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

<table>
<thead>
<tr>
<th>Customer/Service</th>
<th>Current Rate</th>
<th>Weekly/Retrofit</th>
<th>EOW/Retrofit</th>
<th>Weekly/Transfer</th>
<th>EOW/Transfer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curbside COG</td>
<td>$3.62/mo</td>
<td>$4.44/mo</td>
<td>$3.35/mo</td>
<td>$5.85/mo</td>
<td>$4.76/mo</td>
</tr>
<tr>
<td>Curbside Borough</td>
<td>$2.55/mo</td>
<td>$3.66/mo</td>
<td>$2.89/mo</td>
<td>$5.03/mo</td>
<td>$4.26/mo</td>
</tr>
<tr>
<td>Curbside Other</td>
<td>$3.25/mo</td>
<td>$4.18/mo</td>
<td>$3.20/mo</td>
<td>$5.58/mo</td>
<td>$4.61/mo</td>
</tr>
<tr>
<td>Processing</td>
<td>[1]</td>
<td>$90/ton</td>
<td>$90/ton</td>
<td>$154/ton</td>
<td>$154/ton</td>
</tr>
</tbody>
</table>

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) ____________________

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**Questions?**  
**Call CCRRA at 814-238-7005**
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Follow the links below for more information...

Single Stream Study

Waste Dive Article