

MEASURING TO REACH MEANINGFUL GOALS

Juri Freeman | RRS CAFR Webinar

RRS recycle.com

Are you ready to effect change?



AGENDA

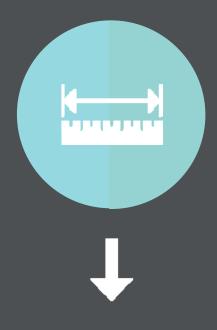




WHY MEASURE?



Tracking progress toward goals



Measuring year over year results



Comparing to others

WHY MEASURE? PUBLIC SECTOR VS PRIVATE SECTOR

Public





Private

- State requirements
- Attract business to state / region / city
- Budget setting and allocation

- Marketing and Sales
- Attract new talent
- Budget / P&Ls
- Government contract requirements / state mandates



HOW DO WE MEASURE?

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TONNAGE BASED



WASTE COMPOSITION BASED



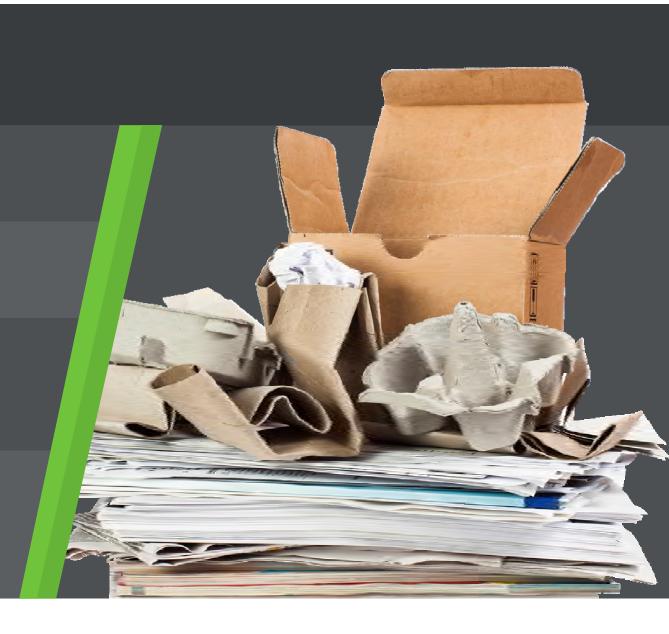
KEY CHALLENGES

What counts?

Data availability

Are we measuring the right things?

Measuring Source Reduction



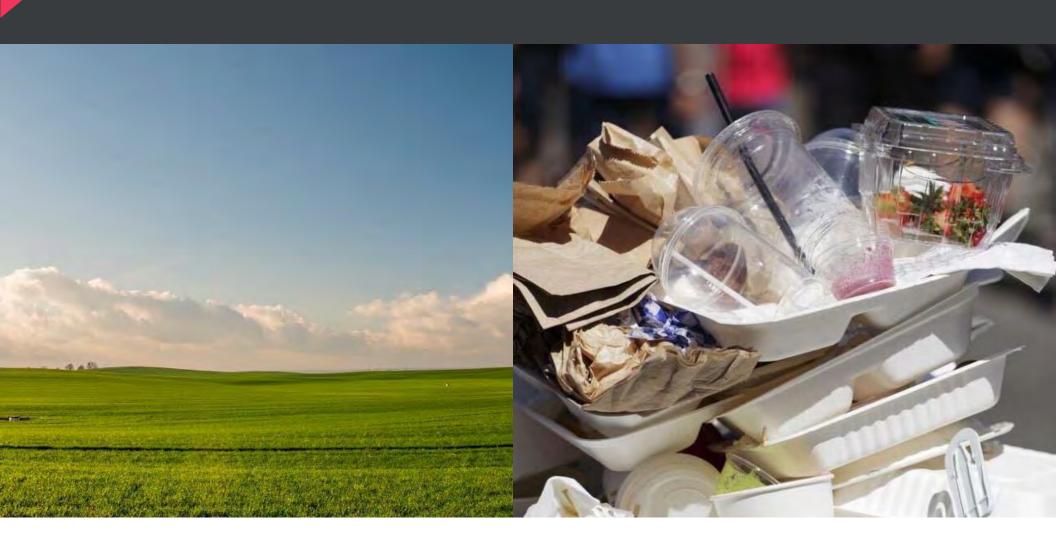
WHAT COUNTS - SETTING THE BOUNDARY



DATA AVAILABILITY



WHAT ARE WE REALLY TRYING TO ACHIEVE



SOURCE REDUCTION?





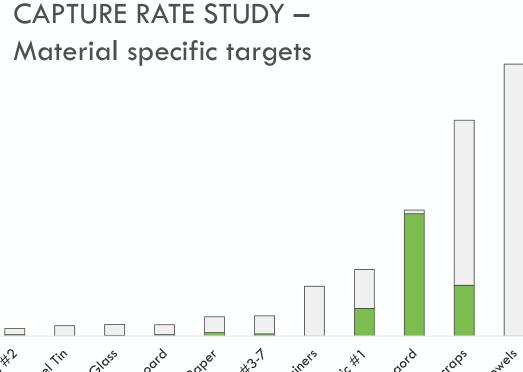
LEARNING FROM PRIVATE SECTOR



- Data on a material by material basis
- Tracking source reduction
 - materials and labor savings
- Promoting and marketing success!
- Verifying recovery versus collection (TrueCycle)
- Goals look beyond just the landfill bottom line, efficiency, and GHG

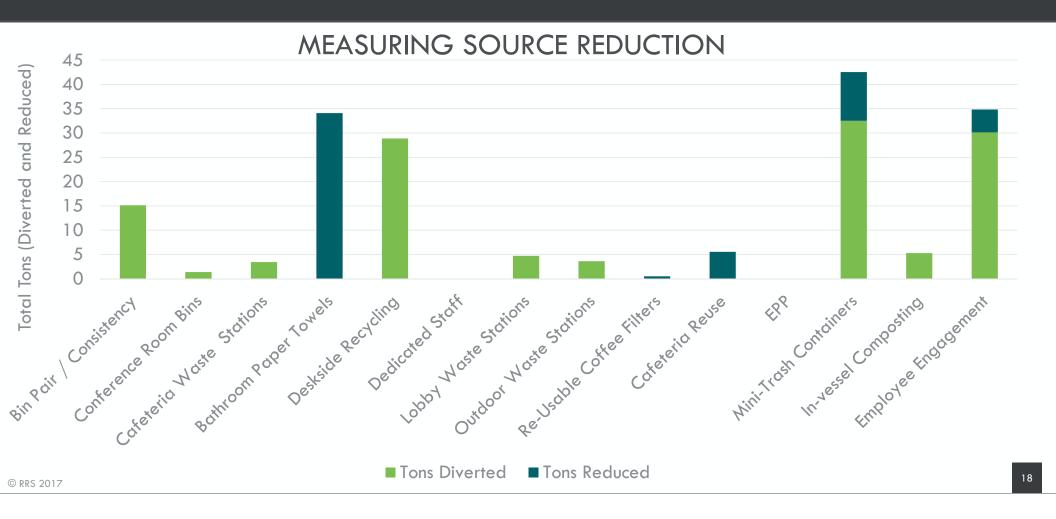


Material	Capture Rate
Steel Tin	<5%
Aluminum	29%
Office Paper	19%
Newspaper	<5%
Cardbaord	97%
Paperboard	13%
Mix Paper	99%
Cartons	<5%
Plastic #1	42%
Plastic #2	19%
Plastic #3-7	11%
Glass	<5%
Food Scraps	24%
Paper Towels	0%
ToGo Containers	0%



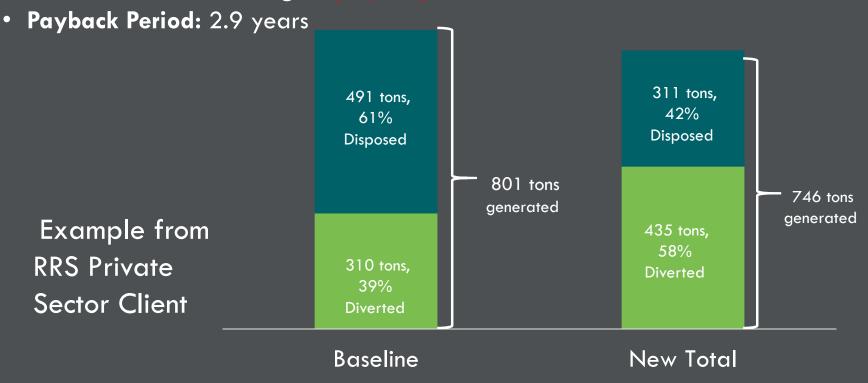
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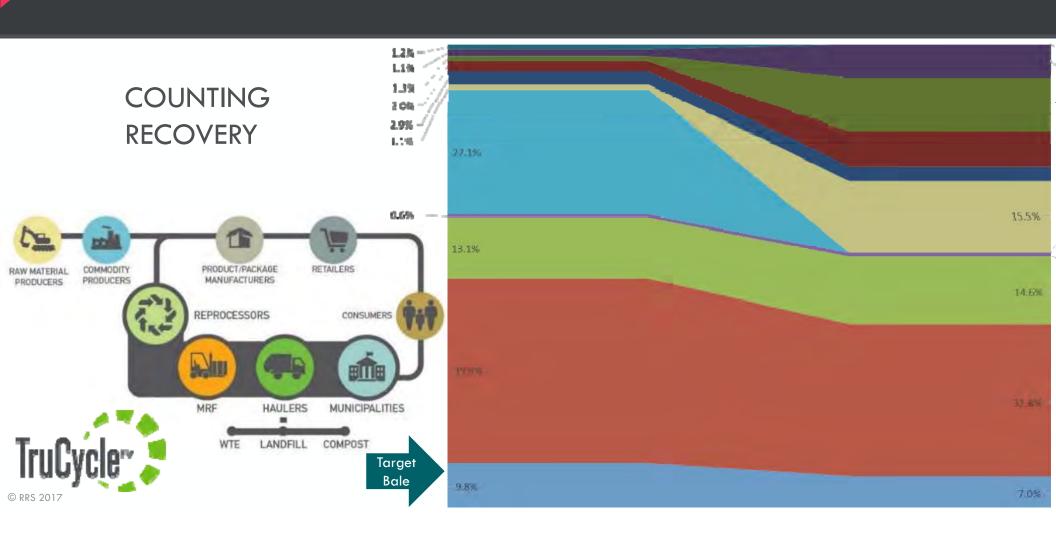
■Captured □ Available in MSW



• Total Investment: \$234,800 \$204K Capital start-up and on-going supplies, \$30.8K Staff start-up and on-going

Total Annual Net Savings: \$(81,700)*







RECOMMENDATIONS

RECOMMENDATIONS



Re-evaluate goals

- Consider contamination, recovery rate, job creation, commodities to new materials



Acknowledge that recycling, diversion, are tools

- they are not goals and communicate with public



Borrow from the private sector

- Source reduction, tracking, GHG, selling progress



More than one metric is needed

- 'Market' success and tie to economics

RETHINKING OUR GOALS



What we measure is driven by goals



Aim is more than just keeping materials out of landfill



Recycling is a tool to reduce GHG, create jobs, save \$



Weight will continue to be the base unit of measurement

EXAMPLE

METRIC

Recovery rate (50% diversion in 2018) (track annually) (public)

System defined (recovery v. collection)

A

Tie to economic development and closed loop economy (job creation)

METRIC

Per Capita generation (reduced from 3lbs / person to 2lbs) (annual)
(public)

B

• Tie to source reduction and upstream impacts – GHG redux

METRIC

• Recovery rate by material type (track 2-3 years) (internal)

C

Track material specific targets and progress



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