

# **2024 Solid Waste Interested Parties (SWIP) Meeting**

September 18<sup>th</sup>, 2024

1:30pm

**Agenda**  
**2024 Solid Waste Interested Parties (SWIP) Meeting**  
**Thursday, September 18th @ 1:30pm via Microsoft Teams**

1:30	Welcome	Kate Strom Hiorns
1:35	WA Program updates	Kate Strom Hiorns
1:45	Rules updates	Kate Strom Hiorns
2:05	Waste and Materials Management Program financials	Michael Schmit
2:20	Diversion updates and annual recycling data	Jennifer Semrau
2:30	EPA's Landfill Methane Outreach Program	Lauren Aepli
3:00	Non landfill rule pre scope feedback opportunity	Casey Krausensky
3:25	Wrap up and questions	Kate Strom Hiorns

SWIP: Go to [DNR.wi.gov](https://dnr.wi.gov) and search "SWIP" for slides from this meeting and notices on future meetings (next: fall 2025).

# Program and Rule Updates

Kate Strom Hiorns

Waste and Materials Management Program Director

# 2024 Program Updates

- Program Director Brad Wolbert retired in February
  - New Director Kate Strom Hiorns started in May
- Focus on customer service
- Focus on waste reduction and diversion
- Holding vacancies, but hiring when someone leaves the program
- Recently utilizing grants to do more

# Rulemaking - Landfill

- WA-11-22 Landfill Design and Operation and Solid Waste Fees
  - Public hearing September 30 2:30 p.m. - virtual
- TAC meetings April 2023 – Feb. 2024: recommendations included in rule
- General support



# Why focus on fees?

## Problem:

- Fees stagnant since 2006, required program costs have increased
- Inability to conduct plan reviews efficiently (unable to fill vacancies)
- Landfill reviews and other duties continue to grow (avian influenza, closed landfill development, etc.)

## Strategies:

- Code changes to increase efficiency
- Assess staffing and workload
- IT improvements
- Fill vacancies (no new positions)
- *Fees adjusted*

## Outcome:

- Faster customer response, expand staff expertise, share workload
- Digitized files for easy access statewide
- GIS and IT development
- Waste characterization studies for public use

# Rulemaking - Owner Financial Responsibility

- DNR directed by 2023 WI Act 107 to conduct emergency rulemaking
- October NRB meeting – WA-07-24(E)
  - Requirements relating to an alternative method of establishing owner financial responsibility (OFR) at municipally owned solid waste disposal facilities
  - Similar to net worth test for private businesses
- Future public hearing with permanent rulemaking

# Code Feedback Sessions

- What works well?
- What would you change?

[https://dnr.wisconsin.gov/  
topic/Waste/Laws.html](https://dnr.wisconsin.gov/topic/Waste/Laws.html)

Date and time	Topic	Connection info
Sept. 19, 10-11:30 a.m.	Transporters and transfer facilities; s. NR 502.06 and 502.07, Wis. Adm. Code.	<a href="#">Teams link</a> or 608-571-2209; 706738390#
Oct. 3, 10-11:30 a.m.	Solid waste processor, incinerator, air curtain destructor, and municipal solid waste combustor facilities; s. NR 502.08, 502.09, 502.10, and 502.13, Wis. Adm. Code.	<a href="#">Teams link</a> or 608-571-2209; 532223288#
Oct. 17, 10-11:30 a.m.	Open burning, woodburning, and composting; s. NR 502.11 and 502.12, Wis. Adm. Code.	<a href="#">Teams link</a> or 608-571-2209; 227025912#
Oct. 31, 10-11:30 a.m.	Fill exemptions, low hazard exemptions, storage facilities, landspreading, and PCB generators and handlers; s. NR 500.08 and 502.05, ch. 518, and ch. 157, Wis Adm. Code.	<a href="#">Teams link</a> or 608-571-2209,,941205174#
Nov. 14, 10-11:30 a.m.	Infectious waste generators and handlers ch. 526, Wis. Adm. Code.	<a href="#">Teams link</a> or 608-571-2209; 282746732#



# Rulemaking - Recycling

- Rule language finalized; public hearing held in January
  - May: Rule approved by NRB, Governor
  - June: Rule sent to Legislature, not in session until 2025
  - Spring 2025: Legislative Committee review
  - Aug 2025: Rule becomes effective
- In preparation, staff reviewing existing publications, webpages for edits and developing new resources

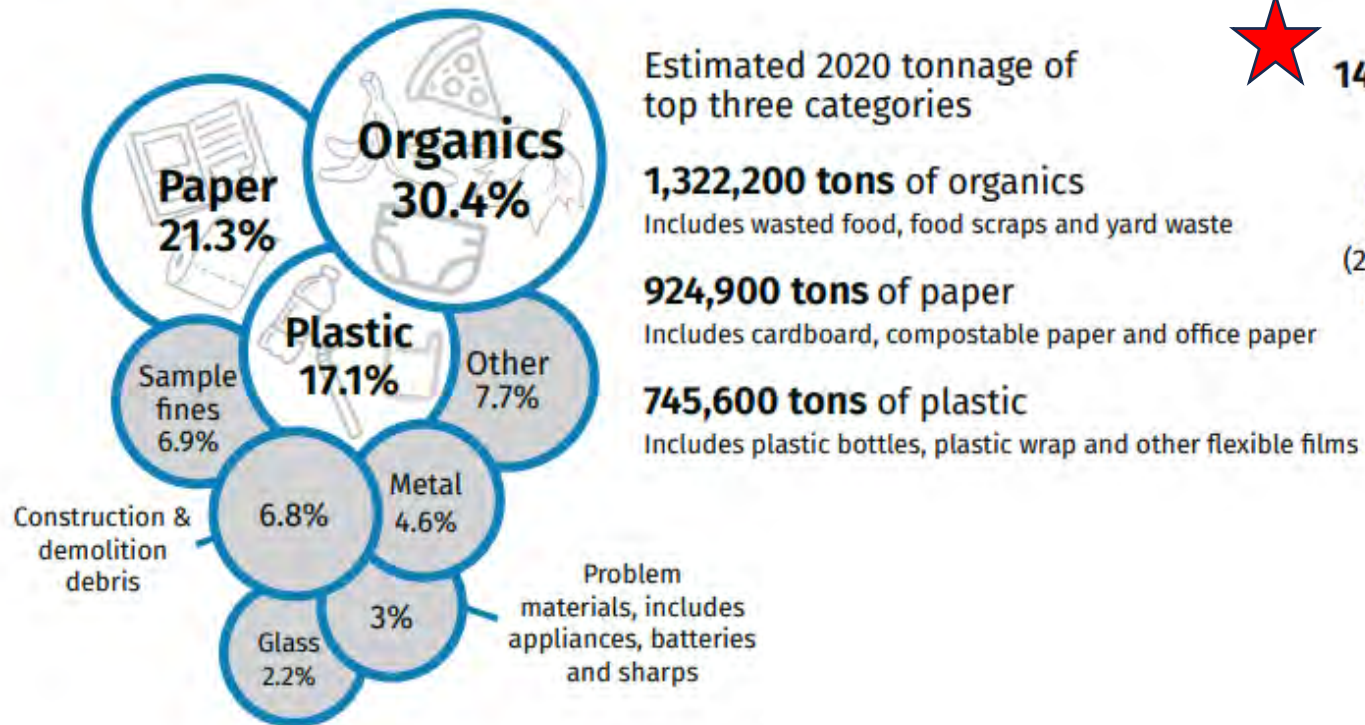
# SWIFR Grant



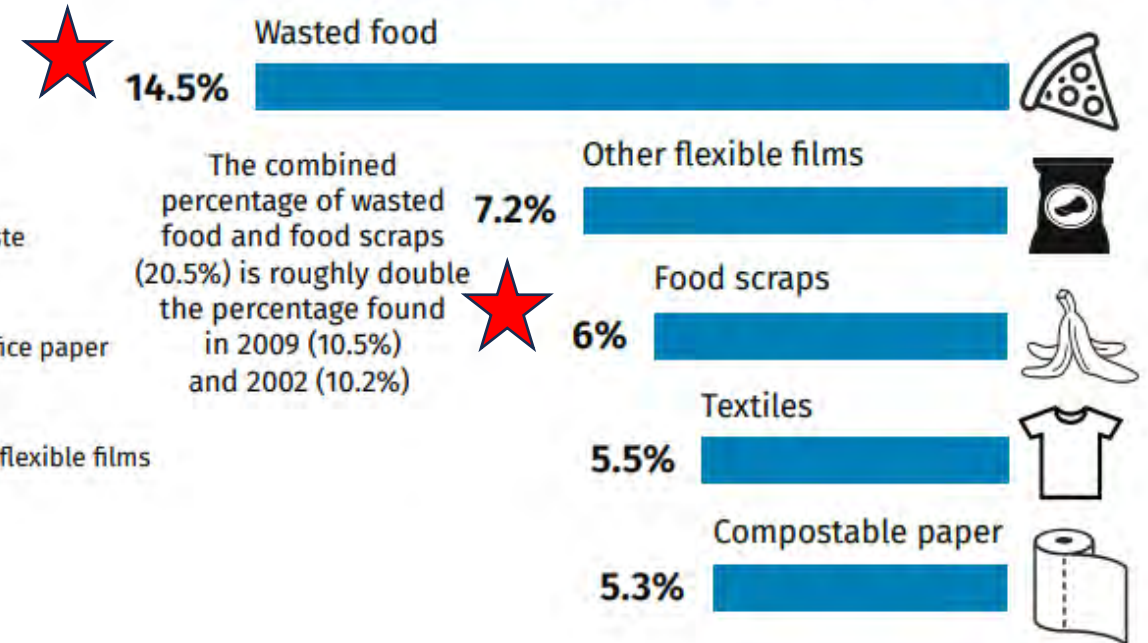
- Solid Waste Infrastructure for Recycling Grant from US EPA
- ~\$550,000 grant, focused on food waste diversion
- Why?
  - Wasted food causes 58% of methane emissions from MSW landfills
  - DNR's Blueprint for Climate Action includes goal to "Reduce per-capita food waste disposed of in Wisconsin landfills by 50% by 2030, compared to 2020 levels."

# DNR 2020-2021 Statewide Waste Characterization Study

## Statewide waste categories



## Top five waste components statewide



# SWIFR Grant



- Hired Organics Waste Management Specialist- Ruth O'Donnell
- Focus on outreach, partnership development, contractor oversight
- Selected HDR to conduct Food Waste Management Evaluation Plan
- Developing survey to go to food waste generators, food reuse outlets and food waste processors
  - Where and why of food waste
  - Infrastructure capacity for donation, rescue, composting & AD
  - Barriers to prevention & diversion

# E-Cycle Collection Grants

- ~\$125,000 awarded in August
- Projects that will establish an electronics collection site or host an event between September 2024 and December 2025
- Businesses, local governments, nonprofits, and tribal governing bodies



# Battery collection and management

- Potentially pair E-Cycle collection events with battery collection
- Goal: expand efforts
- Consider battery universal waste (UW) requirements as well
  - When disposed, most lithium batteries considered hazardous waste (HW)
  - UW streamlined requirements: no HW manifest if sent to permitted HW disposal facility or recycler as final destination
  - Department of Transportation regulations for shipping lithium batteries



# DOE Battery Grant

- “Charging Up Wisconsin Battery Recycling”
- Applying for ~\$1.5M grant, 50% cost share, \$3M total project, 4 yrs
- Project Objectives:
  - Increase participation in existing battery/e-waste collection opportunities
  - Identify gaps in Wisconsin’s battery collection infrastructure
  - Establish and promote new collection locations for batteries (with focus on Justice40 and underserved communities)

# DOE Battery Grant

- Expected outcomes
  - Establish a comprehensive network of battery collection locations, including at least one site per county.
  - Increase the volume of batteries collected through the sites participating in this project.
  - Increase public awareness of how to safely manage end-of-life batteries, reducing fires in the waste stream.



# DOE Battery Grant

- Year 1
  - Hire project manager, oversee work of this project
  - Establish website of existing battery collection locations
  - Conduct GIS analysis to identify gaps
  - Expand statewide battery outreach
  - Use existing E-cycle WI grant recipients to collect batteries
  - Cover 50% of battery collection/recycling costs



# DOE Battery Grant



- Year 2
  - Expand battery collection access in Justice40 communities
  - Prioritize Justice40 communities for E-cycle WI grants
  - Cover 50% of battery collection/recycling costs in Justice40 communities
  - Focus outreach on Justice40 communities, including developing culturally relevant messaging and translating material where needed

# DOE Battery Grant



- Year 3
  - Re-evaluate gaps in collection infrastructure
  - Expand battery collection in WI communities which lack access
  - Prioritize these areas for E-cycle WI grants
  - Cover 50% of battery collection/recycling costs in these communities
  - Focus outreach on these areas

# DOE Battery Grant

- Year 4
  - Continue to cover 50% of battery collection/recycling costs at project sites
  - Continue to leverage E-cycle WI grants
  - Collect and analysis data for project evaluation



# WISCONSIN DEPT. OF NATURAL RESOURCES

## QUESTIONS

SEPT. 18, 2024 | [DNR.WI.GOV](https://dnr.wi.gov)



# **Waste and Materials Management Program Financial Updates**

Michael Schmit

Business Support and IT Section Manager

	FY21	FY22	FY23	FY24	FY25
	Actual	Actual	Actual	Actual	Estimated
Opening Balance	\$ 1,019,443	\$ 531,620	\$ 230,018	\$ 404,684	\$ 482,763
Revenue Sources	FY21	FY22	FY23	FY24	FY25
SW landfill license surcharge	\$ 1,068,239	\$ 1,090,465	\$ 1,106,000	\$ 1,089,986	\$ 1,095,483
SW landfill licenses	\$ 477,400	\$ 477,950	\$ 460,900	\$ 459,800	\$ 466,217
SW C & T licenses	\$ 393,323	\$ 415,729	\$ 425,823	\$ 441,770	\$ 427,774
SW Non Landfill	\$ 131,230	\$ 137,665	\$ 136,763	\$ 133,430	\$ 135,953
SW plan review fees	\$ 435,510	\$ 339,090	\$ 615,685	\$ 381,025	\$ 360,058
HW facilities licenses	\$ 83,200	\$ 70,400	\$ 83,200	\$ 67,200	\$ 73,600
HW transporter licenses	\$ 73,097	\$ 71,600	\$ 72,400	\$ 76,000	\$ 73,333
HW plan review fees	\$ -	\$ -	\$ -	\$ -	\$ -
HW manifest fee	\$ -	\$ -	\$ -	\$ -	\$ -
SW Facility Oper/Mgr Cert Fees	\$ 36,689	\$ 28,540	\$ 27,050	\$ 24,650	\$ 26,747
Infectious Waste Report Fees*	\$ 41,195	\$ 45,205	\$ 42,320	\$ 41,510	\$ 43,012
Misc. (i.e. copying sales/printing/etc.)	\$ 6,490	\$ 4,236	\$ (1,032)	\$ (9,339)	\$ (2,045)
Total Revenue	\$ 2,746,373	\$ 2,680,880	\$ 2,969,109	\$ 2,706,032	\$ 2,700,132
Total Available: (All Revenue Sources + Opening Balance)	\$ 3,765,816	\$ 3,212,500	\$ 3,199,127	\$ 3,110,716	\$ 3,182,894
Total Expenditures	\$ (3,220,446)	\$ (2,756,163)	\$ (3,056,278)	\$ (2,595,199)	\$ (2,900,000)
Total Expenditures & Budget Lapses	\$(3,220,446)	\$(2,756,163)	\$(3,056,278)	\$(2,595,199)	\$(2,900,000)
DOA adjustments to A/R Accounts	\$ (13,751)	\$ (226,320)	\$ 261,835	\$ (32,753)	\$ 200,000
Closing Balance	\$ 531,620	\$ 230,018	\$ 404,684	\$ 482,763	\$ 482,894
	FY 21	FY 22	FY 23	FY 24	FY 25

Appropriation 425

\*Note: FY25 DOA Adjustments are estimated based on several factors the largest being unpaid bills crossing one Fiscal Year to the next.

		(Denominator)			(Numerator)	(Ratio)
Fiscal Year	Schedule	Authorized Expenditure Level	Expenses	DOA Adjustments	PR EOY Account Balance	Actual % (PR EOY Account Bal / Auth. Exp. Level)
FY17	\$ 2,591,700	\$ 2,785,214	\$ (2,258,606)	\$ (279,904)	\$ 246,704	8.86%
FY18	\$ 2,591,700	\$ 3,024,616	\$ (2,740,129)	\$ 81,629	\$ 366,116	12.10%
FY19	\$ 2,591,700	\$ 3,213,335	\$ (2,323,503)	\$ 237,071	\$ 1,126,904	35.07%
FY20	\$ 2,728,600	\$ 3,549,537	\$ (2,642,997)	\$ 112,903	\$ 1,019,443	28.72%
FY21	\$ 2,728,600	\$ 3,765,817	\$ (3,220,446)	\$ (13,750)	\$ 531,620	14.12%
FY22	\$ 2,751,800	\$ 3,212,500	\$ (2,756,163)	\$ (226,320)	\$ 230,017	7.16%
FY23	\$ 2,751,800	\$ 3,199,127	\$ (3,056,278)	\$ 261,835	\$ 404,684	12.65%
FY24	\$ 2,758,500	\$ 3,110,716	\$ (2,595,199)	\$ (32,753)	\$ 482,763	15.52%
FY25 - Estimated	\$ 2,758,500	\$ 3,182,894	\$ (2,900,000)	\$ 200,000	\$ 482,894	15.17%



# **Solid Waste Program Revenue**

**Michael Schmit**

**Business Support and IT Section Manager**

Annual update per NR 520.04(1)(d)(5)

# **Diversion Updates and Annual Recycling Data**










Jennifer Semrau

Recycling and Diversion Coordinator

# Diversion Updates

- Recycling Excellence Awards
- Recycling Grant Application
- LFB Biannual Informational Paper
- Just Announced: Second Round of EPA SWIFR and REO Grants
  - Combined ~\$117M
  - SWIFR for Communities- \$58M, projects \$500K- \$5M, due 12/20/24
  - REO- \$39M, 1 award to a coalition for national wasted food and composting education and expanding compost markets
  - SWIFR for Tribes- \$20M, projects \$100K-\$1.5M, due 3/14/25
- Recycling rule implementation, DOE Grant and SWIFR support

## Recyclable Materials Collected by Wisconsin Responsible Units (in tons)

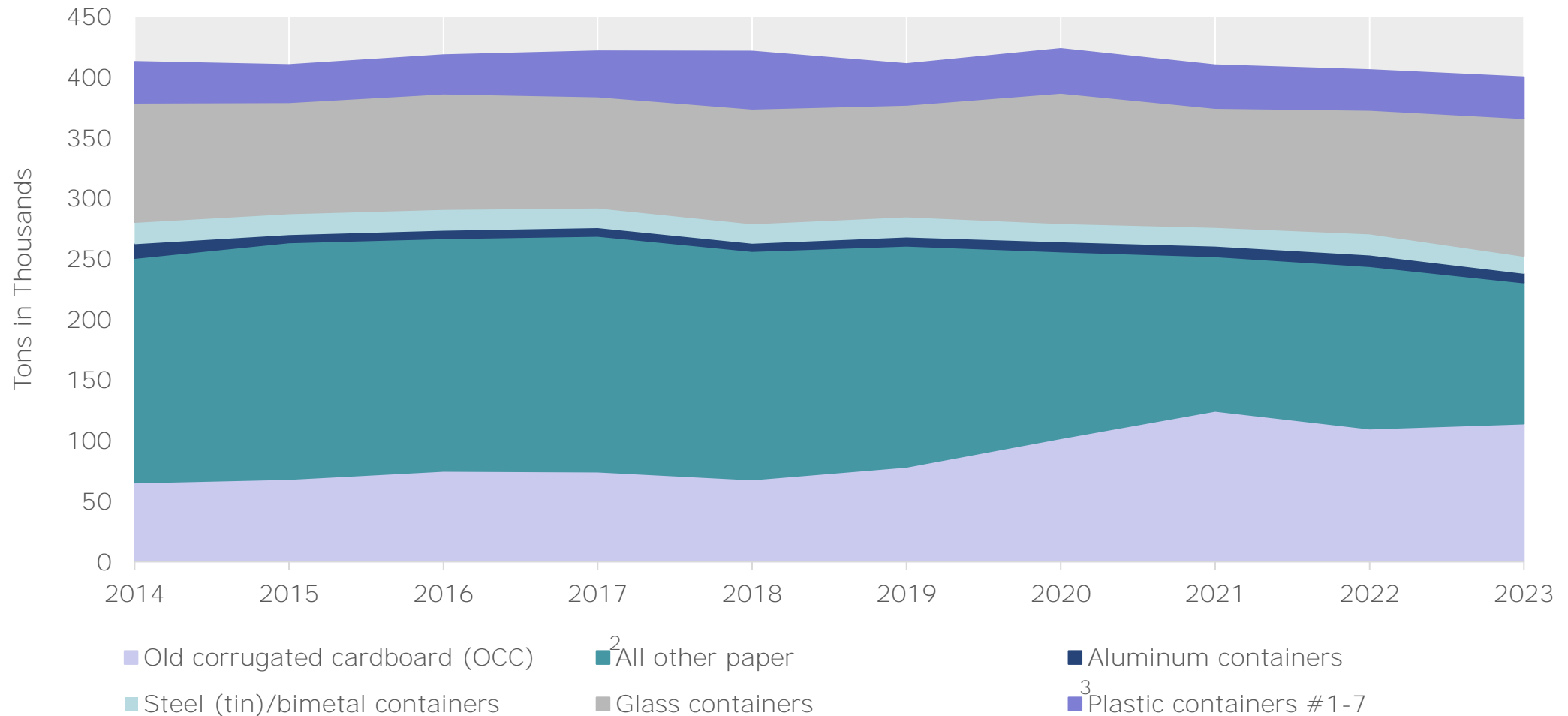
<sup>1</sup> Mandatory Reporting - Banned	2023	% Change from 2022	
Old corrugated cardboard (OCC)	113,965		3.9%
<sup>2</sup> All other paper	116,294		-13.3%
Aluminum containers	7,336		-18.4%
Steel (tin)/bimetal containers	14,672		-18.4%
Glass containers	113,787		11.3%
<sup>3</sup> Plastic containers #1-7	34,060		3.2%
Total Mandatory Reporting	400,114		-1.4%
WI Population	5,992,122		<0.1%
Per capita mandatory reporting (lbs)	134		-1.5%

<sup>1</sup> Wisconsin Recycling Law bans these materials from landfills

<sup>2</sup> Includes some non-banned paper, primarily residential mixed paper








<sup>3</sup> Variance - plastic #3 - #7 released from bans

# Trends In Recycling: All <sup>1</sup>Banned Materials Collected by WI Responsible Units

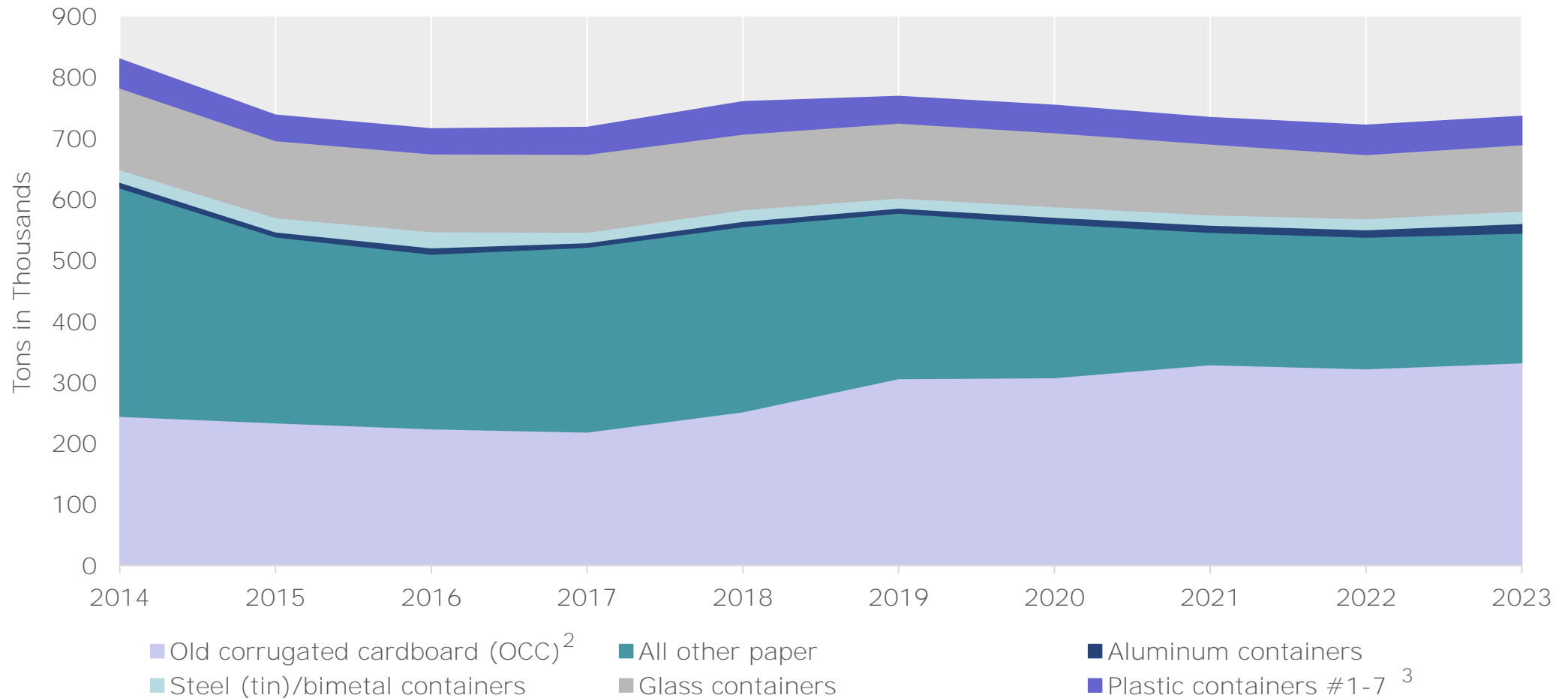


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## Recyclable Materials Sent to End Markets from Self-Certified MRFs (in tons)

<sup>1</sup> Mandatory Reporting - Banned	2023	% Change from 2022	
Old corrugated cardboard (OCC)	332,309		3.0%
<sup>2</sup> All other paper	212,693		-1.4%
Aluminum containers	15,855		28.4%
Steel (tin)/bimetal containers	20,402		13.8%
Glass containers	108,856		3.4%
<sup>3</sup> Plastic containers #1-7	45,835		-3.8%
Total Mandatory Reporting	735,950		2.0%
<sup>1</sup> Wisconsin Recycling Law bans these materials from landfills <sup>2</sup> Includes some non-banned paper, primarily residential mixed paper <sup>3</sup> Variance - plastic #3 - #7 released from bans			

# Trends In Recycling: All <sup>1</sup>Banned Materials Sent to End Markets from Self-Certified MRFs

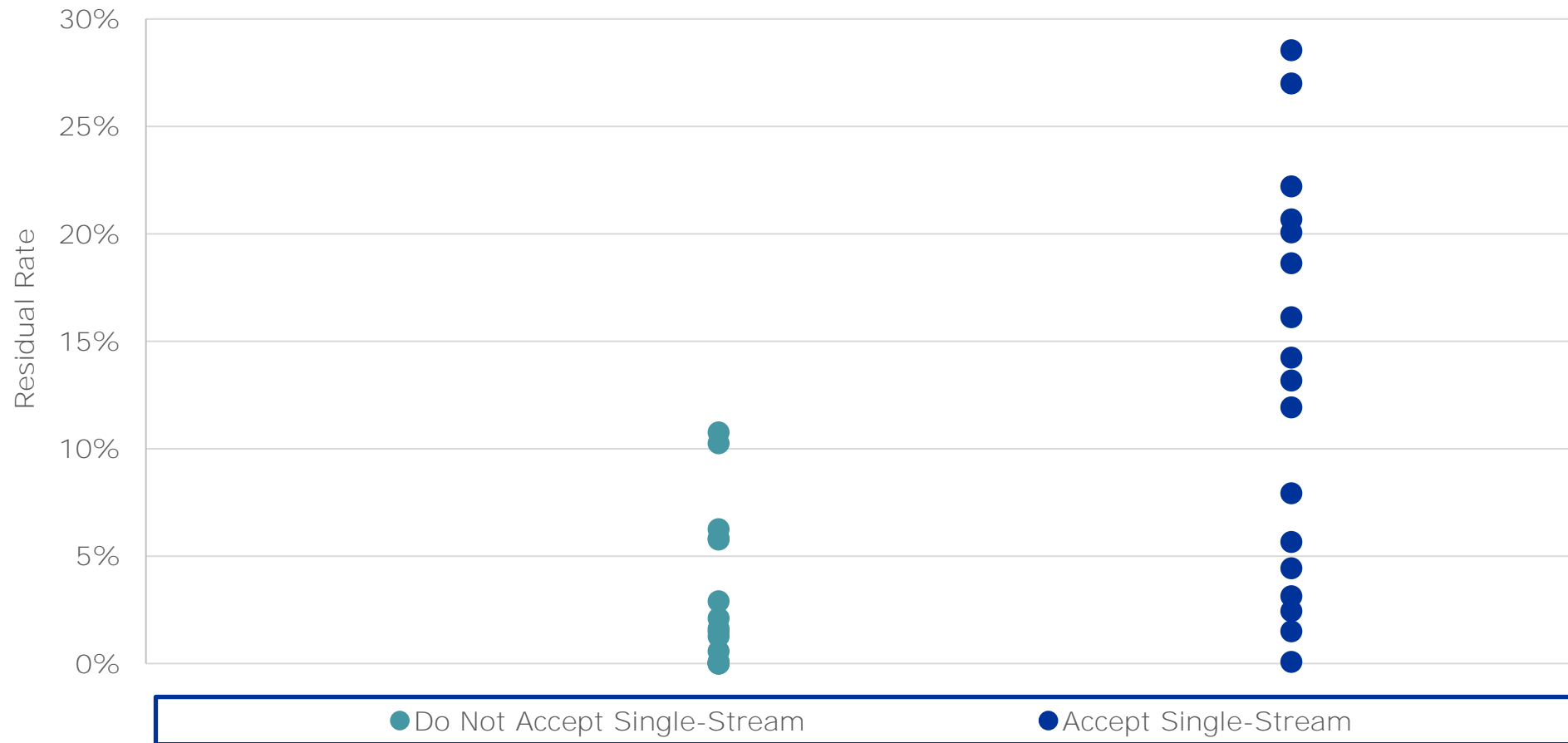


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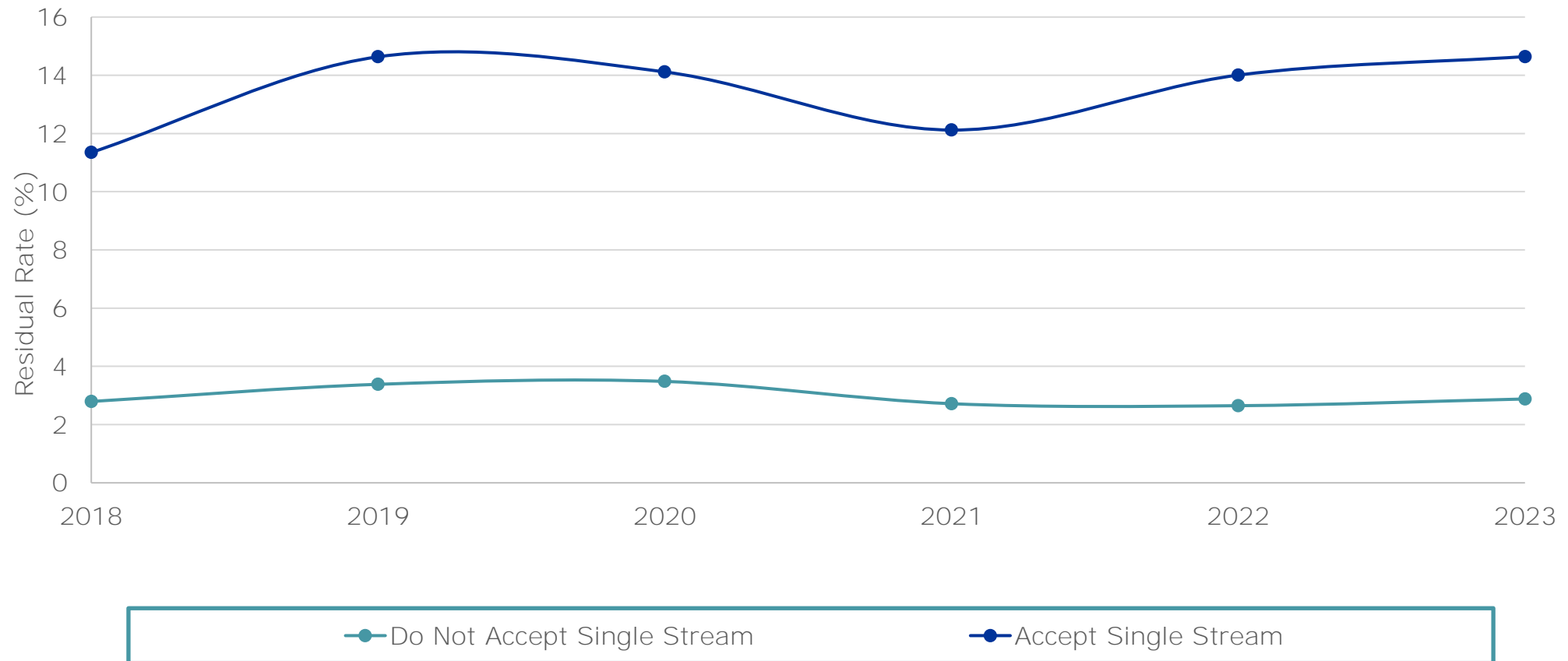
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## Residual Rates Based on % Received for All Self-Certified MRFs Located in WI in 2023

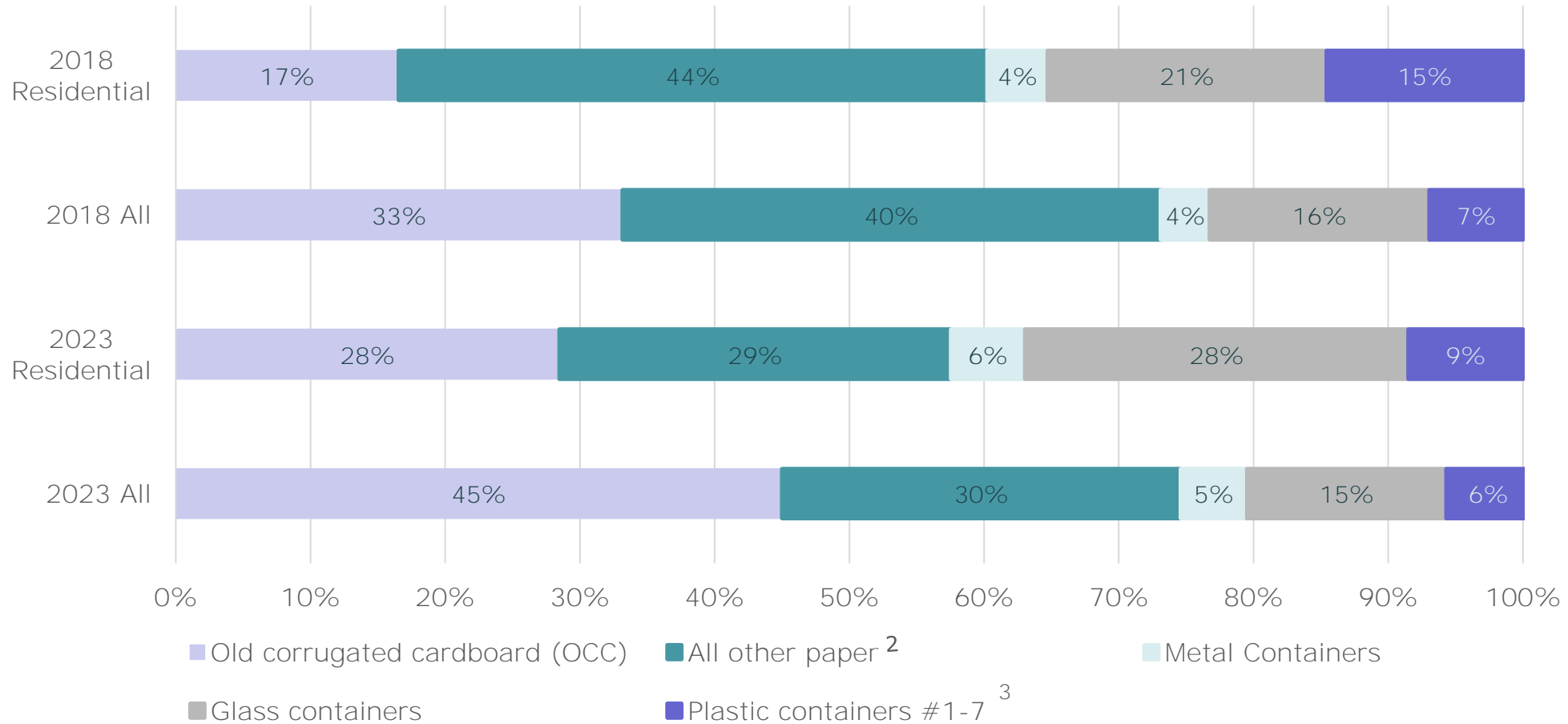




## Residual Rate Trends Based on % Received for All Self-Certified MRFs Located in WI 2018 - 2023



## Breakdown of <sup>1</sup>Banned Materials Sent to End Markets by WI Self-Certified MRFs 2018 vs 2023

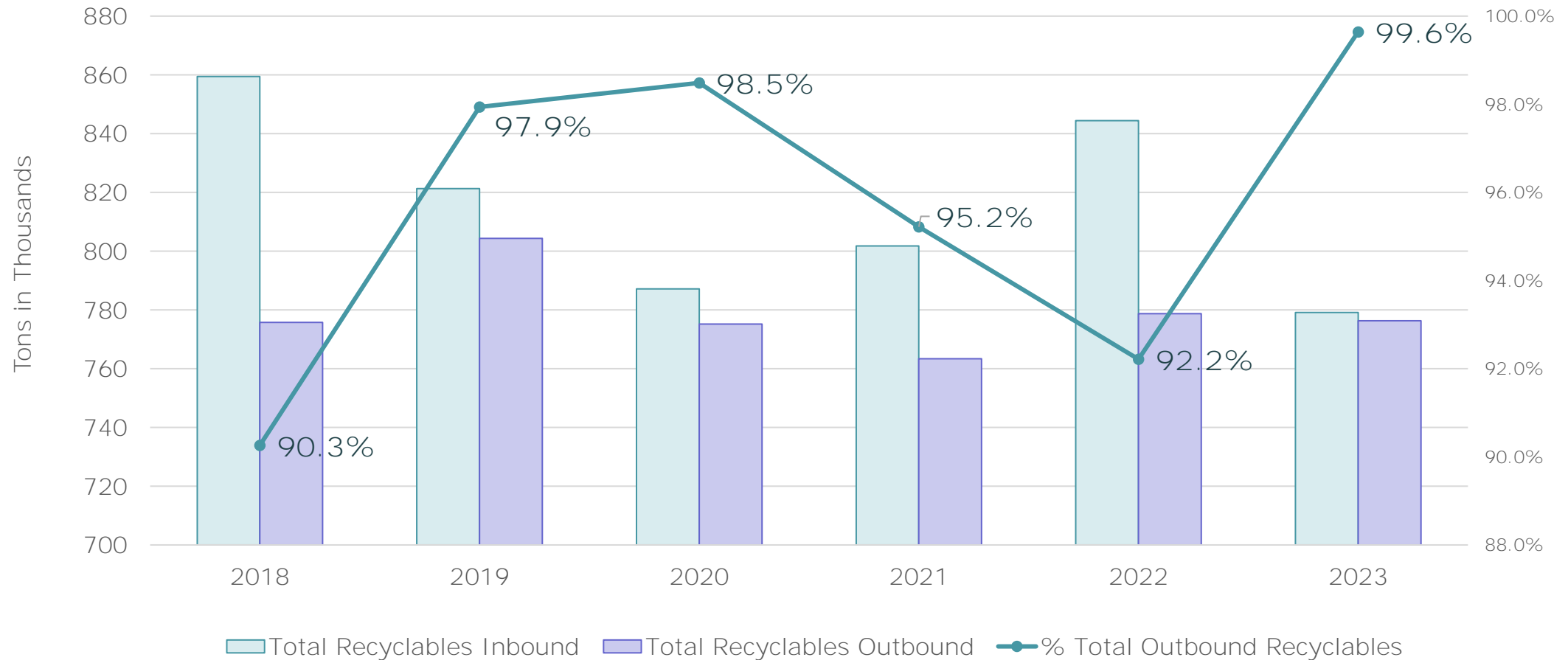


<sup>1</sup> Wisconsin Recycling Law bans these materials from landfills

<sup>2</sup> Includes some non-banned paper, primarily residential mixed paper

<sup>3</sup> Variance - plastic #3 - #7 released from bans

## % Total Recyclables Sent Out from All WI Self-Certified MRFs 2018 - 2023



Note: As described in s. NR 544.16(1)(b), Wis. Adm. Code

# Questions?

[Jennifer.Semrau@wisconsin.gov](mailto:Jennifer.Semrau@wisconsin.gov)

# **EPA's Landfill Methane Outreach Program**

Laure Aepli

# **Nonlandfill Rule Feedback: assessing update and research needs**

Casey Krausensky  
Solid Waste Coordinator

# Feedback Sessions Schedule

Date and time	Topic	Connection info
Sept. 19, 10-11:30 a.m.	Transporters and transfer facilities; s. NR 502.06 and 502.07, Wis. Adm. Code.	<a href="#">Teams link</a> or 608-571-2209; 706738390#
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# Code Primer

- Statute overrides
- Authority comes from statute
- Materials not being used for their original intent is a SW
- Management of SW needs a license unless otherwise stated
- Even if a license isn't needed requirements may apply



# Poll questions

# General

- Wisconsin code vs other states
- Waste code vs other programs
- General thoughts

# CONNECT WITH US

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**Casey Krausensky**

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@WI\_DNR



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"WILD WISCONSIN:  
OFF THE RECORD"

# Wrap Up

- Slides will be posted at:  
DNR.WI.gov search “SWIP”  
(<https://dnr.wisconsin.gov/topic/Waste/SWIP.html>)



[Casey.Krausensky@wisconsin.gov](mailto:Casey.Krausensky@wisconsin.gov)

for future topic ideas/questions

## Next SWIP meeting will be fall 2025

- Sign up for “Solid Waste News”  
gov delivery for notifications  
DNR.wi.gov search “solid waste”  
(<https://dnr.wisconsin.gov/topic/Waste/Solid.html>)

