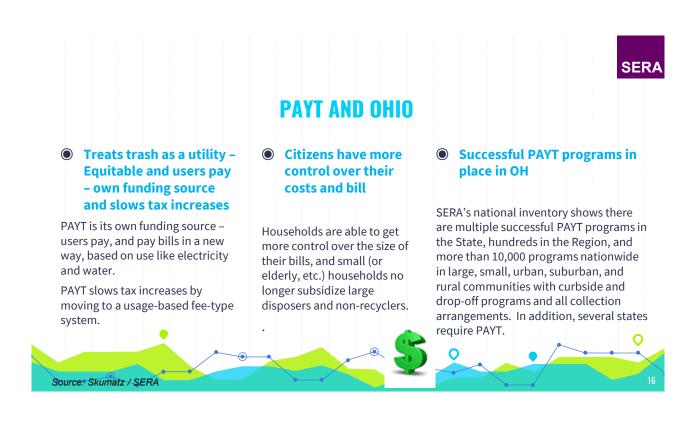


#### SER/ **PAYT AND OHIO** Citizens tend to PAYT Implementation PAYT is least costly, favor PAYT after the costs can be low most cost-effective fact strategy Between 89-95% of As mentioned, PAYT is mainly a PAYT (itself) is mostly a new customers prefer PAYT after new billing system, not new billing system, not new it is implemented. The first collection. collection. 3-6 months can include Statistical studies show PAYT The program can be complaints about change. provides the greatest tonnage implemented with minimal Up front the majority think it increase at least cost of more change to existing collection, is more fair. than a dozen strategies building onto existing collection researched. systems. Source: Skumatz / SERA





#### **PAYT AND OHIO - CONCERNS**

Illegal dumping: Does not tend to increase litter / illegal dumping increases. When it happens, it is less than 3 months. → must have convenient methods for bulky waste (and some changes to periodic "cleanups").

<u>Unpaid bills</u>: addressed easily if combined with water service bills...

Plastic from PAYT bags: discussion on both sides

Low Income households: Large disposers pay more, which is not necessarily low income. All can (including LI) save by recycling. Can offer discounted bags for LI qualified households. This policy choice is only in place is a small minority of communities.

#### More complicated rate study:

The math is not hard, but a greater understanding of household setouts is needed to mitigate revenue risk.

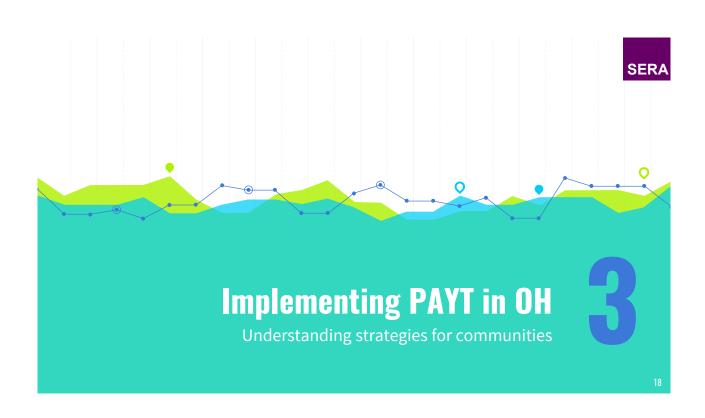
Cost?: Studies in 2 states found PAYT did NOT increase city costs for 2/3 of those implementing. Pick the best fit system for you!

Really about single hauler, or made to favor large haulers: PAYT is in place with large and small haulers across the US. Some financing issue may arise with cartbased systems.

PAYT does not require or favor single hauler or contracts. It is in place in areas with subscription haulers across the country.

Haulers should prefer the program; best practices deliver embedded recycling (costs and associated profits) for all households serviced meaning required business growth.





## PAYT BEST PRACTICES – BEST PERFORMING RESIDENTIAL PROGRAM DESIGN

- Convenient recycling options available (Must have large recycling cart)
- ➤ Incentivizing level of <u>price difference</u> (50-80%+)
- Small trash container option available
- Recycling costs <u>embedded</u> in trash fee
- Parallel containerization
- Education
- Reporting / monitoring / access / enforcement (level playing field)
- ... Otherwise PAYT may not be worth the administrative hassle...

Works with bag/tag, can, hybrid, drop-off collection systems

Source: Skumatz / SERA

Source: Skumatz / SERA





#### **HOW OH COMMUNITIES CAN MOVE TO PAYT Municipal Collection Contract Communities Open Subscription Hauler** Resolution? Negotiation if existing Ordinance requiring all contract lasts long haulers operating to offer Container choice PAYT with some specific Discussion of recycling Rate computation requirements (%, Recy) change capacity OR or RFP with updated +Normal change items -**PAYT** requirements RFP/Contract route (next) Facility checks, approval / page). Needs "notice", etc. +Normal change items public processes Facility checks, approval / + Normal change items Enterprise or not? public processes

### PAYT VIA ORDINANCE VS. CONTRACT FOR SUBSCRIPTION HAULER AREAS

Ordinance Advantages	Contract (and muni) Advantages	
Fewer Hauler ("Taking") & Citizen Complaints ("Choice")  Maintains competition  No need for "notice"  Quick  Can specify rate "structure"  Hauler does billing  Minimal City effort (RFP, etc.)	<ul> <li>Lower Cost / bills</li> <li>Fewer trucks, "cleaner" set outs, reduced wear/tear on streets and emissions</li> <li>One hauler to contact if problems arise.</li> <li>City "control" including rates/setting; revenues; city OR hauler may do billing</li> <li>More flexible / easier to enforce penalties than ordinance</li> <li>Can "designate" facility destinations for materials</li> <li>Potential revenue source</li> </ul>	
under same rules.	<ul> <li>(Similar for franchise / district EXCEPT may not get lower bills if multiple awardees)</li> </ul>	

Pricing and Containerization
Nitty gritty, but options manageable

#### **CARTS VS. BAGS**

Carts and Bags AND combined (hybrid) systems work for PAYT.

Cart advantages	Bag advantages	Hybrid
<ul> <li>Cheaper for residents (5+ years)</li> <li>More convenient for residents (don't run out)</li> <li>More flexible in incentives</li> <li>Less revenue risk (pay monthly)</li> <li>Don't rip, weather, easy to see</li> <li>Works better with <u>automated</u> less wear/tear on coll'n staff (enforce)</li> <li>Addressing LI a little easier</li> </ul>	<ul> <li>More flexible in sizing / set outs even wkly; pay for what you use weekly</li> <li>No billing system needed (invoicing only)</li> <li>A little more difficult for large items</li> <li>Doesn't require up-front purchase cost</li> <li>Doesn't take up room in garage / yard</li> <li>Servicing easily at stores, via contracts</li> <li>Doesn't need special trucks</li> <li>No cart changes/labor/storage</li> </ul>	<ul> <li>Don't need to change base collection or containers</li> <li>Don't need to add new billing system</li> <li>Doesn't work with fully-automated collection</li> <li>Can optimize out of pocket "extra" costs design</li> </ul>
Steps for Adding Carts	Steps for Adding Bags	Steps for Hybrid
<ul> <li>Ownership decision</li> <li>Funding purchase</li> <li>Choice/Order/Assembly/Roll-out</li> <li>Switches and storage</li> <li>Billing system required;outreach</li> </ul>	<ul> <li>RFP for logo-ed bag purchase (choose sizes) and/or purchase &amp; supplying (see prices from statewide contracting)</li> <li>Availability, invoicing, enforcement</li> <li>Outreach</li> </ul>	Same as steps for bag Outreach for clarity  Source: SERA 2020 Rights Reserved

## DECISIONS AND ANALYTICAL STEPS - CONTAINERIZATION CHOICE



#### **Currently have carts**

- Add a new smaller cart option (or 2) \*\*
  - Repurposing / are recycling > carts big enough
  - EOW option
- If carts small-ish, can go to cart/bag hybrid (depends on collection truck type)
- Logo-ed bags in cans (enforcement)

#### **Currently have / allow bags**

- Switch to requirement for logo-ed bags & education
- Add carts if going to automated collection (1 size if bags in carts or multiple sizes) (need billing system)

### Customers supply their own containers

- Hybrid, adding bags to current system (clarify "minimum")
- Switch to logoed bags
- Switch to carts if planning in longer run

(\*\*) funding new carts can be an issue: can discuss upon request (with more time) options including leasing, loans, loans from other funds, customer purchase, using contracts to finance carts paying balance after 3-5 year contract. Cart ownership is also an important discussion issue.

Source: SERA 2020 Rights Reserved



# DECISIONS AND ANALYTICAL STEPS – PRICING, STRUCTURE, INCENTIVES

#### **Principles & Options**

Need <u>substantial-enough</u> variable portion to provide incentive

Better to embed recycling cost; don't line-item

ANY option can be <u>all in or two-part</u>, using enviro fee plus user fee. Reduces revenue risk, but this pulls away from meaningful variable incentive

REDUCE revenue <u>risk</u> with set out survey & calculation of reductions AND comparison to other communities – and Phase-out

Source: Skumatz / SERA

#### Carts

Need <u>small</u> cart option to provide meaningful reward Differential must be 50-80% more for double the service volume to change recycling behavior.

Can be less than 100% for double volume.

Billing is fixed repeated \$

One or 2 part ok; Mathis

#### Bags (or hybrid)

Can do one (or 2) sizes to provide options; naturally provides options

Differential should be substantial per bag (~\$1.75-\$2+ minimum per 30-35 gallon bag)

One or 2 part rate OK; math is very easy

No billing needed – invoice stores

Source: SERA 2020 Rights Reserved

### DECISIONS AND ANALYTICAL STEPS – BILLING SYSTEM



DILLING STSTEM					
	Going to Carts	Going to Bags	Going to hybrid		
Currently billed in Taxes	<ul> <li>Consider removing from taxes over time</li> <li>Maybe keep enviro fee (rev. risk)</li> <li>Must install new billing system; consider joint bill with other city utilities if possible; bill with water best – can shut off water if trash unpaid</li> <li>Only needs to be recurring fixed bill amount</li> </ul>	<ul> <li>Consider removing from taxes over time</li> <li>Maybe keep enviro fee</li> <li>No new billing system needed; households pay directly for bags</li> </ul>	<ul> <li>Remove variable portion to assign to bag fee</li> <li>No billing system required</li> </ul>		
Currently Bill	<ul><li>Change to recurring fixed amount</li><li>Keep a small enviro fee or eliminate</li></ul>	<ul> <li>No household billing needed</li> <li>Keep small enviro fee or eliminate</li> </ul>	> Same as bag		
No bill but muni bill available	Move fees to combined billing, especially if water; change trash to last credited if partial payments received; can shut off water then.	<ul> <li>No household billing needed</li> <li>May choose to add base enviro fee; change to last credited if partial payment Sour</li> </ul>	Same as bag  ce: SERA 2020 Rights Reser		

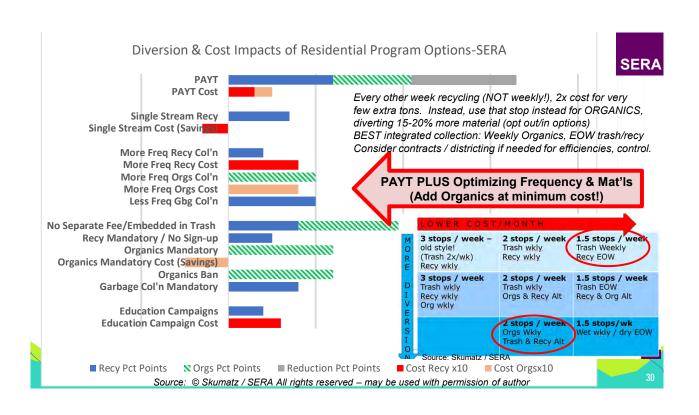
# DECISIONS AND ANALYTICAL STEPS - MINIMIZING REVENUE RISK

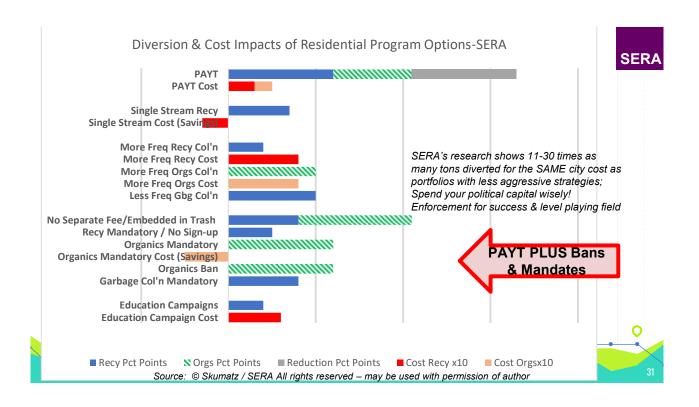
- > Require mandatory collection service (with enforcement)
- Conduct a set-out survey
  - and put in excel, reduce for diversion and stomping effects and see distribution
- > Look at set outs for other similar communities
- Use carts or include a base or environmental fee with bags or cans
- Phase out of current funding system

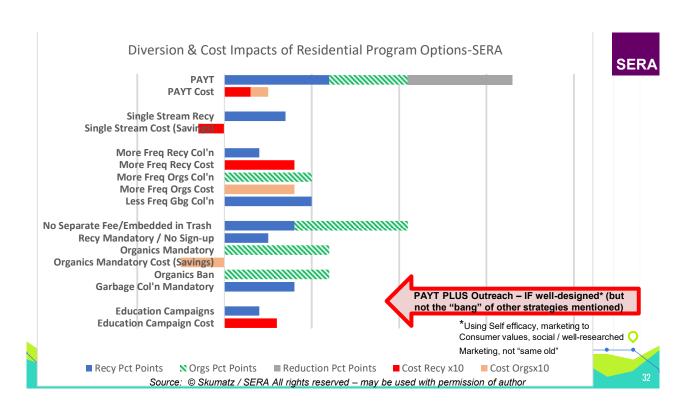
Source: Skumatz / SERA















### **SUMMARY** –



MOST COST-EFFECTIVE WAY TO INCREASE DIVERSION CONTROLS COSTS, FAIRER, REASONABLE IMPLEMENTATION APPROACHES FOR EACH SITUATION

- 20 minutes, so high level only!
- Not that complex; find your town's "situation" in the previous slides & follow steps.
- PAYT is <u>biggest bang</u> option for jumping toward state / regional goals
- Cheapest, most cost-effective option
- Makes existing programs more cost-effective

Source: Skumatz / SERA

- Perceived as fairer
- Fee-based; cost control
- Affordable <u>implement-tation</u> No new trucks / mainly billing change
- Math isn't hard revenue risk takes a little planning
- Successful across OH, Region, and US / trend
- Straightforward implementation in multiple situations in place in rural, urban; hauler, muni, contract.
- Negatives can be dealt with if political will to do so.
- Can be implemented in straightforward way in OH. Known steps for each situation.

SER/ THANKS! (Win-Win. You can totally do it) **Questions?** More info & resources and publications on www.Serainc.com and www.paytnow.org Lisa A. Skumatz, Ph.D. Or call us: we have models, decision Skumatz@serainc.com trees and other resources and can 360-261-3069 usually provide help at basic levels for FREE www.serainc.com for communities / governments.