



Single Stream Recycling

...One Size Doesn't Fit All



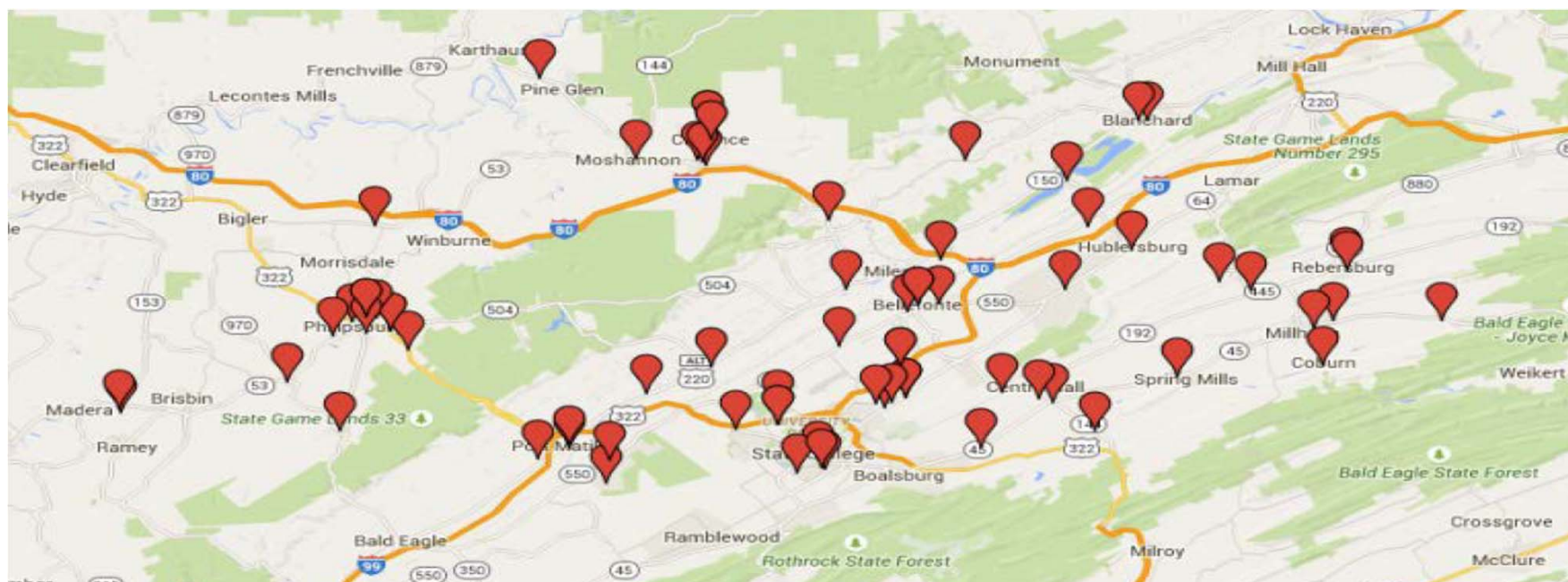
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Centre County Snapshot

- Population 160,000; 1,111 Square Miles
- 125 Drop-Off Locations; 800+ Commercial Businesses
- 25,000+ Curbside Stops; Process 15,000 Tons/Year



- Single-Stream Recycling & Cost of Service Study 2016
- Florida-based Specialized Solid Waste Consulting Firm
- Recommendations – “Single Stream: One Size Doesn’t Fit All”



Processing Costs Influence Collection Rates.

- Convert existing processing facility to handle single stream collection.
- Transfer single stream recyclables to an existing single stream facility.
- Compare the above with weekly and every other week collection.

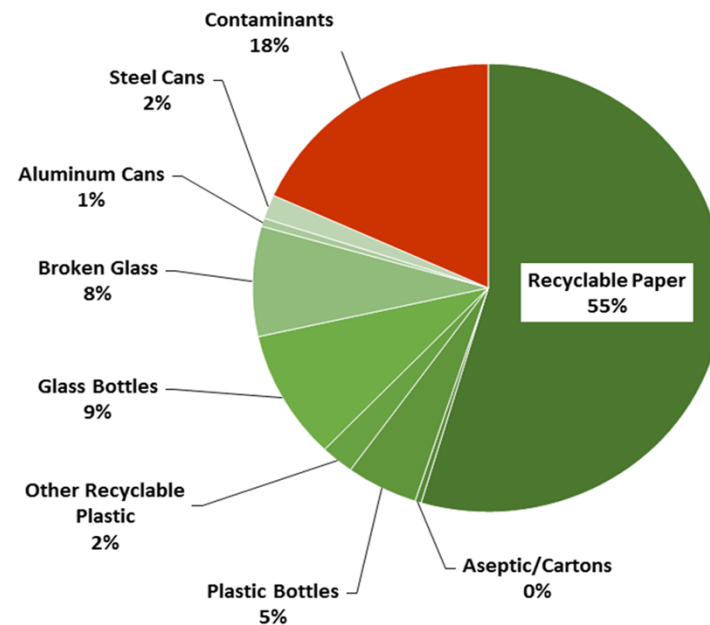
Selected Rate Impacts of Alternatives

Customer/Service	Current Rate	Alt. 1	Alt.2	Alt. 3	Alt. 4
		Weekly/ Retrofit	EOW/ Retrofit	Weekly/ Transfer	EOW/Transfer
Curbside COG	\$3.62/mo	\$4.44/mo	\$3.35/mo	\$5.85/mo	\$4.76/mo
Curbside Borough	\$2.55/mo	\$3.66/mo	\$2.89/mo	\$5.03/mo	\$4.26/mo
Curbside Other	\$3.25/mo	\$4.18/mo	\$3.20/mo	\$5.58/mo	\$4.61/mo
Processing	[1]	\$90/ton	\$90/ton	\$154/ton	\$154/ton

With conversion, the only alternative with a financial savings is every other week collection.

Contamination Considerations

- Former Collection Focus > Eventual Market Effect > Processing Focus
- SS > 15-30% Contamination = landfilling 2-3 stops out of every 10
- MSW recent findings:
 - ✓ CT SS MRFs – 18%
 - ✓ FL SS MRF – 30%
 - ✓ Mid-Atlantic MRFs – 20%



Why NOT Single Stream Collection?

- Studies show that expanding to single stream collection could result in 400-450 lbs per household.
- Most Centre County municipalities are already over 490lbs/hh/yr.
- Anticipated drop in marketable recyclables due to increased contamination.
- Fleet conversion costs.
- Possible reduction in material types and tonnages (glass).
- Current contamination rates of nearly 0% expected to increase to 20%.
- Anticipated capital costs and potential contamination outweigh benefits.

Thank you for recycling but...

To improve the efficiency of our operations and for the safety of our employees, your recycling was not picked up for the following reason(s):

- All paper products must be bagged (in paper or plastic bags) or bundled together.
- Recyclable items (other than paper) should remain loose in the bin.
- Do not place paper products in corrugated cardboard boxes.
- Corrugated cardboard boxes **must** be flattened.
- All items should be rinsed.
- Only plastic **bottles, jugs & jars** are acceptable.
- Remove trash from bin.
- No Styrofoam™.
- Item(s) **not** recyclable.
- (Other) _____

Questions?
Call CCRRA at 814-238-7005

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[Single Stream Study](#)

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