

COG Recycling Committee



Public Space Recycling

March 22, 2012



DowntownDC BID Public Recycling Program July 2008- March 2011

Six-month Pilot Public Recycling Program - July 2008

- ❁ The DowntownDC BID, Department of Public Works, and American Beverage Association launched the six-month pilot program to examine feasibility of public recycling by locating 25 cans throughout downtown.
- ❁ **Capital Improvement Investment Study** - The Pilot assessment determined that public recycling worked, however district wide feasibility was an issue of identifying significant start-up resources.
- ❁ **Downtown Streetscape Improvement Project** - Completed in September 2010, the project was funded with ARRA stimulus funding, and provided 39 additional public recycling cans.



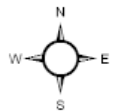
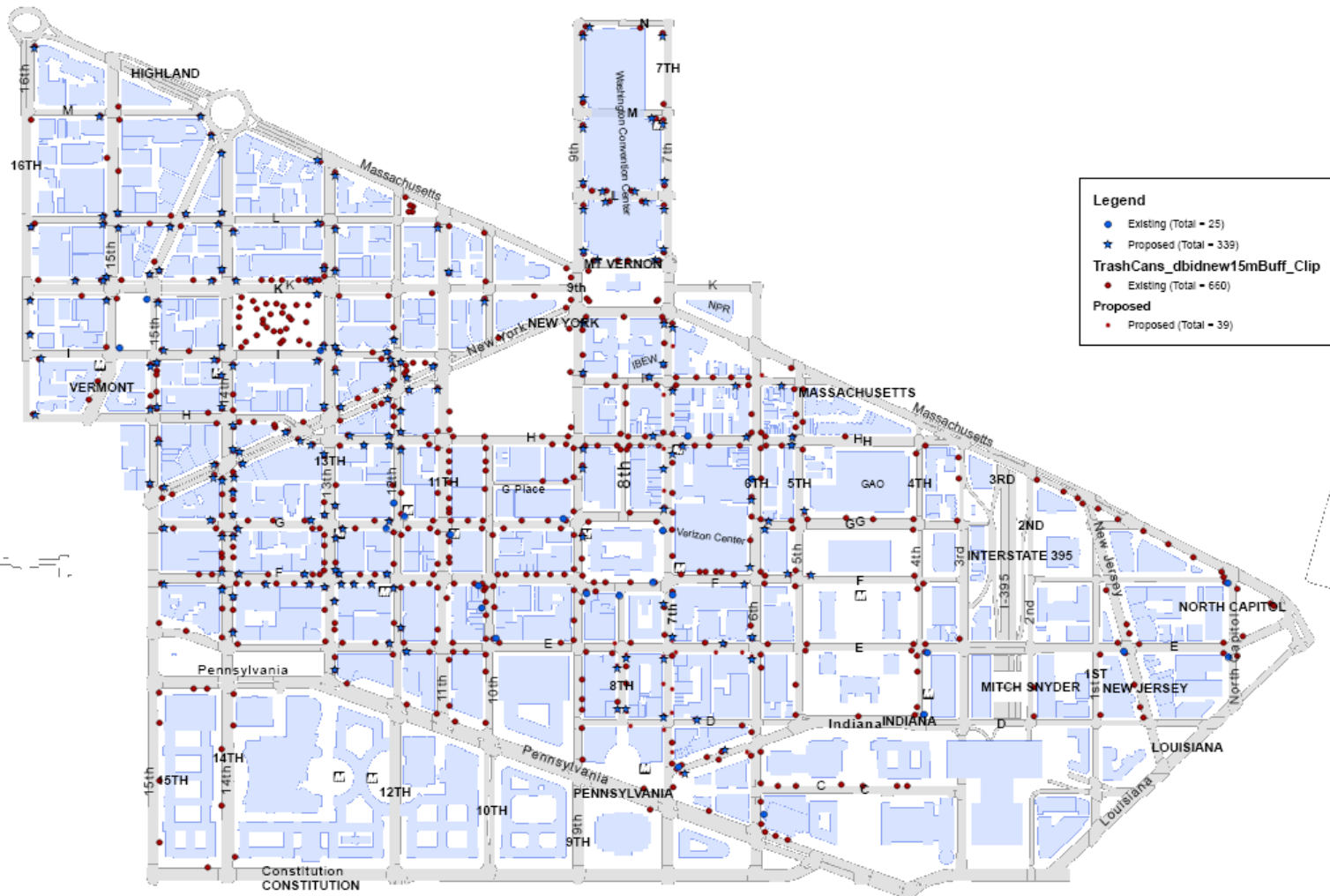
DowntownDC BID Public Recycling Program Dream Machine Partnership

Washington DC - Dream Machine Partnership

- ❁ PepsiCo to donate 300 bins and publicize Washington DC Dream Machine program
- ❁ Downtown BID to service the bins, deliver the recyclables to Department of Public Works and implement staff training and community education
- ❁ Department of Public Works will install the bins and will provide weight measurements and deliver the recyclables to Waste Management MRF.



Public Space Recycling Program Expanding throughout the Entire BID – 363 Bins





DowntownDC BID Public Recycling Program Monitoring and Measuring Success

Examining the operations of the program



- ♻️ Measuring the materials being recycled and diverted from landfills
- ♻️ Reconfirming the location types that result in the greatest diversion rates
- ♻️ Evaluating ways to reduce the cost of servicing the program using the SAM teams
- ♻️ Provide updated information about program to downtown stakeholders



DowntownDC BID Public Recycling Program Dream Machine Partnership

	Composition Percentage	Total Collected (Tons)	Total Collected (Lbs.)
Paper	43.15%	23.238	46477
Aluminum	2.50%	1.349	2697
PET	17.98%	9.683	19365
Glass	14.41%	7.763	15527
Tin	0.00%	0.000	0
Residue	21.96%	11.827	23653
Total	100.00%	53.860	107720

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What Happens to My Recyclables in
Downtown DC?

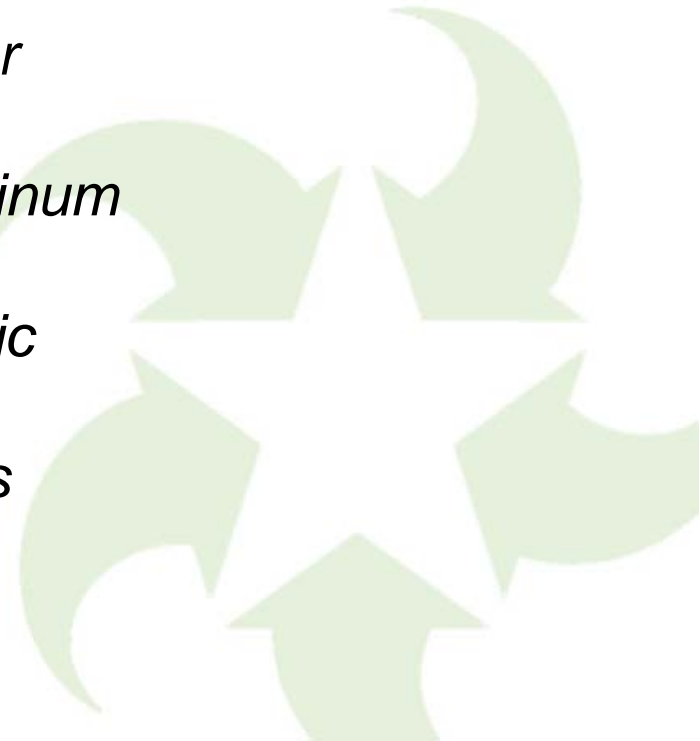


Step 1: Dispose of Bottle/Can/Paper in the Single Stream Recycling Bin



Single Stream Recycling Bins Accept:

- *Paper*
- *Aluminum*
- *Plastic*
- *Glass*





Step 1: What **CAN** go into the Recycling Bins?





Step 1: What CAN'T go into the Recycling Bins?



Coffee cups, the largest contaminant, are lined with wax or plastic and cannot be recycled.





Step 2: SAMs Collect Blue Bags from the Recycling Bins



- Blue plastic bags are used in the recycling bins and clear bags are used in the trash bins.
- SAMs collect the bags from both bins and place them in their red rollaway containers.



Step 2: SAMs Collect Blue Bags from the Recycling Bins



- SAMs place the recyclable materials from their red rollaway containers on the corner of the street where the SAM truck picks them up.

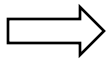


Step 3: The SAM Truck Delivers Recyclable Materials to an Internal DPW Site

DPW Drop-Off Site



- The SAM truck unloads the recyclable materials into a roll-off container at the D.C. Department of Public Works New Jersey Avenue, SE site.

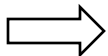




Step 4: DPW Delivers Recyclables to the Waste Transfer Station at Fort Totten



- DPW waits for the roll-off container at New Jersey Avenue, SE to reach maximum storage capacity.
- DPW then delivers the roll-off container of recyclables to the Waste Transfer Station at Fort Totten to be weighed.

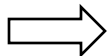
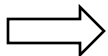




Step 5: Recyclables are then sent to the Waste Management MRF



- The Waste Transfer Station then delivers the recyclables to the local Waste Management Materials Recovery Facility in Prince George's County, Maryland.

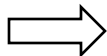
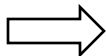




Step 5: Recyclables are then sent to the Waste Management MRF



- In order to determine a base content for analysis at the beginning of the program, at the very first collection cycle all recyclable materials will be sorted and weighed by the Waste Management MRF.

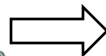
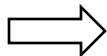
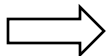




Step 6: PepsiCo Collects Recycled Materials



- PepsiCo purchases recycled aluminum and plastic materials from the Waste Management MRF.
- The materials are then sent to a local PepsiCo beverage container manufacturing facility to be recycled into new bottles and cans.





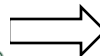
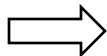
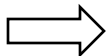
Step 7: PepsiCo makes a contribution to Entrepreneurship Bootcamp for Veterans with Disabilities



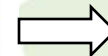
The Entrepreneurship Bootcamp for Veterans with Disabilities Class of 2010
MaysBusiness.edu

- For every 10 million pounds of recycled plastic and aluminum collected, PepsiCo makes a \$250,000 contribution to EBV, as well as an annual contribution of \$500,000.

Entrepreneurship Bootcamp for Veterans with Disabilities (EBV) is a national program offering free, experiential training in entrepreneurship and small business management to post-9/11 U.S. veterans with disabilities.



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