

# FUEL

## The Recycling Connection



Recycling 1 ton of plastic saves the equivalent of 3.85 barrels of oil.

--NAPCOR & Environmental Protection Agency, *October 1998*



Recycling 23 aluminum cans conserves 1 gallon of gasoline. --Wisconsin Dept. of Natural Resources, *March 1999*



Recycling 1 ton of used oil filters recovers up to 60 gallons of used oil.

--California Integrated Waste Management Board, *July 2001*



Recycling 1 ton of glass saves 10 gallons of oil.

--Wisconsin Dept. of Natural Resources, *March 1999*



100 gallons of used oil can be re-refined to produce 80 gallons of new lubricating oil. --Oil Re-Refining Company, *May 2002*

Local recycling contact:

**HOT  
Topics**

presented by the  
**WSRA Education  
Committee**



**Washington State  
Recycling Association**

6100 Southcenter Blvd., Suite 180  
Tukwila, WA 98188-2486

206.244.0311 [www.wsra.net](http://www.wsra.net)

*Place local contact  
info sticker here*

## Use the conversion factors and formulas below to determine how much FUEL your organization saves by recycling

Recycling 1 ton of plastic saves the equivalent of 3.85 barrels of oil.

$(X \text{ tons plastic}) \times (3.85 \text{ barrels oil/ton}) = \# \text{ barrels oil saved by recycling plastic}$

Recycling 1 ton of aluminum saves 2,350 gallons of gasoline. (23 aluminum cans conserve 1 gallon of gasoline)

$(X \text{ tons of aluminum}) \times (2,350 \text{ gallons gasoline/ton}) = \# \text{ gallons gasoline saved}$

Recycling 1 ton of used oil filters recovers up to 60 gallons of used oil.

$(X \text{ tons oil filters}) \times (60 \text{ gallons oil/ton}) = \text{maximum } \# \text{ gallons oil recovered from used filters}$

Recycling 1 ton of glass saves 10 gallons of oil.

$(X \text{ tons glass}) \times (10 \text{ gallons oil/ton}) = \# \text{ gallons oil conserved by recycling glass}$

100 gallons of used oil can produce 80 gallons of new lubricating oil.

$(X \text{ gallons used oil}) \times (0.8 \text{ gallons new oil/gallon used oil}) = \# \text{ gallons new oil produced by refining used oil}$

### Industry Contacts for this **HOT TOPIC**

**Dwaine Annala**  
*Oil Re-Refining Co.*  
800.367.8894  
[www.oilrerefiningco.com](http://www.oilrerefiningco.com)

**Don Kneass**  
*NAPCOR (plastics)*  
206.219.1500  
[donkneass@napcor.com](mailto:donkneass@napcor.com)  
[www.napcor.com](http://www.napcor.com)

**Chris Stevens**  
*Mohawk Lubricants*  
604.924.2706  
[cstevens@mohawklubes.com](mailto:cstevens@mohawklubes.com)  
[www.mohawklubes.com](http://www.mohawklubes.com)

**Sherrey Hankins**  
*NW Tire Recycling Products*  
866.866.8588  
[shwtire@charter.net](mailto:shwtire@charter.net)

### Visit these websites for more information on the environmental benefits of recycling

- National Recycling Coalition -- [www.nrc-recycle.org/member/advocacy/rworks/calculator.htm](http://www.nrc-recycle.org/member/advocacy/rworks/calculator.htm)
- Environmental Protection Agency -- [www.epa.gov/globalwarming/actions/waste/index.html](http://www.epa.gov/globalwarming/actions/waste/index.html)
- Northeast Recycling Council -- [www.nerc.org/fsheets/index.html](http://www.nerc.org/fsheets/index.html)