagementOR.pdf>.

How is the state responding?

DEQ has brought together players responsible for Oregon’s recycling system including local and state governments, businesses, and other organizations, through the Recycling Steering Committee. The work is supported by Oregon Consensus, a program of Portland State University and the National Policy Consensus Center, which brings community members, government representatives and businesses together to solve problems and plan for the future.

The Recycling Steering Committee has been working with DEQ to identify what Oregon’s future recycling system should look like, conduct research to inform decisions and — by summer 2020 — recommend changes to achieve that future system. The Steering Committee has completed an assessment of the problems in our current recycling system, is conducting ongoing research to understand alternatives, and will identify how the future system needs to work to be successful.

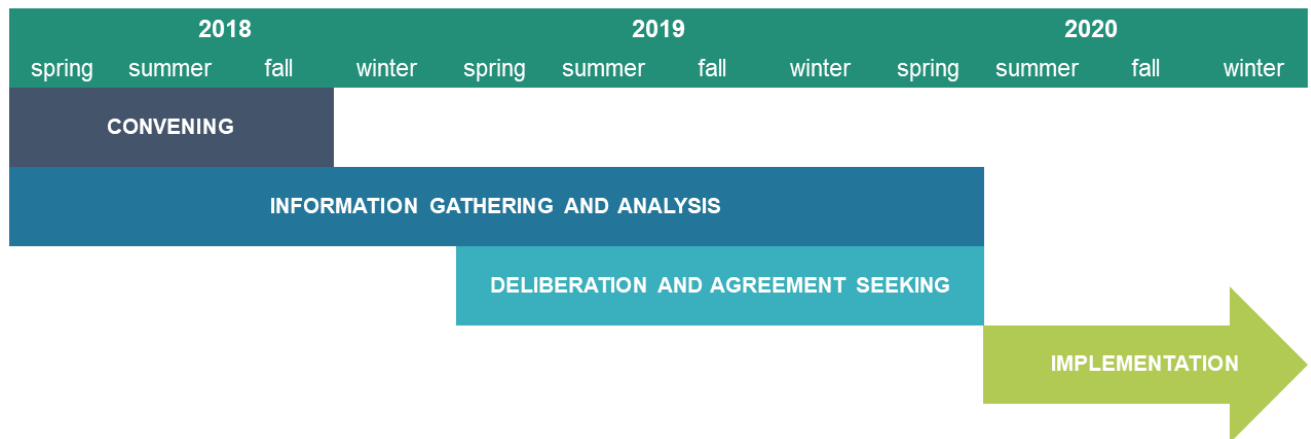
What is the committee doing?

The committee will make recommendations that could address:

- Changes in laws and policies supporting and guiding Oregon’s recycling system.
- Methods and facilities needed to collect, sort and process those materials for markets.
- Which materials should be the focus for recycling.
- How to provide guidance to residents and businesses on how to recycle and encourage them to do it correctly.

Throughout this work, the committee will look to balance economic and social needs from all parts of the state, existing systems and infrastructure, and the needs for the future.

Recycling Steering Committee project timeline:



How do I learn more?

To learn more about the committee, visit <https://go.usa.gov/xmYYe>.

Alternative formats

DEQ can provide documents in an alternate format or in a language other than English upon request. Call DEQ at 800-452-4011 or email deqinfo@deq.state.or.us.



State of Oregon Department of Environmental Quality

Recycling Communications Update

Coordinated outreach to reduce recycling contamination

Background

The Recycling Communications Workgroup identified the top recycling contaminants in Oregon, with the goal to create cut-and-paste messaging that local governments, haulers and others can use to create outreach materials. By focusing on the same items and using the same words and images, we hope to create a consistent, clear voice across the state. The top contaminants identified in this document include:

Top 5 *:

- Plastic bags and wrap
- Batteries
- Styrofoam
- Clothing
- Frozen food boxes

Additional items:

- Food residue and liquids
- Hoses, wires, chains and electric cords (i.e.tanglers)
- Cups and to-go containers
- Glass
- Padded and plastic shipping envelopes

New Resources

DEQ has made a series of changes on its website to reflect the work of this group, this includes:

1. An updated recycling home page

<https://www.oregon.gov/deq/recycling/Pages/default.aspx>

2. Public-facing Recycle Right page (includes images and item descriptions)

<https://www.oregon.gov/deq/recycling/Pages/Recycle-Right.aspx>

3. Stakeholder resources (includes messaging toolkit, social media toolkit and image library)

<https://www.oregon.gov/deq/recycling/Pages/resource-library.aspx>

What's next?

- Exploring potential to transcreate materials into Spanish
- Reconvene Communications Workgroup to:
 - Determine process to update/review lists (e.g., update November, publish December)
 - Identify missing resources and add to library if appropriate
 - What else can we do now that the “Top 5” project has concluded?
- Solicit feedback from the Recycling Marketing Stakeholder Group

Recycling System Frameworks Research

Recycling Steering Committee
September 25, 2019



Recycling Steering Committee

Modernizing Oregon's recycling system with support from Oregon Consensus

Agenda

- Introduce the team conducting the Recycling System Frameworks research.
- Review the timeline for this work.
- Review the frameworks being evaluated.



Recycling Steering Committee

Modernizing Oregon's recycling system with support from Oregon Consensus

Selected Contractor for Frameworks Research

Resource Recycling Systems (Ann Arbor, Michigan)

More than 30 years of experience planning, executing and evaluating recycling frameworks in the US and internationally.



- Resa Dimino (Senior Consultant – **PM**)
- Bryce Hesterman (Consultant)
- Jim Frey (CEO – Project Director)
- Anne Johnson (VP – Global Corporate Sustainability)
- Catherine Goodall (Senior Consultant)
- Juri Freeman (Senior Consultant)
- Erin Grimm (Creative Strategist)
- Laura Dobroski (Analyst)

Subcontractors

- Garth Hickle
- Skumatz Economic Research Associates
- Lorax Compliance/Environmental Packaging International
- David Stitzhal, Full Circle Environmental

Advisors

- Jerry Powell
- Chris Parta, Parta Oregon



Recycling Steering Committee

Modernizing Oregon's recycling system with support from Oregon Consensus

Terms to remember

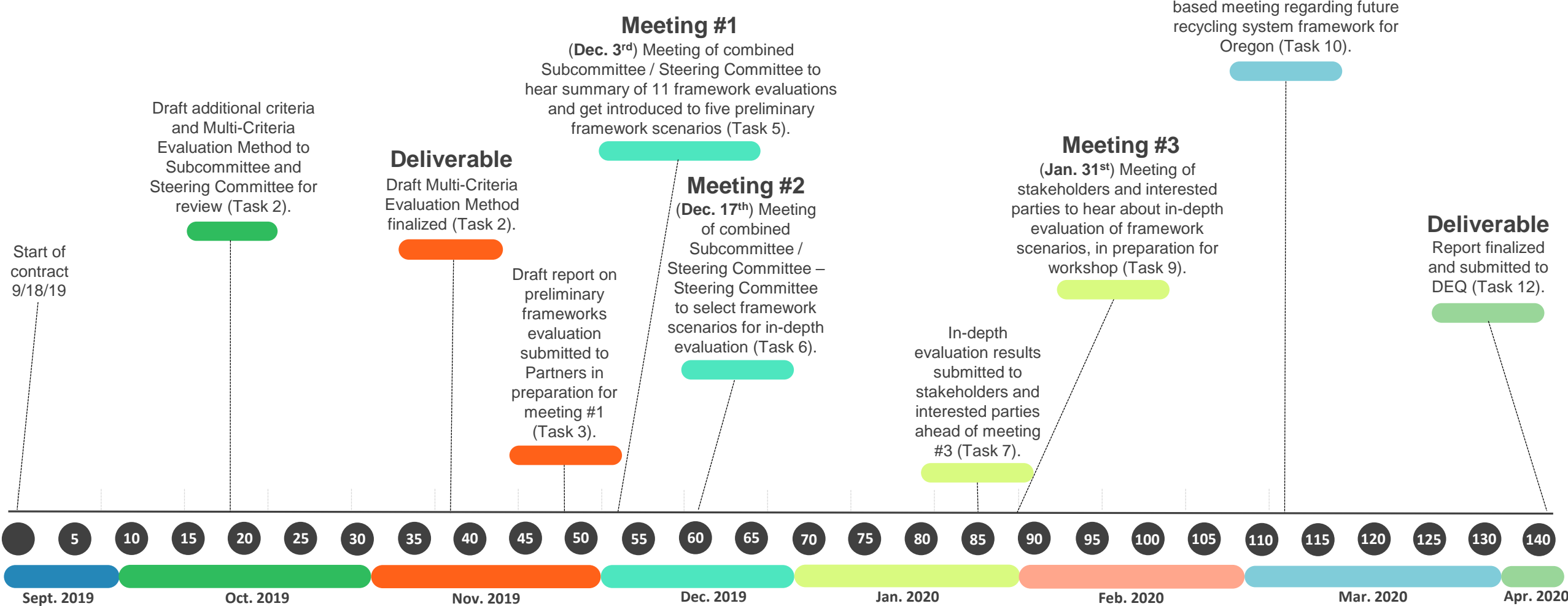
- **Framework** – The legal and relational structure for the Recycling System, including state and local laws, ordinances, policies and practices, contracts, and roles and responsibilities of public and private entities that collectively provide the organizational (governance) structure for the Recycling System.
- **Scenario** – Creation of a recycling system framework that may consist of:
 - Entire framework of a local, state or national recycling system.
 - Framework incorporating a combination of elements pulled from various recycling systems Frameworks.
 - Framework that combines elements from existing frameworks along with new elements not included in existing frameworks.



DRAFT – Deliverables Timeline*

Recycling System Frameworks Research 9/18/19

*Days represent business days from contract effective date



Recycling Steering Committee

Modernizing Oregon's recycling system with support from Oregon Consensus

Let's look at the frameworks, shall we!



Recycling Steering Committee

Modernizing Oregon's recycling system with support from Oregon Consensus

Frameworks to be evaluated

1). Local government programs utilizing comprehensive policy and contractual tools

- Under this framework, municipalities, or a consortium of LGs or wastesheds, would contract with MRFs for processing and marketing of materials collected by their jurisdictional program.
- Why framework is being evaluated
 - This framework wouldn't completely alter Oregon's current system, but it would create a more robust framework structure where new forms of policy are established, contracts are used and local governments continue to have primary responsibility/authority.
- Tompkins County, NY to be evaluated.



Frameworks to be evaluated

2). State contracting/certifying MRFs

- Somewhat similar to framework #1, but, instead of LGs, the state would develop contracts with multiple MRFs, including potentially MRFs beyond Oregon's borders, contracts that would be written in such a way that local governments would be able to use them.
- Why framework is being evaluated
 - This framework could allow the state to set the standards for how material is processed and marketed, and to create greater equity regarding costs and revenue from recycling for programs of different sizes and locations.
 - Onondaga County Resource Recovery Agency (NY) to be evaluated.



Frameworks to be evaluated

3). Comprehensive statewide system

- State system operates in accordance with a Universal Recycling Law that, among other things:
 - Established expansive state recycling access mandates.
 - Established a statewide PAYT requirement.
 - Includes a structure of regional Solid Waste Districts. Municipalities, either as an individual town or through a solid waste district or alliance, must adopt a Solid Waste Implementation Plan that conforms with the state's MMP.
- Why framework is being evaluated
 - To get a better understanding of the roles and responsibilities of the players operating within another statewide system. Plus, determine whether or not statewide mandatory recycling is something Oregon needs to consider to progress efforts statewide.
- State of Vermont to be evaluated.



Frameworks to be evaluated

4). Sustainable materials management authority

- Framework does not reside in the makeup of any state's recycling system. Authority would be a statewide decision-making entity with multi-stakeholder representation, including producers, who are often not included in other solid waste and recycling management decisions.
- Why framework is being evaluated
 - RFP asked bidders to submit hybrid frameworks that include elements that may not exist in any current recycling system. This is one of those concepts. Further details on such a framework will help DEQ and its partners determine the feasibility and desire for such a board for Oregon's recycling system.
- Frameworks to pull elements from
 - Resource Productivity and Recovery Authority (Ontario)
 - Solid Waste Management Coordinating Board (MN)



Frameworks to be evaluated

5). **Producer responsibility for processing/marketing only**

- Under this framework, manufacturers would be responsible for covering processing and transportation costs, plus ensuring markets for materials recovered by the statewide system.
- Why framework is being evaluated
 - Framework would foster investment in an efficient and rational development / improvement of the state's processing system that is managed cohesively, as a part of the materials supply chain.
- Possible models to evaluate
 - Modification of British Columbia system
 - Slovenia (Slovak)



Frameworks to be evaluated

6). Shared-responsibility framework

- Shared producer responsibility-based system for the collection and processing of residential and industrial, commercial and institutional packaging and printed paper (PPP), where 80% of system costs are funded by producers and 20% by local municipalities.
- Why framework is being evaluated
 - Since Oregon does not have direct experience in producer responsibility systems for packaging, studying a wide range of producer responsibility programs for PPP allows DEQ and its Partners to learn about, and have a better understanding of, such systems and the advantages / disadvantages of such a program approach.
- Manitoba (Multi-Material Stewardship Manitoba) to be evaluated.



Frameworks to be evaluated

7). Full producer responsibility framework

- Fully producer-governed and financed program for all residential and public space PPP material.
- Why framework is being evaluated
 - Since Oregon does not have direct experience in producer responsibility systems for packaging, studying a wide range of producer responsibility programs for PPP allows DEQ and its Partners to learn about, and have a better understanding of, such systems and the advantages / disadvantages of such a program approach.
- British Columbia (Recycle BC) to be evaluated.



Frameworks to be evaluated

8). Full producer responsibility system with elements to incentivize reduction of upstream impacts

- Fully producer responsibility system focused on residential and some public space material.
- Why framework is to be evaluated
 - Provides documented information on using eco-modulated fees to drive improvements in the upstream design of packaging.
- France (Citeo) to be evaluated.



Frameworks to be evaluated

9). **Producer responsibility system where municipalities deliver services/producers cover costs**

- Fully producer-financed/municipally-managed programs for all residential and public space PPP material. Municipalities are responsible for designing/managing residential program for collection and processing of recyclable materials.
- Why framework is being evaluated
 - Since Oregon does not have direct experience in producer responsibility systems for packaging, studying a wide range of producer responsibility programs for PPP allows DEQ and its Partners to learn about, and have a better understanding of, such systems and the advantages / disadvantages of such a program approach.
- Quebec (RECYC-QUEBEC/Éco Entreprises Québec) to be evaluated.



Frameworks to be evaluated

10). Producer responsibility system with competitive producer responsibility organizations

- Producer responsibility system for all residential and IC&I packaging. Collection, processing and marketing services are provided by municipalities through competitive tendering. System operates under a competitive approach for producer responsibility organizations.
- Why framework is to be evaluated
 - Since Oregon does not have direct experience in producer responsibility systems for packaging, studying a wide range of producer responsibility programs for PPP allows DEQ and its Partners to learn about, and have a better understanding of, such systems and the advantages / disadvantages of such a program approach.
- Austria to be evaluated.



Thank you!



Recycling Steering Committee

Modernizing Oregon's recycling system with support from Oregon Consensus

Infrastructure Research Subcommittee Update

Research activities and timeline

Brian Stafki and Peter Spendelow

9/25/19



Recycling Steering Committee

Modernizing Oregon's recycling system with support from Oregon Consensus

Research activities

Completed:

- Initial contract and contract amendment with Cascadia group
- Material definitions
- Material analysis and future material generation projections

Upcoming research:

- Analyze collection and processing alternatives
- *Analyze current infrastructure*
- *Develop alternative infrastructure scenarios for the RSC to consider (workshop)*



Remaining timeline

Tasks	Jul-Sept 2019	Sept-Dec 2019	Jan-Feb 2019	Mar-Apr 2020
Analyze materials and make projections				
Analyze (initial) collection/processing alternatives				
Analyze (in-depth) narrowed list of collection alternatives*				
<i>Analyze Oregon's collection and processing infrastructure*</i>				
<i>Develop infrastructure scenarios for RSC*</i>				
<i>(RSC workshops) Develop/select future infrastructure options*</i>				

*Dates may be subject to change

Next meetings

9/26, 12:30-2:30 p.m.

- Review materials for collection/processing research
- Discuss evaluation criteria for infrastructure alternatives
- Review and discuss collection alternatives

Follow-up meetings (to be scheduled)

- Review and discuss processing alternatives for research
- Follow-up as needed
- Review and discuss next steps in research
- Review and discuss next steps in developing scenarios



Initial materials analysis results

- Looked at a broad range of materials currently common in collection programs or as a contaminant
- Estimated amounts of each material generated in 2017 from single-family, multifamily, commercial, and other collection programs.
- Projected tonnage for each sector in 2025 based on sector growth factors.
- Adjusted each material in 2025 based on expert opinions on changes in materials market shares
- Used WARM to estimate greenhouse gas benefits of recycling each material.



Proposed materials considered for research

This is not a commitment of materials to be collected

Collected on-route, at depots or combination — TBD

- Paper — corrugated boxes, newsprint, paperboard, writing and printing paper, aseptics packaging, and gable-top cartons
- Plastics — PET bottles/jars, HDPE bottles/jars, PP bottles/jars, PP tubs, PP mixed rigid, PE film, PET tubs, PET thermoforms, HDPE tubs
- Container glass
- Metals — aluminum (cans and other accepted aluminum), metal containers, tinned cans, scrap metal



Examples of collection research alternatives

Residential collection alternatives that collect fibers separately from containers including:

- Split containers collected at the same time
- Alternating collection
- Glass included with containers or by itself
- Depots



Examples of processing research alternatives

Processing options that could process materials from commingled residential, commingled commercial, or dual-stream residential including combinations with:

- Advanced MRFs
- Secondary MRFs
- Container Recovery Facilities
- MRFs focused just on fiber
- MRFs in population center
- Regional MRFs near rural populations



Technology addressed will include:

- Optical sorters
- Robots
- Ballistic separators
- Non-wrapping screens
- Magnets
- Eddy currents
- Glass screens
- OCC screens
- Other technology



Remaining timeline

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