



Thank you for recycling!!!

Date: January 12, 2010

## RECYCLING UPDATE

From 1/1/2009 to 12/31/2009, City of Fort Collins collected 165 tons of recyclable materials -- the equivalent of a regulation sized football field covered .18 feet deep!!!

	2009	2008		
Paperboard	50	0	pounds	50 more pounds!!!
Mixed paper (office pack)	170,305	0	pounds	170305 more pounds!!!
Newspaper	11,055	0	pounds	11055 more pounds!!!
Cardboard	72,006	0	pounds	72006 more pounds!!!
Paper records destroyed	11,585	0	pounds	11585 more pounds!!!
Comingled containers	62,700	0	pounds	62700 more pounds!!!
Aluminum	2,119	0	pounds	2119 more pounds!!!
Styrofoam bags	21	0		21 more !!!
PCs	1	0		1 more !!!
Printers	3	0		3 more !!!

### Paper Recycling:

- The paper you recycled was used to make new paper products.
- Using recycled paper to make more paper reduces the need for virgin raw materials.
- Recycled paper requires less water and uses less energy.
- This year you recycled 265,001 pounds of paper
- Through your paper recycling, you helped to save:
  - 2,252.51 trees (each 35 feet tall)
  - 397.5 tons of wood
  - 927,503.5 gallons of water (enough to fill 1,855.01 six-person hot tubs)
- Manufacturing 265,001. pounds of paper WITHOUT using recycled paper would have generated 7,950.03 pounds of air pollution

### Co-mingled Recycling:

- This year you recycled 64,819 pounds of comingled containers (glass, aluminum, etc).
- Through your recycling, you helped to save:
  - 32,409.5 pounds of natural resources
  - 43,104.64 pounds of sand
  - 14,033.31 pounds of soda ash
  - 4,893.83 pounds of feldspar
  - 14,033.31 pounds of limestone
  - 12,445.25 pounds of mining waste NOT NEEDED!

### Landfill Space:

- By recycling 329845 pounds of materials, you
  - saved 17,114.01 gallons of oil
  - diverted 164.92 tons of reusable raw materials from the waste stream
  - saved 54.97 cubic yards of landfill space
  - saved 1,154,457.5 gallons of water (38,481.92 30 gallon bath tubs)
  - saved 21. cubic yards of landfill space for recycling your bags of styrofoam

### Environmental Impact:

- By recycling 329845 pounds of materials, you
  - saved 17,114.01 million BTUs of energy, or 142,616.73 gallons of gas
  - prevented 164.92 tons of greenhouse gas emissions

*Thank you for recycling in 2009!*

## ***Green Girl Totals and Notes***

***Total weight / 2000 = Total tons***

***Total tons \* 3.2 = cubic yards***

***Plastic bags & peanut bags are 7 cubic yards each (5' square)***

***Football field is 100 yards long, 30 yards wide***

***Divide total cubic yards by 3000 to get height of waste***

***Paper includes: OP, Newspaper, OCC & DataD***

***Comingle includes: CM & Aluminum***

***Total Weight (pounds):*** 329,845.00

***Total Weight (tons):*** 164.92

***Total Plastic Bags:*** 0.00

***Total Peanut Bags:*** 0.00

***Total Cubic Yards:*** 527.75

***A ton is 2000 pounds***

***One ton of paper = 17 trees***

***One ton of paper = 3 tons of wood***

***One ton of paper = 60 pounds of air pollution saved***

***One ton of comingles = 1000 pounds of natural resources***

***One ton of comingles = 1330 pounds of sand***

***One ton of comingles = 433 pounds of soda ash***

***One ton of comingles = 151 pounds of feldspar***

***One ton of comingles = 433 pounds of limestone***

***One ton of comingles = 384 pounds of mining waste not needed***

***Each ton of materials = 7000 gallons of water***

***For businesses: Total pounds of comingled / .75 pounds per glass = # glass bottles***

***For residences: 80% of the pounds of comingled / .75 pounds per glass bottle = # glass bottles***

***# glass bottles \* 4 = # of hours that the 100 watt bulb will glow.***

***One aluminum can = 3/4 ounce.***

***1 bag of plastics = 3' x 3' x 3' for commercial, 1' x 1' x 1' for residential***

***1 bag of peanuts = 3' x 3' x 3' for commercial, 1.5' x 1.5' x 1.5' for residential***

***gas = 115,000 - 125,000 BTUs per gallon***

***fuel oil = 140,000 BTUs per gallon***

***3,412 BTUs = 1 KWh***

***Thank you for recycling in 2009!***