

**The Status of Solid Waste
Management
2000**

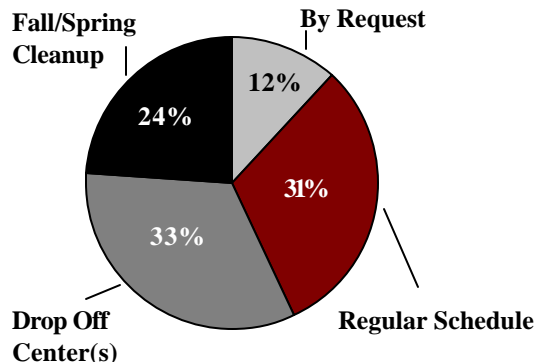
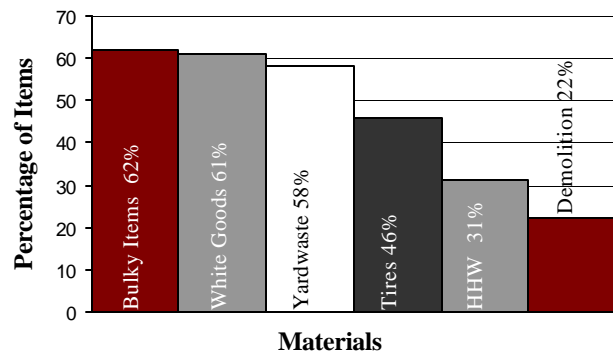
**Collections and Recycling
Survey Report**



Draper Aden Associates
Engineering ♦ Surveying ♦ Environmental Services

Bulky Material Collection

The information gathered on bulky material collection provided by localities was broken down by the type of materials collected and the system used for collection.



Commercial Collections

Of the responses recorded, 41% of the localities collect commercial waste directly with their own staff. Fourteen percent (14%) of the respondents reported contracting with a private hauler to collect the commercial accounts and 78% reported reliance on the commercial businesses to contract directly with a private hauler for collection.

Collections Survey Data

Key: Local Govt. = LG Private = P Non-Profit = NP Multiple Contracts(Private) = M Single Contract(Private) = S Homeowner(Private) = H Bulk = B Yard Waste = YW Demolition = D Tires = T White Goods = WG Household Hazardous Waste = HHW

Locality	Annual Waste Tonnage Within Locality	Annual Waste Tonnage Collected By Locality	Operate a Landfill (L) or use a Transfer Station (TS)	Operation of Landfill Used By Locality	Curbside Pickup	Operation of Greenboxes	Operation of Convenience Centers	Annual Cost for Residential Collection	Average Annual Cost Per Household	Program Funded by General Fund (GF), Direct Billing (DB), Added to Utility Bill (UB)	Commercial Collection: Private Co. contracted by LG (PLG) or contracted by Business (PB)	Materials Collected and/or Recycled	Operation of Curbside Collection	Number of Households Served	Frequency of Collections: Daily (D), Weekly (W), Twice Weekly (TW), monthly (M), Every Other Week (E)	Drop Off Operated By	Number of Drop Offs Used	Buy Back Facilities
Accomack County	38,065.75		L	LG	M, H	LG				GF	PB					LG	3	
Alleghany County	9,424.65	13,588.49	TS	P	LG					GF	LG, PB	T				LG, P		
Amelia County	10,080.37		L	P			LG, P				PB	WG, HHW				P, NP	8	
Amherst County	24,845.40	17,422.92	L	LG	M	LG, P			\$76.50	DB, UB	PB, PLG					LG		
Arlington County	101,666.00			LG	LG, M			\$4,808,237	\$129.09	DB,UB	PB	B, YW, D, T, WG, HHW	P	31,850	W			
Bath County			TS	P		LG, P	LG, P			GF	PB					LG		
Bedford County	38,472.00	24,179.00	TS, L	LG	H	LG, P	LG			GF	PB	B, WG, HHW				LG	9	
Botetourt County	22,774.00		L	LG	M			\$174.00		GF	PLG				W	LG		
Buckingham County	6,603.00	5,463.00		P		LG	LG			DB	PB	B, WG				LG		
Campbell County	49,594.00		L	LG	M	LG				GF	LG, PB	YW, T, WG	P			LG		
Charlotte County		5,809.00		P		LG	LG			GF	LG, PB	B, T, WG		4,800		LG	4	
Chesterfield County	165,000.00	34,000.00	L	P	LG, H		LG	\$645,000	\$129.00	GF	PB	B, YW, T, WG, HHW	LG	67,000	E	LG	6	
City of Alexandria	100,462.00	26,796.70			LG, H				\$185.00	DB	LG, PB	B, YW, D, T, WG, HHW	LG	19,000	W	LG	3	
City of Colonial Heights	12,000.00	9,700.00		P	S		LG	\$400,000	\$84.00	GF	PB	B, YW, WG, HHW	LG	6,000	W	LG	3	
City of Covington	5,507.95	5,507.95	L	LG	LG			\$349,000	\$87.00	DB, UB	LG	B, YW, D, T, WG						
City of Danville	55,000.00	23,000.00	TS	P					\$165.60	DB, UB	PB	B, YW, WG				LG		
City of Emporia	8,000.00	6,500.00	L	LG				\$180,613	\$72.25	GF, DB, UB	LG, PB	B, YW, T, WG	LG	2,500	W			
City of Franklin	7,000.00	7,000.00			LG					DB	PB	B, YW, WG, HHW	LG		W	LG		
City of Fredericksburg		1,504.97	L	LG	H			\$245,362	\$136.80	GF, DB	PB	B, YW, D, T, WG	LG		2W	LG	1	

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Pulaski County	137,075.00	135,680.00	L	LG												LG		
Rappahannock County	7,000.00	5,400.00	L	LG			LG			GF	PB					LG	2	
Roanoke County			TS, L	LG	LG					GF	LG, PB							
Rockbridge County	43,500.00	26,500.00	L	LG	LG, M, H	LG, P		\$260,000		GF	LG, PB	T, WG, HHW				LG, P	3	
Rockingham County	77,578.34		L	LG	M, H		LG				PB		P			LG	4	
Scott County	16,980.00		L	LG		LG	LG			GF	PB	B, YW, D, T, WG, HH	LG			LG		LG
Smyth County	22,500.00	22,500.00	TS	P		LG	LG			DB, UB	LG, PB	B, YW, T, WG				LG		
Southeastern P.S.A	1,000,000.00		TS, L	LG									LG	160,000	E	LG		34
Spotsylvania County	62,050.00	39,936.00	TS, L	LG			LG	\$472,047		GF	PB	HHW	P			LG	11	P
Tazewell County	44,000.00		TS, L	LG, P	LG	LG	LG	\$0		GF, DB	PB, PLG	B, T, WG, HHW				LG		
Town of Appomattox	1,385.35	1,385.35		LG	LG					GF	LG, PB							
Town of Ashland				LG	LG					GF	PB	YW						
Town of Broadway				LG	S			\$37,776		GF	PB		P	850				0
Town of Cape Charles				LG	LG, H			\$14,000	\$132.00	DB, UB	LG, PB	B, YW						
Town of Cedar Bluff			TS	LG	LG				\$72.00	DB	LG	B, WG						
Town of Chincoteague			TS	LG	S	LG, P		\$195,437		GF	PLG	B, YW	LG	3,500		LG	1	
Town of Culpeper	10,000.00	6,500.00	TS	P	LG	LG, P		\$346,076	\$138.00	GF, DB, UB	PLG					LG	2	
Town of Dublin	1,638.05	1,638.05	L	LG	LG	LG, P			\$112.20	DB, UB	LG	YW, D, T	LG	1,051				
Town of Dumfries				LG	S					DB	PB	B, YW, WG	P					
Town of Edinburg	267.26	241.68		LG	S			\$18,000	\$72.00	DB, UB	PB, PLG	B, YW, D, T, HHW	LG	509				
Town of Farmville		3,216.37	L	LG	LG	LG				GF	LG	B, YW, D, T, WG	LG			LG		
Town of Floyd		400.00	TS	P	LG					GF	LG		LG					
Town of Front Royal			TS	P	LG					DB, UB	LG, PB	B, YW, T, WG	LG	5,000		LG		
Town of Glen Lyn	400.00	275.00		LG	LG					DB	LG	B, YW, D, T, WG,						
Town of Gordonsville	11,000.00			LG	S	LG, P		\$32,000	\$48.58	GF	PB	B, YW, D, WG				LG, P, NP		P
Town of Independence	700.00	700.00		LG	LG			\$36,000	\$60.00	DB, UB	LG, PG	B, T, WG				LG		
Town of Ivor			TS	LG	LG					GF	PB							
Town of Montross			TS	P	S				\$102.00	DB	PLG							
Town of Mount Jackson		583.00		LG	S			\$48,000	\$55.00	DB, UB	PB, PLG	B						
Town of Onley				LG	S						PLG	B, YW, D, WG						
Town of Painter				LG	S			\$9,174	\$24.00	GF	PLG	B, YW, T, WG	LG	125	W			
Town of Pennington Gap		1,200.00	TS	P	LG				\$54.00	DB	LG, PB	B, YW, D, T						
Town of Purcellville	1,924.00		TS	LG	S					GF		B, YW	LG		W			
Town of Remington	401.52	360.00	L	LG	S					GF, DB, UB	PB	B, YW, WG			W	LG		
Town of Richlands			TS	LG	LG					DB	LG	B, YW, T, WG	LG		W	LG		16
Town of Rural Retreat		4,000.00	TS	P	LG				\$65.00	GF	PB	YW						
Town of South Boston			L	LG	LG	LG				GF	LG, PB	B, WG			W			
Town of Vienna			TS	LG	LG, S			\$267,914	\$175.00	GF	PB	B, YW, D, T, WG	LG	5,565	W			
Town of Vinton		4,000.00	TS	LG	LG		LG	\$275,589	\$88.50	GF	LG, PB	B, YW, WG	LG	3,016	E	LG		
Town of Warrenton		2,806.35	L	LG	LG			\$389,880		GF	LG, PB	B, YW, T	LG, P		W	LG		
Town of West Point			TS, L	LG	LG					GF	LG, PB	B, YW, WG	LG		W			
Wythe/Bland Joint PSA			TS	LG			LG			GF	PB	B, HHW						
Wythe County	21,759.00	11,122.00	TS	P			LG			GF	PLG	B, YW, D, T, WG, HHW				LG		

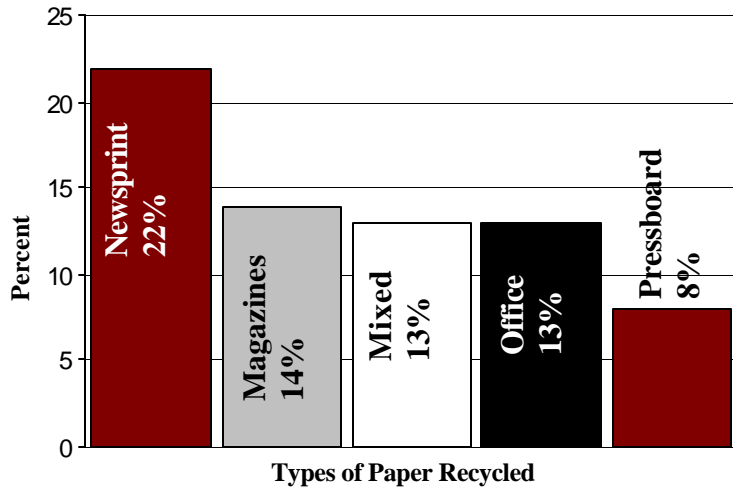
WASTE MANAGEMENT AND RECYCLING REPORT

Annual Amount in Pounds	Tires: Passenger (P), Truck (T), Oversized (O), Unspecified (U), No Answer (N)	Annual Amount in Pounds	White Goods	Annual Amount in Pounds	Other Materials: Waste Oil (WO), Antifreeze (A), Batteries (B), Textiles (T), Paint (P), Household Hazardous Waste (HHW), Phone Books (PB), Steel Rims (SR)	Annual Amount in Pounds	Total Pounds of Recyclables Collected Per Year	Recycling Rate	Facilities and Their Operation <small>Private (P), Local Govt. (LG), Non Profit (NP)</small>					Employees <small>Full Time (FT), Part Time (PT)</small>		
									Materials Recovery Facility	Yard Waste Composting Facility	Tire Shredder	Tub Grinder	Recyclables Hauled Without Processing	Recycling Coordinator	Total Number of Employees	Prisoners Used
	P	195,060	X	1,060,020		20,040	1,526,300	2%			LG	LG				Y
1,841,980	P,T,O	108,820			WO, A	3,000	3,460,880		LG, P	LG			X	PT	3FT, 1PT	Y
140,620	N		X	43,200	WO		519,700	4%								
	U		X				1,398,100	23%				P				
	N		X				111,104,000	35%	P	P		P		FT		N
	P,T,O		X		WO, A					LG	NP				1PT	Y
	P,T		X				760,000				P	P		FT	2FT	Y
	P,T		X		A		8,000	26%								
	N		X				2,465	28%						FT	1FT, 1PT	N
	P,T,O	244,560	X	160,402	WO, B	2,680	1,032,972					P		PT		Y
103,415	P	259,260	X	31,500			590,615						X	PT	8PT	N
	P		X		WO, A		100,000,000	40%	P	P		P				
	T,O	49,200	X	862,000			16,268,400	30%	LG	LG	NP	LG	X	FT	12FT	N
	N		X		WO, A		2,108,000		LG	LG		LG		FT	1PT	N
	N															
165,840	N		X	10,000	WO, A		20,691,447	21%		LG, NP				PT	1FT	Y
122,900	P,T,O	22,100	X	19,000			1,906,000	35%	LG					FT	5FT, 3PT	Y
	N		X		WO					LG						
204,720	P		X		WO, B				LG			LG		PT	2FT, 4PT	N
	N						1,750,000	1%	LG, P					FT	1FT	N
	P	364,000	X	942,400			30,324,344	34%	P	LG, NP		LG		FT	3FT	N
	P		X		WO		1,520,000	2%	LG, P		LG, P			FT	11FT, 1PT	Y
	P,T		X		WO, A		4,542,000	41%				LG		PT	3FT	N
	U	31,960	X		WO	18,880										
	P		X													N
	N															
199,500	P,T,O		X		WO, B		7,759,300			LG				PT		N
	P,T,O		X		WO, A						LG	LG		PT	1PT	N
	N		X	3,644,952			3,707,978	8%							12FT	N
	N															
	P		X					58%	P	LG	LG	LG		FT	2FT	
	N						1,290,160	29%								N
310,000	N		X				6,380,820	28%	P	LG	LG	LG	X	FT	14FT	Y
	N		X													Y
	P,T,O		X		WO, A											
	P,T,O		X				614,780	19%						PT	4PT	N
	P,T,O		X		WO, A											N
	N															
87,006,000	P,T	7,058,000	X		WO, A, T	42,092,000	610,596,000	35%	P	LG, P		LG, P		FT	15FT, 4PT	N
3,769,151	P,T,O	257,220	X	1,769,179	WO, A, T, B	153,748	270,223,406	33%						FT	5FT	N
330,000	P,T,O	160,000	X	24,000	WO	26,000	1,140,000		LG						2FT, 2PT	Y
900,000	P,T,O		X	906,680	WO	2000 gal.	1,952,000	17%			LG			PT		Y
	P,T,O		X		WO			25%							1FT	
	P,T	580,450	X	12,000,000	WO, A, SR	4,101,330	12,292,500	31%			LG			FT	1FT	N
3,079,560	N		X		WO	126,947	18,614,007	25%	P	LG, P		P		PT	10FT	N
5,280,000	P,T,O	44,000	X	180,000	WO, A	104,580	8,102,034	30%	LG, NP	LG		P		FT	6PT	Y
	P,T		X		WO, A				P	LG		P				Y
2,500,000	P,T,O	500,000	X		WO, A HHW	260,000	56,060,000	26%	P	LG, P		P			3FT, 7PT	Y
	U		X	207,035			260,000							PT	4FT	N

Recycling Statistics

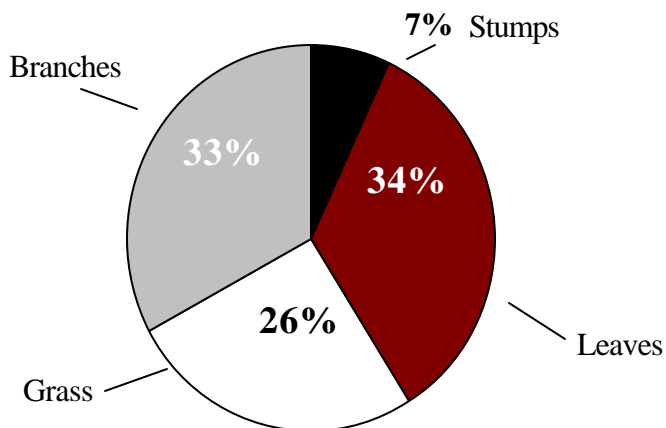
Of the localities that reported a recycling program, paper was the most common material recycled. The following bar chart breaks down the categories of paper reported in the survey. The other charts on this page show commonly recycled materials and pertinent facts as reflected by this survey.

Paper

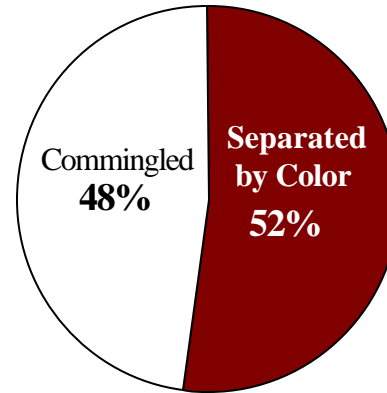


Yard waste

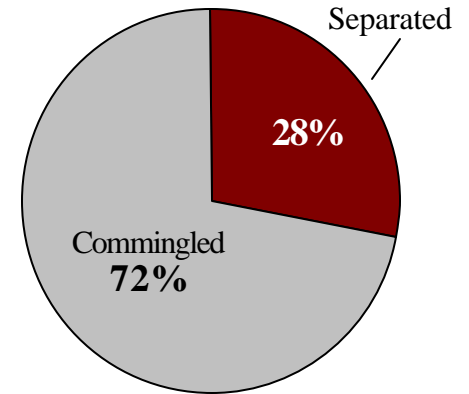
Of the respondents reporting yard waste programs, the following chart illustrates the materials managed.



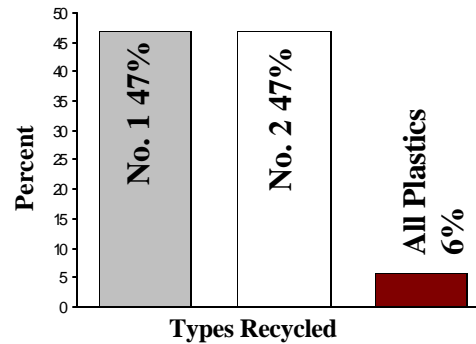
Glass Collection



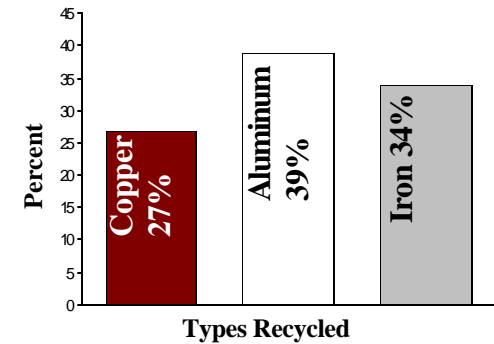
Can Collection



Plastics Collection



Bulk Metals Collection



Survey Summaries

Twenty-six localities reported using material recovery facilities, 50% of which were public and 50% private. Yard waste composting was reported by 25% while 27% reported a usage of tire shredders. Tub grinders are used by 36% of our survey respondents.

Note: The information in this report was provided by respondents to a survey and is believed to be correct. However, Draper Aden Associates does not warrant the accuracy of this information.

Cardboard

