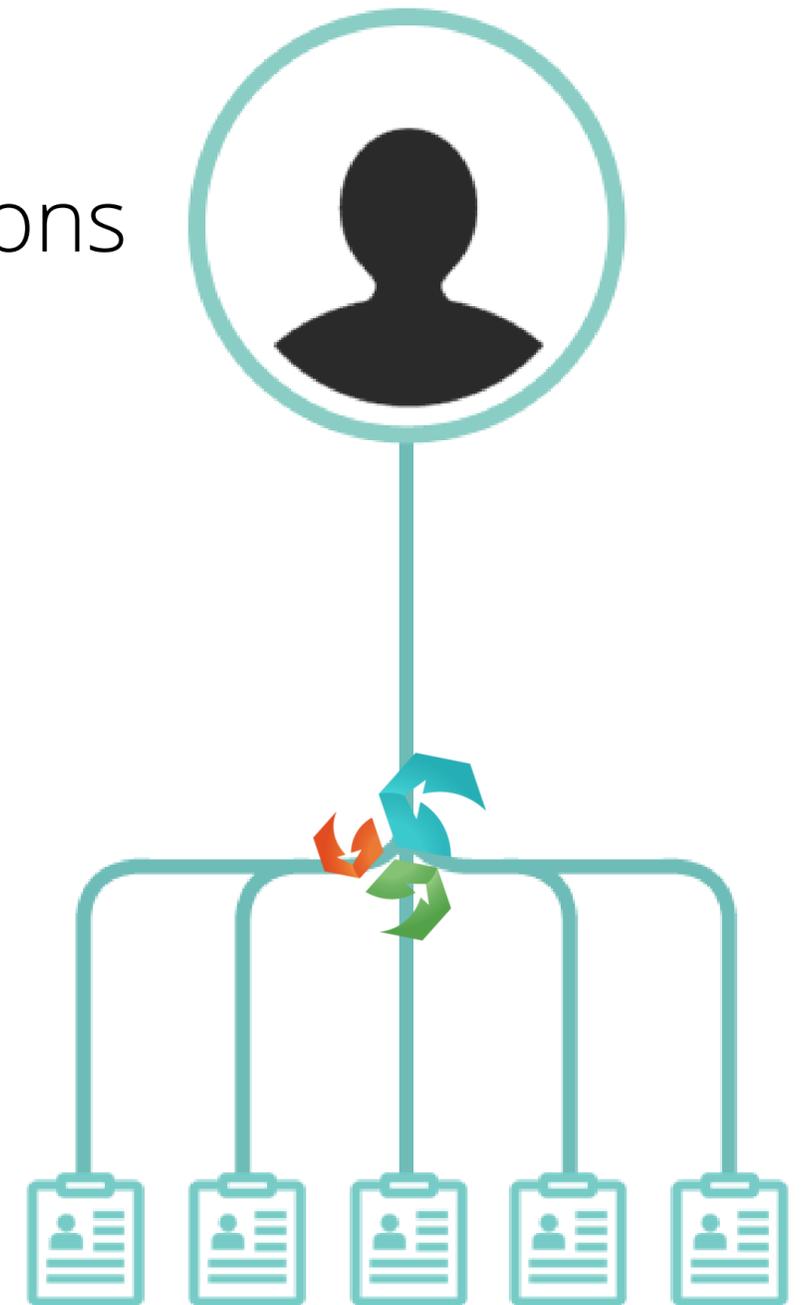


Efficient Data Management is Critical to Measuring Success

PRESENTER: Chris Ronson

What is Re-TRAC Connect?

Software that transforms the way organizations
manage and measure
recycling and other waste management
information.





23,000

*Waste Management
Professionals*

Standardize

Regional Hauler Reporting Portland Metro

- 1.5 million people
- 6 local governments
- 55 haulers





Program Manager

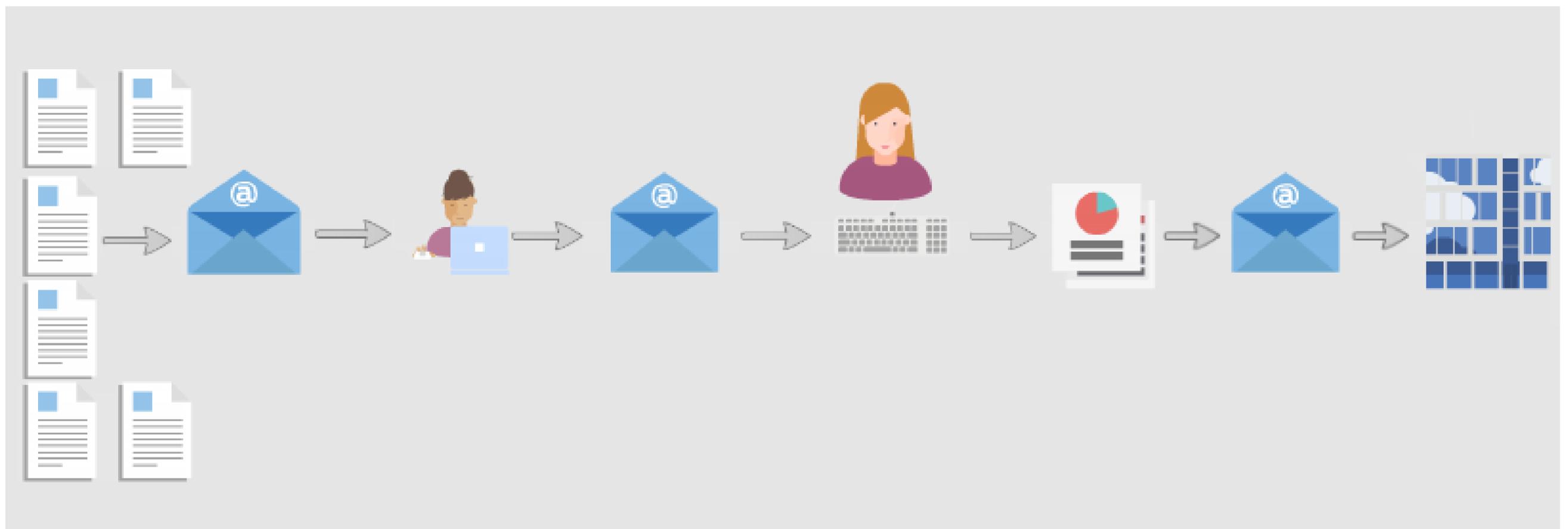
- Better quality data
- Detailed analytics





Program Manager

> Standardization



Material Tonnage

	MARKET *	MATERIAL *	TONS *	SOURCE *	
1	- Select -	Paper - Mixed or single grade	120.00	Commercial (Business)	Remove
2	- Select -	Paper - Mixed or single grade	150.00	Multifamily	Remove
3	- Select -	Commingled Materials	42.00	Construction & Demolition	Remove
4	- Select -	Commingled Materials	421.55	Multifamily	Remove
5	- Select -	Metal - Tinned steel cans	12.44	Commercial (Business)	Remove
6	- Select -	Motor oil	22.00	Commercial (Business)	Remove
7	- Select -	Paper - Mixed or single grade	37.00	Multifamily	Remove

Add

Total Tons

804.99

Comments





Program Manager

- > 100% participation
- > Instant analytics
- > Standardized data set

Source Tons by Material for Year 2015

Source	Commingled Materials	Paper - Mixed or single grade	Paper - Cardboard/Kraft (OCC)	Plastic - Film
Residential	11,467,044	1,111,111	1,111,111	1,111,111
Multifamily	1,111,111	1,111,111	1,111,111	1,111,111
Commercial (Business)	1,111,111	1,111,111	1,111,111	1,111,111
Construction & Demolition	1,111,111	1,111,111	1,111,111	1,111,111
Drop-Off Depots, Collection Events	1,111,111	1,111,111	1,111,111	1,111,111
Amount Received from Other Companies	1,111,111	1,111,111	1,111,111	1,111,111
<i>Total</i>	16,028,600	6,566,666	6,566,666	6,566,666

Systematize

Universal Recycling Ordinance

Austin Resource Recovery

- Zero waste by 2040
- Multi-family & commercial buildings
- Annual diversion plans





Program Manager

- 10,000+ properties
- Communication management
- Data security







Program Manager

- Easy on-site audits
- Integrated messaging system
- User permissions



Benchmark

Company-wide Waste Diversion Tracking

London Drugs

- 78 stores across 4 provinces
- Divert 95% by 2015





Program Manager

- Aging system
- Knowledge transfer challenges
- Inaccessible information



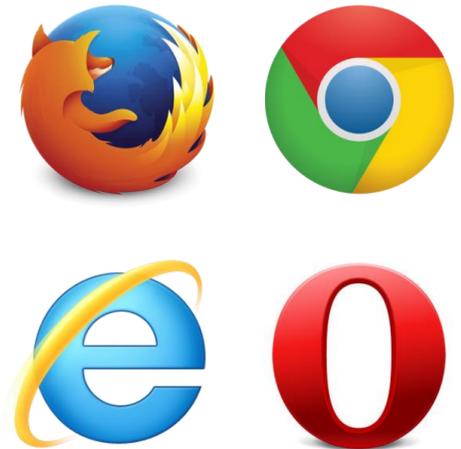
MATERIAL	AMOUNT	UNITS	TONS	ACTIVITY/PROCESS
Commingled - Recycling				
Commingled - All Residential Recyclables	54.200	Tons	54.200	Recycled
Glass				
Mixed Glass	11.240	Tons	11.240	Recycled
Metals				
Aluminum	4.960	Tons	4.960	Recycled
Iron		Tons		Unspecified
Steel	2.100	Tons	2.100	Recycled
Tin	6.800	Tons	6.800	Recycled
Paper				
Books	10.220	Tons	10.220	Reused
Cardboard		Tons		Unspecified
Cartons ?		Tons		Unspecified
Magazines		Tons		Unspecified
Mixed Paper		Tons		Unspecified
Plastic - Mixed Resin Rigid				
All Rigid Plastic: No Bulky ?	15.333	Tons	15.333	Recycled
All Rigid Plastic: with Bulky ?		Tons		Unspecified
Commingled Plastic Bottles ?		Tons		Unspecified
Plastic - Resin Segregated Rigid				
HDPE Bottles & Containers		Tons		Unspecified

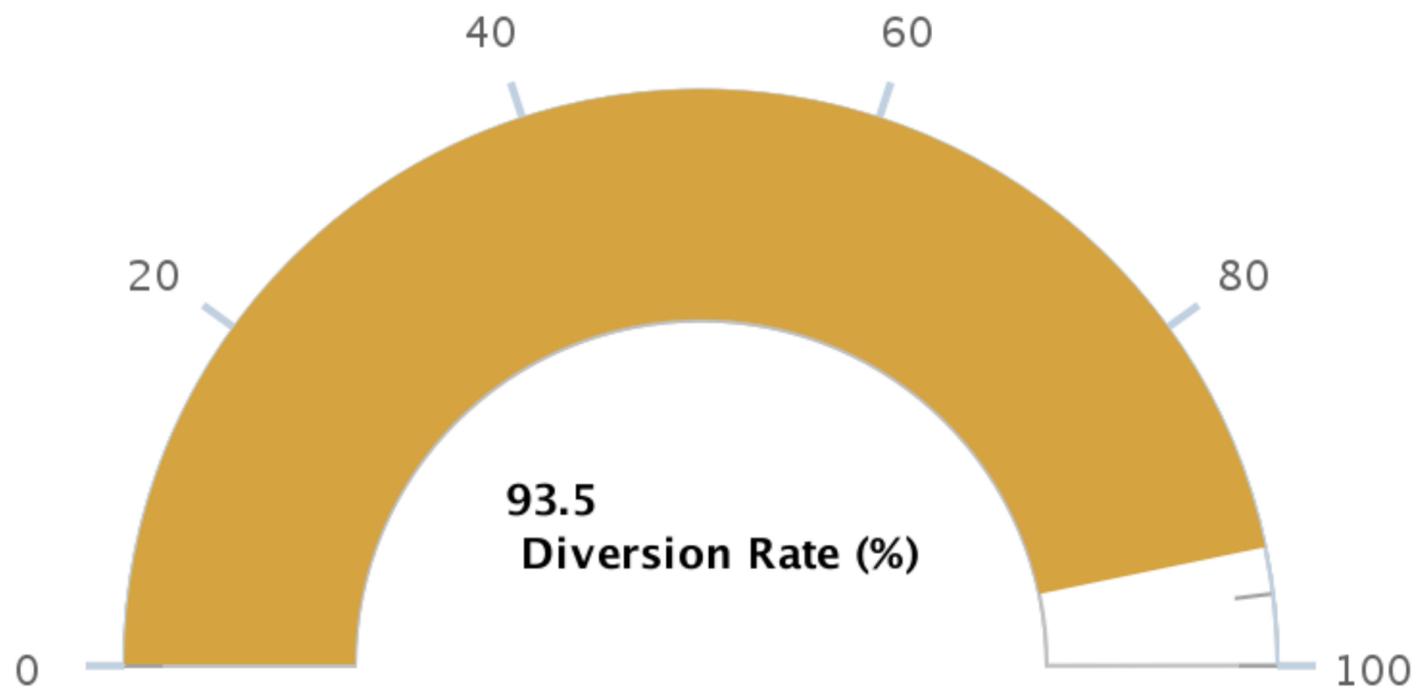




Program Manager

- Web-based access
- Dedicated Solutions Manager
- Stores use benchmarks to set goals
- Internal competition





1. Standardize

- Increase participation
- Speed up data analysis

2. Systematize

- Scalable & transparent
- Improved data quality

3. Benchmark

- Uncover new opportunities
- Internal competition



What's New in Tennessee?

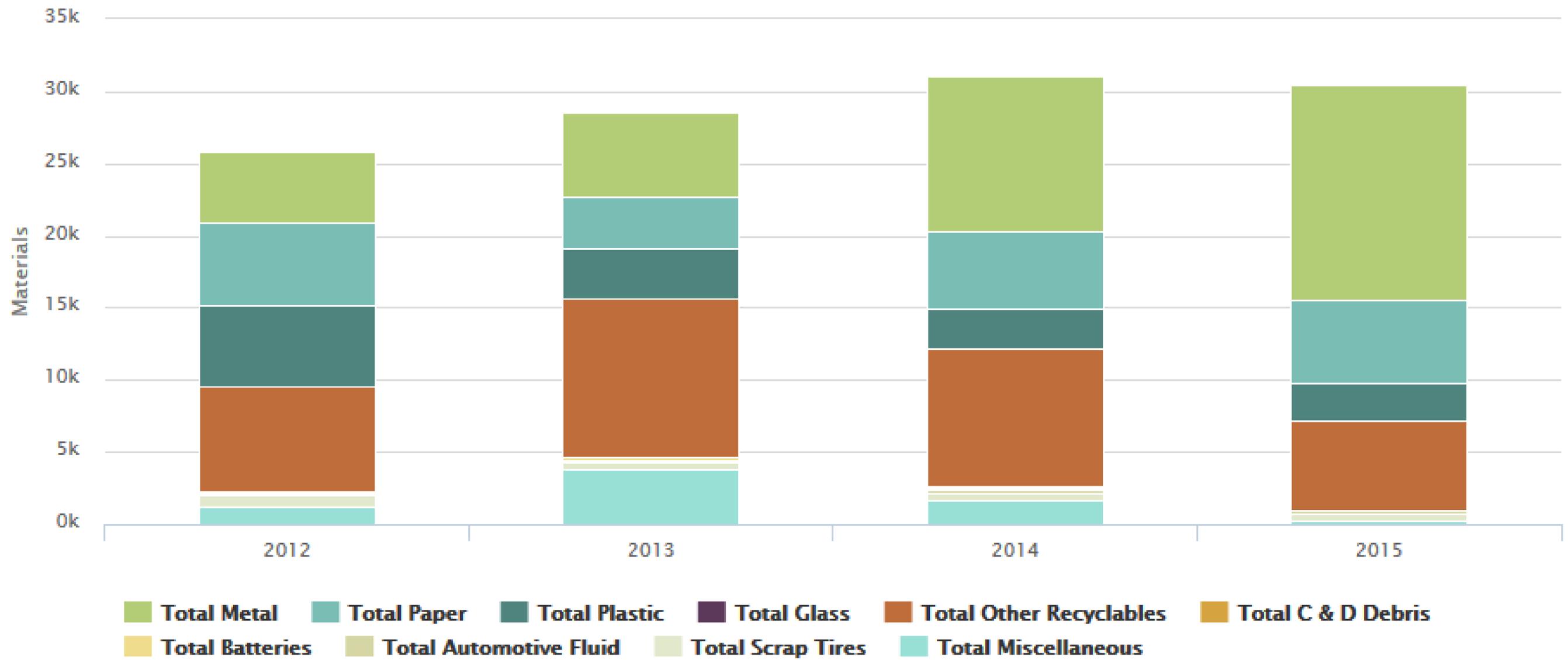
Tennessee Annual Progress Report

TDEC

- Updated user interface
- Aligned with 2025 Plan
- New analytical reports for counties



Recycling Trends (Tons)



Save Report Piece

Export as: CSV XLS

Recycling Trends (Tons)

Save Report Piece

Export as: CSV XLS

Recycling Trends (Tons)

2012, 2013, 2014, 2015

Search:

Batt

Materials	2012	2013	2014	2015
Total Batteries	108.00	164.30	175.20	52.63
Total	25,772.00	28,502.80	31,039.30	30,449.99

Showing 1 to 1 of 1 entries (filtered from 10 total entries)

Total Automobile Fluid	141.00	187.50	193.20	204.27
Total Scrap Tires	809.00	483.40	546.00	494.50
Total Miscellaneous	1,209.00	3,773.90	1,635.10	246.20
Total	25,772.00	28,502.80	31,039.30	30,449.99

Showing 1 to 10 of 10 entries

> Detailed material #s

> Sector filter

> PDF export

APR Material Trends (Tons)

2012, 2013, 2014, 2015

Material	2012	2013	2014	2015
Objective 1: Recycling Report: Metal				
Steel	319,131.00	604,558.50	1,003,314.90	498,236.19
Tin	13,187.00	23,896.50	24,334.10	14,267.00
Iron	93,140.00	40,114.40	46,577.70	89,597.15
Copper	1,884.00	5,217.70	4,860.10	17,309.62
Aluminum Beverage Containers	2,122.00	3,317.20	4,278.50	8,547.92
All other Aluminum	29,214.00	38,616.30	52,637.50	158,564.41
Bronze and Brass	1,390.00	2,067.50	1,781.80	46,569.31
Mixed Metals	366,023.00	390,630.30	182,269.10	5,688,405.23
Auto Body Scrap	168,494.00	206,885.30	158,386.80	412,587.25
Oil Filters	278.00	539.20	455.00	729.73
Objective 1: Recycling Report: Metal Total	994,863.00	1,315,842.90	1,478,895.50	6,934,813.81
Objective 1: Recycling Report: Fiber				
Sorted Office Paper (SOP)	20,499.00	9,391.70	8,503.00	26,569.41

Comprehensive Reporting Capability

- Facility reporting
- Annual local government reporting
- Grant applications
- Waste management plans
- Stewardship programs
- Award applications
- Competitions
- Education and awareness programs
- Affiliate reporting

Reporting Entities

- Facilities (landfills, MRFs, composters, tire sites, etc.)
- Local governments (towns, cities, counties, SWDs)
- Waste service providers
- End markets
- Collection events
- Businesses
- Multi-Unit Dwellings
- Schools & universities
- Manufacturers

Free Accounts

- Single-window reporting
- Tonnage tracking tools
- Publish information and share with the public

THANK YOU

Re-TRAC.com

Chris Ronson

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