Agenda
Solid Waste Advisory Committee Meeting
September 21, 2022 | 9:30 a.m. – 11:15 a.m.

Call to Order & Zoom Meeting Instructions
9:30 a.m. | 5 minutes | Troy Lautenbach (Chair) and Laurie Davies

Upcoming Legislation and Ecology’s Budget
9:35 a.m. | 15 minutes | Laurie Davies, Department of Ecology

RDC Legislative Report Recommendations
9:50 a.m. | 15 minutes | Kara Steward, Department of Ecology

Organic Materials Management (HB 1799) Next Steps
10:05 a.m. | 15 minutes | Chery Sullivan, Department of Ecology

Simple As That – Litter Prevention Campaign
10:20 a.m. | 15 minutes | Amber Smith, Department of Ecology

Postconsumer Recycling Content (SB 5022) Implementation
10:35 a.m. | 15 minutes | Alli Kingfisher, Department of Ecology

Member Updates & Roundtable
10:50 a.m. | 15 minutes

Adjourn

Welcome!

- Please keep your video off unless you are presenting – this will help with internet connectivity.

- We are conducting sound tests before 9:30 am, if you cannot hear us please connect your audio:

- If you have technical issues, please use the chat box and we will help you troubleshoot:
Participating in this meeting:

Please use the chat box to ask questions or make comments.

To ask the presenter questions, choose Everyone in the drop-down.

For technical issues, please chat with the host.
Participating in this meeting:

Please add your organization next to your name by clicking “Participants”, then “Rename”.
Audio Settings

Mute/Unmute & Audio Settings

You can mute and unmute your microphone. If you click on the arrow next to the mute button (bottom left main Zoom screen), you have additional options for audio settings. You can change your microphone, leave the computer audio or access the audio options.
Raising Your Hand
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(2) Therefore, it is the policy of the state to create the recycling development center to research, incentivize, and develop new markets and expand existing markets for recycled commodities and recycling facilities (RCW 70A.240.010)
Commerce partnership

• Recycling Development Center
• Industrial Symbiosis
• Innovation Cluster Accelerator Program
• Choose Washington State website
Advisory Board

- Natalie Caulkins - Republic Services
- Sam Dart - Grant County
- Corinne Drennan - Pacific Northwest National Laboratory
- Karl Englund - Washington State University
- Kyla Fisher - Ameripen
- Nina Goodrich - Sustainable Packaging Coalition (retired)
- Allen Langdon - Circular Matters
- Kris Major - City of Spokane
- Scott Morgan - The Evergreen State College
- Chris Piercy - Kitsap County
- Mike Range - Waste Management
- Tim Shestek - American Chemistry Council
- Jay Simmons - NORPAC
- Heather Trim - Zero Waste Washington
Online resources
Report to the Legislature

- Contents
- Executive Summary
- Operations and Logistics
- Accomplishments 2021-2022
- Work Plan 2023-2024
- Challenges, Goals, Metrics
- Solid Waste Data Supplement

Total state funds $2,624,551
Accomplishments 2021-2022

Agency Support and Research
$1,210,114
• Ecology and Commerce staff
• Paper, Glass, and Plastic research papers
• 15 Board meetings with slides, and notes posted to the EZ page

NextCycle Washington
$710,000*

*NextCycle funds committed in 2022, to be spent in 2023
Accomplishments 2021-2022

Recycling Studies $324,437

Pilot Projects $150,00
Accomplishments 2021-2022

Economic and Equity Analysis
Report by Western Washington University’s Center for Economic Business Development

Business Resources
$100,000
# Center funding

<table>
<thead>
<tr>
<th>Center activity</th>
<th>Funds used for</th>
<th>Amount</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology staff</td>
<td>3 staff</td>
<td>$ 744,362</td>
<td>28 %</td>
</tr>
<tr>
<td>Commerce staff</td>
<td>2 staff</td>
<td>$ 465,752</td>
<td>18 %</td>
</tr>
<tr>
<td>NextCycle Washington</td>
<td>Online platform</td>
<td>$ 440,000*</td>
<td>17 %</td>
</tr>
<tr>
<td>NextCycle grants</td>
<td>27 grants</td>
<td>$ 270,000*</td>
<td>10 %</td>
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<tr>
<td>Recycling studies</td>
<td>7 projects</td>
<td>$ 324,437</td>
<td>12 %</td>
</tr>
<tr>
<td>Pilot projects</td>
<td>3 projects</td>
<td>$ 150,000</td>
<td>6 %</td>
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<tr>
<td>Economic research</td>
<td>1 contract</td>
<td>$ 130,000</td>
<td>5 %</td>
</tr>
<tr>
<td>Business resources</td>
<td>2 projects</td>
<td>$ 100,000</td>
<td>4 %</td>
</tr>
<tr>
<td><strong>Total funds</strong></td>
<td></td>
<td><strong>$ 2,624,551</strong></td>
<td><strong>100 %</strong></td>
</tr>
</tbody>
</table>

*NextCycle funds committed in 2022, to be spent in 2023*
2023-2024 Work Plan

- Advisory board and facility tours
- Support NextCycle Washington
- Support the Materials Marketplace
- Research and data analysis
2023-2024 Work Plan

- Center prioritization process
- Outreach to businesses and organizations
- Pilot projects, best practices
- Host an industry glass summit
NextCycle Washington

Supporting businesses, community-based organizations and individuals working to expand the circular economy in Washington State.

Interested in applying for a NextCycle Washington governance role? We are currently seeking Applicant Mentors and Renew Seed Grant Governance members.

LEARN MORE →
NextCycle Washington

There are two ways to participate in NextCycle Washington:

Circular Accelerator
The 2022 application period is now closed.
Stay tuned for 2023 Circular Accelerator details
Competitive challenges designed to support promising circular businesses and projects

Renew Seed Grants
Launching
September 21, 2022
A great starting point for funding new innovative businesses and projects

Apply Today!
### NextCycle Upstream Accelerator

<table>
<thead>
<tr>
<th>Organization</th>
<th>Project focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plover</td>
<td>Upcycling textile product lines using pre-consumer textile material</td>
</tr>
<tr>
<td>Refugee Artisan Initiative</td>
<td>Upcycling textiles by refugee and immigrant women using post-consumer materials, life fire hoses</td>
</tr>
<tr>
<td>Geer Garage</td>
<td>Online peer-to-peer outdoor gear rentals</td>
</tr>
<tr>
<td>Okapi Reusable</td>
<td>Reusable cup network serving cafes and coffee shops</td>
</tr>
<tr>
<td>South King Tool Library</td>
<td>Develop replicable tool library sharing platform model</td>
</tr>
<tr>
<td>Just Right Bite</td>
<td>Develop and market pet food using insect-based inputs</td>
</tr>
<tr>
<td>Community Gearbox</td>
<td>App based sharing platform for outdoor gear and other products</td>
</tr>
</tbody>
</table>
## NextCycle Downstream Accelerator

<table>
<thead>
<tr>
<th>Organization</th>
<th>Project focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duwamish Valley Sustainability Association</td>
<td>Community scale anaerobic digestion of food waste to produce biofuel and liquid fertilizer</td>
</tr>
<tr>
<td>Regenerated Textiles</td>
<td>Develop pilot for demonstration of advanced textile recycling module in shipping container to produce recycled fibers</td>
</tr>
<tr>
<td>Birch Biosciences</td>
<td>Plan pilot for demonstration of plastic depolymerization using engineered enzymes to produce food grade recycled PET</td>
</tr>
<tr>
<td>Glass Packaging Institute</td>
<td>Develop glass aggregation and color sorting facility in central and eastern Washington to overcome economic barriers</td>
</tr>
<tr>
<td>Glacier</td>
<td>Expand market case for low-cost small footprint robotics and AI for material recovery facilities</td>
</tr>
<tr>
<td>Ground2Ground Glass</td>
<td>Expand glass recycling to sand operation in the Walla Walla valley</td>
</tr>
<tr>
<td>Restaurant 2 Garden</td>
<td>Expand pilot community-scale restaurant food waste composting in Chinatown-International District</td>
</tr>
</tbody>
</table>
NextCycle Grants

Renew Seed Grant Applications Open on Sept 21.
37 Grants Available
Up to $10,000

nextcyclewashington.com/renew-seed-grant
NextCycle timelines

Accelerator

- **AUGUST 2022**
  - Track Programming Begins
- **OCTOBER/NOVEMBER 2022**
  - Circular Accelerator Project Workshop Series
- **FEBRUARY 2023**
  - Pitch Showcase

Seed Grants

- **SEPTEMBER 21, 2022**
  - Renew Seed Grant Application Launch & Webinar
- **SEPTEMBER/OCTOBER 2022**
  - Application Party #1
- **EARLY NOVEMBER 2022**
  - Application Party #2
- **NOVEMBER 16, 2022**
  - Applications Due
- **DECEMBER 14, 2022**
  - Team Awardees Announcement
- **JANUARY-JUNE 2023**
  - Funding and Technical Support Period
Glass Summit

Eastern Washington, Spring 2023

Agenda is under development:

- Data analysis
- Collection challenges
- Innovative solutions
- Wine industry
- Community perspective
- End market options
Thank you

RecDevCenter@ECY.WA.GOV
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Adjourn
2022 Organics Management Law

Chery Sullivan
Department of Ecology
Organics Management Law
Reduce methane emissions by diverting organics from landfills

• Formerly known as 1799
  • 9 Parts
  • 20+ RCWs added or amended
  • 100’s of impacts to state and local governments, businesses and residents

Prevention
Good Samaritan laws
Food Center

Collection
Business
Residential and non-residential

Processing
OM facility siting
Product degradability standards

Markets
Compost procurement
Ag compost purchase
Reporting

State SWAC – September 21, 2022
Compost Procurement Ordinance (CPO)

• Timelines
  • January 1, 2023
    • Jurisdictions with greater than 25,000 population, and
    • Jurisdictions where curbside organics collection service is provided
  • December 31, 2024 and subsequent even years
Compost Procurement Ordinance (CPO)

Options

• Adopt a CPO
• Amend existing recycled product procurement ordinances to include compost purchase
• Counties can amend their Solid Waste Management Plan to include a CPO that covers all signatories to the Plan.
• Cities may sign on to a county CPO, through an interlocal agreement
• Two or more jurisdictions (cities or counties) can sign joint CPOs and report jointly.
Organics collection for businesses

Timeline

• July 1, 2023
  • Ecology must post which jurisdictions have organics collection available to businesses, and
  • Identify organic management facilities that have capacity to accept more volume.
Organics collection for businesses

Businesses must arrange for organic collection

- Jan. 1, 2024
  - Generating at least eight cubic yards of organic material waste per week
- Jan. 1, 2025
  - Generating at least four cubic yards of organic material waste per week
- Jan. 1, 2026
  - Generating at least four cubic yards of solid waste per week
Organics collection for businesses

- Exemptions may apply if:
  - No haulers to collect organics
  - No capacity to process additional organics
    - Jurisdiction needs to send a note to Ecology explaining how exemptions apply

- Businesses:
  - Manage organic material on site
  - Self-haul to an organic management facility
  - Other...

Definitions

“Business” means a commercial or public entity including, but not limited to, a firm, partnership, proprietorship, joint stock company, corporation, or association that is organized as a for-profit or nonprofit entity. [Note: This definition includes public, nonprofit entities such as schools, churches, and hospitals]

“Business” does not include a multifamily residential entity.
Finance study

July 1, 2023

• Ecology work with WACSWM, AWC, WRRA, and other stakeholders to:
  • Assess how policy and legislation impacted local government funding issues
  • Recommend how to support solid waste collection and recycling if policies/legislation reduce funding
Food Center

January 1, 2024: Washington Center for Sustainable Food Management established to meet Use Food Well Washington Goals and recommendations

Goal 1: Reduce food waste generated by 50 percent by 2030
Goal 2: Reduce at least half of edible food waste by 2030

Read the UFWW Plan and more on our webpage
Stay connected by subscribing to the UFWW email list
Organics Management Facility Siting

Expand infrastructure capacity and/or volumetric capacity:

• July 2024, new or updated **Comprehensive Solid Waste Management Plans** must include identification of possible locations for organic materials management facilities.

• January 2025, new or updated **Comprehensive Plans** must include identification of possible locations for organic materials management facilities.

Vander Haak Dairy Digester/Craig Freer
Product degradability labeling

January 1, 2024

• ALL compostable food service products, including film, must meet specific labeling, and compostability standards

• Ecology, cities, and counties to enforce and issue and collect civil penalties

• Enforcement is complaint based using Ecology’s complain forum

• Ecology will work with jurisdictions to educate retailers, consumers and producers about updates to the law.
Residential/non-residential collection

• January 1, 2027
  • Jurisdictions meeting specific criteria must provide every-other-week organic materials collection to those that generate >.25 cy organic material per week
  • Ecology will work with stakeholders to develop waivers to exempt jurisdictions from criteria, such as:
    • Dispose <5,000 tons solid waste
    • <25,000 population
    • Economic feasibility (distance to processing facility with capacity)
    • Other
**Rules: To write or not to write**

- **RCW 70A.205.540** Organic solid waste collection services – Fees – Exceptions.
  - Waivers
- **RCW 70A.205.540** Organic solid waste collection services – Fees – Exceptions.
  - If goals are not achieved
- **Chapter 70A.207 RCW** WA Center for Sustainable Food Management
  - Necessary to implement chapter
- **Chapter 70A.455 RCW** Plastic Product Degradability
  - Necessary to implement chapter
Contact Information

Chery Sullivan
Chery.Sullivan@ecy.wa.gov
(360) 485-2724

To find out more...

- Visit our resources for local governments on compost procurement, facility siting and more. https://app.box.com/s/r6jdrsznwbchouo9kme3qa4gd2uawhf.

- Subscribe to our Organics Management email news at https://public.govdelivery.com/accounts/WAECY. Set up your account, choose Solid Waste Management, and then Organics Management.
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Litter Prevention Campaign Update

September 2022

Amber Smith, Statewide Litter Prevention Coordinator
We Keep WA Litter Free Umbrella Brand

LitterFreeWA.org
PorUnWAImpecable.org
#LitterFreeWA

Launched Spring 2021
Behavior Specific Social Marketing Campaigns

**Secure Your Load for Safer Roads**
SecureLoadsWA.org
SujetaTuCargaWA.org
#SecureLoadsWA

- **Launched:** May 2021
- **Annually in June**

**Simple As That**
LitterFreeWA.org/Simple
PorUnWAImpecable.org/Simple
#LitterFreeWA

- **May 2022 Pilot Launch:**
- **Sept. 2022**
Not Littering: Simple As That

Sept. 12 – Oct. 1, 2022

LitterFreeWA.org/Simple
PorUnWAImpecable.org/Simple
#LitterFreeWA
Statewide Media Tactics

• Focused on issue awareness, reach and recall
• Video: Digital Pre-Roll & OTT
• Audio: Radio & Digital Audio ads
• Social: Facebook & Instagram Ads
• Outdoor: Gas Station Pump Toppers, video & clings (through week of 10/17)
Other Campaign Elements

• State agency partners (joint press release & promotion)
• Active pitching, PR and media interviews (English & Spanish)
• Messaging on WSDOT VMS highway signs
• Homepage campaign banner
• Organic social media content
• Blog
• Litter Prevention Partner Toolkit
  • Local governments, non-profit partners
• Seattle Storm/Rave Foundation partnership
• Adopt A Highway Maintenance Corporation Kickoff
Media Tracking Week 1

• 83M + views
• 90 mentions
• $28K in ad equivalency value
• 47 articles, 35 broadcast mentions, 8 news releases
2022 Litter Study

• Spring sampling & preliminary results
  • 24,001 pieces of litter/mile on urban interstates
    (15,808 on rural interstates)
  • 30,948 pieces of litter/acre on urban interchanges
    (20,925 on rural interchanges)

• Fall sampling Sept. 26 – Oct. 14
  • Sorting week of Oct. 17

• Final report by March 2023
Questions?

Amber Smith
Statewide Litter Prevention Coordinator
Amber.Smith@ecy.wa.gov

Ecology's Litter Prevention Webpage

Live litter free and help others do the same.
LitterFreeWA.org
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70A.245 RCW: Postconsumer Recycled Content Requirements

Alli Kingfisher
Solid Waste Management Program
Covered Products:

Plastic Beverage Containers (2022)

Plastic Trash Bags (2022)

Plastic Household Cleaning & Personal Care Products (2025)

*Dairy & 187ml wine bottles (2028)
Recycled content requirements increase over time

<table>
<thead>
<tr>
<th>Year</th>
<th>Plastic trash bag producers</th>
<th>Beverage container producers*</th>
<th>Household cleaner and personal care container producers</th>
<th>Plastic wine container (187 milliliters) producers</th>
<th>Dairy milk container producers</th>
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<tbody>
<tr>
<td>2023</td>
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<td>2028</td>
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<td>2033</td>
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<tr>
<td>2036</td>
<td>50 percent</td>
<td>50 percent</td>
<td>25 percent</td>
<td>25 percent</td>
<td>25 percent</td>
</tr>
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</table>

*Excluding plastic wine and milk containers.
## TIMELINE

<table>
<thead>
<tr>
<th>Benchmarks</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rulemaking began</td>
<td>November 2021</td>
</tr>
<tr>
<td>Ecology workload analysis</td>
<td>January 31, 2022</td>
</tr>
<tr>
<td>Registration deadline for ALL producers</td>
<td>June 15, 2022</td>
</tr>
<tr>
<td>Invoices sent to producers via e-mail</td>
<td>August 2022</td>
</tr>
<tr>
<td>Deadline for ALL producers to submit annual fee payment</td>
<td>September 2022</td>
</tr>
<tr>
<td>Deadline for completing rulemaking</td>
<td>December 31, 2023</td>
</tr>
<tr>
<td>Ecology annual review of PCR percentages</td>
<td>January 1, 2024 (annually)</td>
</tr>
</tbody>
</table>
Registration

• 259 Total registered producers
• 108 registered, non-De Minimis producers
• 151 De Minimis producers
Rulemaking:

- PCR Content Rule, WAC 173-925
- Approaching end of rule drafting phase
- Final advisory committee meeting September 29, 2022
- Final comments due by November 1, 2022
- Economic analysis January – March, 2023
- Public comments and hearings next spring/early summer
- Rule adoption and guidance document January 2024 or sooner
- Visit Ecology’s [PCR Rule Website](#)
Key Implementation Challenges

- Definition of Producer
- Equitably distributed fee & quality assurance
- De Minimis Threshold
- Exemption for nonprescription drugs
Challenge: Definition of Producer

**Challenge:** Lack of clarity for responsibility of private label/store brands

**Recommendation:** Clarify brand owners are responsible
Challenge: Equitably distributed fees & data quality assurance

Challenge: Accuracy of reported data

Recommendation: Third party verification
Challenge: De Minimis Threshold

Producers who annually sell, offer for sale, distribute, or import in or into the country for sale in Washington:

- A single category of a covered product that in aggregate generates less than $1,000,000 each year in revenue

- Less than one ton of a single category of containers or plastic trash bags each year
De Minimis Threshold

• De Minimis producers are responsible for **6,517,231** lbs of resin sold into the state
  
<table>
<thead>
<tr>
<th>Category</th>
<th>pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trash Bags</td>
<td>4,357,918.53</td>
</tr>
<tr>
<td>Beverage Containers</td>
<td>1,121,478.61</td>
</tr>
<tr>
<td>Household Cleaning and Personal Care Products</td>
<td>1,037,834.09</td>
</tr>
</tbody>
</table>

• Some brands break out reporting entities to stay de minimis

• Disconnect between reported revenue and pounds of resin

• Inconsistent with other states:
  - New Jersey, Colorado and Oregon exempt producers with global gross revenue below $5M

**Recommendation:** *De Minimis Producers* producers must register. Only exempt producers with global gross revenue below $5M **AND** Less than one ton of a single category of containers or plastic trash bags each year
Recomendation: De Minimis Threshold

1. All producers must register

2. Has a gross revenue of less than $5 million for the organization’s most recent fiscal year

3. Less than one ton of a single category of containers or plastic trash bags each year
Challenge: Exemption for nonprescription drugs

Anything used to cure, treat, or prevent disease, or to affect the structure or any function of the human body.

<table>
<thead>
<tr>
<th>Regulated Product</th>
<th>Drug</th>
</tr>
</thead>
<tbody>
<tr>
<td>suntan product</td>
<td>sunscreen</td>
</tr>
<tr>
<td>deodorant</td>
<td>antiperspirant</td>
</tr>
<tr>
<td>shampoo</td>
<td>antidandruff shampoo</td>
</tr>
<tr>
<td>toothpaste</td>
<td>anti-cavity toothpaste</td>
</tr>
<tr>
<td>mouthwash</td>
<td>anti-gingivitis mouthwash</td>
</tr>
<tr>
<td>skin product to hide acne</td>
<td>anti-acne product</td>
</tr>
<tr>
<td>skin moisturizer</td>
<td>wrinkle remover</td>
</tr>
</tbody>
</table>

Recommendation: Remove exemption
Questions?

Alli Kingfisher
Plastics Policy Specialist
Alli.Kingfisher@ECY.WA.GOV
509-960-1290
Agenda
Solid Waste Advisory Committee Meeting
September 21, 2022 | 9:30 a.m. – 11:15 a.m.

Call to Order & Zoom Meeting Instructions
9:30 a.m. | 5 minutes | Troy Lautenbach (Chair) and Laurie Davies

Upcoming Legislation and Ecology’s Budget
9:35 a.m. | 15 minutes | Laurie Davies, Department of Ecology

RDC Legislative Report Recommendations
9:50 a.m. | 15 minutes | Kara Steward, Department of Ecology

Organic Materials Management (HB 1799) Next Steps
10:05 a.m. | 15 minutes | Chery Sullivan, Department of Ecology

Simple As That – Litter Prevention Campaign
10:20 a.m. | 15 minutes | Amber Smith, Department of Ecology

Postconsumer Recycling Content (SB 5022) Implementation
10:35 a.m. | 15 minutes | Alli Kingfisher, Department of Ecology

Member Updates & Roundtable
10:50 a.m. | 15 minutes

Adjourn
We want to hear from you!

If you would like to provide comments, please write your name in the chat or raise your hand.

We will call on you to speak in the order that we see names in the chat or hands raised. Please unmute yourself when it’s your turn.

You may also write your comment in the chat and we will read it for you.

Please keep your comment to under 2 minutes.
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