

Michigan's Electronics Program

Taking Back the Takeback Program

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EGLE

Today's Program

- In the beginning
- Basics of the law
- The intent as we know it
- Today's reality
- How do we fix it?

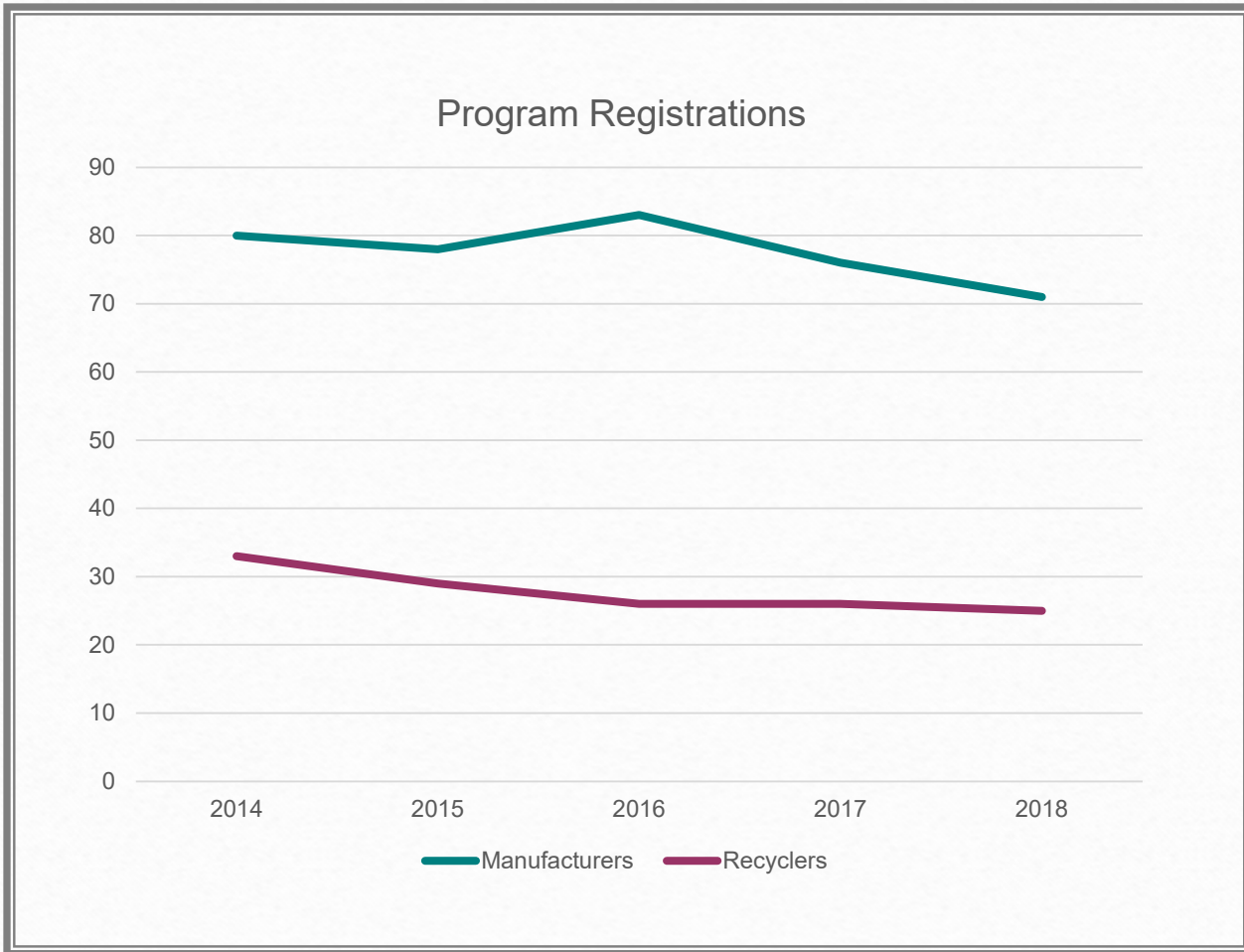


Basics of the Law

- Covered devices
 - Computers, laptops , printers, televisions, monitors
- What are not covered?
 - DVD players, CD players, cable boxes, keyboards, cables, mice, peripherals, cords.
- Why does it matter?
 - Non-covered devices can be up to 20% of the material collected

Basic Requirement

- Manufacturers- register brands; establish a takeback program for their devices; implement the program; provide education and outreach.
- Recyclers – register if they recycle covered devices; follow certain basic recycling practice requirements.
- Retailers; only sell registered devices



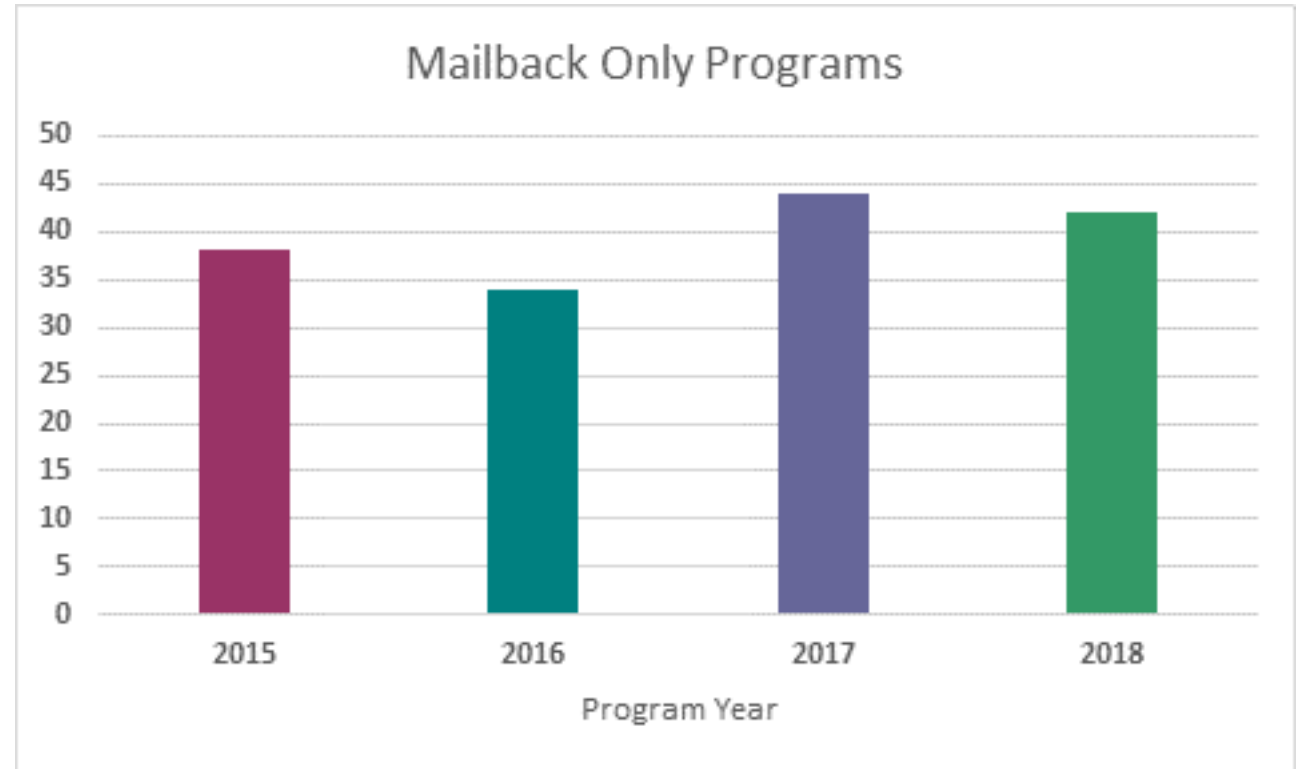
Number of
Registered Co.

Key Points

- Fewer Manufacturers supporting collection programs
 - Reduced participation
 - emphasis on mail back programs
- Recyclers
 - Unfavorable economics – higher cost to collectors

Mail back

- Chart: Manufacturers with mail back only programs
- Nearly every company offers a mail back option.
- Issue: Annually less than one pound of covered devices are returned via mail back

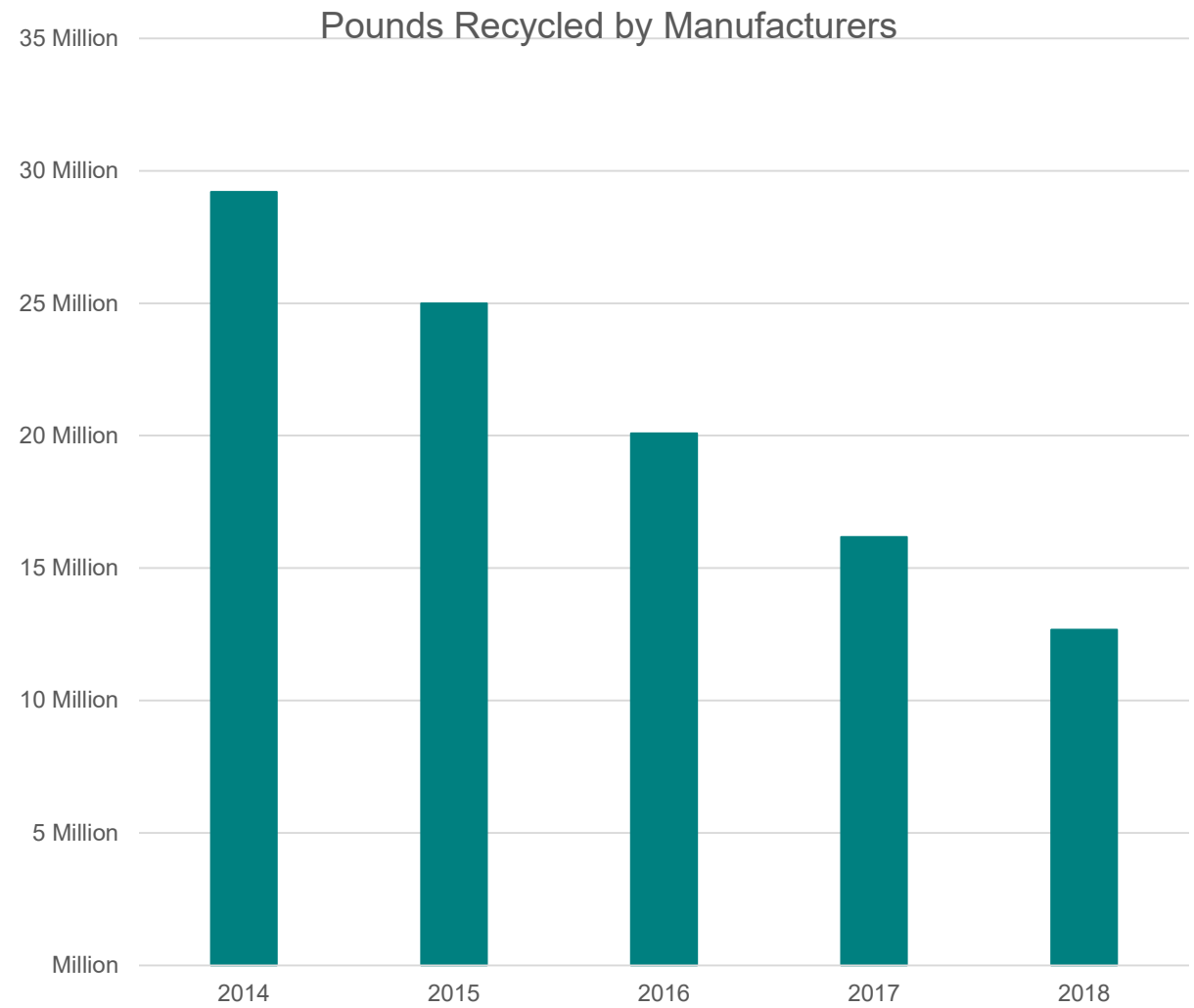


Reality:

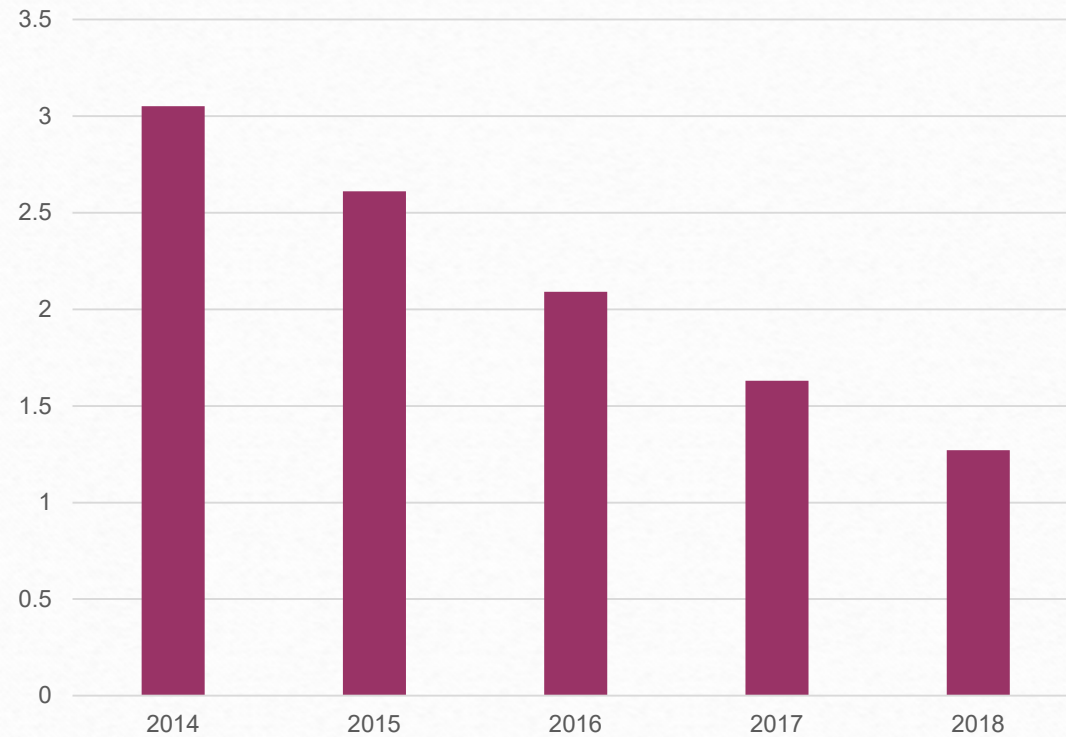
Costs of Recycling Electronics

- Collection and site operation:
 - Transport from collection site to consolidator/recycler: 4 - 5 cents/lb.
 - Preparation for shipping (stack wrap and sort): 2 - 3 Cents/lb.
 - Transportation from consolidator to recycler: 4 - 5 cents/lb.
 - Processing electronics: 3 – 14 cents/lb.
- Minimum cost: 13 cents/lb.
 - Rural areas result in additional cost.
- Program management: ???

Pounds Collected



Pounds Recycled Per Capita (Manufacturers)



MICHIGAN:
Lowest rate in
the great lakes
region

EGLE efforts

- Compliance communications
 - 2017 TV manufacturers – please improve your programs
 - 2018 TV manufacturers – Seriously: improve your programs
 - 2019 All manufacturer - Your programs failing to meet standards
- Does it make a difference: Yes to the big seven
 - When the other 65 companies cut back you see an overall decline.
- 2019 Promoting and testing mail back programs

Law Requires a Takeback Program

- While it is in the law that manufacturers set up a takeback program, mail back programs are an acceptable alternative
- Community collection program
 - costly option for manufacturers
 - more convenient for residents
- Starting in program year 2020 – EGLE will post and promote links to mail back programs.

Why do I have to pay?

Cost to recycle - MI

- Transport from collection site to consolidator/recycler: 4 -5 cents/lb.
- Preparation to ship (stack, wrap and sort): 2-3 cents/lb.
- Transportation from consolidator to recycler: 5 cents/lb.
- EOL processing CED's: 3 – 14 cents/lb.
- Skimming

Other Programs

- CALIFORNIA
 - Non-CRT devices- 60 Cents
 - CRT devices- 49 Cents
- CONNECTICUT (Ave \$0.65)
 - Collectors – \$0.28 to \$0.31
 - Recyclers – \$0.36 to \$0.39

Additional Challenges

- Unregistered recyclers
 - Scrap yards
 - Haul your crap companies
- Unregistered, why does it matter?
 - Manufacturers lack of access to collected pounds
 - Skimming the good stuff
 - Data security

Economic Impacts



Recyclers are charging collectors \$0.25 to \$0.60 per pound.



2018 & 2019 DEQ will pump \$300,000 into television recycling efforts in our state.

Other Efforts



Internal focus – Rural areas of the state



Rural recycling support

Focus on the Upper Peninsula for two years: 2017 & 2018

Established a consortium to provide recycling for all of the UP

Public/Private partnership

Where are we going?

- Nowhere fast
- 2015 - 2016 stakeholders group convened
 - Changes died of old age
- 2018 - internal rewrite of the law
 - On hold due to administration change
 - Fee sunset September 2019
- Weak law (current) does not encourage strong efforts

Basic needs – Update the law

- Allow reasonable fees to be charged
- Level the playing field- All manufacturers have goals
 - Currently only TV manufacturers have voluntary goals
- Implement convenience standards
- Collectors have to register
- All recyclers have to register
- Lower recyclers fees
- No more mail back only

Neighboring States

- Up to 10% reduction in collection volume on year over year basis.
 - Lite weighting
- Rural collection points are closing.
- Increase in mail back only programs.

AUDIENCE
PARTICIPATION

- What is working and what is not?
- What needs to change?
- How do we get there?
- Do we need an ewaste program?

CONTACT INFORMATION

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