

There's a new
milk man in
town!



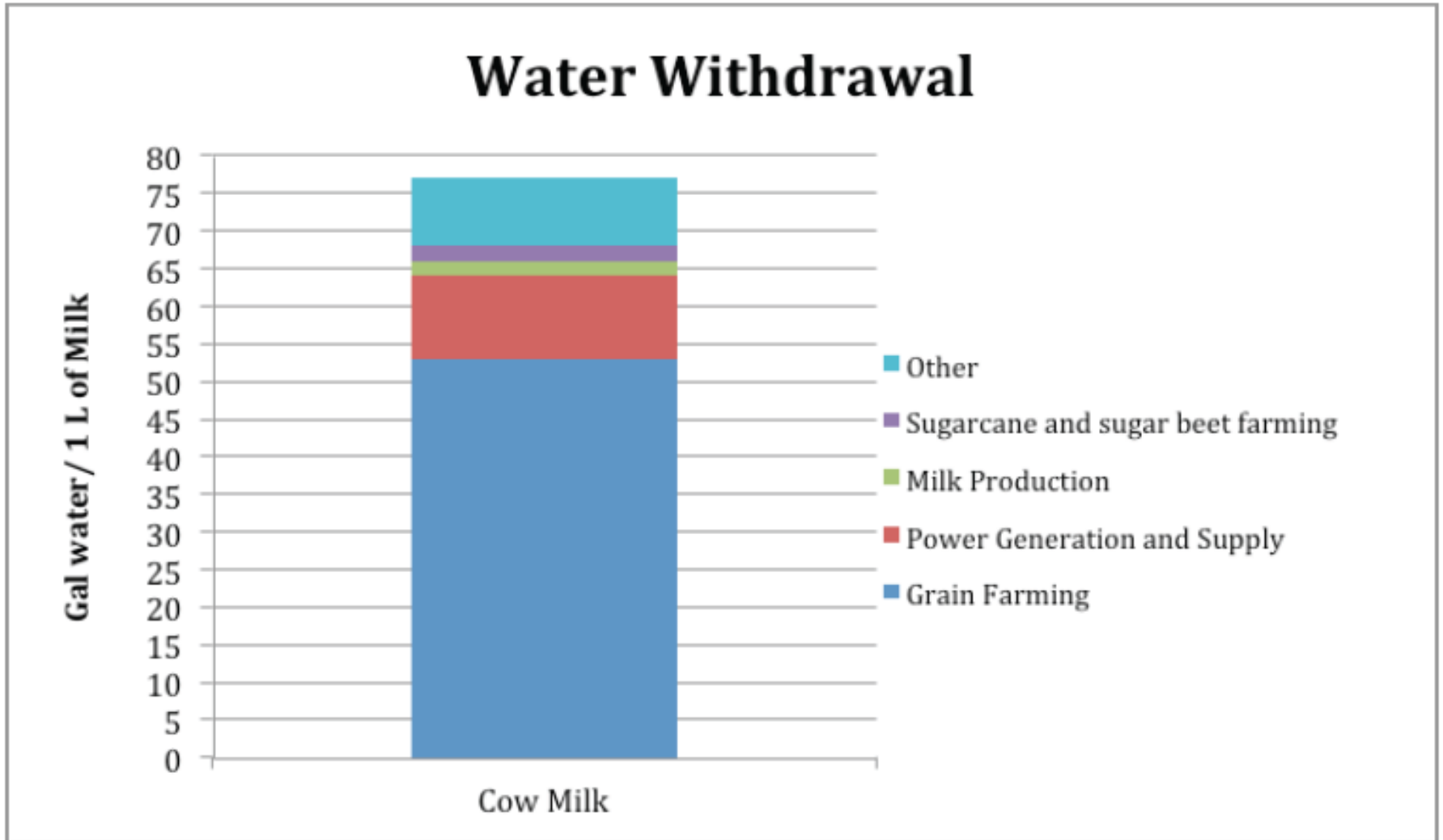
Milk Carton Waste

- Surveys returned by Woodburn, Silver Falls, St. Paul & Cascade School Districts.
- Only counting the 22 of the schools with dishwashers, these schools use 1.6 million cartons/year.
- These 4 districts represent 12,133 (19.5%) of the 62,270 students in public schools in Marion County.
- Students in K-12 public schools = 18.25% of total Marion County residents

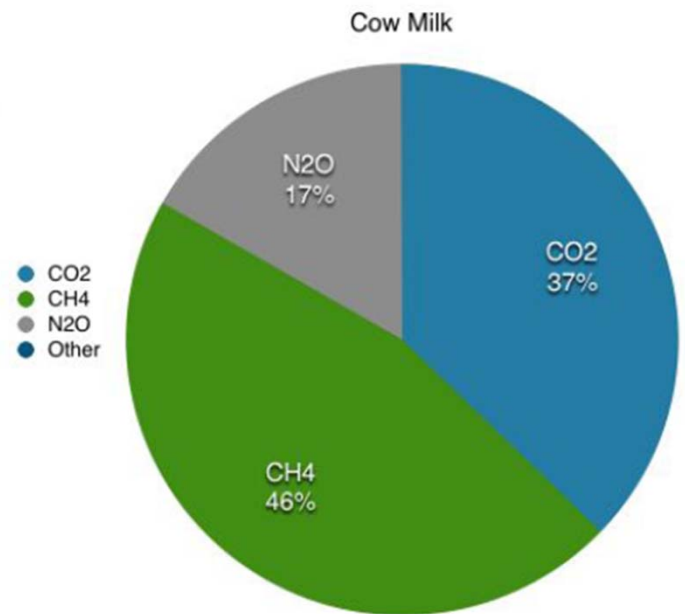
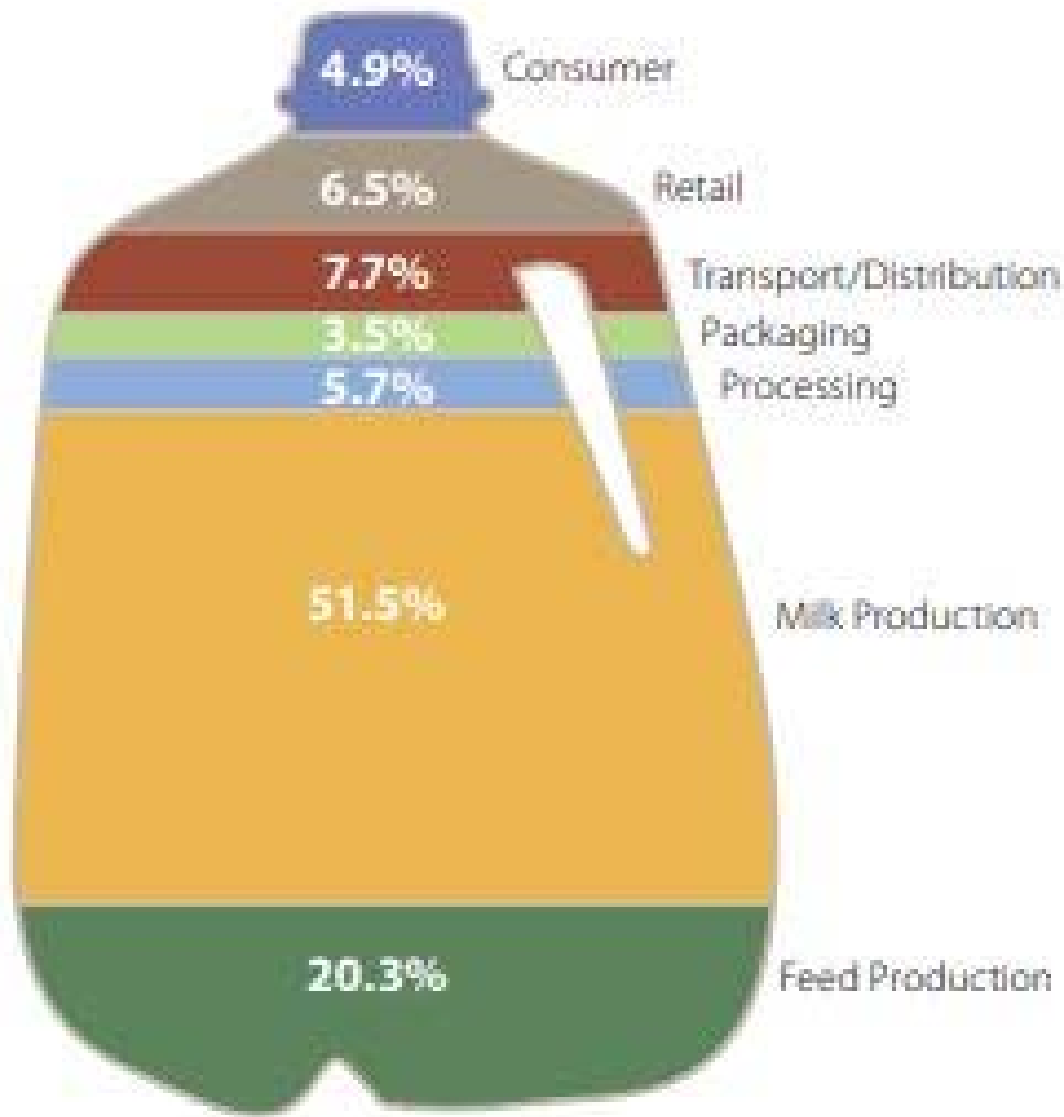
Dairy LCA: Understanding Dairy's Impact from Grass to Glass



It takes 291.5 gallons of water to make 1 gallon of milk.



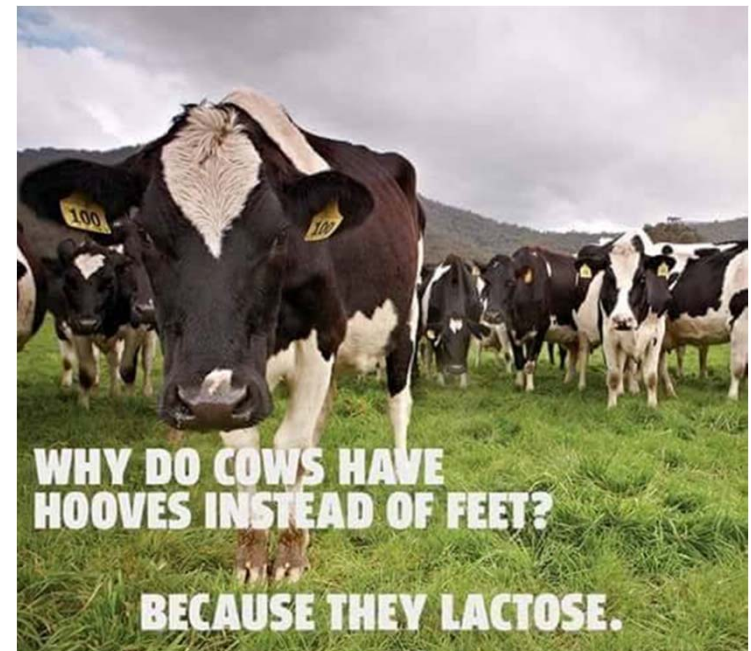
U.S. Fluid Milk Carbon Footprint



DEQ Grant

(E) Project Budget and Summary	DEQ Grant Funds Requested	Matching Funds (if applicable)	Total Costs
A. Personnel Services	\$0	\$0	\$0
B. Professional Services	\$0	\$0	\$0
C. Services and Supplies		\$10,000	\$10,000
D. Capital Outlay	\$76,721.76	\$5,000	\$81,721.76
E. Total DEQ Grant Funds Requested	\$76,721.76		
F. Total Matching Funds Committed to the Project		\$15,000	
G. Total Project Cost			\$91,721.76

- 12-15 milk dispensers
- Cups
- Dishwasher racks/dollies/stand
- Durable trays
- Washable utensils
- Education
- Grant winners announced in mid-December
- Focus on smaller school districts
- Interest from SKSD



Benefits

- Less wasted milk
- No carton waste
- Kids drink more milk because it tastes better
- Kids drink more white/less chocolate milk (less sugar)
- Vehicle for waste reduction education
- Schools may save money, especially if switching from disposable trays/boats to durables
- Schools may save on disposal costs
 - 50% of school lunch trash is milk cartons

- Cartons are often thrown away half-full, adding to the weight of the garbage and contributing to injuries and messes when waste is carried out.
- Without cartons in the garbage, trash cans do not fill as quickly and custodians don't have to empty the trash as often, which saves time and trash bags.
- Milk carton recycling is no longer available.
- Milk dispensers are more energy efficient than coolers for milk cartons which may reduce school energy bills.













- 7% of all American adults believe that chocolate milk comes from brown cows.
- That works out to 16.4 million people which is 4 times the number of people in Oregon.
- The equivalent number of people do not know that chocolate milk is milk, cocoa and sugar.





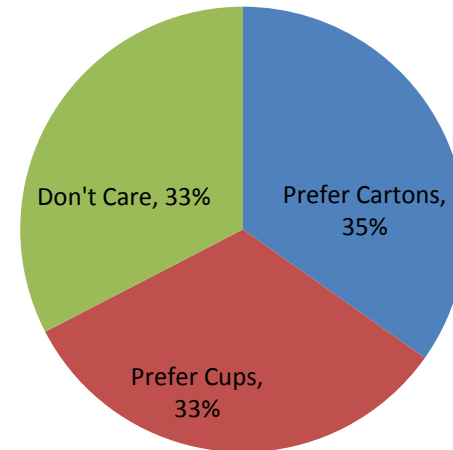


Tell me what you think!

Silverton Middle School Students Prefer (138 surveys)

Why Prefer Cups?

- Milk in cups tastes better - 11
- Cups reduce trash - 5
- Easier to get the amount you want so you waste less milk - 5
- Feels more natural to drink out of a cup - 5
- Cartons can be hard to open - 4
- Cups can be refilled - 3
- Better for the environment - 3
- Cups save the school money - 2
- Cleaner - 2
- Milk in cups is healthier.
- Milk doesn't get icy like it does in cartons.



Why Prefer Cartons?

- Taste better - 12
- Cartons don't spill as easily - 12
- Cartons seem cleaner (germs) - 7
- Easier to grab &/or carry - 4
- Don't have to clean them - 3
- Cups mean waiting in line - 2
- The milk in the dispensers can run out.

180 Milk Cartons a Year (1/student/lunch)





Silverton Middle School

- Pre Audit

- 8.5 gallons milk sold
- 1.4 gallons wasted (16%) = 252 gallons wasted/year
- 136 cartons (90% chocolate)
- 21 gallons/day of carton garbage
- 18.7 cubic yards of garbage/year



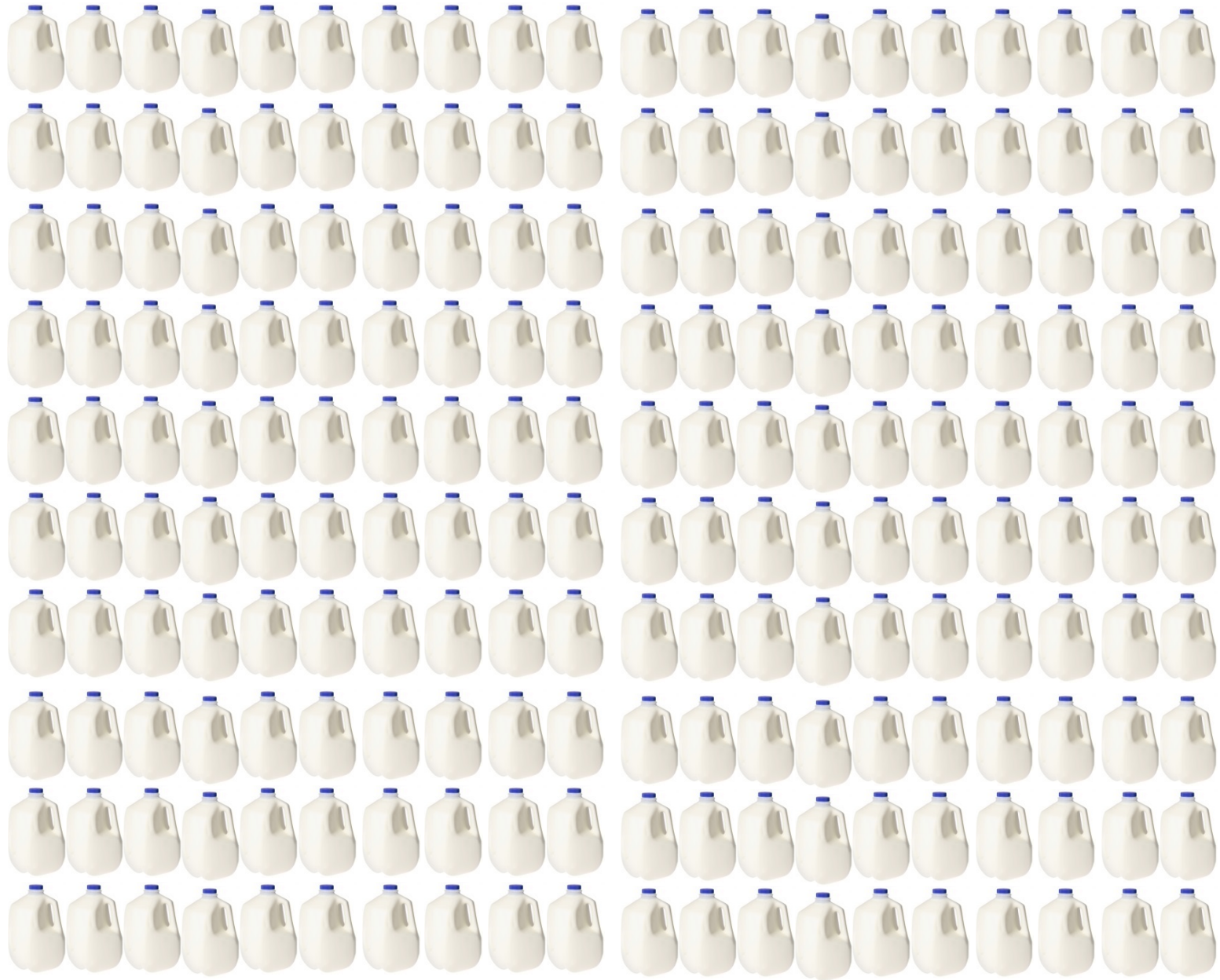
- Post Audit

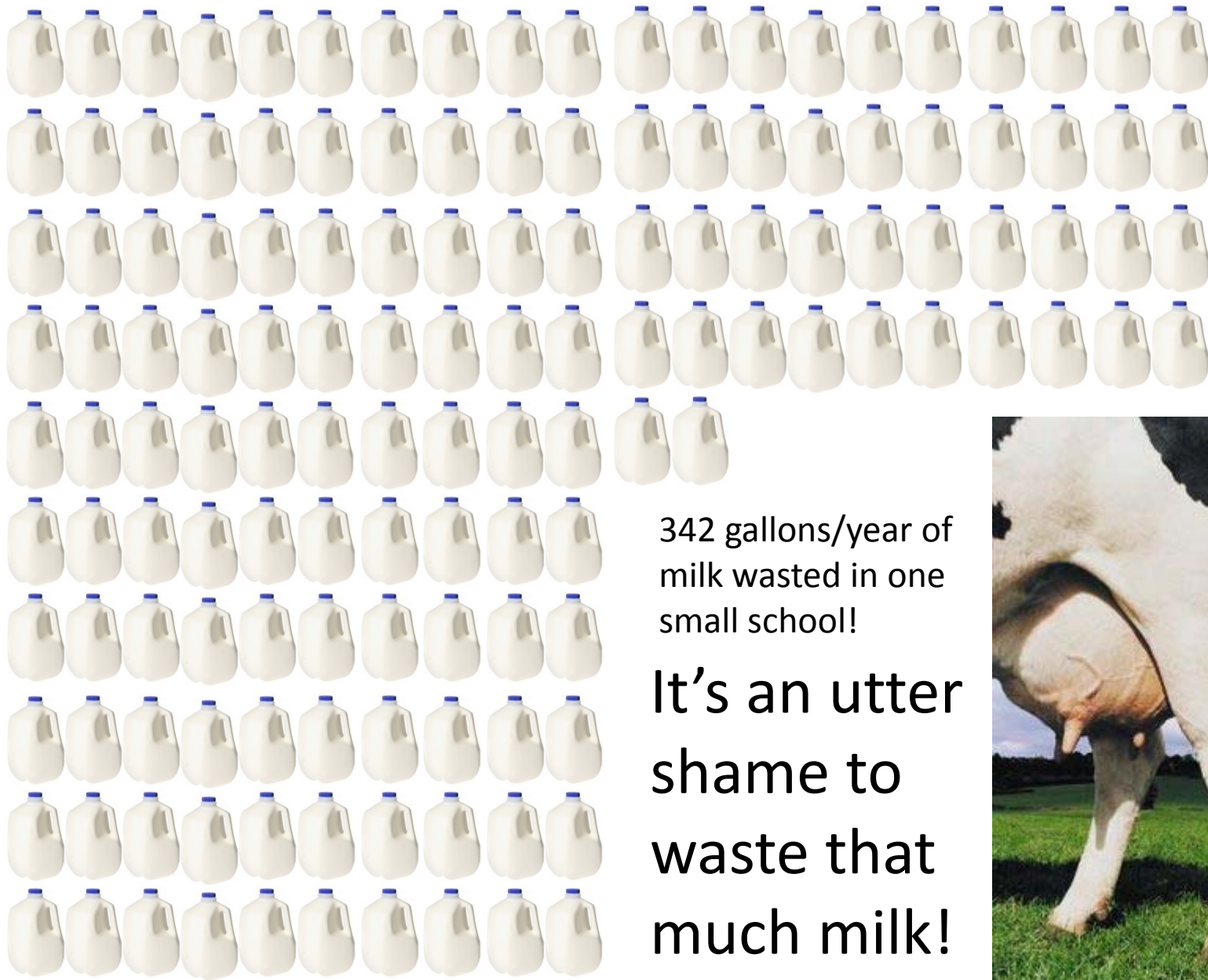
- 9.7 gallons sold
- 0.19 gallons wasted (2%) = 34.2 gallons wasted/year
- 18.7 cubic yards less garbage/year



Scotts Mills

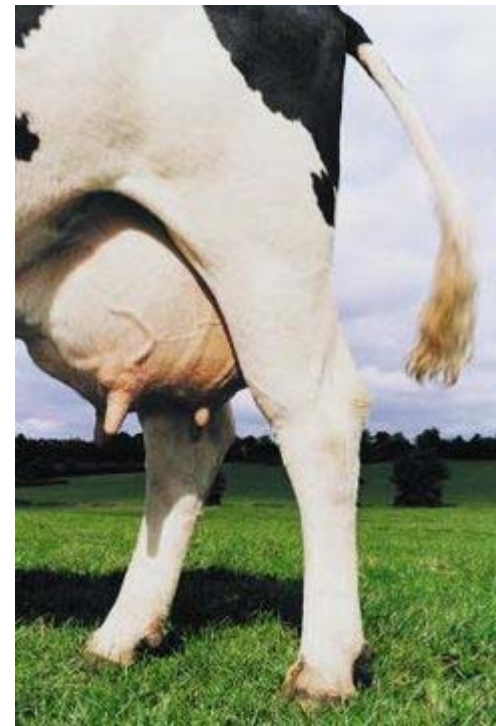
- 4.4 gallons milk sold
 - Audit #1: 1.9 gallons wasted (43%) = 342 gallons/year
- 70 cartons (90% chocolate)
- 11 gallons/day of carton garbage
 - 1,980 gallons/year = 10 cubic yards/year





342 gallons/year of
milk wasted in one
small school!

It's an utter
shame to
waste that
much milk!





~~DON'T~~ CRY OVER
WASTED MILK DAY

FEBRUARY 11

Sustainability Captains

- \$1,000 stipend
- OGS certified
- Green Team
- Assist with dispenser program
- Waste audits
- Facilitate assemblies
- Field trips
- Waste reduction lessons





OREGON Green Schools

WWW.OREGONGREENSCHOOLS.ORG



Resources for Schools

RECYCLE CONTAINERS

EMPTY ALL BOTTLES

ALWAYS RECYCLE CANS

CLEAN OUT CANS

REMOVE LIDS

REDUCE WASTE!
• Use a refillable water bottle

ALWAYS RECYCLE THESE ITEMS

PAPER OR CARDBOARD

METAL CANS

PLASTIC BOTTLES & TINS

Combinet? Please call 800-763-5100

RECYCLE PAPER

NOTEBOOKS, SPIRAL OK

COLORED PAPER OK

PHOTO BOOKS AND PAPERBACKS

STAPLES, CLIPS OK

REDUCE WASTE!
• Use both sides of a piece of paper before recycling

ALWAYS RECYCLE THESE ITEMS

PAPER OR CARDBOARD

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LANDFILL

PACKAGING FOAM

PLASTIC BAGGIES

PAPER PLATES & UTENSILS

PIZZA BOXES

FROZEN FOOD BOXES

PAPER TOWELS

TO-GO CONTAINERS & CLAMSHELLS

TO-GO CUPS & LIDS

RECYCLE THESE ITEMS

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Clear Stream



Paper recycling bin



Bottle and can recycling container

Classroom Party Kits



Classroom party kits use durable products to reduce disposable items.

Water Bottle Filling Stations & Bottles



Hand Dryers



Classroom Kits & Presentations

Example:

- Textiles and environmental impacts
- Make every thread count
- STEAM connections
- Reuse message w/ used shirts



School Assemblies & Displays



Recycling 101 in High Schools



Small steps have **big impacts**

Recycling 101 Certificate:
GO BEYOND THE BASICS



ASSOCIATION of
**OREGON
RECYCLERS**

Enroll today:
tiny.cc/recycling-101



**Oregon State
University**



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