



BENEFITS OF ON-SITE COMPOSTING: THE HIGH LINE

American Public Garden Association

June 5, 2018

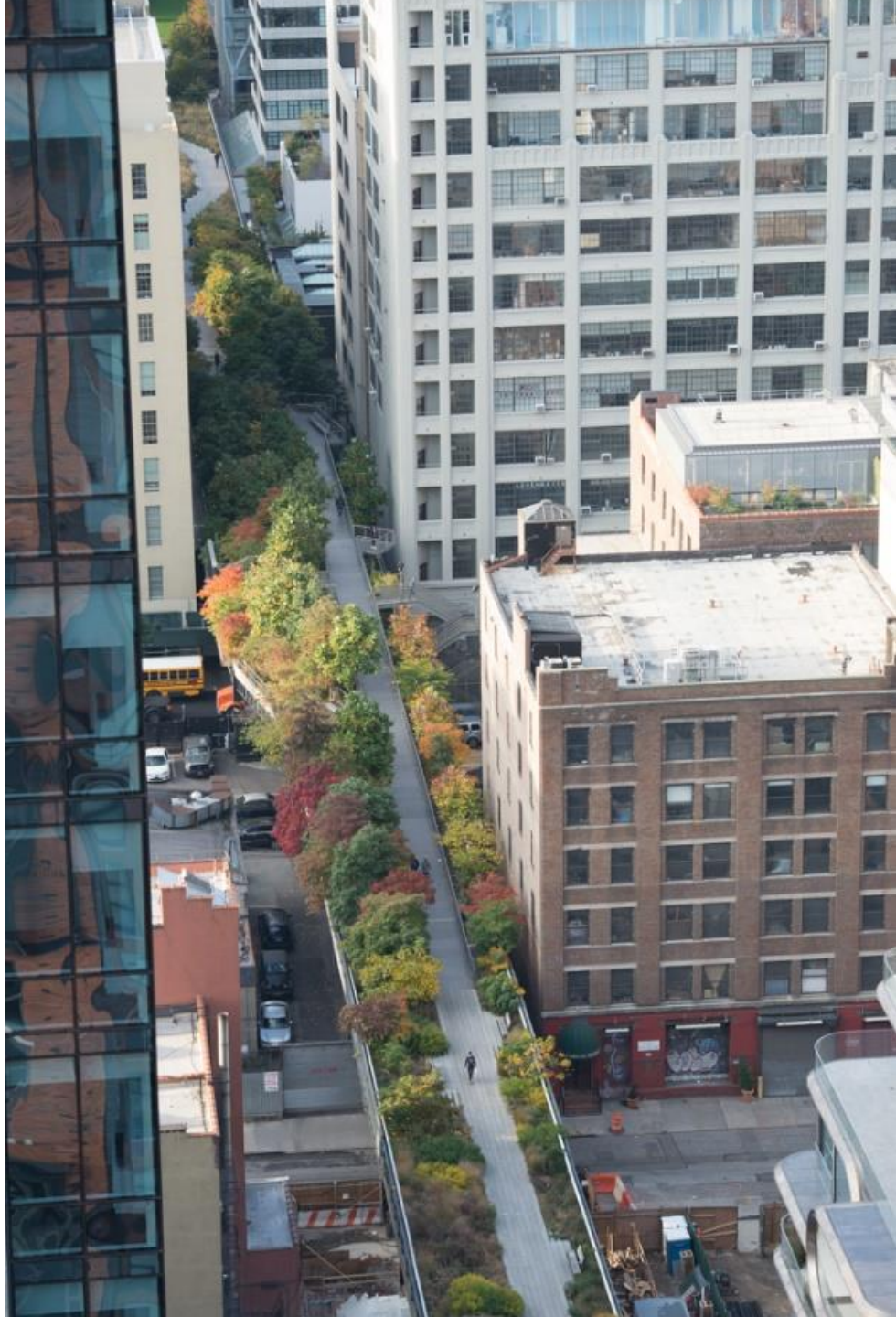
































Highline green waste removal analysis

10.23.12

Garden green waste material

Produced per year:

Container capacity:

10530 Cubic feet	or	78390 gallons
390 lawn bags	or	827 95 gal. totes
(at 27 cubic feet per Lawn bag)		(at 12.7 cubic ft. per tote)

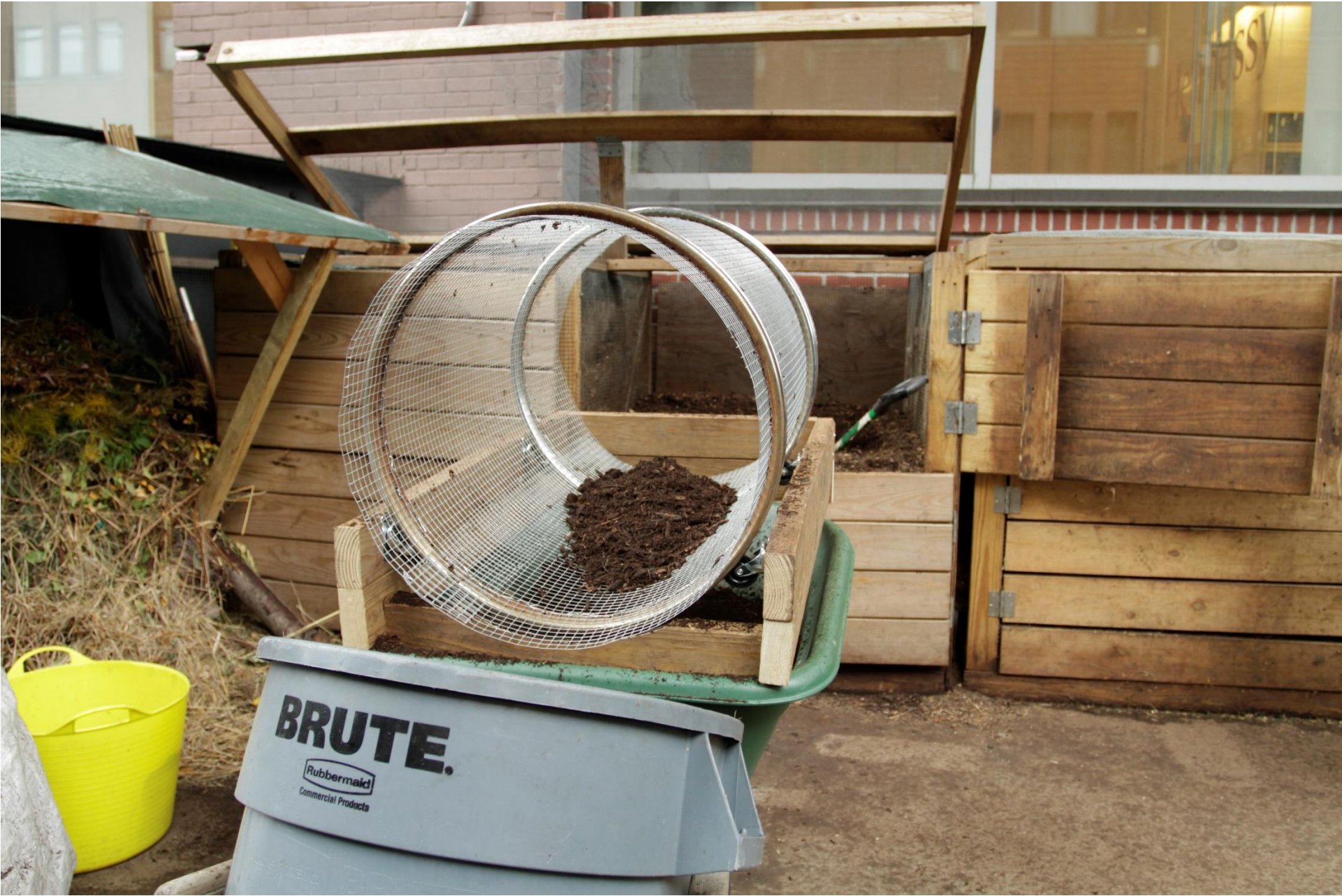
Monthly breakdown	Fresh Kills Lawn bags	Action Carting totes
December thru February	0	0
March cutback	150	318
April thru November	<u>240</u>	<u>509</u>
total	390	827
Total pickups or removals		
December thru February	0	0
March cutback	5 (30 bags per)	25 (5 per week)
April thru November	<u>8</u> (30 bags per)	<u>64</u> (2 per week)
total	13	89
Green waste storage req.		
December thru February	25 sq. ft. - 225 sqft (up to 30 bags stacked)	23 sq. ft. (3 totes)
March cutback	225 sq. ft. (30 bags stacked)	90 sq. ft. (12 totes)
April thru November	25 sq. ft. - 225 sqft (up to 30 bags stacked)	23 sq. ft. (3 totes)
Removal costs		
	\$240 per trip	\$10 per tote
December thru February	0	0
March cutback	\$ 1,200.00 (5 trips)	\$ 3,180.00 (318 totes)
April thru November	<u>\$ 1,920.00</u> (8 trips)	<u>\$ 5,088.00</u> (509 totes)
total	\$ 3,120.00	\$ 8,268.00
Staging staff hours		
December thru February	\$ - 0 hrs. per trip	\$ - 0 hrs. per trip
March cutback	\$ 1,170.00 13 hrs. per trip	\$ 1,575.00 3.5 hrs. per trip
April thru November	\$ 1,584.00 11 hrs. per trip	\$ 1,152.00 1 hrs. per trip
Delivery staff hours		
December thru February	\$ -	\$ - 0 hrs. per trip
March cutback	\$ 1,170.00 13 hrs. per trip	\$ - 0 hrs. per trip
April thru November	\$ 1,584.00 11 hrs. per trip	\$ - 0 hrs. per trip
Restock		
December thru February	\$ - 0 hrs. per trip	\$ - 0 hrs. per trip
March cutback	\$ 90.00 1 hr. per trip	\$ 1,575.00 3.5 hrs. per trip
April thru November	<u>\$ 144.00</u> 1hr per trip	<u>\$ 1,152.00</u> 1 hr. per trip
Total	\$ 5,508.00	\$ 2,727.00
Costs		
Yearly	\$ 8,628.00	\$ 10,995.00
Monthly	\$ 719.00	\$ 916.25
Per bag or container	\$ 22.12	\$ 13.30











Compost Bin system Retrofit

Aerated Static pile

<u>Materials list</u>	<u>Price</u>
¼" Standard Hardboard (3)	\$ 56.55
1.5HP DC3 portable blower (1)	\$ 309.95
Outdoor Timer (1)	\$ 20.00
4in X 3in PVC flexible coupling (1)	\$ 10.00
3" PVC (20ft)	\$ 70.00
3" Elbow (1)	\$ 2.58
3in PVC solvent socket Ball valve (2)	\$ 95.08
3" All Hub Tee(2)	\$ 29.36
PVC primer and glue	\$ 10.00
Caulk (3)	\$ 20.58
3" PVC flexible caps (3)	\$ 13.89
PVC sleeve (8ft)	\$ 15.00
½ drill bit (1)	\$10.00
2x4 weather shield (4)	\$21.48
Extension Cord	\$60.00
TOTAL COST	\$744.47

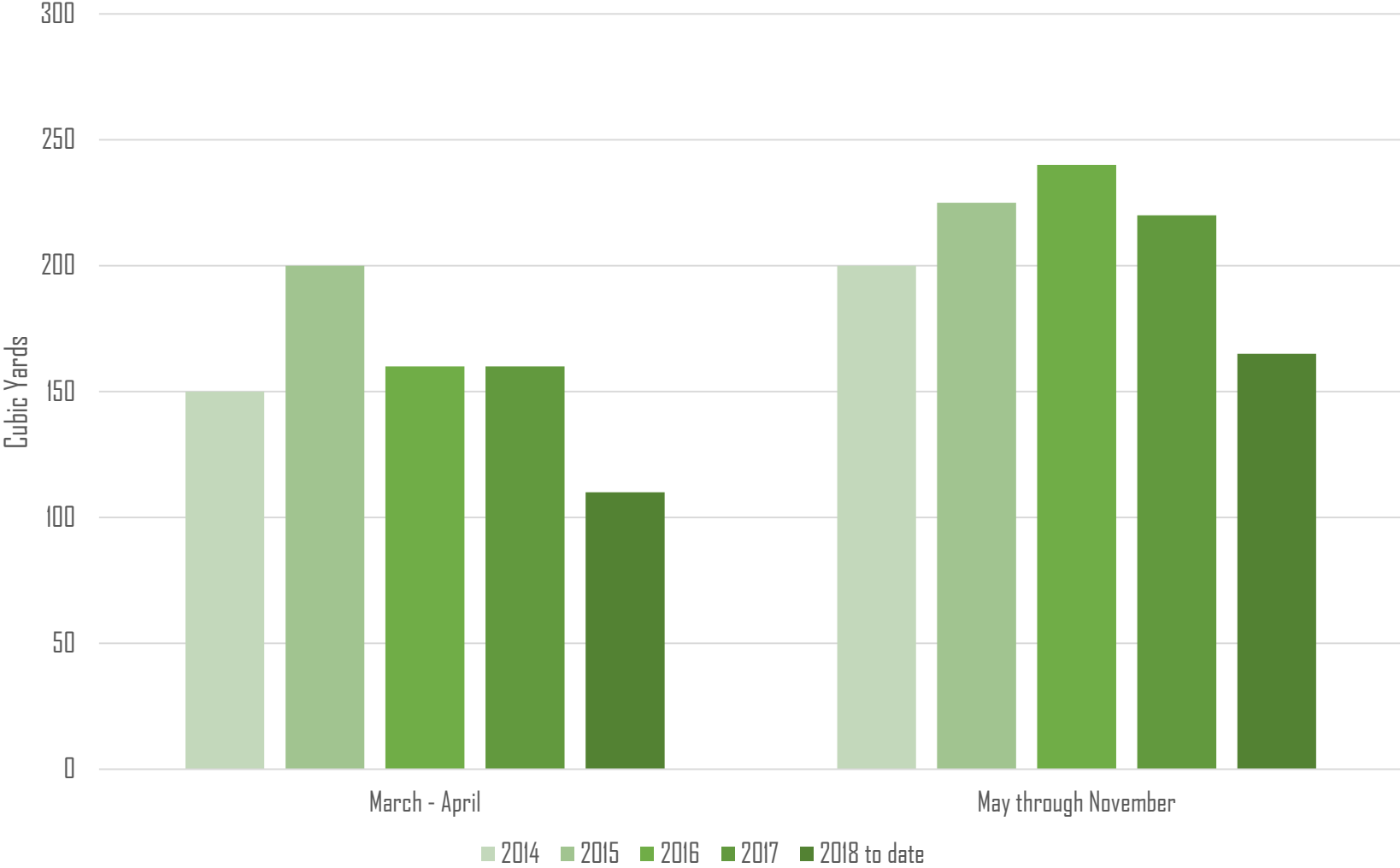




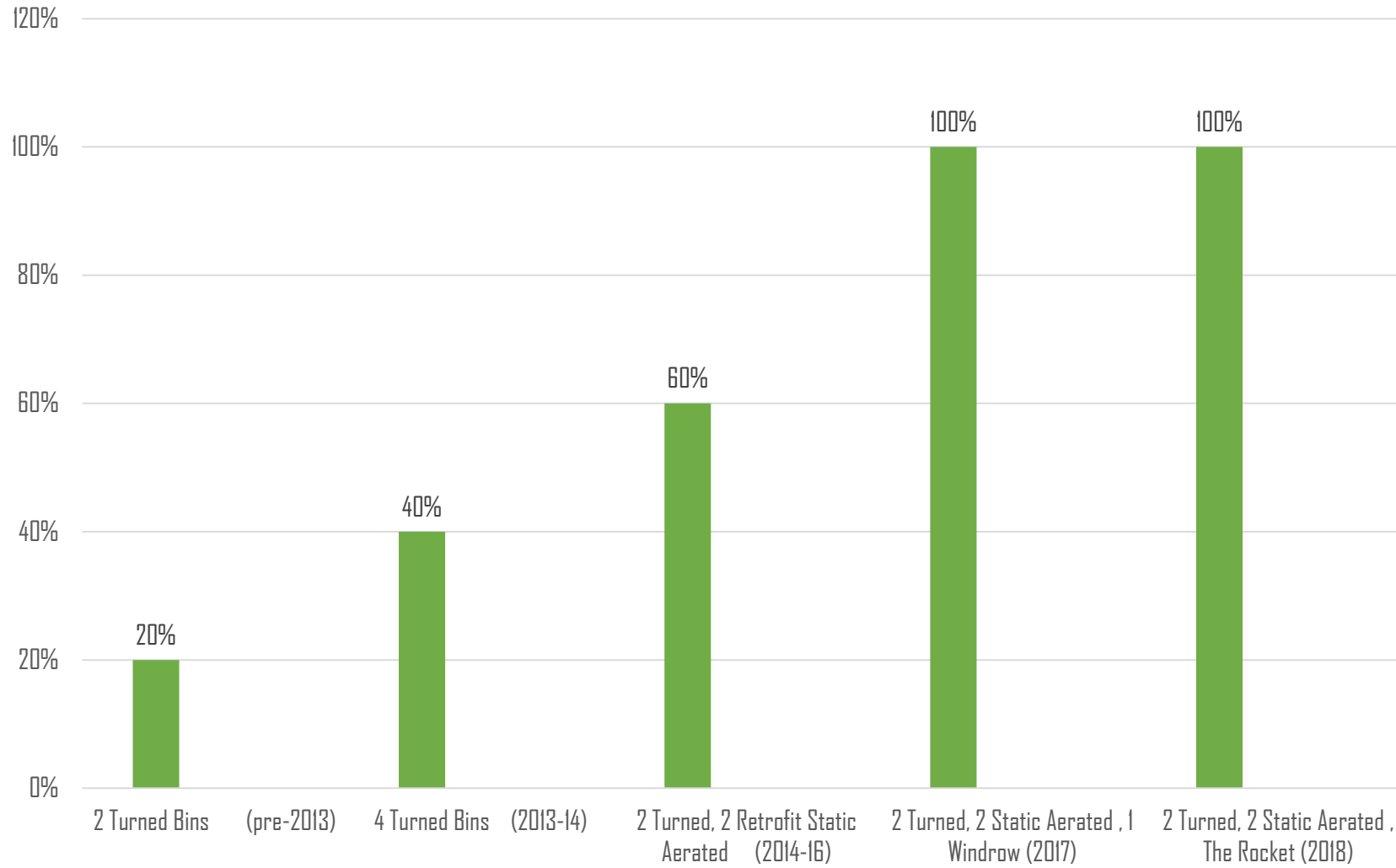




Cubic Yards of Biodebris Produced



Biodebris Composted On-Site



Thank you

Andi Pettis
Director of Horticulture
andi.pettis@theighline.org