

Session 7: Beneficial Reuse

Cam Metcalf, Executive Director

**SE Recycling Conference
March 14, 2007**

www.kppc.org



Kentucky Pollution Prevention Center (KPPC)

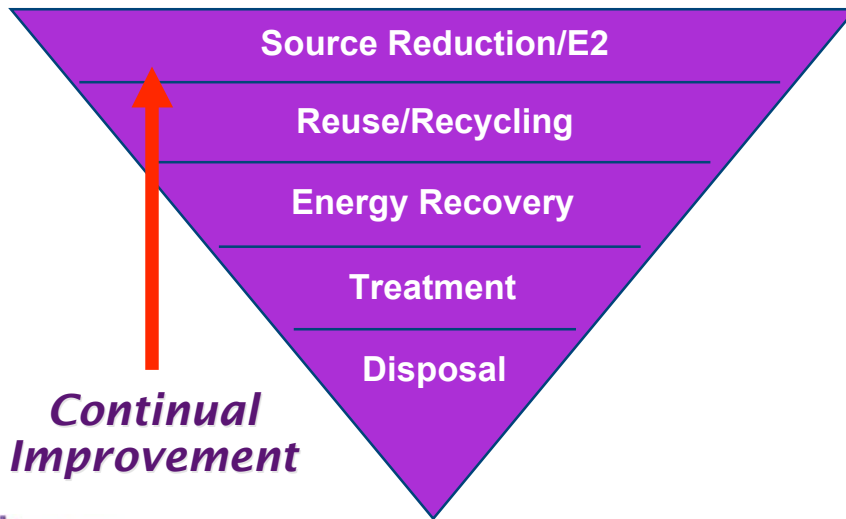
Mission

The Kentucky Pollution Prevention Center (KPPC) at the **University of Louisville** is Kentucky's primary resource for technical information and assistance to improve environmental performance.

The Center facilitates and promotes the proactive implementation of management systems and technologies to improve the competitiveness of businesses, industries and other organizations.



Move Up the Waste Management Hierarchy



Continual Improvement



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For Our “Universal Backyard”



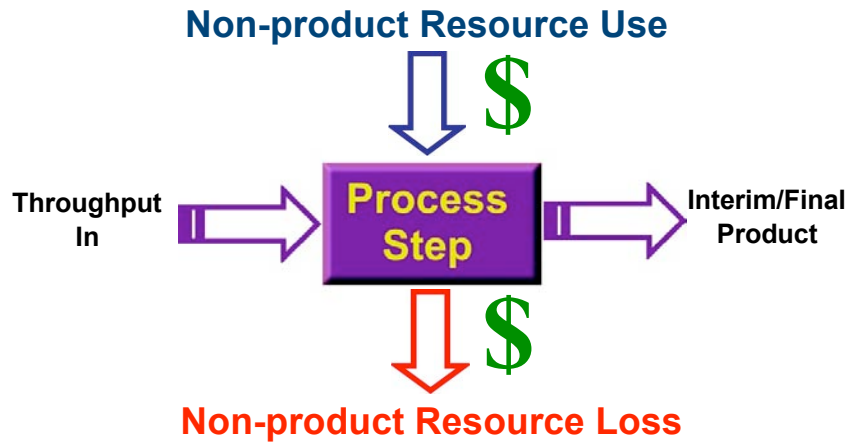
- NIMBY
- NOTE
- BANANA
- CAVE
- NOPE



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Resource Accounting



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Kentucky Industrial Materials Exchange (KIME)

What is KIME?

- A computer database
- A free matching service offered by KPPC
- A way for companies to lower waste disposal costs & raw material costs
- A way to divert wastes from landfills & incinerators

KIME acts as an information broker in the exchange of materials & wastes.



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KIME

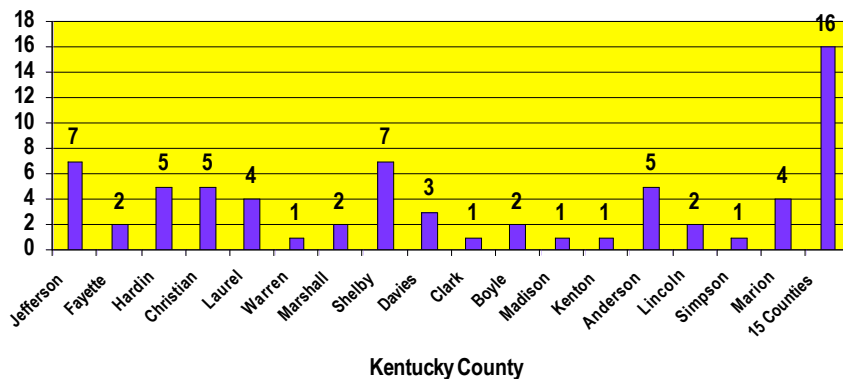
FAQs about KIME:

- How much does it cost?
It's FREE!
- Who is eligible to participate?
Any business, industry or individual
- Are there any materials you DON'T list?
Yes: radioactive, biohazards & household hazardous waste (HHW)



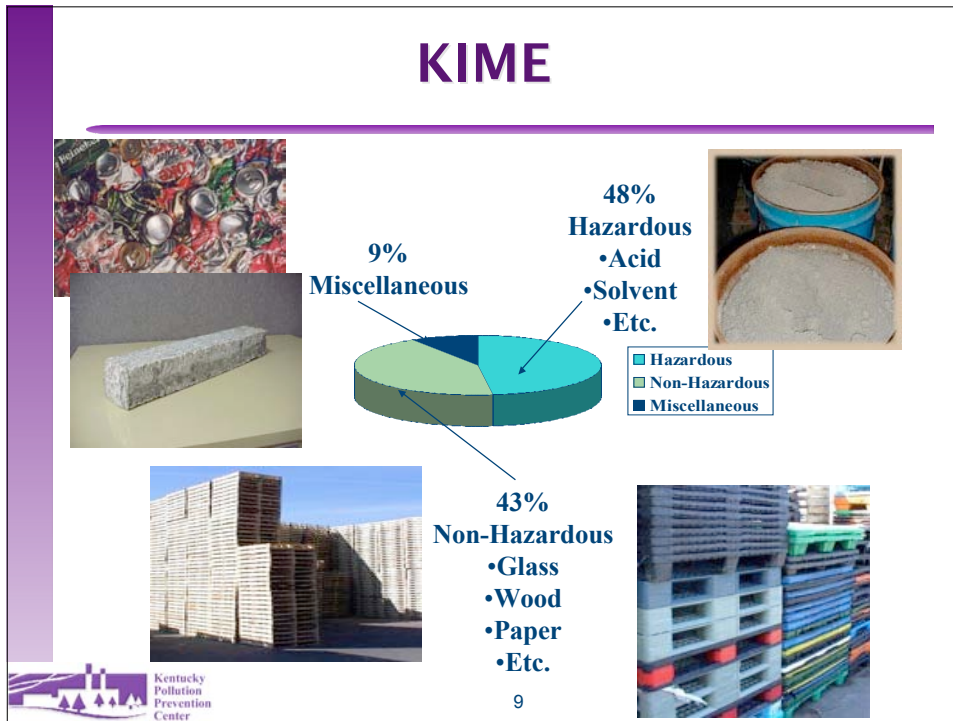
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Companies Using KIME by Kentucky Counties (32)

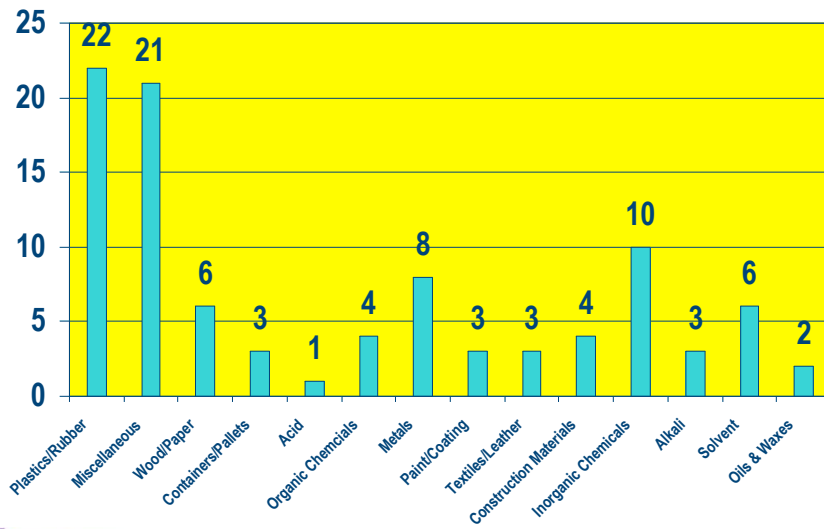


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KIME



KIME 96 'Wanted Materials'



KIME Success

➤ **Successful Exchange, Fall 1998:**

- ✓ Rail Services, Inc. (Calvert City, KY) had rail cars containing small amounts of “sweet” raw materials totaling 1,200 tons & listed on KIME
- ✓ Parallel Products (Louisville, KY) accepts materials containing sugars for *production of ethanol* & contacted KIME in response to the entry on the web

- ✓ Rail Services now sends the rail cars containing the material directly to Parallel Products avoiding disposal costs



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Recycled Structural Plastic™

- **Solid posts -structurally stronger than wood/polymer composites**
- **More flexible than wood or steel. Flexes on impact preventing serious injuries to a child or the play structure.**
- **Colorfast, color-throughout-fade resistant.**
- **Graffiti resistant. Scratches remove or smooth easily; paint removes with simple cleaner.**
- **Nontoxic -will not leach or bleed arsenic, heavy metals or chemicals into water or soil.**
- **Flame, rot and fungus resistant.**
- **No splintering, cracking, splitting or shrinking.**
- **Never needs painting or treating.**
- **Non-Porous: Mechanical properties remain static even when in continuous contact with water, sea air, salt and sand.**
- **Immune to termites, insects or other borers.**



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KPPC Contact Info

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