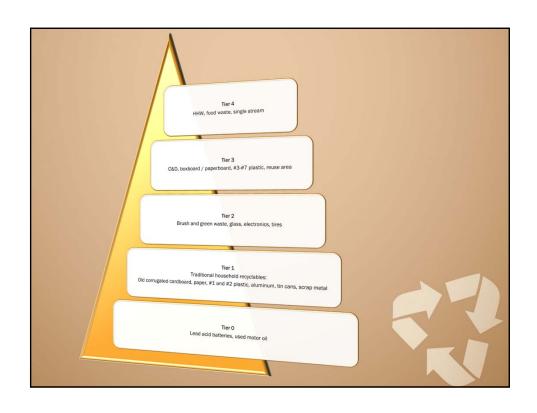


### "TRADITIONAL" "NON-TRADITIONAL" □ Food □ Plastic □ Yard trimmings □ Paper □ Animal carcasses □ Cardboard □ Paperboard □ Tires ■ Batteries □ Glass ■ Motor oil/antifreeze □ Aluminum cans □ Concrete/asphalt □ Steel/tin cans □ Lumber □ Electronics ■ Much more



### TIER 0 - MOTOR OIL

- □ Landfilling prohibited in New Mexico
- □ Re-refined into motor oil equal to quality of virgin motor oil
  - □ One gallon used oil → 2.5 quarts new motor oil
  - $\square$  42 gallons crude oil  $\rightarrow$  2.5 quarts new motor oil
  - $\hfill \square$  Uses 1/3 of the energy as using crude oil
- □ Used in oil burning furnaces & power plants
- Motor oil NEVER wears out!

## MOTOR OIL

- □ 11% of motor oil from DIY jobs is recycled.
  - □ 100% would power 360,000 homes for a year or provide 96 million quarts of high grade motor oil.
  - □ 40% of pollution in U.S. waterways is from used motor oil.
- □ Safety/environmental protection
  - Keep covered
  - Use secondary containment
  - □ Keep away from ignition sources or fuel (wood sheds, recyclables, etc.)
  - □ Design so public can dispose without using steps/ladder
- □ Transport offsite regularly.





# TIER O - ENGINE COOLANT

- □ Landfilling prohibited in New Mexico
- □ Processed back into engine coolant of equal quality (or better) as virgin coolant
- □ Less expensive for manufacturers
- □ Same safety & storage considerations as motor oil



### TIER O - LEAD ACID BATTERIES

- □ Landfilling prohibited in New Mexico
- □ Design storage for forklift, if possible.
- □ If storing on shelves,
  - □ Ensure shelving is designed to hold heavy items.
  - Do not overload.
- Cracked/leaking batteries are a hazardous waste!
  - Not recyclable
  - □ Separate from good batteries (use PPE)
  - □ Store in leak-proof container on top of layer of baking sode or lime. Do not add baking soda/lime directly to battery.

### **HAZARDS**

- □ Electrolyte fluid
- □ Sulfuric acid liquid and fumes
- □ Lead liquid and dust
- Mercury vapors
- □ Explosive hydrogen gas



### STORAGE

- □ Leak-proof container
- Stack neatly
- □ No more than 5 layers high
- □ Rigid, non-conducting material between layers
- □ Inside or covered
- □ Keep seal loose or ventilate
- □ Away from ignition source



### FLUORESCENT BULBS

- □ Hazardous waste if not recycled (expensive)
- □ Bulbs from households are NOT banned from landfills in NM
- □ Broken bulbs release mercury.
- □ Broken down into glass, aluminum, mercury, and phosphor powder
- □ Use bulb crushers onsite or ship offsite.
  - □ Bulb crushers must be permitted by the NMED Hazardous Waste Bureau!



### TIER 1 - SCRAP METAL RECYCLING

- □ Bulk scrap and white goods
- □ Nonferrous metal can be recycled infinitely.
- □ Separate drop-off from primary disposal area.
- □ Store where water will not pool/drain.
- □ Do not store where vegetation will grow.
- □ Keep bulk metal separate from electronics, lead acid batteries, and aluminum/tin cans.
- □ Check for radiation.



### WHITE GOODS

- □ Recycled for their metal
- □ Remove doors.
- □ Make sure they won't hold water.
- □ Check inside for problem waste.
- □ Keep white goods containing refrigerants, mercury, and PCBs separate from those without them.

### REFRIGERANTS

- □ Removal required by law
- Receiver accepts
  responsibility to remove
  refrigerants prior to
  recycling/disposal
  unless proper
  documentation
  provided.
- Person removing refrigerants must be certified by EPA



### REFRIGERANTS

- Do not accept white goods with refrigerant lines cut without proper documentation being provided.
- □ Documentation must include:
  - A signed statement from the customer stating that refrigerant has been removed in accordance with EPA standards,



 The name and address of the person who removed the refrigerant and the specific date the refrigerant was removed

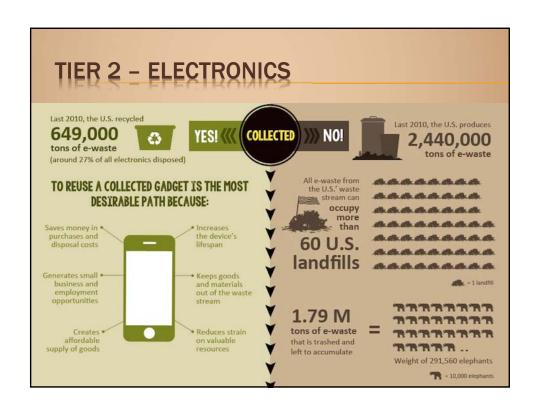




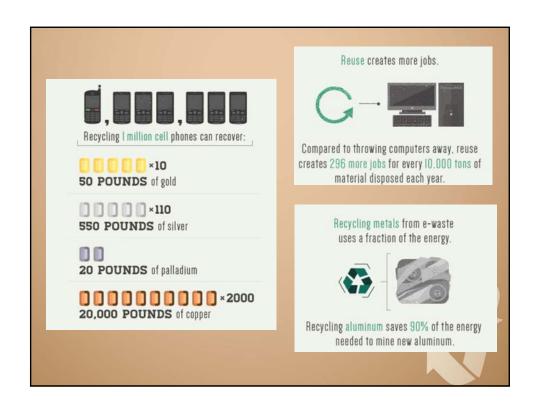


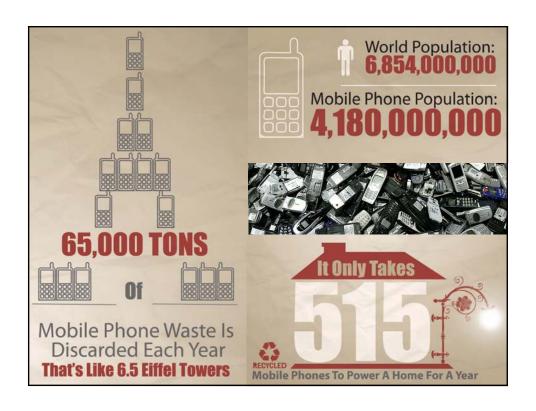


### TIER 2 - ELECTRONICS □ Televisions □ VHS □ Computers ■ Walkman □ Cell phones Cordless phones □ Computer monitors □ Scanners □ Mice Printers □ Copy/fax machines □ Keyboards ■ MP3 players □ Hard drives □ Hand held games □ Stereos □ Anything with a cord ■ DVD players









### **ELECTRONICS**

- □ Encourage donation of working electronics.
- □ Be the last line of defense Tell customers to utilize manufacturer/retailer takeback programs.





No matter where you bought it, we'll recycle it

We'll recycle just about any electronics, including TVs, DVD players, computer monitors, audio and video cables, cell phones, and more.

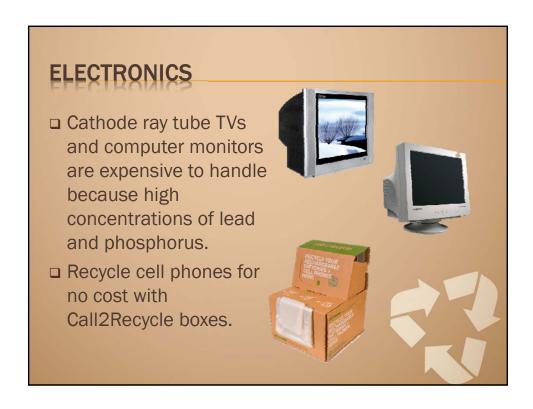


### **ELECTRONICS**

- □ Hard to stack leads to light loads
- □ Use gaylord boxes or shrink wrap on pallets □ Ask for training for buyer on stacking trucks



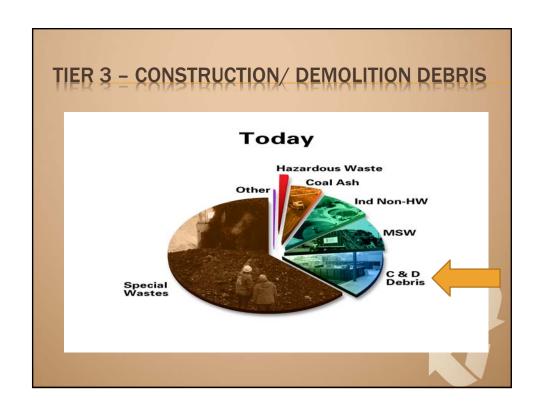


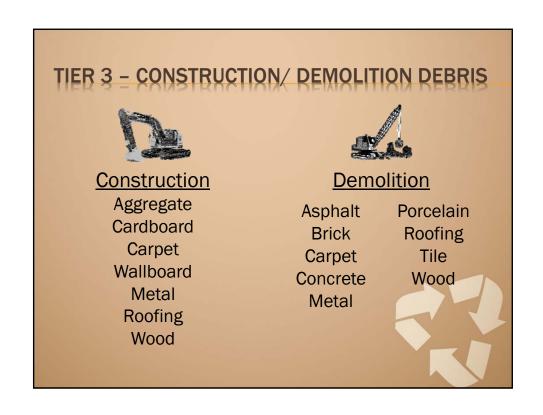


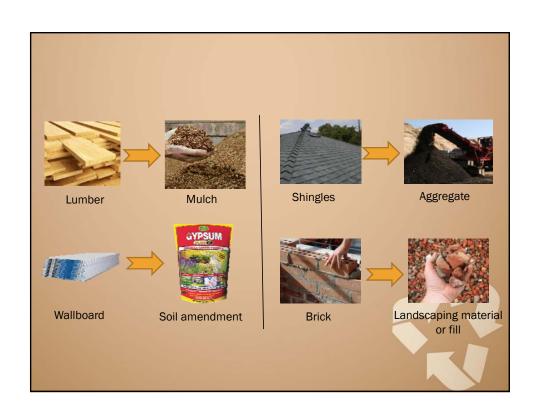
### TIER 2 - TIRES

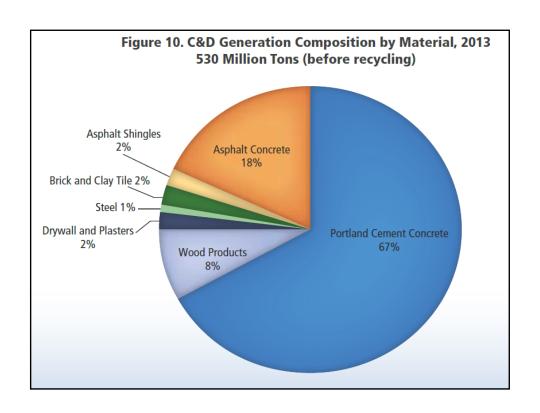
- □ Do not divert without an end use.□ Fire/vector hazards
- □ Roughly 2 million scrap tires generated annually in NM
- □ Do not compact in landfills. They tend to "float."
- □ Encourage reuse as building material, flower pot, tire swing, etc.
- □ Power plant/manufacturing fuel
- Crumb rubber, rubber mulch, and rubberized asphalt
- □ Tire bales wall construction & barriers











# TIER 3 - CONSTRUCTION/ DEMOLITION DEBRIS □ Heavy materials → Expensive tip fees □ Bulky materials → Lost landfill space □ Valuable materials! □ Encourage salvaging/reuse first □ Focus on cement & asphalt □ Consider public/private partnerships □ Avoid hazardous material

# PORTABLE CONCRETE CRUSHER Units that attach to backhoes and slip steers Stand-alone units \$20,000 starting price



