

Food Scrap Diversion in Arlington

Charlotte
Milan,
Recycling
Coordinator



Love Food
Hate Waste
Mushrooms
Keep refrigerated
- they'll last about
one week

Love Food
Hate Waste
Old Strawberries
Wash, then freeze in smoothies

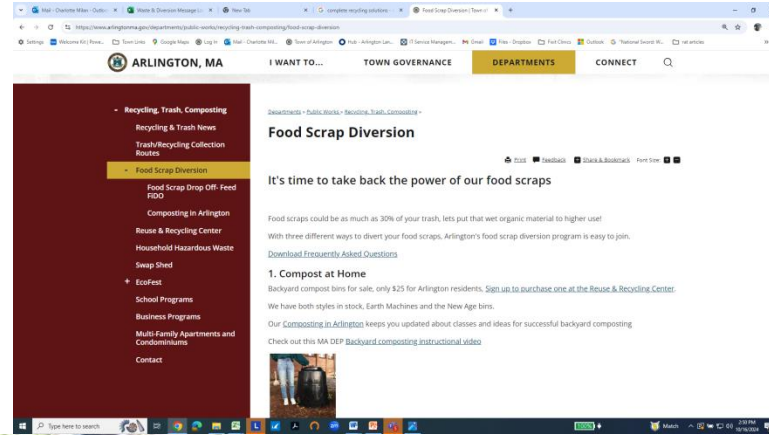
Love Food
Hate Waste
Basil
Don't refrigerate
Instead, put in
water glass (like
flowers) and keep
water in bottom

Love Food
Hate Waste
Fresh Herbs
Place in plastic
bag or bag with
water

Love Food
Hate Waste
Potatoes
Keep in dark
location, dry
Can last 3 weeks

Love Food

Information



Early adopters and champions



Culture shift started in 2011!



HAVE YOU
"BIN"
WANTING TO
COMPOST?

READY TO TAKE THIS NEXT STEP?
Learn more at arlingtonma.gov/recycle



**Meet
Curbi
&
FiDO**



Cost and Savings Model

Budget Gymnastics



<i>Model based on existing conditions, projected using March-May 2019 user data</i>		
Drop Off Program		
Month	51 Grove St (13)	cost
Mar-19	1248	\$ 229.04
Apr-19	1248	\$ 327.60
May-19	1344	\$ 352.80
Annual Average	15360	\$ 303.15
Number of users	400	
Estimates based on vendor reports and industry standard conversions:		
Gallons diverted/yr	384298	
Lbs./yr (@5.31#/g)	2040620	
Tons/yr assuming 100% capacity	1020.31	
Adjust to assume 50% capacity	500	This can be as:
Operating cost/yr	\$ 8,578.88	
Cost/ton diverted	\$ 8.41	
Savings/ton (@\$69.54)	\$ 61.43	
Costs savings based on 100% capacity	\$ 61,430.00	Based of what
Adjusted to assume 50% capacity	\$ 30,715.00	Conservative e
Actual tonnage reduction in FY19	421	Difficult to attri
Model based on number of users as of July 25, 2019		
Private Hauler Collections		
Total Households participating	900	
Est lbs./hh/yr (@10 lbs./w)	520	
Lbs./yr	468,000	
Tons/yr	234	This weight m:
Cost/ton diverted	\$ -	
Operating costs/yr	\$ -	
Savings/ton (@\$69.54)	\$ 69.54	
Total projected savings	\$ 16,272.36	
Net Projected Savings	\$ 46,987.36	
Projected FY20 net weight diversion if no action	655	Reducing tras
FY18 trash tonnage	12,684	
FY19 trash tonnage	12,263	
Actual % change from previous year	-3%	
MA Solid Waste Master Plan goals	11,362	by 2020
	3,246	by 2050
School Food Scrap Diversion Program		
Tons diverted annually, per audit	61	Note: Inserted
Cost for program	\$ 14,000.00	This cost has b
Avoided tipping costs (61 tons)	\$ 4,242.00	consideration i
Net cost for program	\$ 9,758.00	



Location, Equipment



McClennen Park,
near parking lot



Permission



Access & Equity



Measuring Success (from 2019)

In the first year of this expansion, the **Town has invested up to \$100,000** for equipment, staff, outreach and hauling/processing costs. The investment of these funds are intended to build familiarity and comfort with source-separating of food scraps from trash to higher economically and environmentally beneficial uses.

No measurable decrease in trash tonnage may be experienced in the first year (per the City of Cambridge example), but **success will be achieved if a minimum of 10% (2,000) households are actively using one of the two programs.**

Ongoing data collection for evaluation and future planning includes the number of registered private subscribers, trash and food scrap tonnages, and registered drop off program users.

FiDO (Food scrap Drop Off)

2017 expanded to 3 locations

2018 400 users

2022 895 users

2024 1,120 users




Curbi

2018: Black Earth Compost has 81 customers, diverting 15 tons/year
Also working at this time: Garbage to Gardens, City Soil and Bootstrap Compost

2024: Black Earth Compost has purchased Arlington's G2G book of business, **currently serving 2,400 hh**
12% of households!



YouTube ACMI Recycling



A Sustainable Valentine from the Arlington Recycling Initiative!

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you
for
your
interest!**

A Sustainable Valentine from the Arlington Recycling Initiative!



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