

Boulder County Recycling Center

Quarterly Report – September 2017

- Inbound Material Trend (2012-2017)
- Outbound Trend (2012-2017)
- Outbound Material Revenue Trend (2012-2017)
- Market Conditions
- Gate Fees
- Key Operating Performance Indicators
- Update On Optics Retro-fit



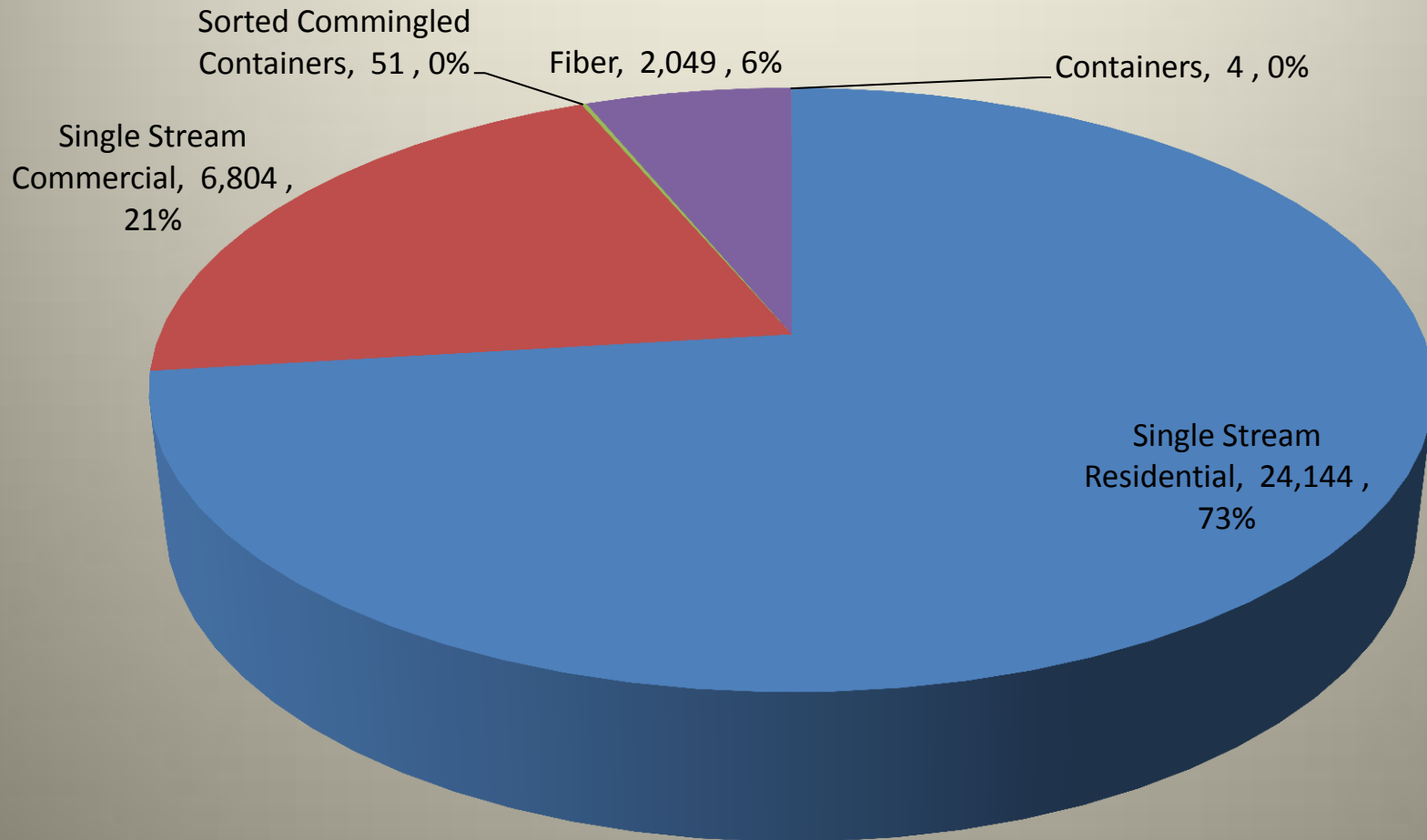
Resource Conservation

Inbound Materials by Year

STREAM	Tons/year						Average %
Mixed Materials	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u> (Jan-Aug)	
Single Stream Residential	38,090	40,502	38,684	45,370	43,881	24,144	73.0%
Single Stream Commercial	5,843	4,985	5,361	5,094	5,990	6,804	20.6%
Commingled Containers	1,055	243	76	81	101	51	0.15%
Source Separated Materials							
Fiber	4,194	2,693	1,978	2,266	2,592	2,049	6.2%
Containers	190	99	18	9	8	4	0.1%
Total	49,370	48,521	46,118	52,821	52,572	33,052	100.0%

Inbound Materials 2017 YTD

January-August

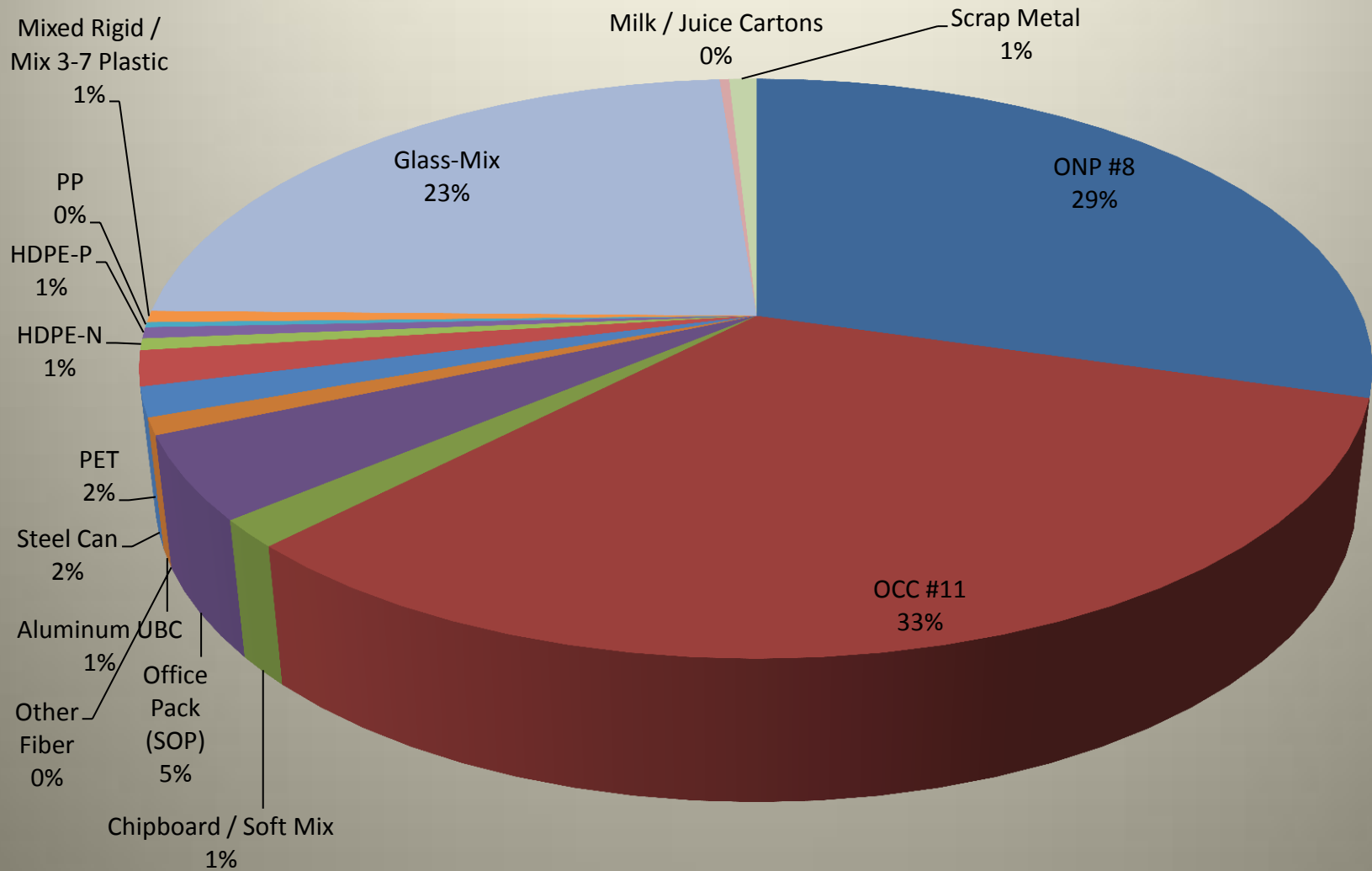


Outbound Materials by Commodity by Year

Commodity	Tons/year					
	2012	2013	2014	2015	2016	2017 (Jan-Aug)
<u>Fiber Commodities</u>						
ONP #8	17,419	15,815	14,449	17,496	15,969	8,836
OCC #11	11,601	11,413	11,555	14,342	14,749	9,829
Chipboard / Soft Mix	1,012	1,060	488	607	625	466
Office Pack (SOP)	1,880	1,242	1,192	1,051	1,390	1,393
Other Fiber	50	371	555	540	566	0
<u>Container Commodities</u>						
Aluminum UBC	445	450	471	489	506	284
Steel Can	900	897	854	1,009	851	493
PET	880	1,080	1,200	1,267	1,220	590
HDPE-N	352	359	353	396	391	194
HDPE-P	305	326	301	347	320	186
PP	0	65	264	285	190	85
Mixed Rigid / Mix 3-7 Plastic	782	106	330	187	447	194
Glass-Mix	7,156	7,739	7,174	7,740	8,583	7,058
Milk / Juice Cartons	650	171	153	154	133	90
<u>Scrap Metal</u>	193	158	193	301	423	255
Total	43,625	41,252	39,532	46,211	46,363	29,953

Outbound Materials 2017 YTD

January-August

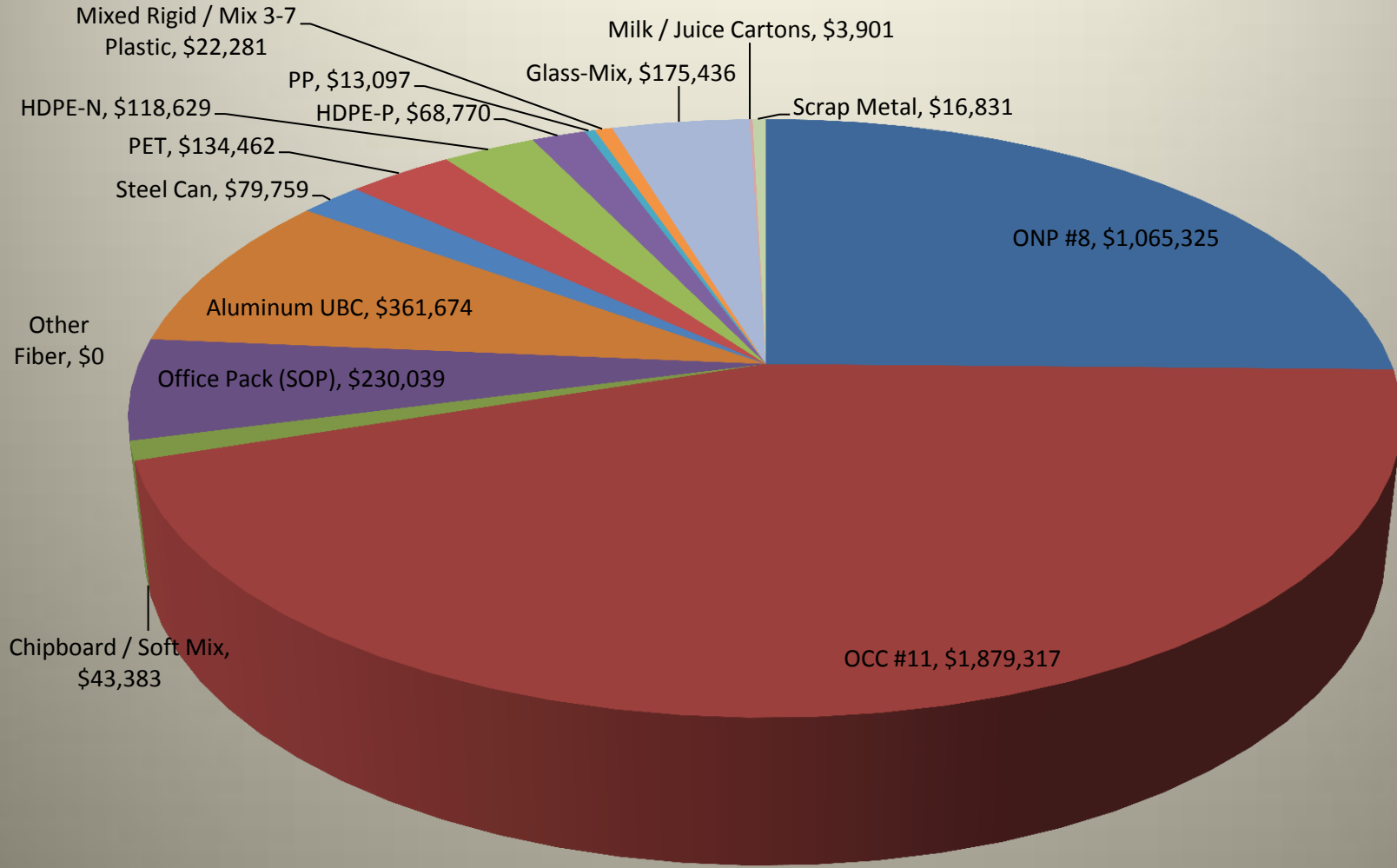


Outbound Materials Revenue by Commodity by Year

Commodity	Tons/year					
	2012	2013	2014	2015	2016	2017 (Jan-Aug)
<u>Fiber Commodities</u>						
ONP #8	1,511,670	1,382,243	1,286,605	1,242,388	1,480,546	1,065,325
OCC #11	1,278,085	1,318,596	1,219,116	1,402,561	1,655,772	1,879,317
Chipboard / Soft Mix	61,973	63,852	25,864	26,875	38,470	43,383
Office Pack (SOP)	314,034	185,928	189,079	165,572	205,142	230,039
Other Fiber	12,173	28,245	28,893	24,919	34,895	0
<u>Container Commodities</u>						
Aluminum UBC	681,475	655,453	761,237	608,844	608,994	361,674
Steel Can	208,593	195,959	190,656	81,383	82,406	79,759
PET	418,471	409,535	384,675	258,125	190,719	134,462
HDPE-N	224,794	252,970	334,371	245,270	240,673	118,629
HDPE-P	157,270	146,902	185,635	166,103	128,918	68,770
PP	0	16,996	77,901	86,317	48,180	13,097
Mixed Rigid / Mix 3-7 Plastic	57,778	10,646	62,001	58,232	41,490	22,281
Glass-Mix	192,786	209,256	186,744	213,953	242,523	175,436
Milk / Juice Cartons	31,118	9,275	12,513	16,047	11,011	5,434
<u>Scrap Metal</u>	34,545	29,828	38,333	25,838	32,331	26,886
Total	5,184,765	4,915,684	4,983,623	4,622,427	5,042,071	4,224,492

Outbound Materials Revenue 2017 YTD

January-August



Market Forecast

PLASTIC

- With oil prices still trending down, manufacturing many plastic resins from pre-consumer materials continues to be more attractive than using post-consumer feed stock.
- HDPE has rebounded from last three-month downward trend.
- PET and Poly Pro resins are showing signs of strain caused by China movement constraints. Both resin types showed value declines of greater than \$20.00/ton.
- Mixed Plastic should continue to move but pricing will continue its decline. We lost \$20.00PT last month and will likely see further declines going forward.

Market Forecast

METALS

- Aluminum – Should stay stable for next three months
- Steel – Has been stable and should stay in current price range for the next quarter

FIBER – OCC and ONP/MP

- OCC will continue its decline with Oct pricing expected to drop \$20.00 - \$40.00 /ton. Movement will become an issue in Nov if the plant were to rely on export markets. We should be okay given our quality and relationships with domestic converters.
- ONP will be unstable as domestic consumers are resetting inventory and China continues to constrain flow of Mixed Paper (MP). Prices declined \$10.00/ton in September and are expected to do same for Oct.
- MP has been the big loser as supply still is greater than demand. China has increased auditing resources at receiving ports.

Gate Fees

Recycling Rebates (Gate Fees) are posted on the first day of each month at:
<http://www.bouldercounty.org/env/recycle/pages/recyclingrebates.aspx>.

Single-Stream Residential (SSR) Although fiber markets are very uncertain and fluid due to china import policy on mixed paper, we are able to hold our SSR rate at **\$0.00 PT**. This mainly due to our short term ability to limit mixed fiber production related to this stream.

Single-Stream Commercial (SSC) We must reduce our rebate to reflect that mixed paper is a fraction of this stream and the impacts of China's sword. Our SSC rate will be reduced by \$5.00 PT to **\$2.50 PT** this month, with further reductions expected if China does not re-engage in the mixed paper market.

Key Performance Indicators

- Zero Safety Recordable Incidents
- Tons Per Run Hour – 23
- Tons Per Paid Hour – 21
- Uptime – 97%
- Residue – 9.8%

MRF Improvement Retro-Fit



Ribbon Cutting October 11th 12noon – 1:30pm with tour
Performance testing week of October 15th

Contact

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Resource Conservation