

2004 Annual Report on Solid Waste Reduction and Recycling in Fort Collins

RESIDENTIAL CURBSIDE RECYCLING PARTICIPATION

December 1991 through December 2004

Residential Curbside Recycling Participation				
Population	Year	# Total Single-Family Homes	# Single-Family Homes Recycling	% Homes Recycling
88,439	Dec 91	21,368	3,843	18%
91,117	Dec 92	21,913	4,839	22%
93,181	Dec 93	22,660	8,501	38%
95,899	Dec 94	23,552	8,892	38%
99,726	Dec 95	24,488	14,813	61%
102,569	Dec 96	25,444	20,497	81%
106,466	Dec 97	26,435	22,633	86%
108,981	Dec 98	27,138	23,327	86%
112,912	Dec 99	28,527	23,668	83%
117,280	Dec 00	29,671	24,799	84%
122,377	Dec 01	30,589	24,526	80%
126,848	Dec 02	31,766	30,764	97%
130,464	Dec 03	32,719	32,110	98%
134,128	Dec 04	33,683	26,929	83%

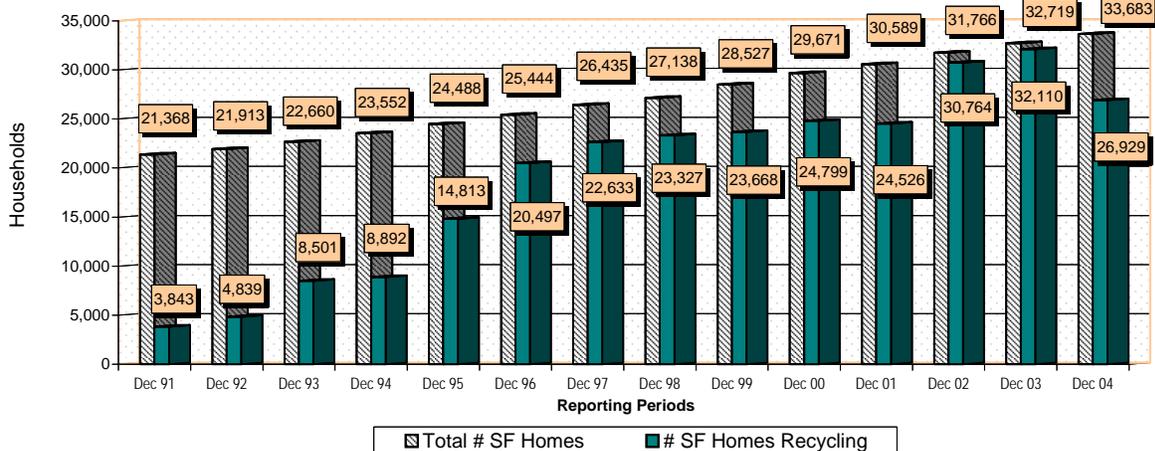
# Multi-Family Recycling Customers	% Commercial Customers Recycling *
na	na
na	4%
83	7%
68	15%
42	14%
94	16%
59	17%
59	17%
104	18%
305	17%
371	12%
235	29%
207	22%
168	18%

* based on number of licensed businesses

RECYCLING MILESTONES

- June 1, 1991 -- Ordinance requires trash haulers to provide recycling service (not "for free") to customers who desire the service.
- December 1, 1992 - Larimer County Recycling Center opens.
- January 1, 1993 - All trash haulers in Larimer County are required to charge customers for the amount of trash disposed. Flat fees are no longer allowed.
- October 1, 1995 - Ordinance requires trash haulers to provide weekly recycling collection as part of basic trash collection service.
- January 1, 1996 - Ordinance requiring volume based rates becomes effective. Haulers permitted to establish a flat monthly base fee to recover fixed costs.
- December 1999 - Resolution adopted to increase City's waste diversion goal to a 35% rate by 2004, and a 50% diversion goal by 2010.
- March 7, 2000 - Amendments made to the ordinance pertaining to procedural and document retention requirements.
- April 20, 2004 - Amendment to ordinance clarifying that pay-as-you-throw system applies to group accounts, including homeowner associations.

**Residential Curbside Recycling Participation
December 1991 to December 2004**



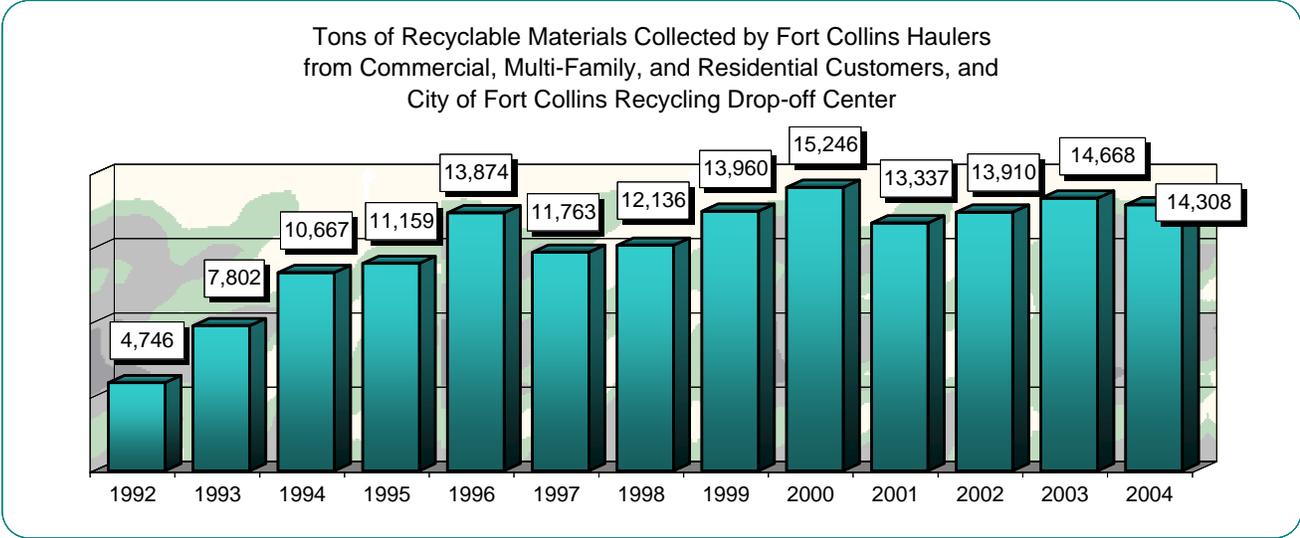
GOAL INDICATOR: 80-90 Percent participation in residential curbside recycling services.

MEASUREMENT SOURCE: Semi-annual tonnage reports from local solid waste haulers, and 2000 census data from City Planning Department.

Curbside Recycling Participation: The number of single-family households increased by 2.9% during 2004, while the number of single-family households recycling at the curb decreased by 15% from December 2003 to December 2004.

2004 Annual Report on Solid Waste Reduction and Recycling
Reported by Fort Collins Haulers
TONS OF RECYCLABLE MATERIALS COLLECTED (wood & yard waste not included)
 January 1992 through December 2004

Reporting Period	Total Tons Per Year	City Recycling Drop-off Site Tonnage	Total Tons per Year Including Drop-off	% Increase or Decrease from Previous Year
1992	4,746		4,746	
1993	7,802		7,802	+64.4%
1994	10,667		10,667	+36.7%
1995	11,159		11,159	+4.6%
1996	13,874		13,874	+24.3%
1997	11,763		11,763	-15.2%
1998	12,137		12,137	+3.2%
1999	13,960		13,960	+15%
2000	15,246		15,246	+9.2%
2001	13,337		13,337	-12.5%
2002	13,063	847	13,910	+4.3%
2003	13,297	1,371	14,668	+5.5%
2004	12,718	1,590	14,308	-2.5%



Tons of Recyclable Materials Collected by Fort Collins Haulers from Commercial, Multi-Family, and Residential Customers, and City of Fort Collins Recycling Drop-off Center

Year	Total Paper Mix *	Total Commingled	Total OCC	Yearly Total
1998	5,202.39	3,223.60	3,710.53	12,136.52
1999	7,092.16	2,789.87	4,076.87	13,958.90
2000	8,014.81	3,060.75	4,170.84	15,246.40
2001	6,511.74	3,117.56	3,707.94	13,337.24
2002	5,867.72	3,576.47	4,460.92	13,905.11
2003	6,175.75	3,971.91	4,520.25	14,667.91
2004	6,340.59	3,594.80	4,372.16	14,307.55

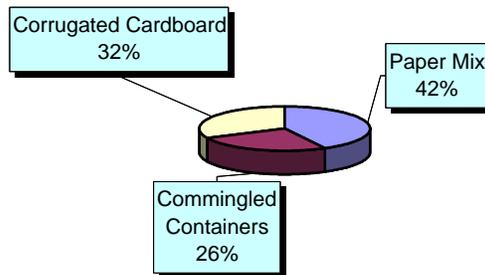
*includes newspaper, #7 ONP, office paper, junk mail, paperboard, magazines & catalogs

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BREAKDOWN OF RECYCLABLE MATERIALS COLLECTED
IN CURBSIDE PROGRAM AND AT DROP-OFF LOCATIONS IN FORT COLLINS
BY HAULERS (Residential and Commercial)

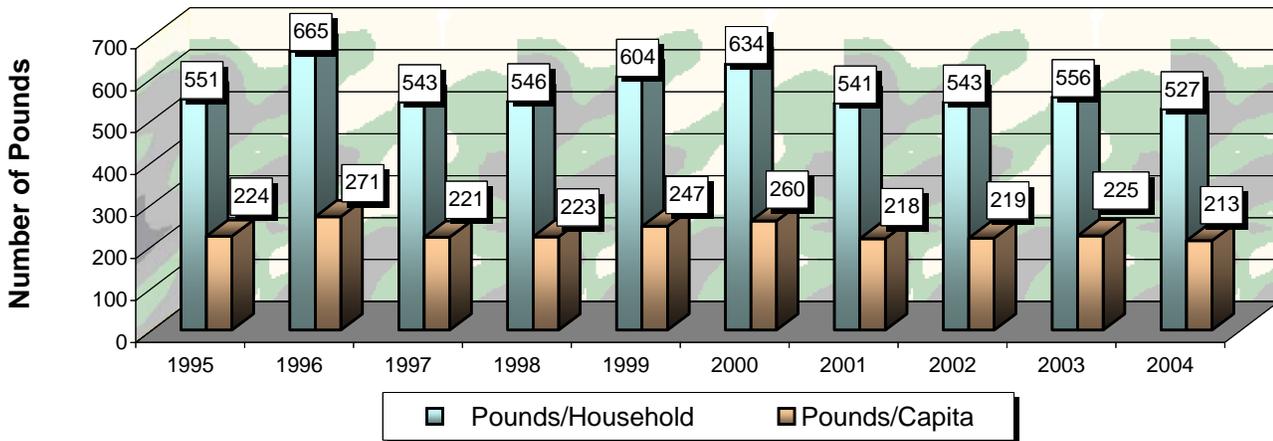
Material	Number of Tons		
	January-June 2004	July-December 2004	TOTAL
Paper Mix*	2,743	2,609	5,352
Commingled containers	1,723	1,577	3,300
Corrugated cardboard	1,978	2,087	4,065
TOTAL TONS	6,444	6,273	12,717

Material	Number in Cubic Yards		
	January-June 2004	July-December 2004	TOTAL
Construction Wastes (cubic yards)	5,490	4,010	9,500
Yard Wastes (cubic yards)	290	745	1,035
Wood Wastes (cubic yards)	1,692	2,620	4,312
TOTAL CUBIC YARDS	7,472	7,375	14,847

Tons of Recyclables Collected by Commodity (excluding wood & yard waste)
 January - December 2004



Annual Pounds of Recyclables Collected Per Capita and Per Household (includes residential and commercial sources, City Recycling drop-off volumes; excludes yard and wood wastes)



*Paper Mix includes OMX and #7 ONP

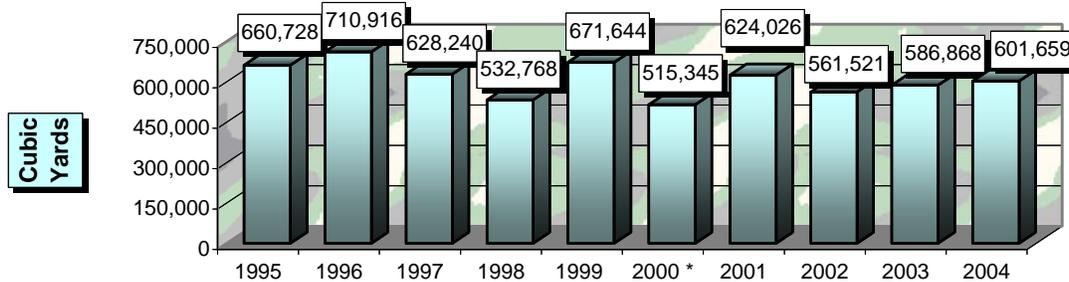
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CUBIC YARDS OF SOLID WASTE LANDFILLED (Reported by Haulers)

June 1995 - December 2004

	1995	1996	1997	1998	1999	2000 *	2001	2002	2003	2004
Hauler 1	453,880	417,994	400,328	316,485	368,705	157,209	187,846	187,329	199,962	193,429
Hauler 2	119,578	217,964	154,070	142,106	201,813	236,509	236,810	234,057	226,176	243,393
Hauler 3	44,201	36,788	36,550	36,130	36,006	35,609	33,997	33,206	33,015	32,934
Hauler 4	23,480	22,860	25,300	25,680	26,722	26,698	26,895	27,080	27,435	27,260
Hauler 5	5,674	5,508	5,306	4,318	3,669	2,467				
Hauler 6	13,915	9,802	6,686	8,049	27,619	35,166	113,591	46,885	23,596	23,357
Hauler 7					3,008	6,624	12,264	13,063	15,979	17,390
Hauler 8					150	210	300	0	0	0
Hauler 9					3,952	9,456	6,011	18,148	49,060	43,300
Hauler 10						2,817	2,601	577	1,496	618
Hauler 11						2,580	3,711	1,176	1,094	853
Hauler 12						0	0	0	1,280	5,670
Hauler 13									7,775	11,715
Hauler 14										1,740
TOTAL MSW Cubic Yards	660,728	710,916	628,240	532,768	671,644	515,345	624,026	561,521	586,868	601,659
Conversion to Tons: 3cy/ton	220,243	236,972	209,413	177,589	223,881	171,782	208,009	187,174	195,623	200,553
% Increase / Decrease		+7.6%	-11.6%	-15.2%	+26.1%	-23.3%	+21.1%	-10%	+4.5%	+2.5%
Using EPA conversion rates ("midpoint") to tons**						166,134	198,285	184,602	188,364	194,492

* Staff believes numbers are a reporting error



Solid Waste Landfilled by Fort Collins Haulers (Commercial/Residential Customers)

Total MSW Reported by Haulers by Type (in Cubic Yards)

Method of Collection	2000		2001		2002		2003		2004	
	Cubic Yards	Tons **								
Compacted Residential	262,771	98,539	292,255	109,596	300,982	112,868	277,359	104,010	120,812	45,305
Compacted Commercial	-	-	-	-	-	-	-	-	182,692	68,510
Roll-off Compacted	71,769	26,913	93,605	35,102	87,419	32,782	98,098	36,787	90,622	33,983
Roll-off Loose	180,805	40,681	238,166	53,587	173,120	38,952	211,411	47,567	207,533	46,695
TOTAL Cubic Yards / Tons	515,345	166,134	624,026	198,285	561,521	184,602	586,868	188,364	601,659	194,492

GOAL INDICATOR: Decrease volume of Fort Collins wastes disposed at landfills by 35% by 2004, and 50% by 2010

MEASUREMENT SOURCE: Semi-annual tonnages report from local solid waste haulers.

**EPA - MSW (Compacted in Truck) 500-1000 lbs/Cu.Yd. Midpoint =750) (Factor = 0.25-0.50, Midpoint =0.375)

EPA - MSW (Uncompacted 300-600 lbs/Cu.Yd. Midpoint =450) (Factor =0.15-0.30, Midpoint =0.225)