

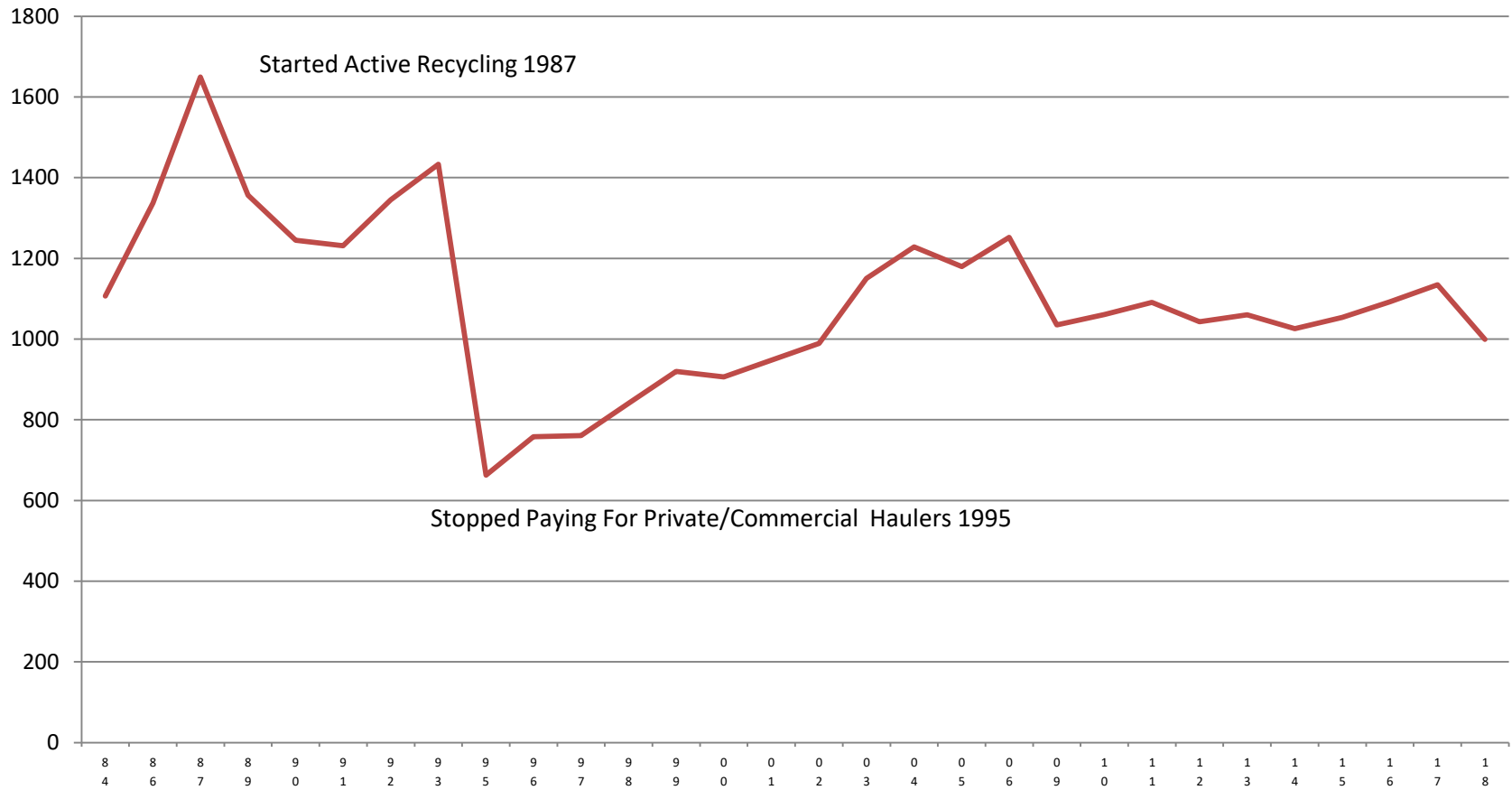
Lee Recycling Center and Tr St. Waste Analysis -1987-2018

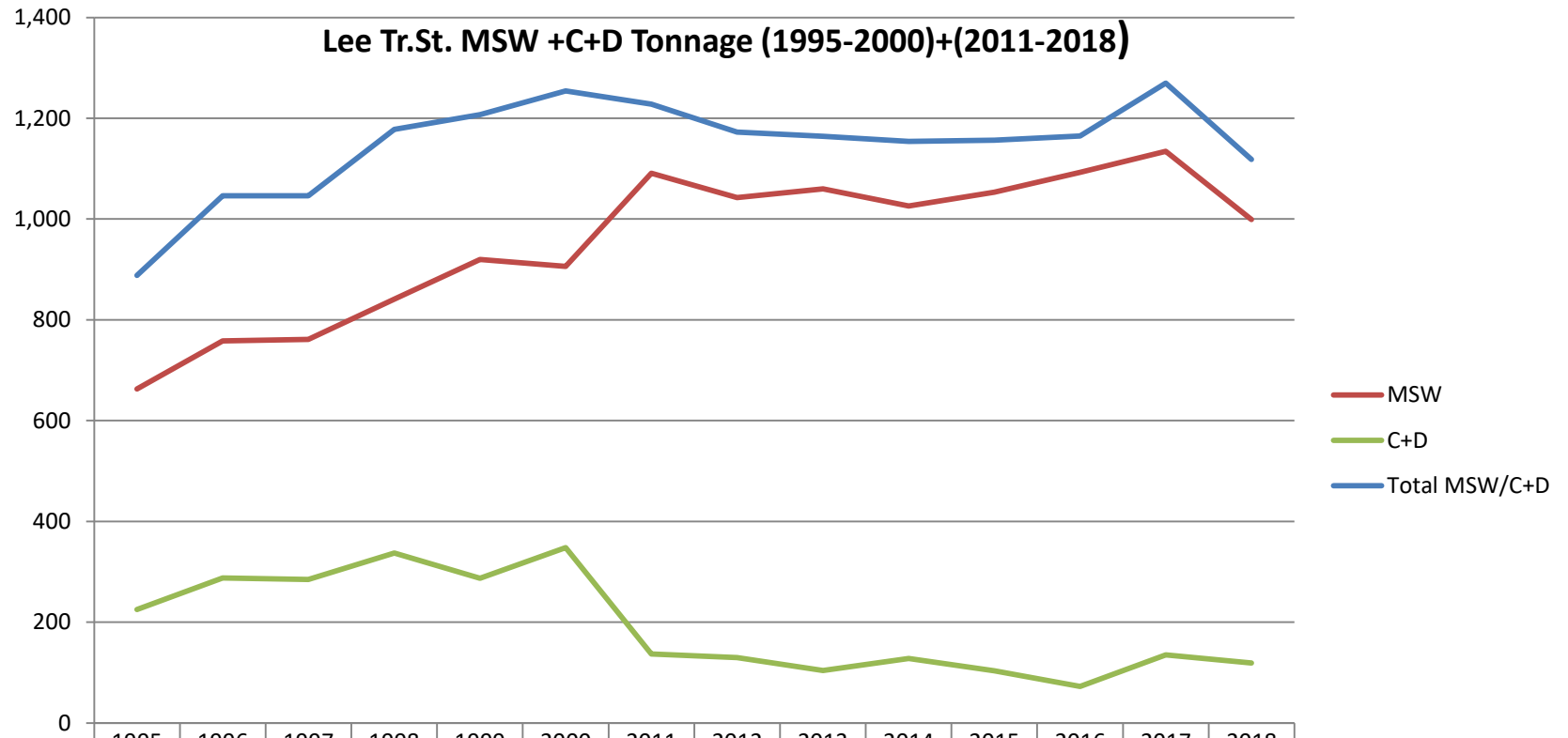
Presented to Solid Waste Committee
3/18/2019 **Draft**

Sources of Information

- 1987-2017 Town Reports
- Spreadsheets done by Randy S 1990's
- SWC minutes
- Lamprey spreadsheet 2009-2018
- NRRA detail summary reports 2011-2018
- Files at Tr St.
- Transfer Station Manager (Toby V.A.)

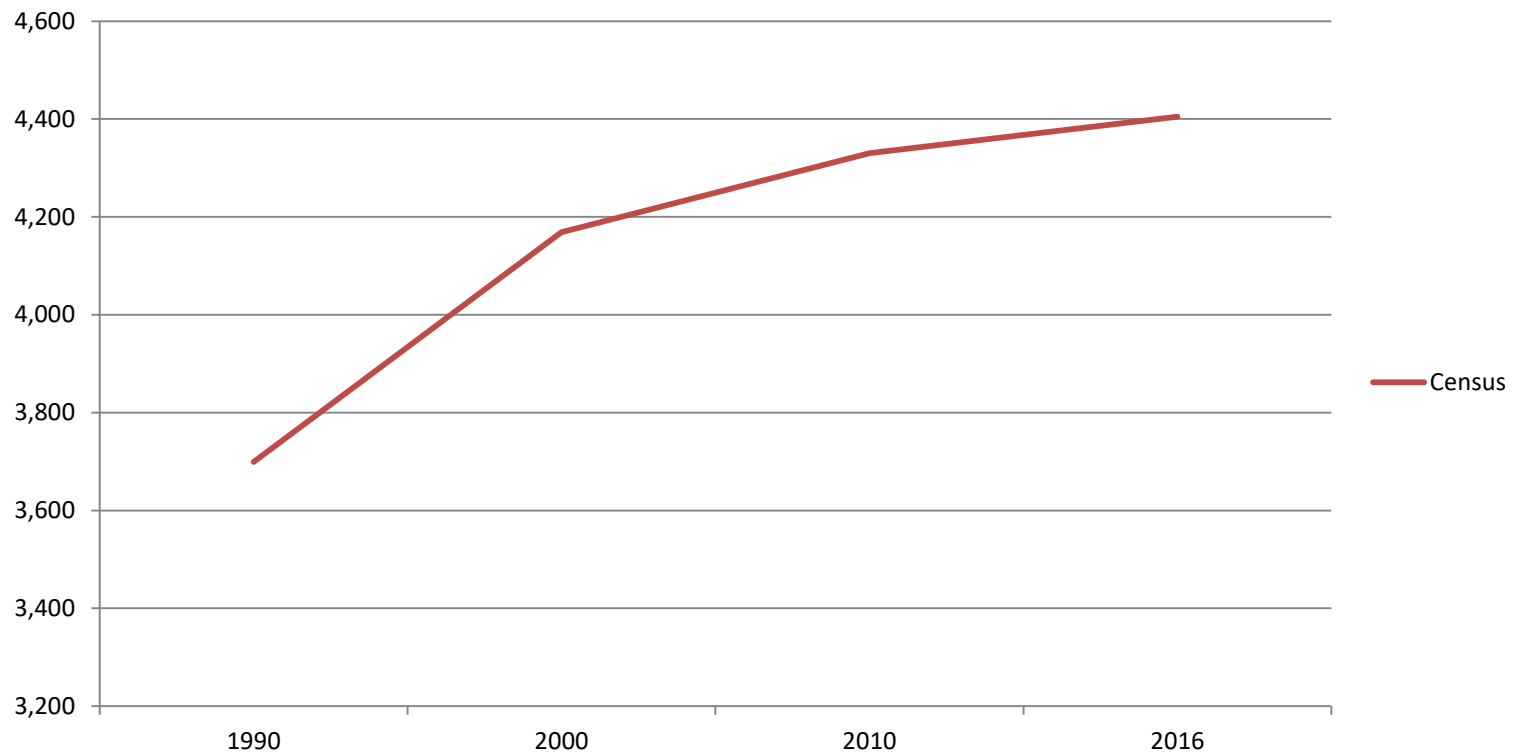
Lee Tr St MSW (Lamprey) Tonnage 1984-2018



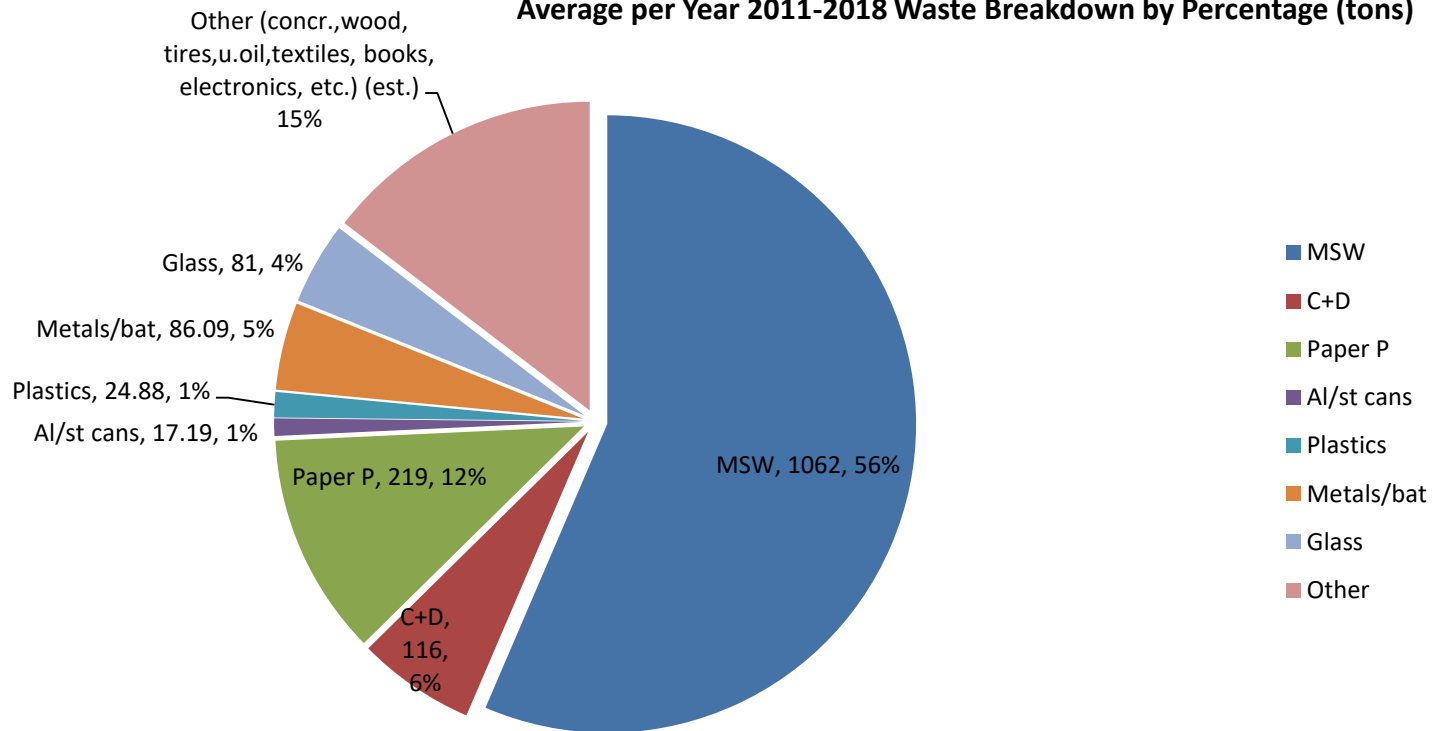


	1995	1996	1997	1998	1999	2000	2011	2012	2013	2014	2015	2016	2017	2018
MSW	663	758	761	841	920	906	1,091	1,043	1,060	1,026	1,053	1,092	1,134	999
C+D	225	288	285	337	287	348	137	130	104	128	103	73	135	119
Total MSW/C+D	888	1,046	1,046	1,178	1,207	1,254	1,228	1,173	1,164	1,154	1,157	1,165	1,270	1,118

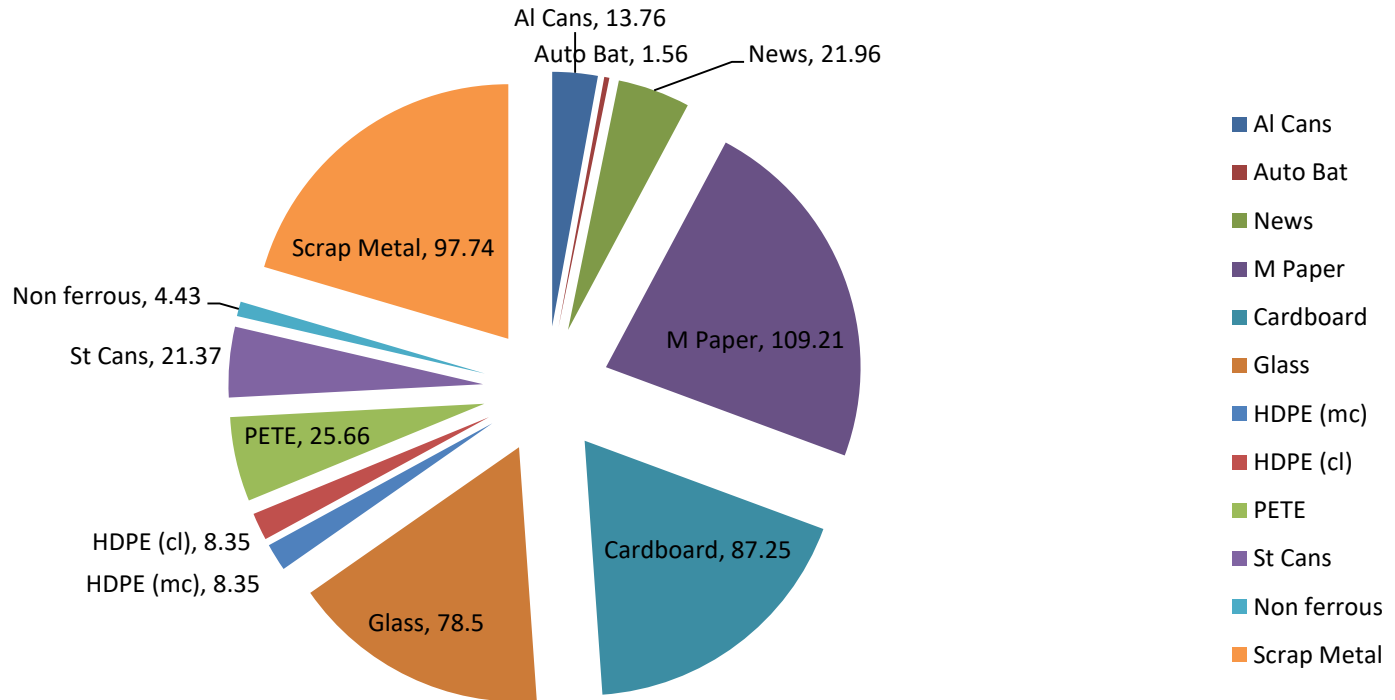
Census



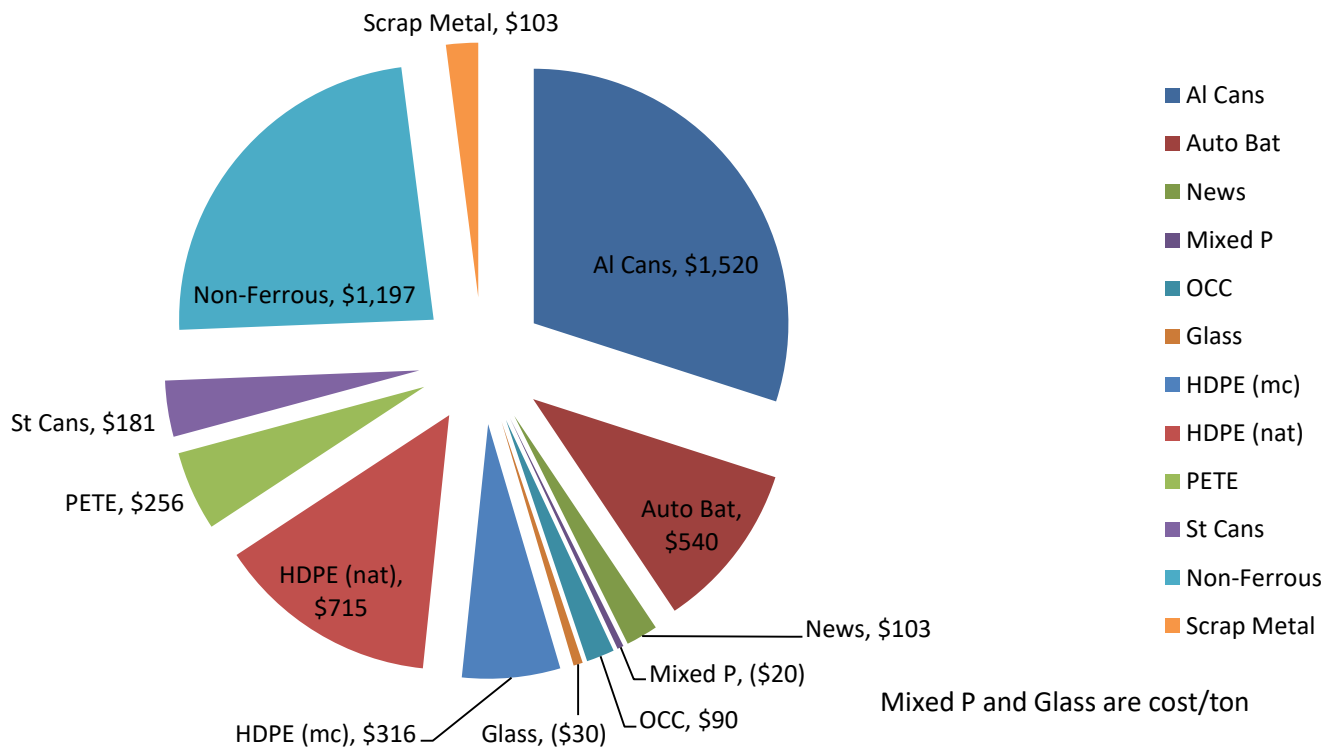
Average per Year 2011-2018 Waste Breakdown by Percentage (tons)



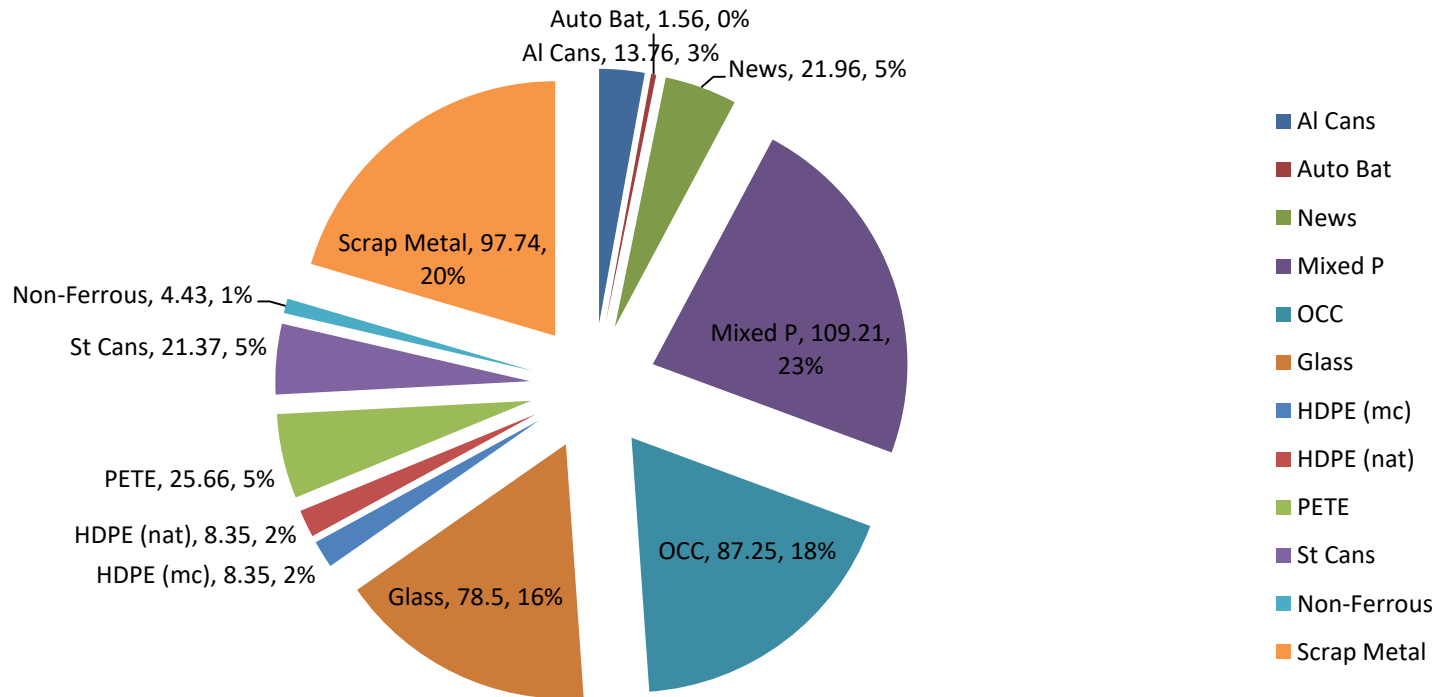
Lee Tr St 2018 Tons of Primary Recyclables Marketed



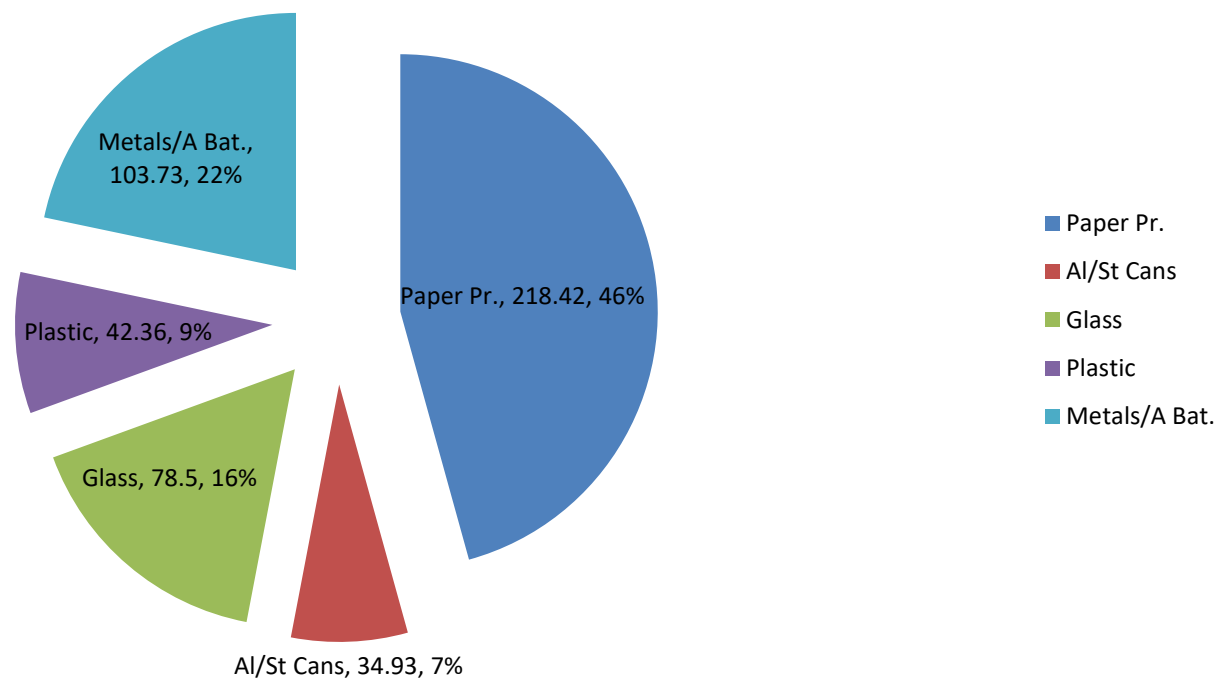
Lee T.r St. Price Per Ton Received for 2018 Recyclables Marketed

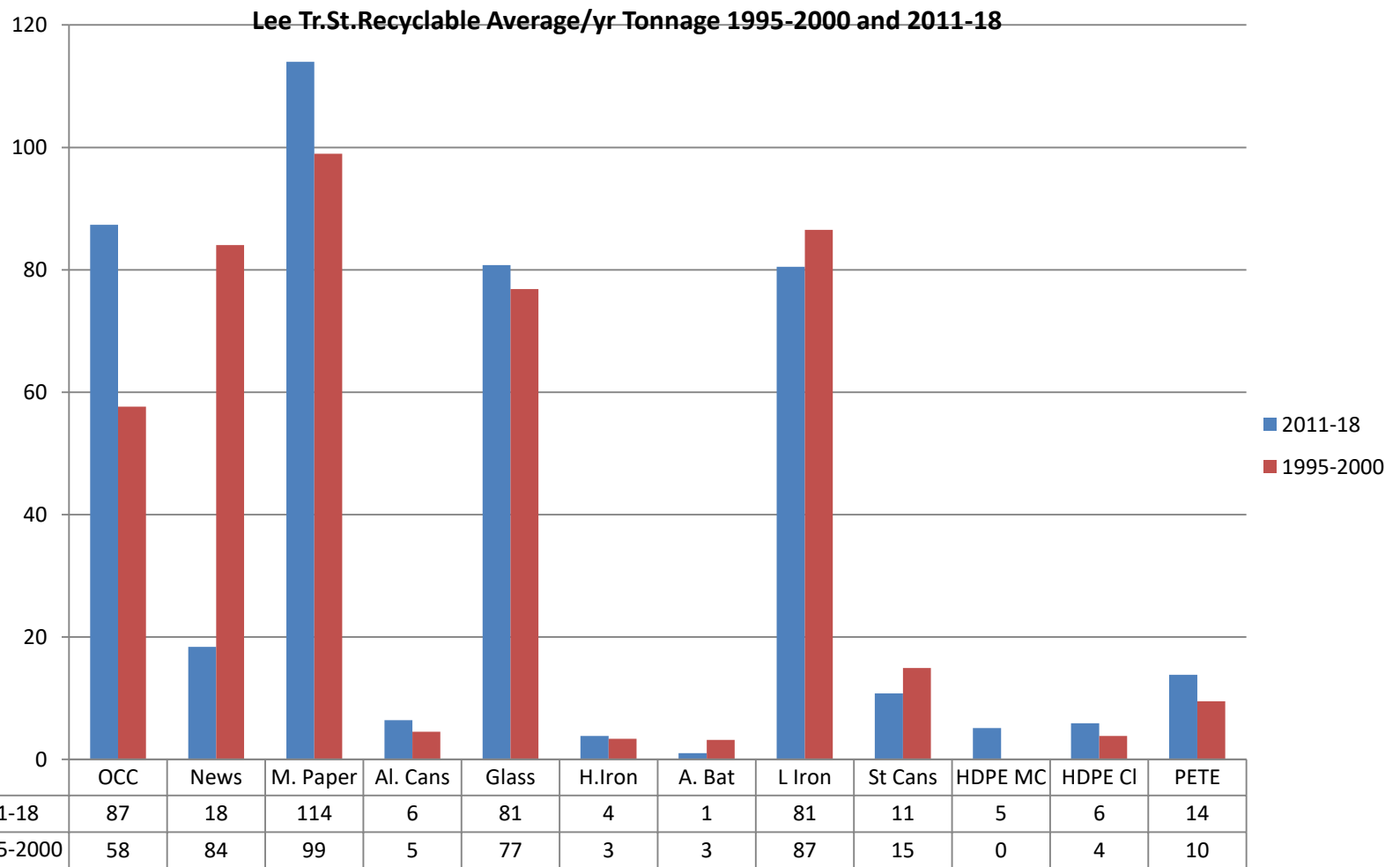


Lee Tr.St. 2018 Recyclables Marketed By Tons and Percent

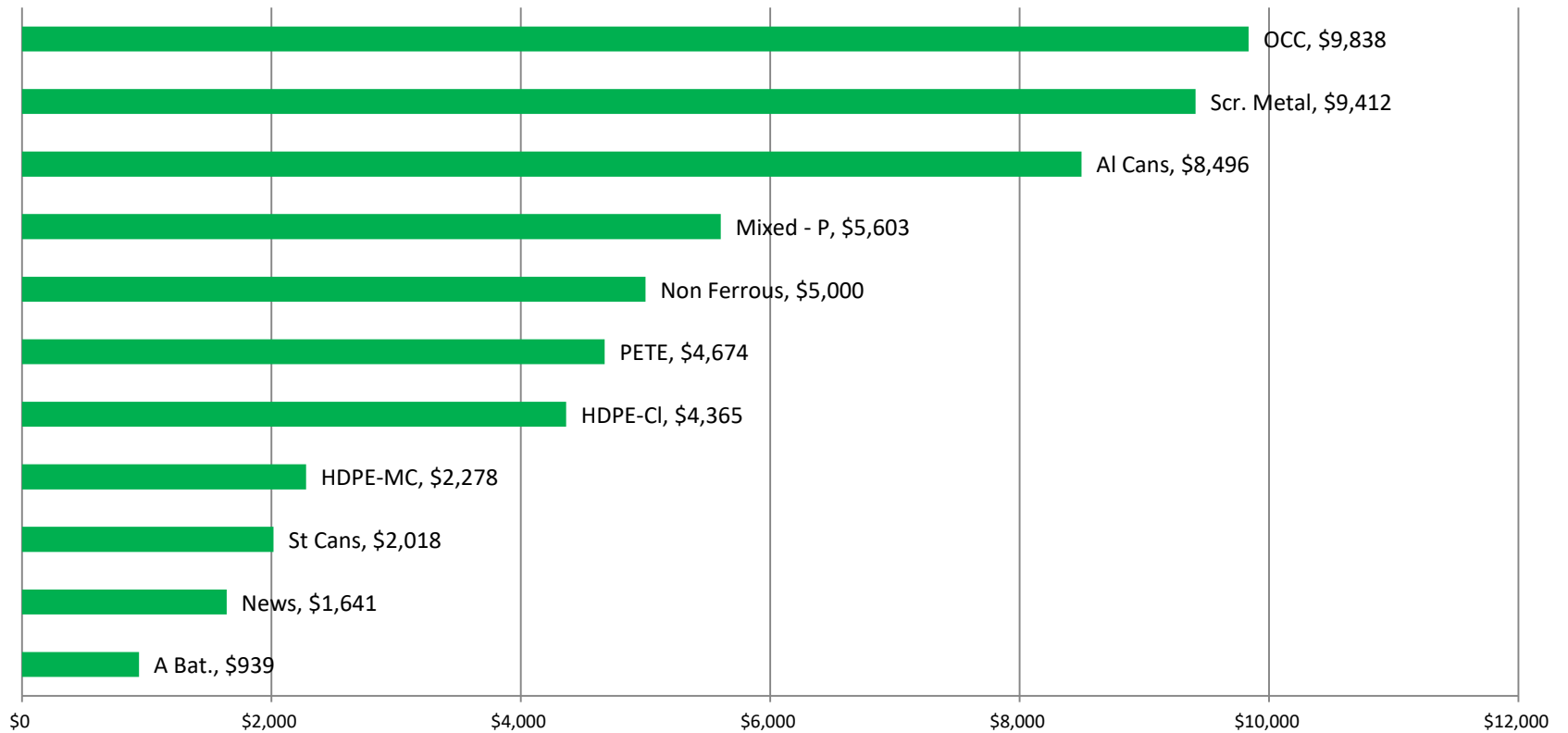


Lee Tr.St. - Tons of 2018 Primary Recycleables Marketed by Group

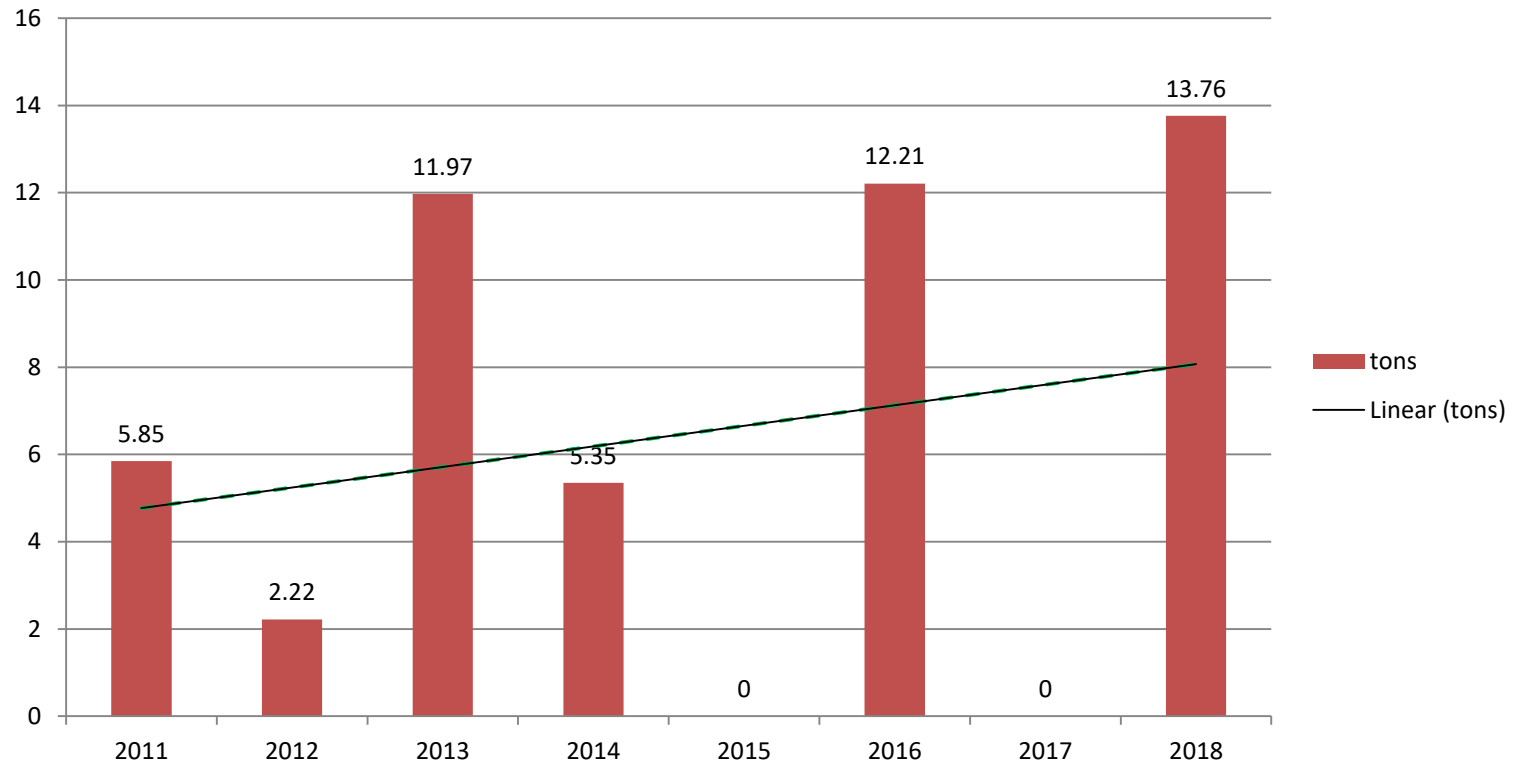




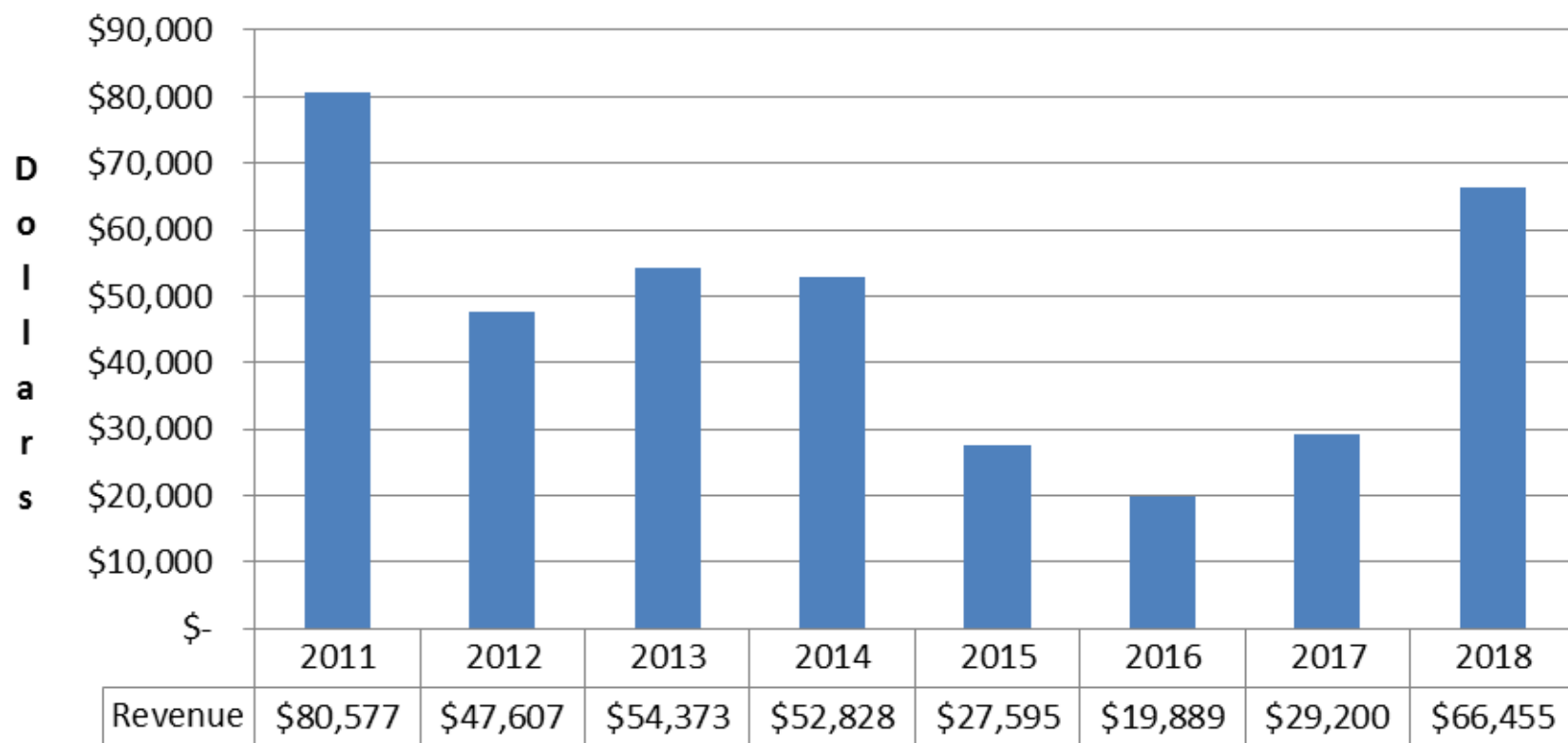
Average Yearly Recyclable Revenue Lee Tr.St. (2011-18) -Does Not Include Glass

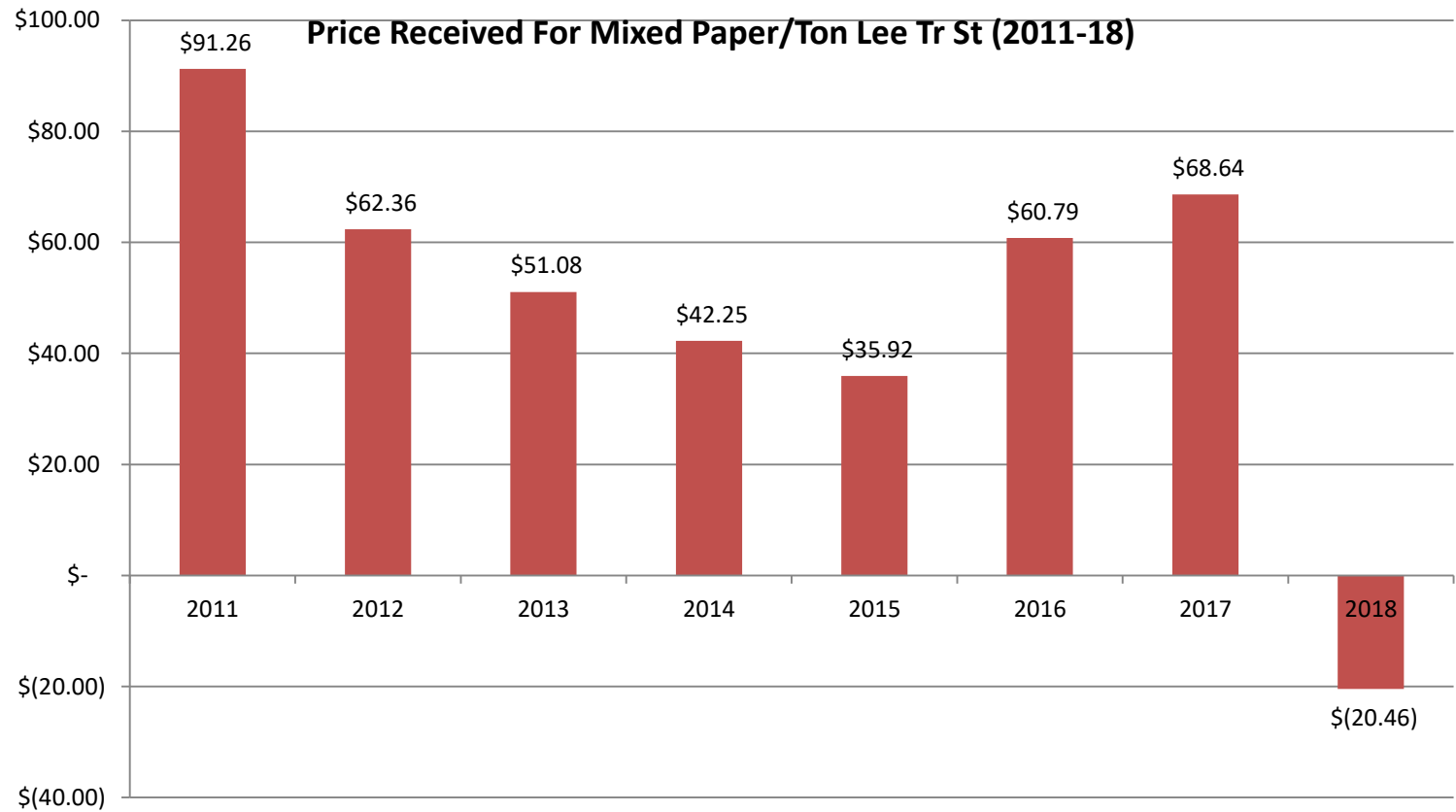


Lee Tr.St - Tons of Al Cans Marketed (2011-2018)

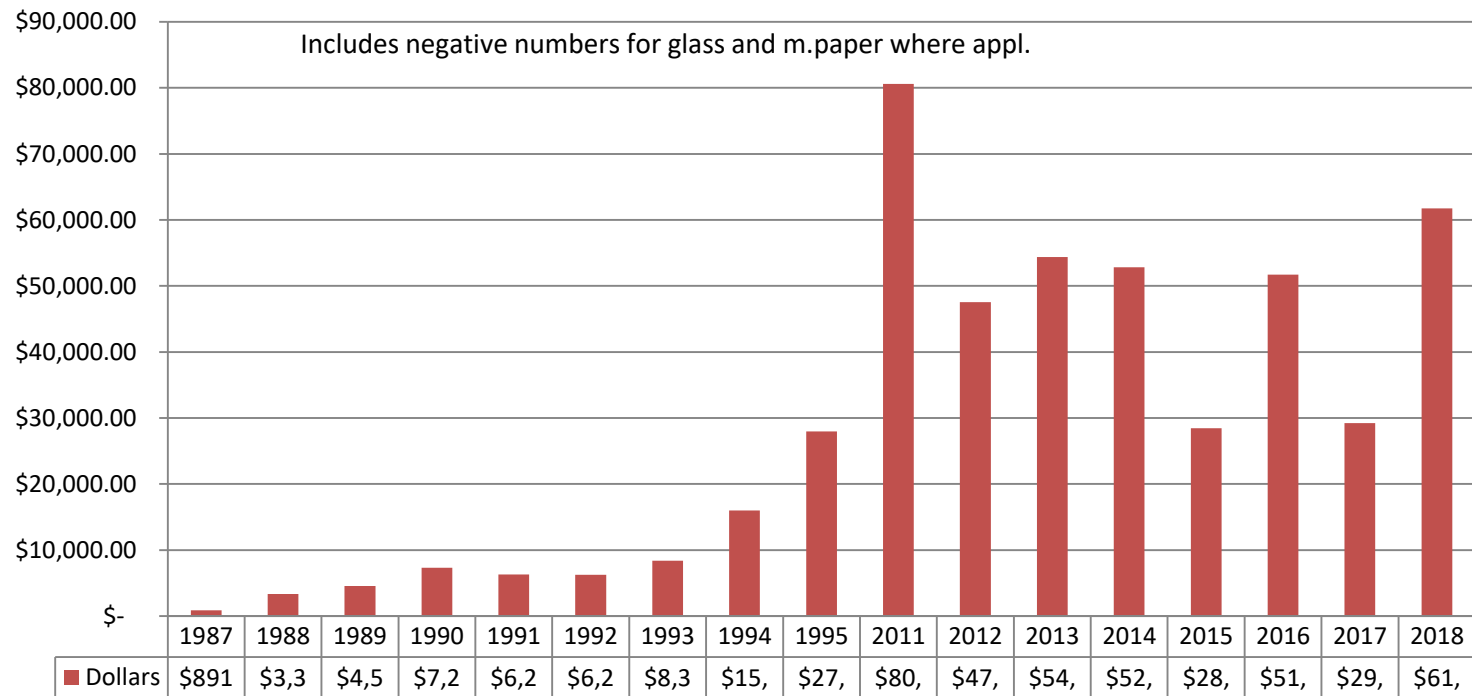


Lee Tr.St.-Revenues for Recyclables Marketed Through NRRA (CY)





Recycling Revenue Lee Tr St (87-95)-(11-18)



Lee Recyclables Marketed in 2018 Through NRRA			
2018	Tons	Revenue	Price/ton
Al. Cans	13.76	\$ 20,911.20	\$ 1,519.71
Auto Bat	1.56	\$ 842.94	\$ 540.35
News	21.96	\$ 2,261.88	\$ 103.00
Mixed Paper	109.21	\$ (2,234.91)	\$ (20.46)
Cardboard	87.25	\$ 7,876.89	\$ 90.28
Glass	78.5	\$ (2,349.00)	\$ (29.92)
HDPE (MC)	8.35	\$ 2,637.77	\$ 315.90
HDPE (nat)	8.35	\$ 4,173.84	\$ 499.86
PETE	25.66	\$ 6,578.76	\$ 256.38
St Cans	21.37	\$ 3,861.87	\$ 180.71
Non Ferrous	4.43	\$ 5,303.05	\$ 1,197.08
Scrap Metal	97.74	\$ 10,082.18	\$ 103.15
Totals	478.14	\$ 59,946.47	\$ 125.37
Cost avoidance by not sending to landfill		478.14 x 80.00 =\$38,251.20	

Note – Al. can revenue and tonnage is for approx. 2-1/2 years of stored bales.

Cost Analysis of Potential Composting Program Through Mr Fox					2/8/2019				
Totes picked up per week		1	2	3	4	5	6	7	8
Weekly P/u charge		14	28	42	56	70	84	98	112
Weight per week/250lbs ea.		250	500	750	1000	1250	1500	1750	2000
Cost per year		728	1456	2184	2912	3640	4368	5096	5824
Weight per year in tons		6.5	13	19.5	26	32.5	39	45.5	52
Cost/ton		112	112	112	112	112	112	112	112
Cost over landfilling (@80/ton)/year		208	416	624	832	1040	1248	1456	1664
Price does not include cost of special compost bags and totes at one time cost of 80 dollars each.									
Totes picked up per week		1	2	3	4	5	6	7	8
Weekly P/u charge		14	28	42	56	70	84	98	112
Weight per week/300lbs ea.		300	600	900	1200	1500	1800	2100	2400
Cost per year		728	1456	2184	2912	3640	4368	5096	5824
Weight per year in tons		7.8	15.6	23.4	31.2	39	46.8	54.6	62.4
Cost/ton		93	93	93	93	93	93	93	93
Cost over landfilling (80/ton)		104	208	312	416	520	624	728	832
Totes picked up per week		1	2	3	4	5	6	7	8
Weekly P/u charge		14	28	42	56	70	84	98	112
Weight per week/350lbs ea.		350	700	1050	1400	1750	2100	2450	2800
Cost per year		728	1456	2184	2912	3640	4368	5096	5824
Weight per year in tons		9.1	18.2	27.3	36.4	45.5	54.6	63.7	72.8
Cost/ton		80	80	80	80	80	80	80	80
Cost over landfilling (80/ton)		0	0	0	0	0	0	0	0
Totes picked up per week		1	2	3	4	5	6	7	8
Weekly P/u charge		14	28	42	56	70	84	98	112
Weight per week/400lbs ea.		400	800	1200	1600	2000	2400	2800	3200
Cost per year		728	1456	2184	2912	3640	4368	5096	5824
Weight per year in tons		10.4	20.8	31.2	41.6	52	62.4	72.8	83.2
Cost/ton		70	70	70	70	70	70	70	70
Cost over landfilling (80/ton)		-104	-208	-312	-416	-520	-624	-728	-832
Bag Cost (sugessted 3 gallon bags)		49.99/600 = 12 for a dollar or 8-1/3 cents ea.							

Depreciation schedule Lee Tr St 2003-18

Item	Built/Acq.	Cost	Interest	Total	Life Span	Cost/Yr
Transfer Station Building	2003	600,000	277,082	879,085	50	17,581.70
#1 Bobcat		40,000	0	40,000	15	2,666.67
#2 Bobcat		40,000	0	40,000	15	2,666.67
#3 Bobcat		40,000	0	40,000	15	2,666.67
Used 2-1/2 CY Loader		50,000	0	50,000	15	3,333.33
Horizontal Baler #1		50,000	0	50,000	25	2,000.00
Horizontal Baler #2		50,000	0	50,000	25	2,000.00
Rebuilt Trash Compactor		25,000	0	25,000	25	1,000.00
#45-45 yd opentop container		8,500	0	8,500	12	708.33
#47-45 yd opentop container		8,500	0	8,500	12	708.33
#48 - 45 yd closed top container		8,500	0	8,500	15	566.67
# 49 -45 yd closed top container		8,500	0	8,500	15	566.67
#50 - 45 yd open top container		8,500	0	8,500	15	566.67
				Total Depreciation/yr		37,031.70
Misc.						
Total Avg Tr St Tonnage per year 2011-18		1881			MSW Disposal Rate	65
Equipment and building depreciation		37,031.00			trucking	15
Ancillary Labor cost		70,000.00			Total	80/ton
Total Buget -operating and disposal 17-18		310,385.00	?			
Recycling income and fees 17-18		82,911.00			1,000 tons /year @80	80,000
Expenses and depreciation minus income		334,505.00				
per ton cost		177.83				
					67 bags/ton @30lbs per bag.	
EPA facts (4.40 lbs waste per day per person)						
4.40 x 1/2 of population (2,211x 4.40 x 365)		1775	tons			
1000 tons x 2000 lbs.divided by 30lbs/bag =66,666 bags						
334,505.00 Divided by 66,666 bags =\$5.18 per bag to cover all Tr St cost						
Cost/bag to cover MSW disposal cost only assuming a 75 percent reduction in waste with PAYT and 30 Lb bags.						
1000 tons MSW times 75 percent= 750 tons X 80/ton =60,000 divided by 50,000 bags - 1.20/bag to cover cost						