

# Solid Waste Advisory Committee Meeting

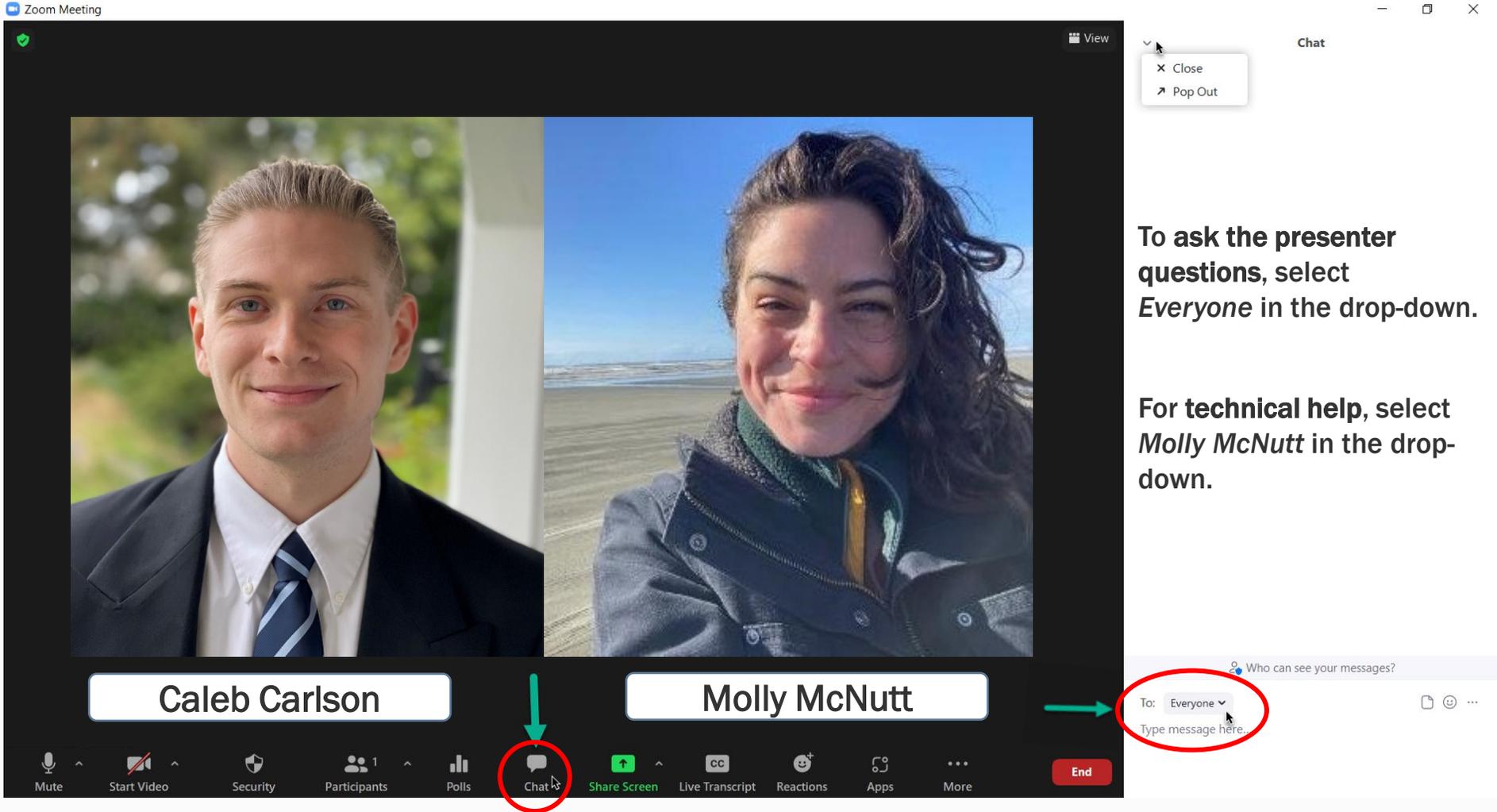
## *Welcome!*

- 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.



# Assisting with this meeting:

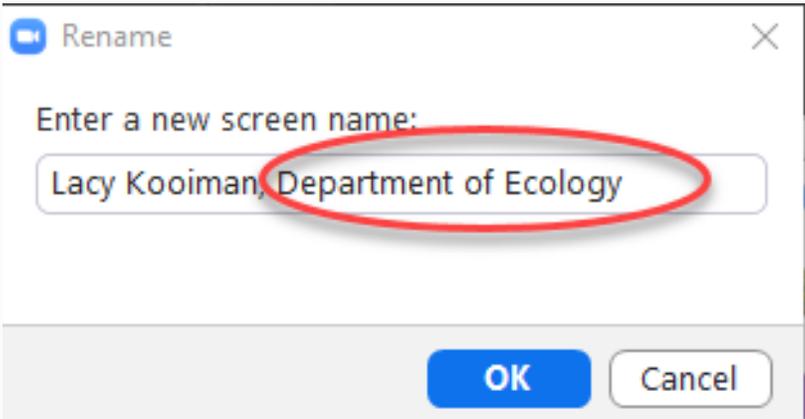
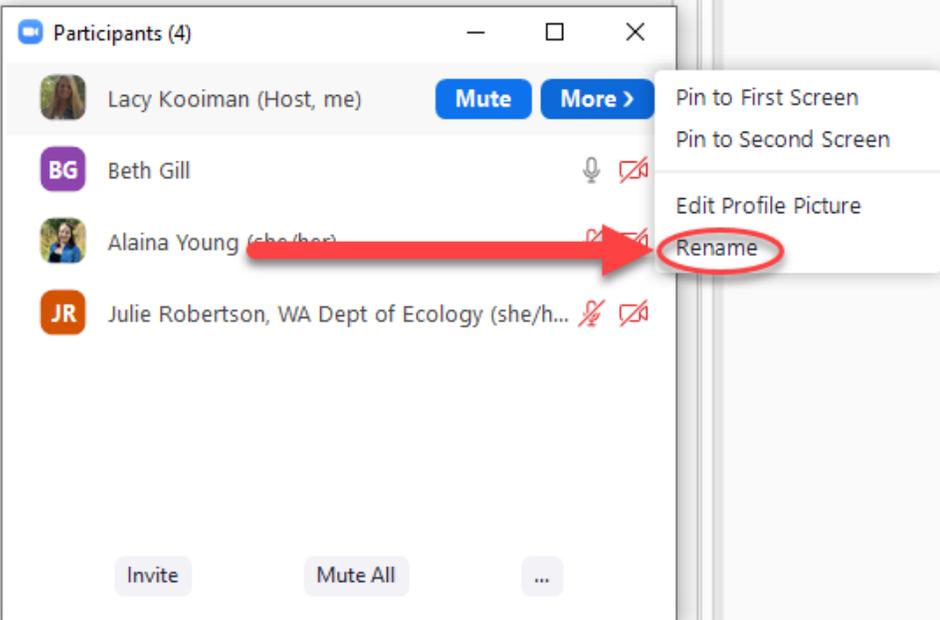
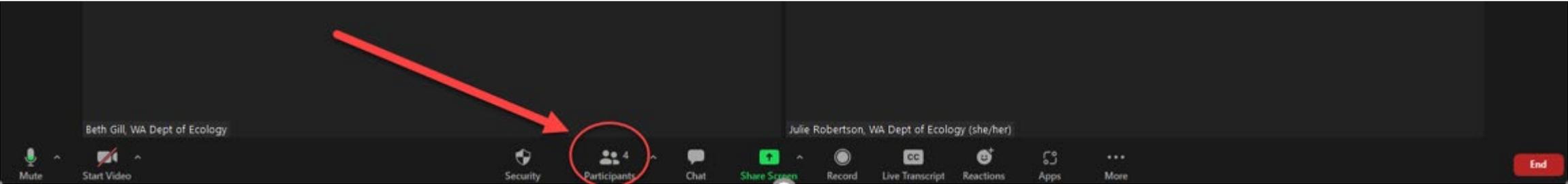
Please use the chat box to ask questions or make comments.



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

**For technical help, select *Molly McNutt* in the drop-down.**

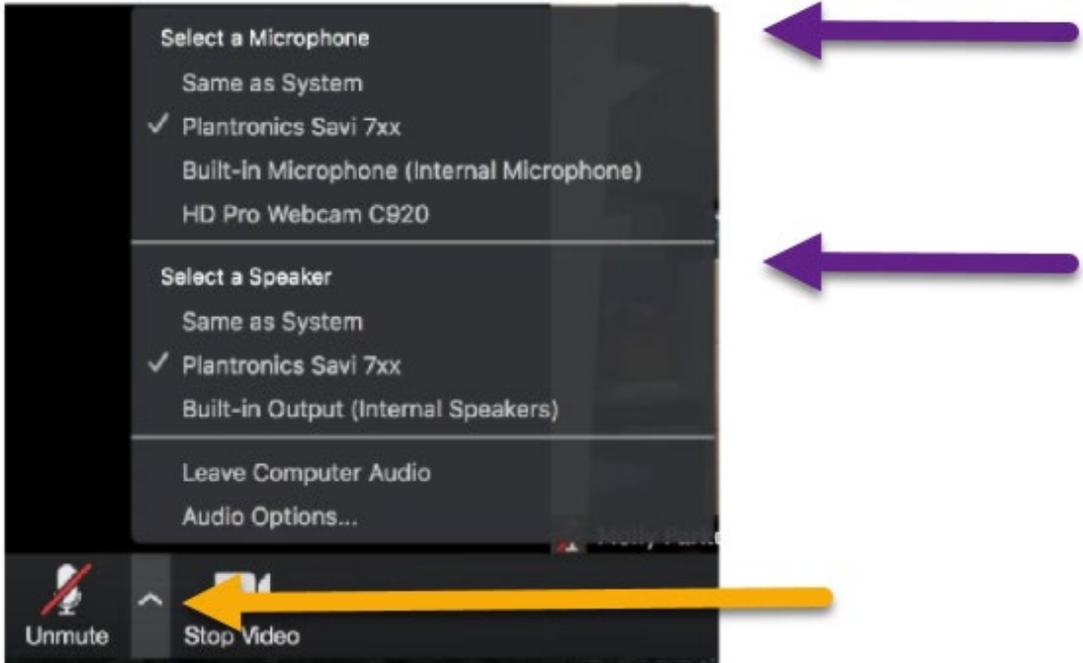
# Zoom Functions: Rename to Add Your Affiliation



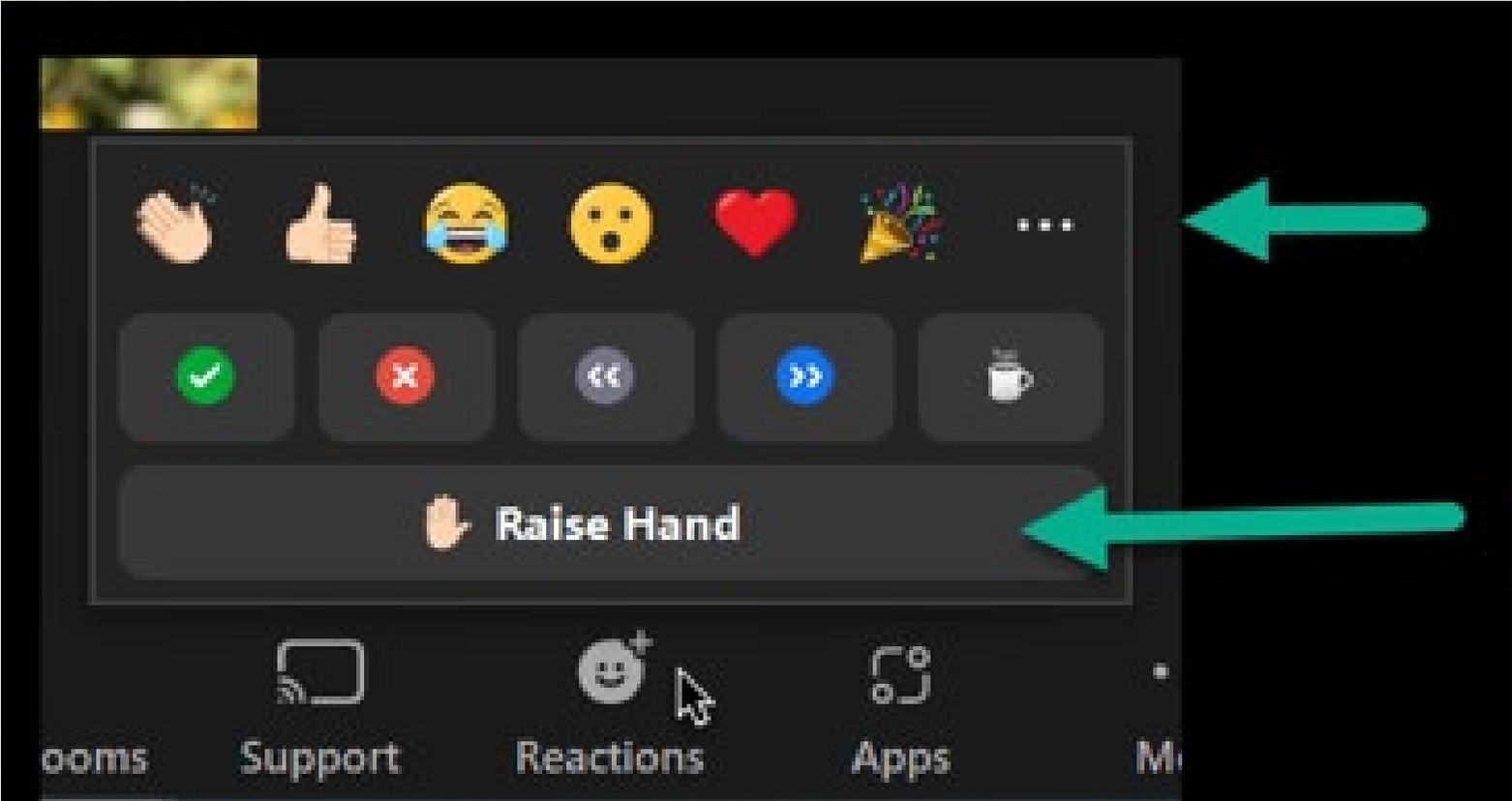
# Zoom Functions: Audio Settings

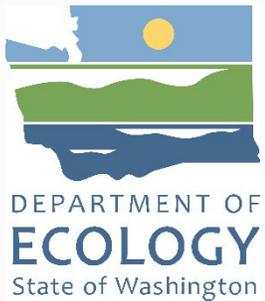
## Mute/Unmute & Audio Settings

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.



# Zoom Functions: Raising Your Hand





# Solid Waste Advisory Committee Meeting

November 8, 2023

# Agenda

## Solid Waste Advisory Committee Meeting November 8, 2023 | 9:30 a.m. – 11:10 a.m.

### Call to Order & Zoom Meeting Instructions

9:30 a.m. | 5 minutes | Troy Lautenbach (Chair) and Becci Piepel (Vice Chair)

### Ecology Updates

9:35 a.m. | 5 minutes | Peter Lyon, Solid Waste Management

### Chair & Vice Chair Elections

9:40 a.m. | 15 minutes | Julie Robertson, Department of Ecology

### Legislative Priorities and Expectations for 2024

9:55 a.m. | 60 minutes

- Washington Food Industry Association – Katie Beeson, Government Affairs Director
- Washington State Association of Counties – Travis Dutton, Policy Analyst
- Washington State Association of Local Public Health Officials – Jamie Bodden, Managing Director
- Association of Washington Cities – Carl Schroeder, Deputy Director of Government Relations

### Legislative Priorities and Expectations for 2024 Continued.

- Zero Waste Washington – Heather Trim, Executive Director
- Northwest Product Stewardship Council – Adrian Tan, King County Solid Waste Division
- Department of Commerce – Kirk Esmond, Sustainable Business Development
- Department of Ecology – Julie Robertson, Solid Waste Management

### Member Updates & Roundtable

10:55 a.m. | 15 minutes | *SWAC*

### Adjourn

11:10 a.m.



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

# Dept. of Ecology Updates

**Peter Lyon, Solid Waste Management Program Manager**



# Chair & Vice Chair Elections

**Julie Robertson, Department of Ecology**

# Agenda

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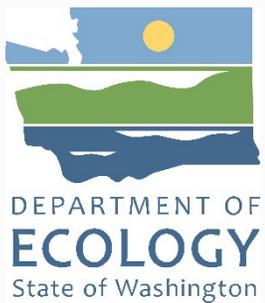
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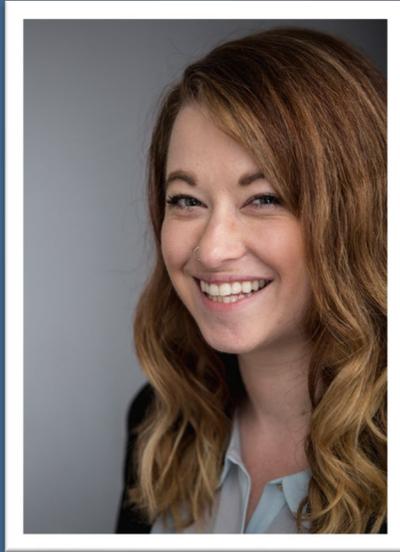
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# Legislative Priorities and Expectations for 2024

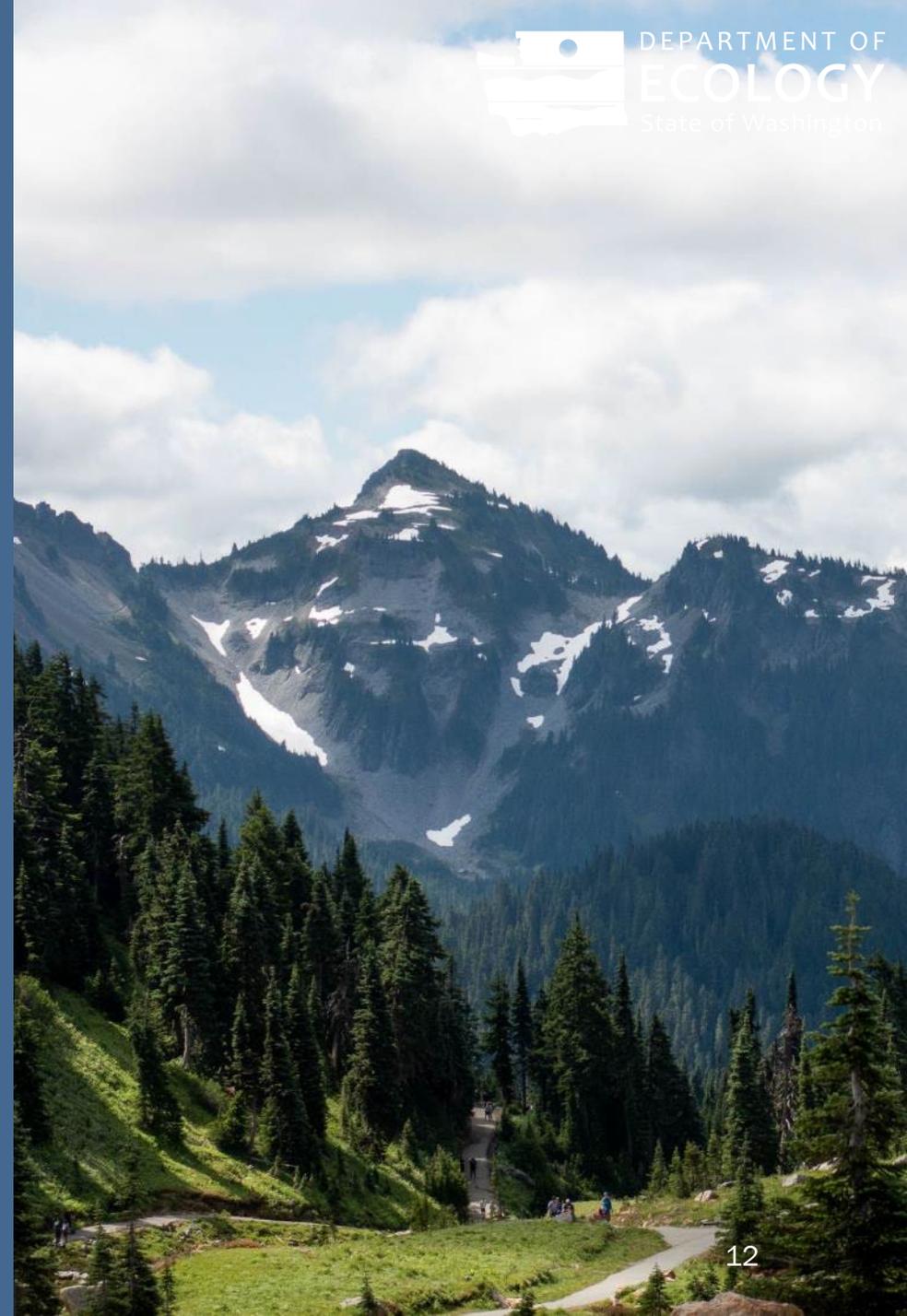
*November 8, 2023*

# Washington Food Industry Association



**Katie Beeson, Government Affairs Director**

November 8, 2023



# Washington State Association of Counties



**Travis Dutton, Policy Analyst**

November 8, 2023





WASHINGTON  
STATE ASSOCIATION  
of **COUNTIES**

# WACSW 2023-24

## Legislative Agenda

Solid Waste Advisory Committee

November 8, 2023



# WACSWM Legislative Priorities

Washington Association of County Solid Waste Managers

## 1. Support Extended Producer Responsibility

- Environmental benefits
- Complete cost coverage
- Funding structures
- Local governance

## 2. Modernizing Solid Waste Program Funding

- Current and future funding sources
- Deferred and future maintenance
- Legislation impacts



## Travis Dutton

Policy Director – Natural Resources



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# Jaime Bodden, MPH, MSW

## Managing Director

📞 360.280.5301 ✉️ [jbodden@wsac.org](mailto:jbodden@wsac.org)

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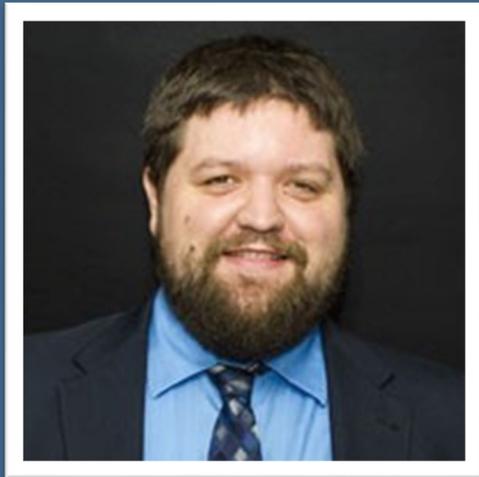
### Septage Capacity Assessment: \$250,000 on-time funding

- Assess the current waste treatment facility capacity across statewide
- Map out current and planned development on OSS
- Make policy recommendations to ensure that we have adequate infrastructure to support population growth.

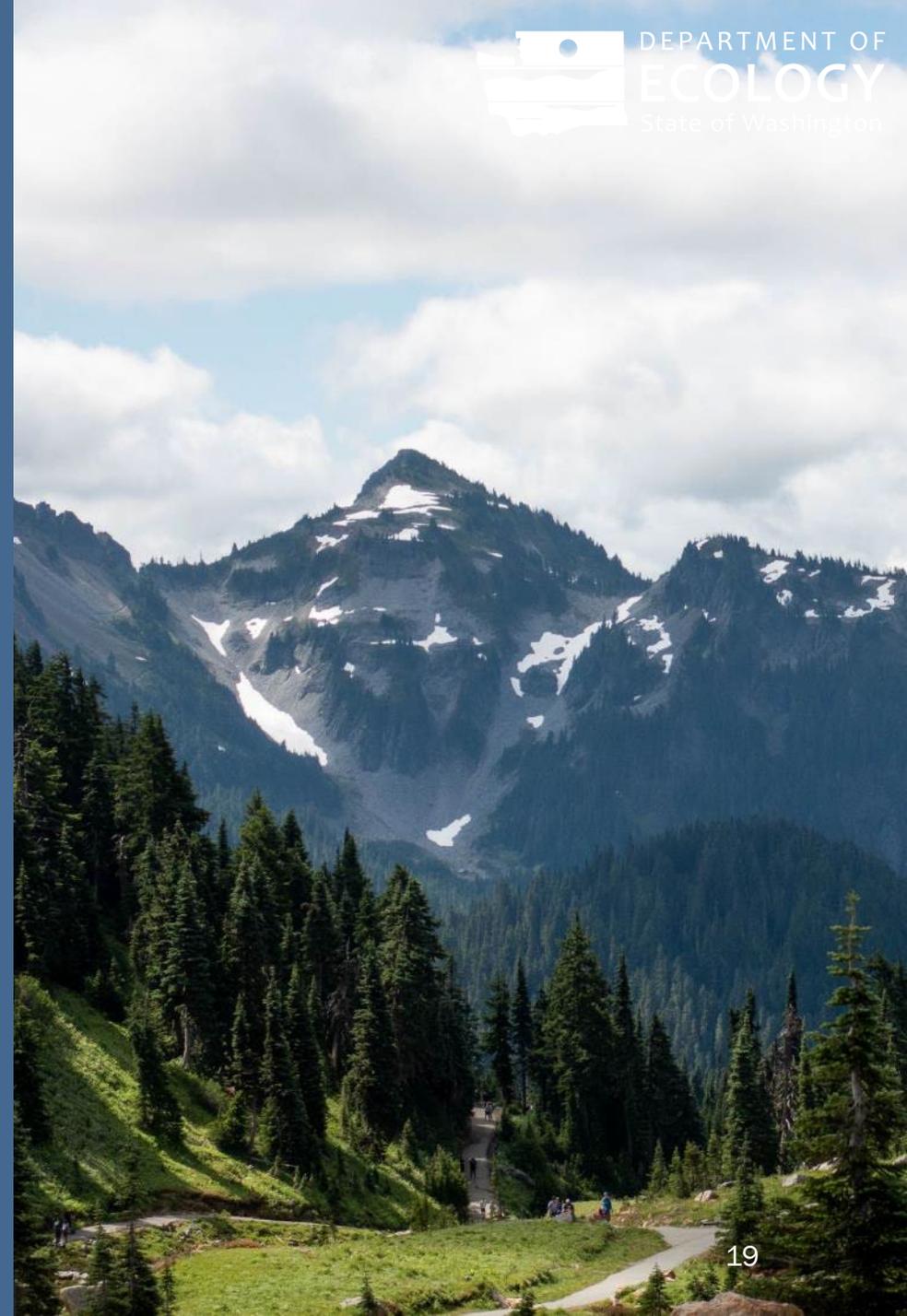
### School Environmental Health Rule:

- Fund PH & OSPI school facility health assessment
- Prioritize overburdened communities for mitigation & updates
- Lift the current budget proviso so the current rule can be updated

# Association of Washington Cities



**Carl Schroeder, Deputy Director of Government Relations**  
November 8, 2023



# Zero Waste Washington



**Heather Trim, Executive Director**

November 8, 2023





# Zero Waste-Related Bills - 2024

## **Ecology SWAC**

**Heather Trim**

**Zero Waste Washington**

**November 8, 2023**

## 2024 - potential

- WRAP Act (HB1131)
- DRS for Beverage Containers
- Organics (HB1799 Part II)
- Right to Repair
- Plastics – TBD
- EV battery recycling
- Wind turbine blades
- Mercury and other light bulbs (HB 1185)
- Hydrofluorocarbon (HFC) refrigerant gases recycling (HB 1164)
- PFAS in biosolids (SB 5245)
- Cannabis waste (SB 5376)



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- Right to Repair
- Plastics – TBD
  
- Hydrofluorocarbon (HFC) refrigerant gases recycling (HB 1164)
- PFAS in biosolids (SB 5245)
- Cannabis waste (SB 5376)





# Reducing organic material to landfill (HB 1799)



Jun 8, 2022

2023

Jan 1, 2023

Jul 1, 2023

Updates go into effect:

- Good Samaritan donations
- Sustainable farms and fields grants
- Public works project

\$\$\$

Local governments adopt compost procurement ordinances

Ecology study of local gov. solid waste management funding

Ecology determines local org management capacity/services

\$\$\$ WSDA begins reimbursement program for compost and equipment for farmers

Jan 1, 2025

2025

Jul 1, 2024

Jan 1, 2024

2024

20% of edible food must be recovered for human consumption

Ecology begins adopting model ordinances

Businesses ≥4 cubic yds/week organic material waste must divert

Local GMA comprehensive plans must include siting for facilities

Local comprehensive solid waste management plans must identify facilities and capacity

Ecology WA Center for Sustainable Food Management starts

Businesses ≥8 cubic yds/week organic material waste must divert

Compostable plastic foodware must have green, brown, beige color/tint or stripe/band

HB 1799 Timeline

2026

Jan 1, 2026

2027

Jan 1, 2027

2030

Jan 1, 2030

Businesses ≥4 cubic yds/week solid waste must divert organic waste

Local governments must ensure provision of organics collection for all residents and businesses

75% reduction of organic material to landfill

Ecology may begin rulemaking if targets not met

Recording

<b>Julie Gilbertson,...</b> Julie Gilbertson, City of V...	<b>Heather Trim, Z...</b> Heather Trim, Zero Waste...				
<b>Lonnie Johns-Br...</b> Lonnie Johns-Brown	<b>Greg Vogel, WA...</b> Greg Vogel, WA Senate	<b>Jay Blazey/Ceda...</b> Jay Blazey/Cedar Grove		<b>Kim Clauson</b> Kim Clauson	
	<b>Chris Brown, Pie...</b> Chris Brown, Pierce County	<b>Steve Wulf</b> Steve Wulf	<b>Brennan Casteel</b> Brennan Casteel	<b>Whitney Latimer</b> Whitney Latimer	<b>Brad Lovaas, W...</b> Brad Lovaas, WRRRA
<b>Jeanette Hanna-...</b> Jeanette Hanna--BASF		<b>Kate Kurtz (she/...</b> Kate Kurtz (she/her), Seat...	<b>Maggie Yuse, Se...</b> Maggie Yuse, Seattle Pub...		<b>Jay Balasbas</b> Jay Balasbas
<b>Chery Sullivan,...</b> Chery Sullivan, WA Dept. ...	<b>Peter Lyon (Ecol...</b> Peter Lyon (Ecology)	<b>Jacob Lipson</b> Jacob Lipson	<b>Kent Kovalenko</b> Kent Kovalenko	<b>Alec Osenbach</b> Alec Osenbach	<b>Hayley Fryling,...</b> Hayley Fryling, Food Lifeli...

Unmute Start Video Participants 86 Chat Share Screen Record Reactions Apps

Recording

<b>Majken Ryherd</b> Majken Ryherd	<b>Brandon Housk...</b> Brandon Houskeeper, N...		<b>Travis Dutton</b> Travis Dutton	<b>Rodd Pemble</b> Rodd Pemble	<b>Shannon McClel...</b> Shannon McClelland	<b>Amy Clow</b> Amy Clow (WA Dept. of A...
			<b>Chris Thomas</b> Chris Thomas		<b>Rod W (WRRRA)</b> Rod W (WRRRA)	
	<b>Jade Monroe</b> Jade Monroe	<b>Gracyna Mohabi...</b> Gracyna Mohabir, Califor...				<b>Neil Edgar,</b> Neil Edgar, CA
<b>Dawn Marie Ma...</b> Dawn Marie Maurer - Eco...	<b>Kelly Naismith</b> Kelly Naismith	<b>Hannah Scholes,...</b> Hannah Scholes, King Co...	<b>Logan Harvey</b> Logan Harvey	<b>Alex Truelove</b> Alex Truelove	<b>Adrian Tan (he/...</b> Adrian Tan (he/him) King ...	<b>Ron Jones</b> Ron Jones, City
<b>Seth Kaufuss</b> Seth Kaufuss	<b>Rory Wintersteen</b> Rory Wintersteen	<b>Michael Waggo...</b> Michael Waggoner			<b>Maria Finley</b> Maria Finley	13605610473

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Zoom Meeting Sign in Recording

<b>Cullen Na...</b> Cullen Naumol	<b>Kris Coperine - ...</b> Kris Coperine - NatureWo...	<b>Janet Thoman,...</b> Janet Thoman, CMA	<b>Mary Harringto...</b> Mary Harrington - WA De...	<b>Michael Smith,...</b> Michael Smith, Chomp	<b>Dan Corum City...</b> Dan Corum City of Tacoma	<b>Dan Martens</b> Dan Martens	<b>Holly Yanai, Div...</b> Holly Yanai, Divert Inc.
<b>Steve Van</b> Steve Van Slyke	<b>Scott Smithline</b> Scott Smithline	<b>Troy Lautenbach</b> Troy Lautenbach	<b>Julie Robertson,...</b> Julie Robertson, Ecology (...)	<b>Brad Boswell</b> Brad Boswell	<b>Jessica Fortescue</b> Jessica Fortescue	<b>Chris Seney</b> Chris Seney	<b>Gwen Vernon</b> Gwen Vernon
	<b>andra Pistoia</b> andra Pistoia	<b>Sean Kawakami</b> Sean Kawakami	<b>Majken Ryherd</b> Majken Ryherd	<b>Brandon Housk...</b> Brandon Houskeeper, N...		<b>Travis Dutton</b> Travis Dutton	<b>Rodd Pem...</b> Rodd Pemble
<b>Shannon McCle...</b> Shannon McClelland	<b>Amy Clow (WA...</b> Amy Clow (WA Dept. of A...				<b>Chris Thomas</b> Chris Thomas		
<b>Rusty C...</b> Rusty Cole	<b>Rod W (WRRRA)</b> Rod W (WRRRA)			<b>Jade Monroe</b> Jade Monroe	<b>Gracyna Mohabi...</b> Gracyna Mohabir, Califor...		

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Zoom Meeting

Julie Colehour is talking...

	<b>Tina Schaefer</b> Tina Schaefer	<b>Patrick Dunn</b> Patrick Dunn	<b>Kelsey Bailey (s...</b> Kelsey Bailey (she/he) ...	<b>Dave Bennett</b> Dave Bennett	
<b>Jacob Lipson</b> Jacob Lipson			<b>Hannah Scholes,...</b> Hannah Scholes, King ...	<b>Julie Gilbertson</b> Julie Gilbertson	<b>Hayley Fryling</b> Hayley Fryling
<b>Rusty Cole</b> Rusty Cole	<b>Majken Ryherd</b> Majken Ryherd	<b>Brandon Housk...</b> Brandon Houskeeper	<b>Shannon McClel...</b> Shannon McClelland	<b>Greg Schoenbac...</b> Greg Schoenbachler	<b>Danielle Winski</b> Danielle Winski
<b>Bill Flagg (ECY)</b> Bill Flagg (ECY)	<b>Liz Fikejs, Seattl...</b> Liz Fikejs, Seattle Publi...	<b>Lonnie Johns-Br...</b> Lonnie Johns-Brown	<b>Dan Corum (he/...</b> Dan Corum (he/him) T...	<b>Jason Lenz</b> Jason Lenz	<b>Peter Guttchen</b> Peter Guttchen
<b>Aaron Czyzewsk...</b> Aaron Czyzewski, Food...	<b>Rebecca Kovar</b> Rebecca Kovar		<b>Rodd Pemble</b> Rodd Pemble	<b>Travis Dutton</b> Travis Dutton	<b>Jay Blazey/Ceda...</b> Jay Blazey/Cedar Grove

Unmute Start Video Participants 78 Chat 1 Share Screen Record Reactions Apps Whiteboards

# Food Waste Prevention/Food Rescue

- **Grants** for donation transportation, cold chain infrastructure, community food hubs, pick and pack
- Require more **data/reporting**
- Address **date labels** on food
- **Standardize operating procedures** for donations (for example: standardize food collection bin colors (yellow); staff training; and other procedures)
- Increase **funding/capacity for Local Health Jurisdictions** to:
  - Provide inspections and technical assistance to hunger relief organizations and food businesses, schools, and institutions
  - Support consistent application of food safety regulations regarding hunger relief organizations and food donation

# Sources and targets (different materials)

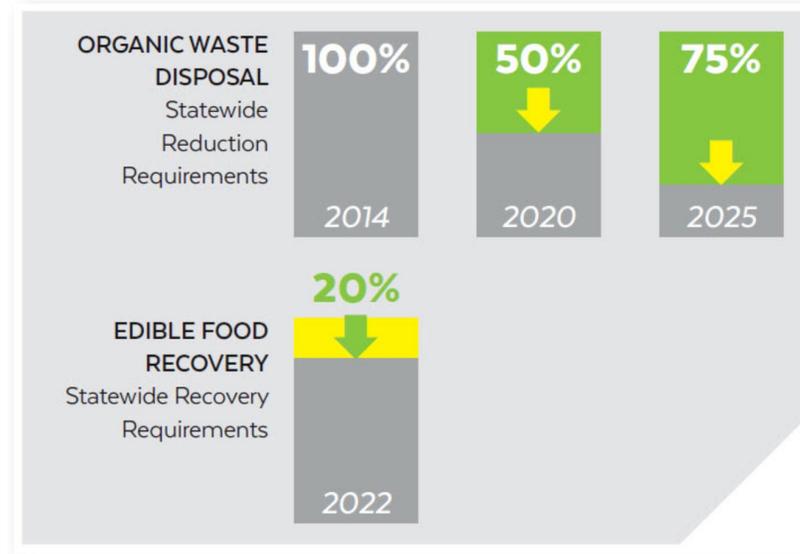
## California SB 1383, September 2016

***Short-Lived Climate Pollutants Reduction Act*** establishing methane emissions reduction targets in a statewide effort to reduce emissions of short-lived climate pollutants in various sectors of CA's economy.

Reduce below 2013 levels by 2030 :

- methane by 40%
- hydrofluorocarbon gases by 40%
- anthropogenic black carbon by 50%

Bill also addressed livestock and dairy, biomethane, and biogas



# Enforcement, Facility siting, Zoning, Permitting & Infrastructure, including other technologies (e.g. AD)



## Title V Permitting Process





# End Markets/Purchasing/Procurement



# Funding/Financing/Rates

- Local government support
- Infrastructure support





# Thank You!

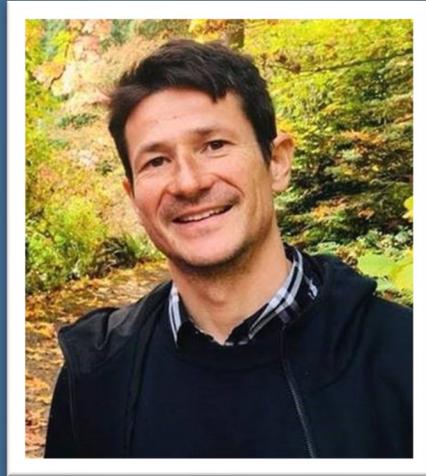
*Heather Trim*

*heather@zerowastewashington.org*

*Zero Waste Washington*

*www.zerowastewashington.org*

# Northwest Product Stewardship Council



**Adrian Tan, King County Solid Waste Division**

**November 8, 2023**





# NWPSC Legislative Preview for EPR

*State SWAC Meeting | November 8, 2023*

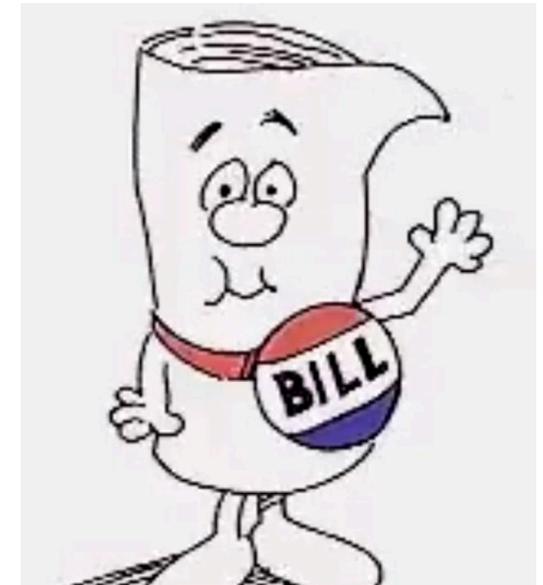


**Northwest Product  
Stewardship Council**

# Legislative preview

## EPR related bills expected in 2024

1. **Washington Recycling and Packaging (WRAP) Act** (Rep. Berry)  
EPR for Packaging and Paper Products (*based on 2023 bill (HB 1131) without a Deposit-Return System for beverage containers*)
2. **A Bottle Bill** (Rep. Stonier) - Deposit-Return System for beverage containers
3. **Mercury-containing lights** (HB 1185)
4. EV Battery EPR – *pending on current study*
5. Wind Turbine Blades EPR (Rep. Wilson) – *pending on current study*

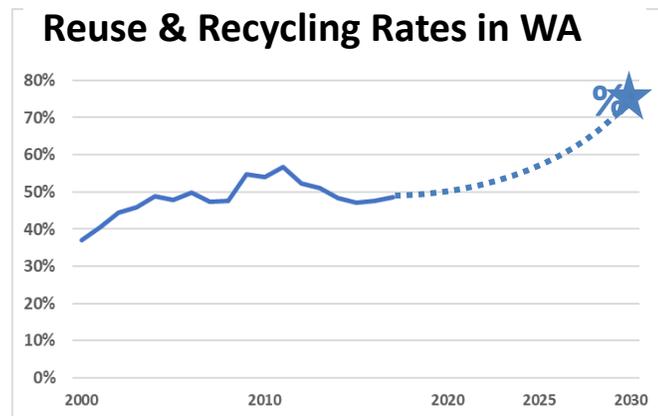




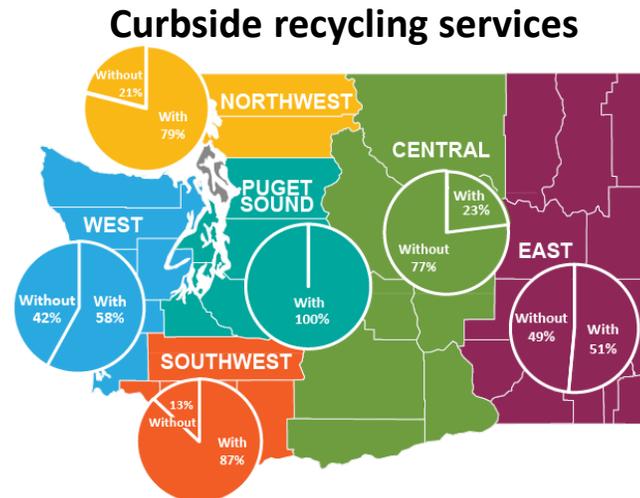
# Improving outcomes

## The intent with EPR

### Increased reuse and recycling



### Universal and convenient recycling services for all



### Responsible recycling *(materials must be sent to verified end markets that meet certain environmental, labor, health and safety standards)*



# EPR for Packaging and Paper Products

## WRAP Act

- **Washington Recycling and Packaging (WRAP) Act**
- Rep. Berry
- Companies that make consumer products are required to fund the recycling system and ensure that their **packaging and paper products actually get recycled**
- Residents, local governments and waste management companies still play important roles
- Consistent education across the state
- Infrastructure improvements



# DRS for Beverage Containers

## Deposit Return System for Beverage Containers

- “Bottle Bill”
- Rep. Stonier
- Consumers pay 10 cents deposit on beverage containers and redeem the 10 cents at drop locations
- Beverage distributors run the beverage container recycling and reuse system, funded by unredeemed refunds and distributors

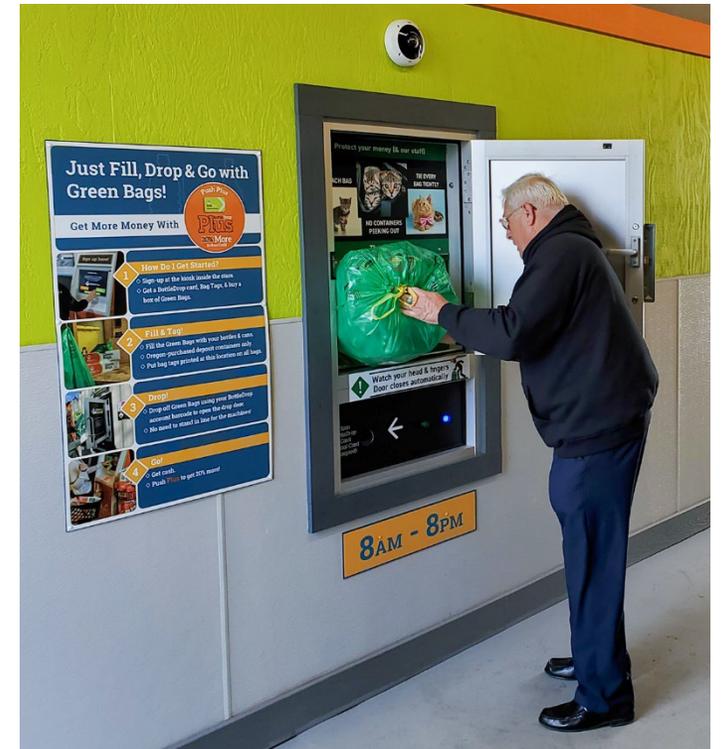


Photo: OBRC

# Mercury-containing Lights

## Mercury-containing Lights

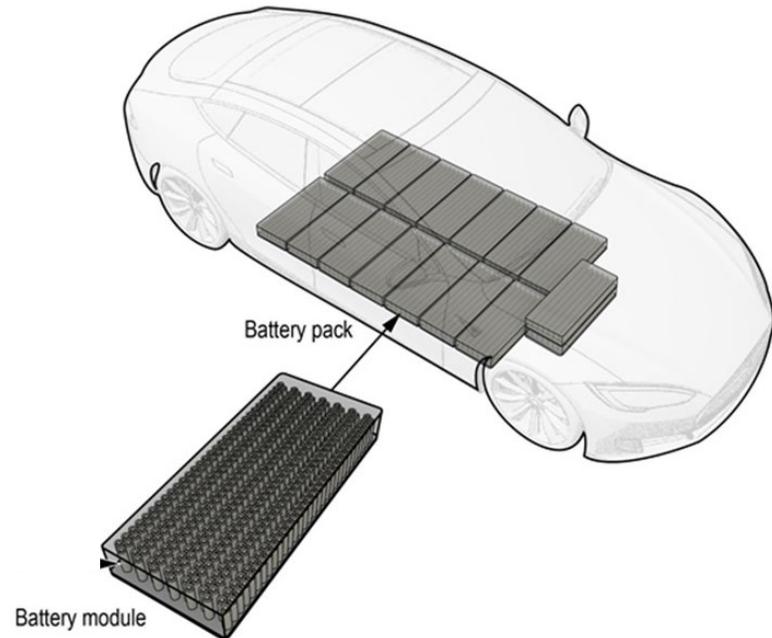
- **The Washington Mercury-Containing Lights Stewardship Law (RCW 70.275)** requires producers to fund a statewide stewardship program for collection and recycling of fluorescent tubes, compact fluorescent lights (CFLs) and high intensity discharge lights (HIDs) from households and small quantity generators.
- Passed in 2010, LightRecycle launched 2015, due to sunset in 2025.
- LED lights are now more energy-efficient and less toxic.



# Possible other EPR-related bills

## Electric Vehicle Batteries

- **Electric Vehicle Battery Management Study (*part of SB 5144*)**



NTSB Graphic by Christy Spangler

## Wind Turbine Blades

- **SB 5287 Study on the recycling of wind turbine blades**



Photo: Benjamin Rasmussen for Bloomberg Green



**Thank you!**

## Contact

- **WA Co-Chair of the NWPSC: Adrian Tan**, King County Solid Waste Division, [adtan@kingcounty.gov](mailto:adtan@kingcounty.gov)

# Department of Commerce



**Kirk Esmond, Sustainable Business Development**

**November 8, 2023**



# Washington State Circular Economy

**SOLID WASTE ADVISORY COMMITTEE (SWAC)**  
— COMMERCE INITIATIVES AND OPPORTUNITIES—  
NOVEMBER 8, 2023

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**Kirk Esmond** | Sustainable Business Development Director

Office of Economic Development & Competitiveness | Washington State  
Department of Commerce



Washington State  
Department of  
**Commerce**

# We strengthen communities

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HOUSING AND HOMELESSNESS



INFRASTRUCTURE AND BROADBAND



SMALL BUSINESS ASSISTANCE



ENERGY



PLANNING AND TECH ASSISTANCE



COMMUNITY SERVICES AND FACILITIES



CRIME VICTIMS AND PUBLIC SAFETY



ECONOMIC DEVELOPMENT

# Economic Development (OEDC)

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Serves as a think tank for reshaping the state's economy for decades to come.



# Circular Economy

## An emerging high-value sector

A circular economy reduces material use, redesigns materials to be less resource intensive, and recaptures “waste” as a resource to manufacture new materials and products.\*

\*US EPA – National Recycling Strategy:  
[What is a Circular Economy?](#)

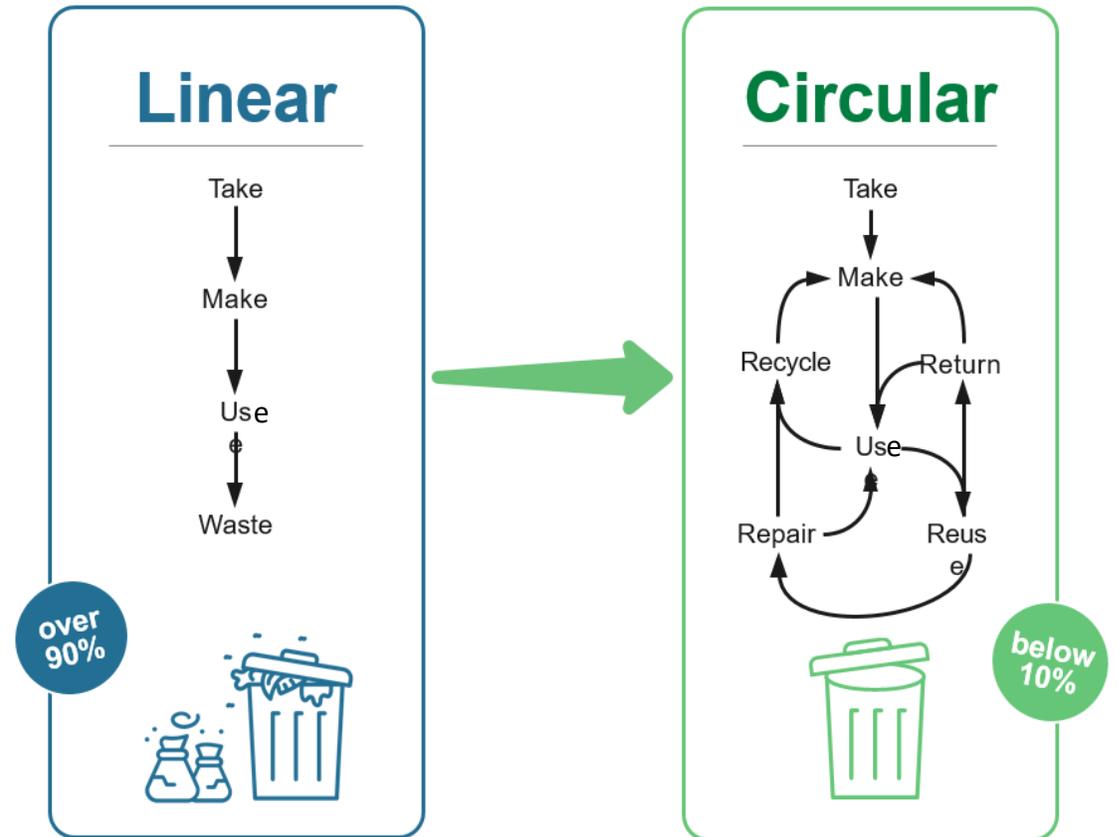


Image credit: [NextCycle WA](#)

# Industrial Symbiosis Program

## Turning waste into value

**Anaerobic digesters** – for renewable natural gas (RNG)

**Biochar** – sequestering carbon while transforming ag and forest waste to renewable energy and soil amendments

**Waste heat capture** – wastewater treatment, server farms

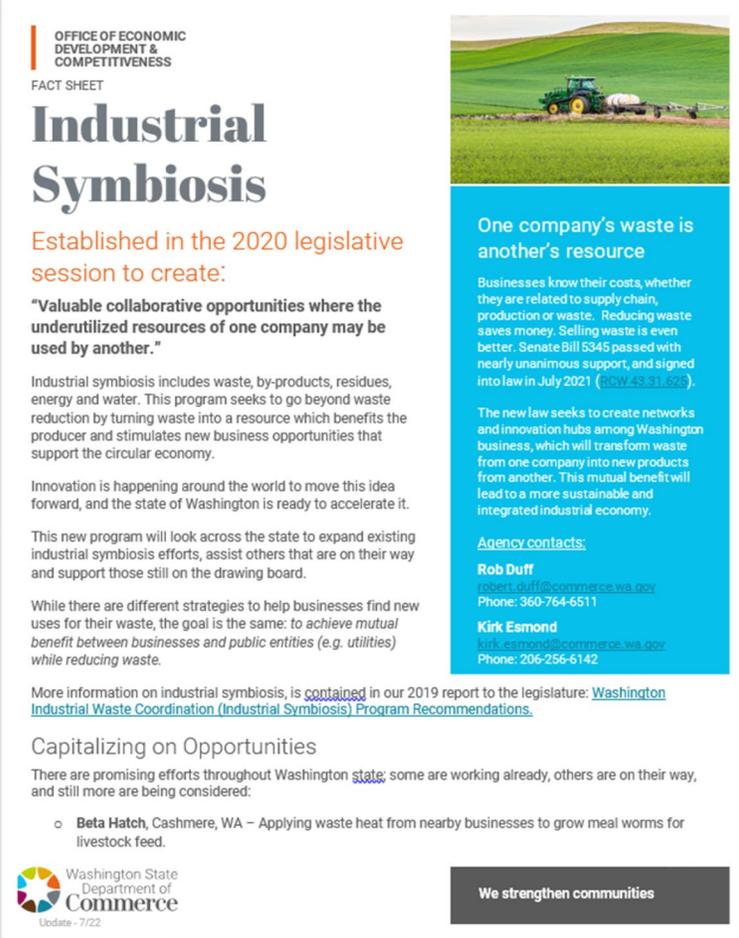
**Sustainable aviation fuel (SAF)** – from forest and ag biomass, and CO2 capture



# Industrial Symbiosis Program - 2022

## Completed projects (FY23)

- **Inland Empire Paper**, Spokane – Transforming fly ash for delivery as a soil amendment using conventional farm equipment (\$250,000)
- **Qualterra Inc.**, Cheney – Biochar production from ag/forest waste biomass while creating renewable energy (\$245,416)
- **Myno Carbon**, Kettle Falls – Combine waste CO<sub>2</sub> with crushed basalt to create a liming agent beneficial to soil health (\$250,000)
- **Chomp**, formerly Impact Bioenergy, Vashon Island – Waste heat capture, dry fertilizer and RNG development (\$104,584)



OFFICE OF ECONOMIC DEVELOPMENT & COMPETITIVENESS  
FACT SHEET

## Industrial Symbiosis

Established in the 2020 legislative session to create:

**“Valuable collaborative opportunities where the underutilized resources of one company may be used by another.”**

Industrial symbiosis includes waste, by-products, residues, energy and water. This program seeks to go beyond waste reduction by turning waste into a resource which benefits the producer and stimulates new business opportunities that support the circular economy.

Innovation is happening around the world to move this idea forward, and the state of Washington is ready to accelerate it.

This new program will look across the state to expand existing industrial symbiosis efforts, assist others that are on their way and support those still on the drawing board.

While there are different strategies to help businesses find new uses for their waste, the goal is the same: to achieve mutual benefit between businesses and public entities (e.g. utilities) while reducing waste.

More information on industrial symbiosis, is contained in our 2019 report to the legislature: [Washington Industrial Waste Coordination \(Industrial Symbiosis\) Program Recommendations](#).

### Capitalizing on Opportunities

There are promising efforts throughout Washington state; some are working already, others are on their way, and still more are being considered:

- o **Beta Hatch**, Cashmere, WA – Applying waste heat from nearby businesses to grow meal worms for livestock feed.

Washington State Department of Commerce  
Update - 7/22

We strengthen communities

One company's waste is another's resource

Businesses know their costs, whether they are related to supply chain, production or waste. Reducing waste saves money. Selling waste is even better. Senate Bill 5345 passed with nearly unanimous support, and signed into law in July 2021 ([CWS 43.31.675](#)).

The new law seeks to create networks and innovation hubs among Washington business, which will transform waste from one company into new products from another. This mutual benefit will lead to a more sustainable and integrated industrial economy.

Agency contacts:  
**Rob Duff**  
[robert.duff@commerce.wa.gov](mailto:robert.duff@commerce.wa.gov)  
Phone: 360-764-6511  
**Kirk Esmond**  
[kirk.esmond@commerce.wa.gov](mailto:kirk.esmond@commerce.wa.gov)  
Phone: 206-256-6142

# Industrial Symbiosis Program - 2023

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## New projects underway (FY24)

- **Cascadia Produce**, Auburn – Food waste diversion. Establishing a retail rejection hub, distribution center and online marketplace (\$250,000)
- **Qualterra Inc.**, Cheney – Biochar to renewable energy. Furthering biomass conversion and generating renewable energy (\$206,857)
- **Waste Loop**, Leavenworth – Landfill diversion. Circular economy of materials and establishment of Reuse Innovation Center (\$157,326)
- **Washington State University**, Pullman – Biochar in concrete. Diverting waste biomass to develop a durable, carbon-negative alternative for the construction industry (\$235,817)



# Industrial Symbiosis Program



## Learning from Danish innovation

### Systemic Approach to Clean Industry project (SACI)

- Follows six years of WA-DK knowledge exchanges
- SACI promotes symbiosis through partnerships in US and Brazil
  - Training facilitators, matchmaking for new project, support local policies
  - Washington state Symbiosis Training in Kalundborg, May 2023
- WA State Ag Symbiosis Study Tour, September 2023

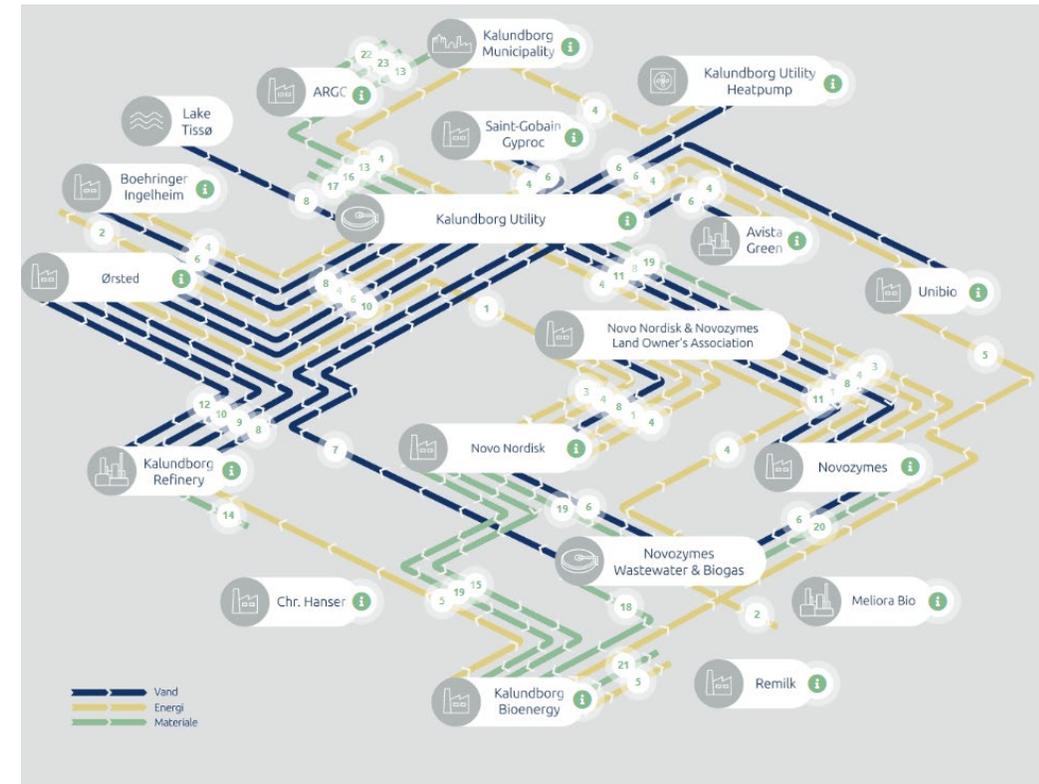


Image credit: [Kalundborg Symbiosis](https://www.kalundborgsymbiosis.com/)

# Making connections

## Recent presentations and training, helping drive best practices

**Agricultural Symbiosis Study Tour – Denmark**

**United States Embassy in Denmark – Copenhagen**

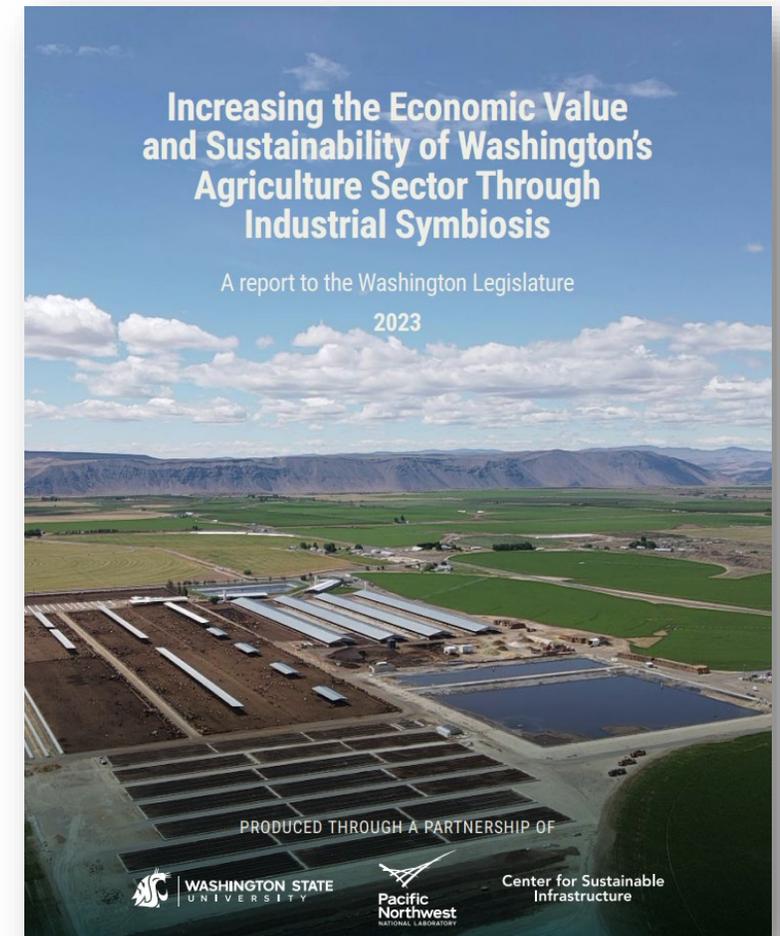
**Systemic Approach to Clean Industry (SACI) – Portland/Tri-Cities**

**Northwest Bioenergy Summit – Kennewick**

**Center for Advanced Manufacturing Conference – Bellevue**

**Biochar Innovation Summit – Spokane**

**Eco-Industrial Parks, innovation workshops – Longview and Pasco**



[Ag Symbiosis Report | sustaininfrastructure.org](https://sustaininfrastructure.org)

# Circular Economy Acceleration



Department of Commerce  
2023-25 First Supplemental Budget Session  
Policy Level - CK - Circular Economy Acceleration

## Agency Recommendation Summary

This funding will accelerate existing decarbonization goals by advancing the reuse of residential, commercial, industrial and agricultural waste. Increased funding for the Industrial Symbiosis Program will level-up current program demand, capitalize on circularity-driven investments, and develop a framework for the innovation of eco-industrial parks in both urban and rural communities across the state. Current funds support 3-4 projects per year—the funding increase will multiply the quantity and impact of symbiosis projects, New funding will drive a circular economy market development program to help achieve statewide waste and emissions-reduction targets while investing in equitable social outcomes.

### Key takeaways:

- **Grant funding** – scaled to better meet industry demand and opportunities
- **Eco-industrial Parks** – framework for circularity-focused industrial areas
- **Market Development Program** – e.g. NextCycle WA

[DP-PL-CK-Circular Economy Acceleration.pdf](#)

# Wrap up – Emerging Opportunities

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## What's next?

- ✓ Utilization of Climate Commitment Act funds to pursue and grow green tech jobs
- ✓ Industrial site readiness including grid transmission needs
- ✓ Federal funding and semiconductor industry expansion
- ✓ Hydrogen Hubs
- ✓ International knowledge exchange
- ✓ Increasing diversity of sustainable energy across sectors



# Notifications and Resources

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- [Washington's Electronic Business Solution \(WEBS\)](#)
- [Washington State Department of Commerce - govdelivery.com](#)
- [Infrastructure Investment and Jobs Act \(IIJA\) - 2021](#)
- [Inflation Reduction Act \(IRA\) - 2022](#)
- [Climate Commitment Act](#)
- [NextCycle WA - Circular Funding Resource Guide](#)
- [Industrial Symbiosis Program](#)
- [Clean Energy Fund](#)
- [Industrial Site Readiness Grant](#)
- [Innovation Cluster Accelerator Program \(ICAP\)](#)
- [Evergreen Manufacturing Growth Grant](#)
- [Grow My Business - Startup Washington \(mystartup365.com\)](#)
- [Washington Department of Revenue - tax incentive programs](#)
- [Recycling Development Center](#)
- [Organics Management in Washington State](#)
- [Agricultural Symbiosis Report to the Legislature](#)
- [The North-West Symbiosis: Creating resource-efficient industries \(white paper\)](#)



Washington State  
Department of  
**Commerce**



Washington State  
Department of  
**Commerce**

[www.commerce.wa.gov](http://www.commerce.wa.gov)



# Thank you.

Kirk Esmond

SUSTAINABLE BUSINESS DEVELOPMENT DIRECTOR

[kirk.esmond@commerce.wa.gov](mailto:kirk.esmond@commerce.wa.gov)

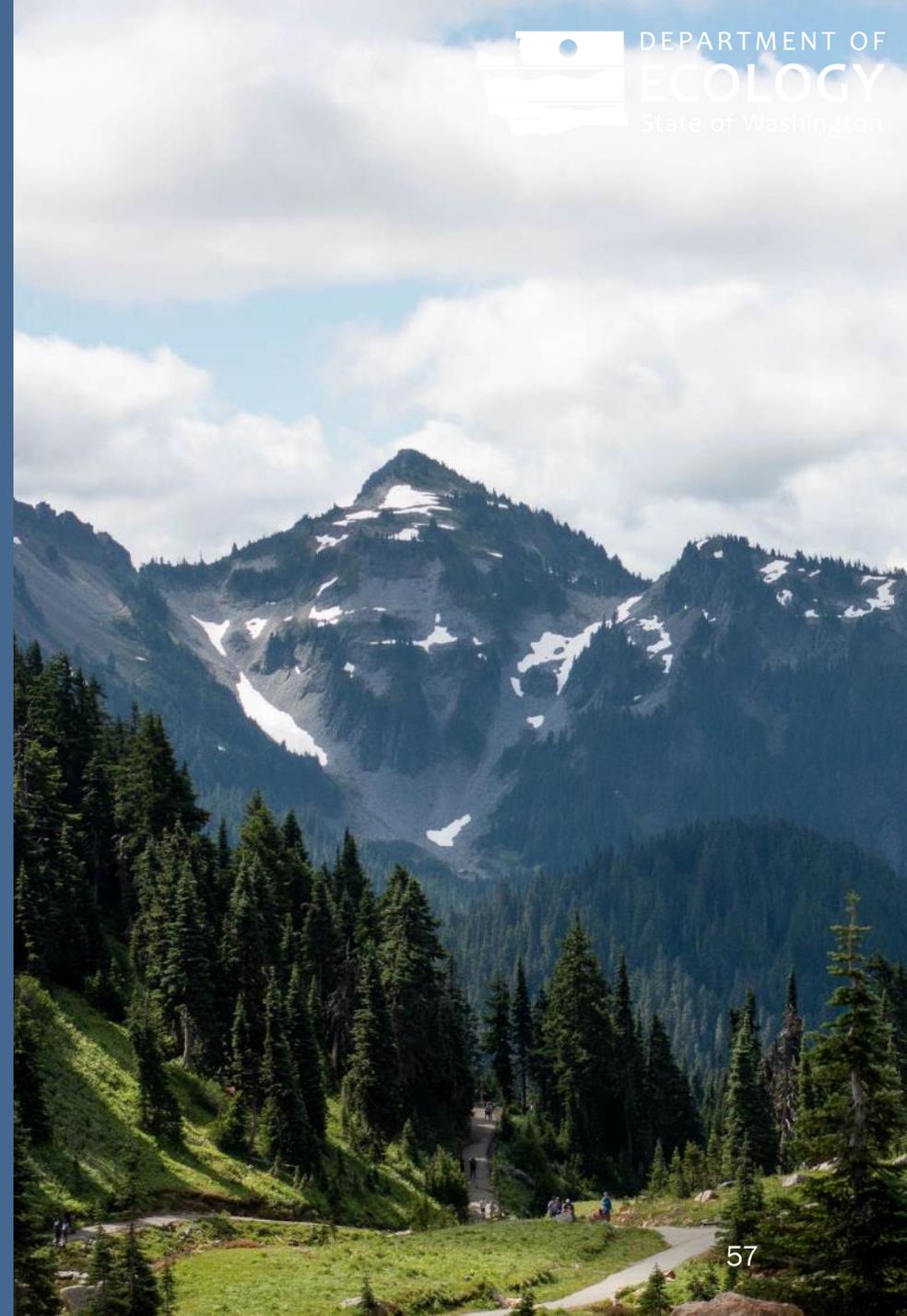
206-837-2622

[www.choosewashington.com](http://www.choosewashington.com)

# Department of Ecology



**Julie Robertson, Solid Waste Management**  
November 8, 2023



# Ecology – Solid Waste Management

- Partner Engagement
  - EPR for Paper and Packaging
  - Organics
  - Biosolids
  - Litter
  - Lighting
  - Appliances
- Implementation & Reports



# Agenda

## Solid Waste Advisory Committee Meeting November 8, 2023 | 9:30 a.m. – 11:10 a.m.

### ~~Call to Order & Zoom Meeting Instructions~~

~~9:30 a.m. | 5 minutes | Troy Lautenbach (Chair) and Becci Piepel (Vice Chair)~~

### ~~Ecology Updates~~

~~9:35 a.m. | 5 minutes | Peter Lyon, Solid Waste Management~~

### ~~Chair & Vice Chair Elections~~

~~9:40 a.m. | 15 minutes | Troy Lautenbach (Chair) and Becci Piepel (Vice Chair)~~

### ~~Legislative Priorities and Expectations for 2024~~

~~9:55 a.m. | 60 minutes~~

- ~~• Washington Food Industry Association – Katie Beeson, Government Affairs Director~~
- ~~• Washington State Association of Counties – Travis Dutton, Policy Analyst~~
- ~~• Washington State Association of Local Public Health Officials – Jamie Bodden, Managing Director~~
- ~~• Association of Washington Cities – Carl Schroeder, Deputy Director of Government Relations~~

### ~~Legislative Priorities and Expectations for 2024 Continued.~~

- ~~• Zero Waste Washington – Heather Trim, Executive Director~~
- ~~• Northwest Product Stewardship Council – Adrian Tan, King County Solid Waste Division~~
- ~~• Department of Commerce – Kirk Esmond, Sustainable Business Development~~
- ~~• Department of Ecology – Julie Robertson, Solid Waste Management~~

### **Member Updates & Roundtable**

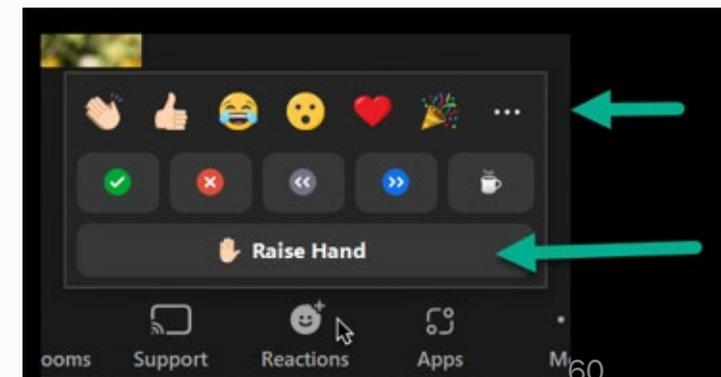
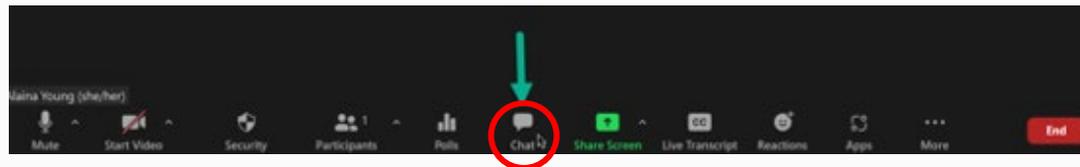
**10:55 a.m. | 15 minutes | SWAC**

### **Adjourn**

**11:10 a.m.**

## *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 turn on your camera and unmute yourself when it's your turn.
- You may also **write your comment in the chat** and we will read it for you.



# Member Updates & Roundtable



**Thank you for joining us today!**