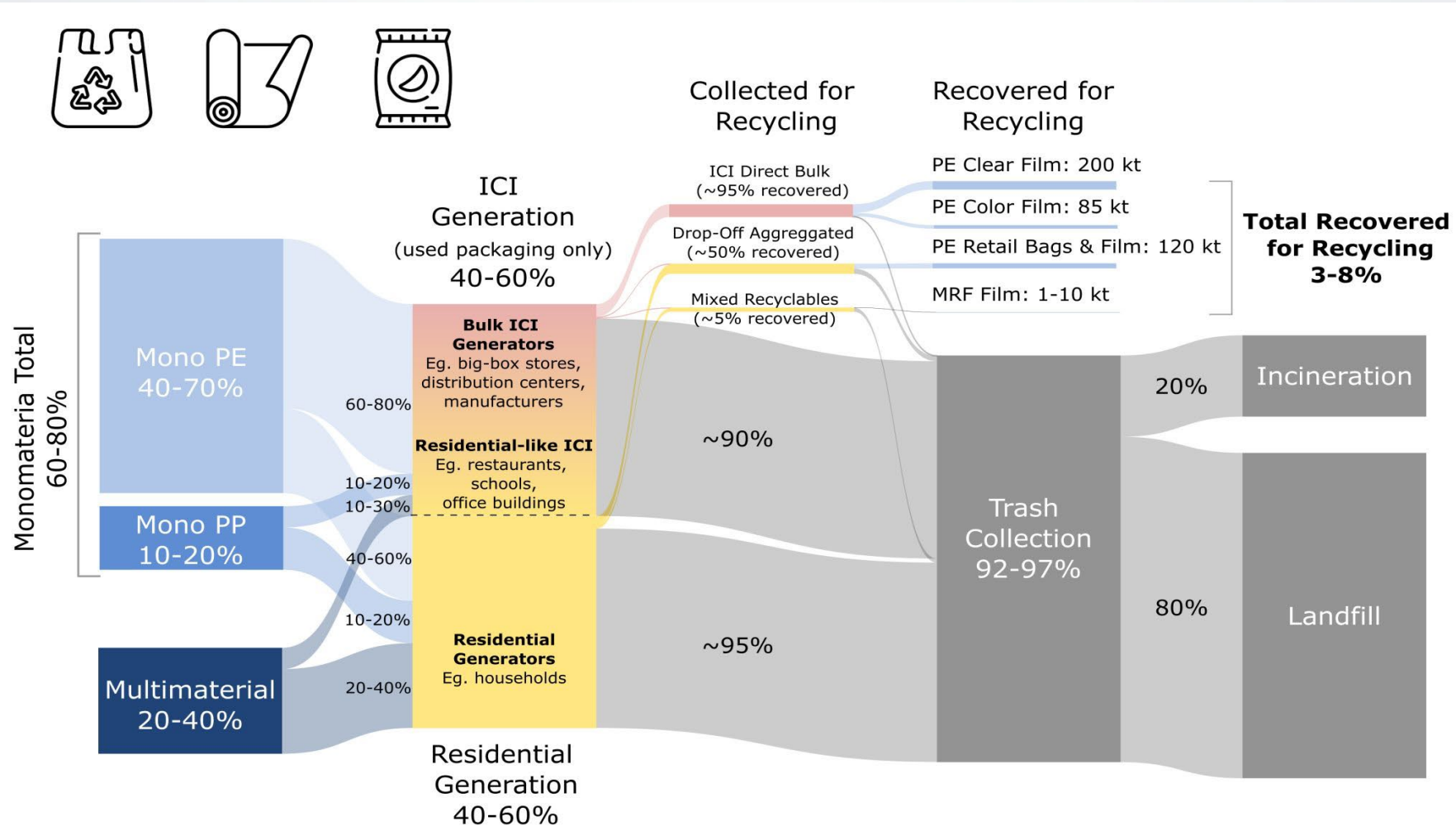


Flexible Film Production and Recycling

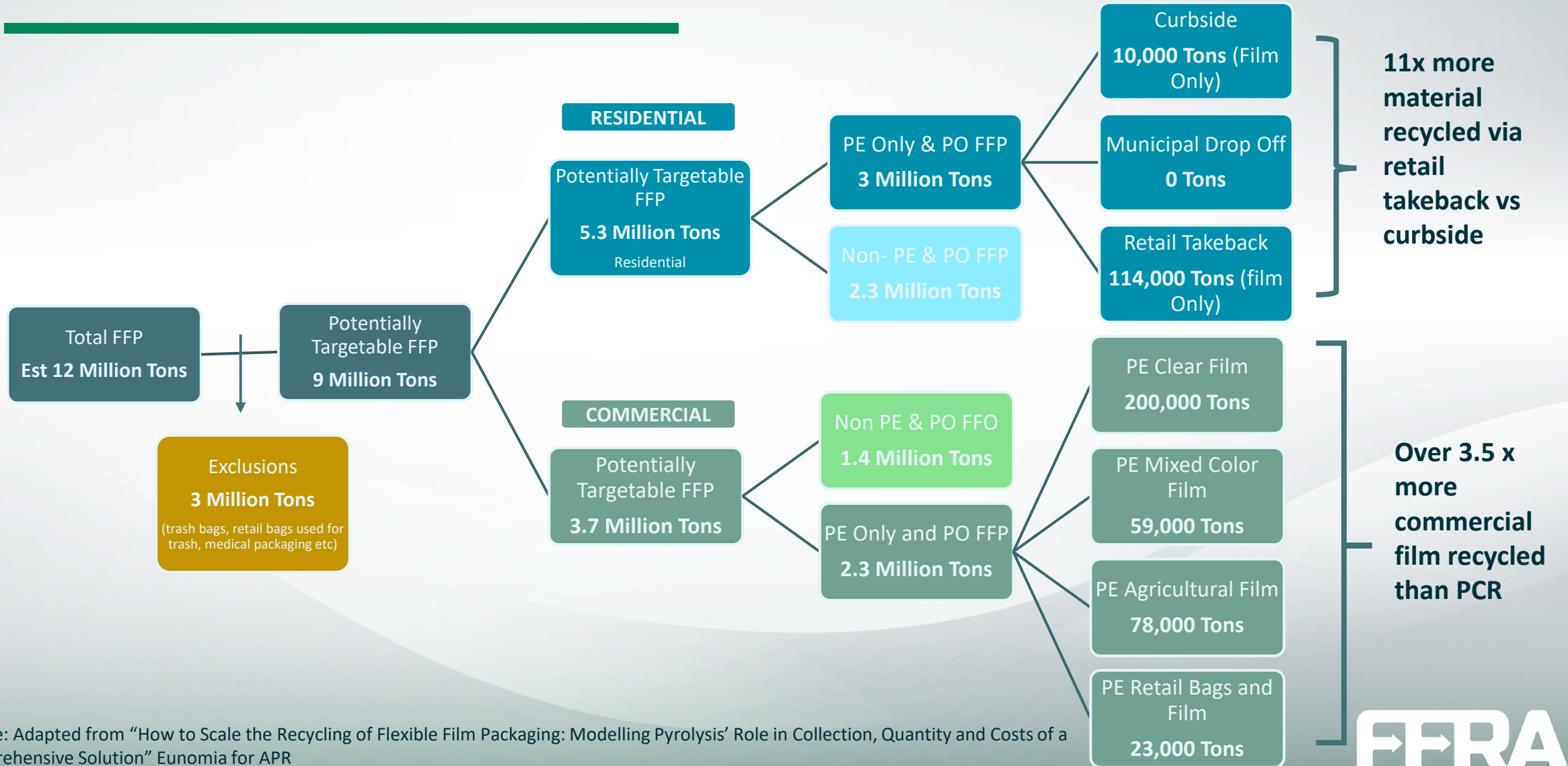


Total US Flexible Plastic Packaging (FPP): 5-15 MMT (2021)

Source: O. Makarova (June 2025), Addressing Favorable and Challenging Flexible Plastic Packaging Waste Flows: A Material Flow Analysis. *Journal of Advanced Manufacturing and Processing*.






<https://doi.org/10.1002/amp2.70014>

Another Film Recycling Perspective



Source: Adapted from "How to Scale the Recycling of Flexible Film Packaging: Modelling Pyrolysis' Role in Collection, Quantity and Costs of a Comprehensive Solution" Eunomia for APR

Flexible Film Landscape: Today's Presenters

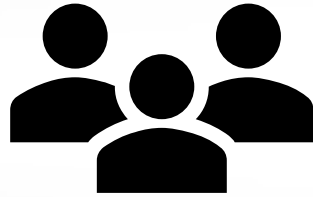
	Consumer Education & Awareness	Industry Education & Design	Collection	Reprocessing	Market Development	Advocacy
	Consumer Film Recycling Campaign	Collection Best Practices	Pending: Validation Framework for Depots	Various pilots (commercial)		State advocacy
	Plastic Film Recycling Directory					
	EPR Investment in all areas to drive recycling systems and packaging design improvements					
					Research and testing into end market applications	
					End Market Pilots (Grades B/C/MRF)	
				Growing End Market Demand		
	Access and Recycling Education		Grants for flexible film collection, sortation and reprocessing (curbside)			Federal & State advocacy
			Subsidize operational costs for film processing			



FFRA

FLEXIBLE FILM RECYCLING ALLIANCE

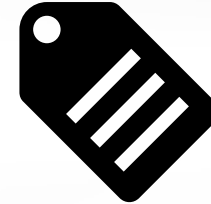
Building Trust in Film Recycling



Consumers



Legislators



Brands

“Does film recycling really work?”

Only 29% of US consumers are very or extremely confident the things they toss in the recycling bin are actually getting recycled.

FFRA Drives Circularity for Flexible Films



VALUABLE RESOURCE

Flexible film packaging is recognized as a key material in the circular economy



EDUCATION & AWARENESS

Stakeholders understand its benefits and recyclability



VERIFIED IMPACT

Success is demonstrated through third-party verification and assurance



PLASTIC FILM
RECYCLING

FFRA's Plastic Film Directory

Find a recycling
drop-off center for
flexible plastic film
near you

- ✓ 20,000+ locations from 60+ retail partners, plus municipal depots, throughout the U.S. collect plastic film for recycling
- ✓ They accept grocery bags, plastic wrap, shipping mailers, and so much more.
- ✓ Recycling these items helps produce new products with a reduced carbon footprint, and helps keep plastics out of our environment.

Q Enter your address, City or Zip Code

Start typing your address or zip code and then select it from the dropdown.

📍 Use My Location



Help us keep data up-to-date — report an issue >

216k+
Unique Users

Top States
(March-April)

1. California
2. New York
3. Washington
4. Illinois
5. Massachusetts

Themes of Consumer Inquiries from Film Recycling Directory

#1: List of acceptable items in SDO program

#2: Questions on specific SDO locations

#3: Learning where to take bulk volume of film

Developing Pilot Programs for Business-to-Business Film Recycling

Targeting Higher Value Film through Capacity from Existing Channels

Clean, Dry, Consistent



- Directly from businesses
- Minimal contamination
- High value vs. MRF film

Low Friction, Low Cost



- Existing logistics capacity
- Easy for businesses
- Source separated pick-up

Built for SB 54 Reality



- Strives towards CA recycling targets in near term
- Secures recycling data
- De-risk scaling up

Ensuring Confidence in Film Recycling through Validation Program

Challenge

- Unverified film recycling
- Reporting, back-up information to confirm recycling practices

Validation Framework

- Creating guidelines and best practices to show ways to confirm recycling
- Documentation

Impact

- Accurate reporting, program improvements, better quality
- Build trust and confidence in process

