

# CORPORATE RECYCLING CENTER



**Ron Rothgerber, CSDP, CHMM**  
Corporate Recycling Center Manager  
& Corporate Environmental Engineer

# Waste Aversion

- 3-R's – Reduce, Re-Use, Recycle  
*(Now evolving to the 4-R's starting with "Refuse")*
- Recycling has always been a part of the Process
- Began Tracking Solid Waste and Re-Use/  
Recycling Efforts in 1996

# Why a Central Location?

- Floor Space at Production Facilities
- Aggregation Capability
- Truckload Pricing vs Mixed/Partial Loads
- Control Liabilities
- Reduce Landfill Costs

# Waste Statistics

- 81,369 tons of Waste Generated in 1996  
Corporate-Wide

# Waste Statistics

- 81,369 tons of Waste Generated in 1996  
Corporate-Wide
- 15,713 tons of Waste Generated in 2009  
Corporate-Wide

# Waste Statistics

- 81,369 tons of Waste Generated in 1996  
Corporate-Wide
- 15,713 tons of Waste Generated in 2009  
Corporate-Wide
- 80.7% Reduction in Waste Generated  
from all global facilities from 1996-2009

# Waste Statistics

- In 1996, 16,226 tons were sent to the landfill

# Waste Statistics

- In 1996, 16,226 tons were sent to the landfill
- In 2009, Only 2,022 tons were sent to the landfill

# Waste Statistics

- In 1996, 16,226 tons were sent to the landfill
- In 2009, Only 2,022 tons were sent to the landfill
- 87.5% Reduction in Landfilled Materials

# Waste Statistics

- Landfill Costs in 1996 = \$615,268

# Waste Statistics

- Landfill Costs in 1996 = \$615,268
- Landfill Costs in 2009 = \$304,639

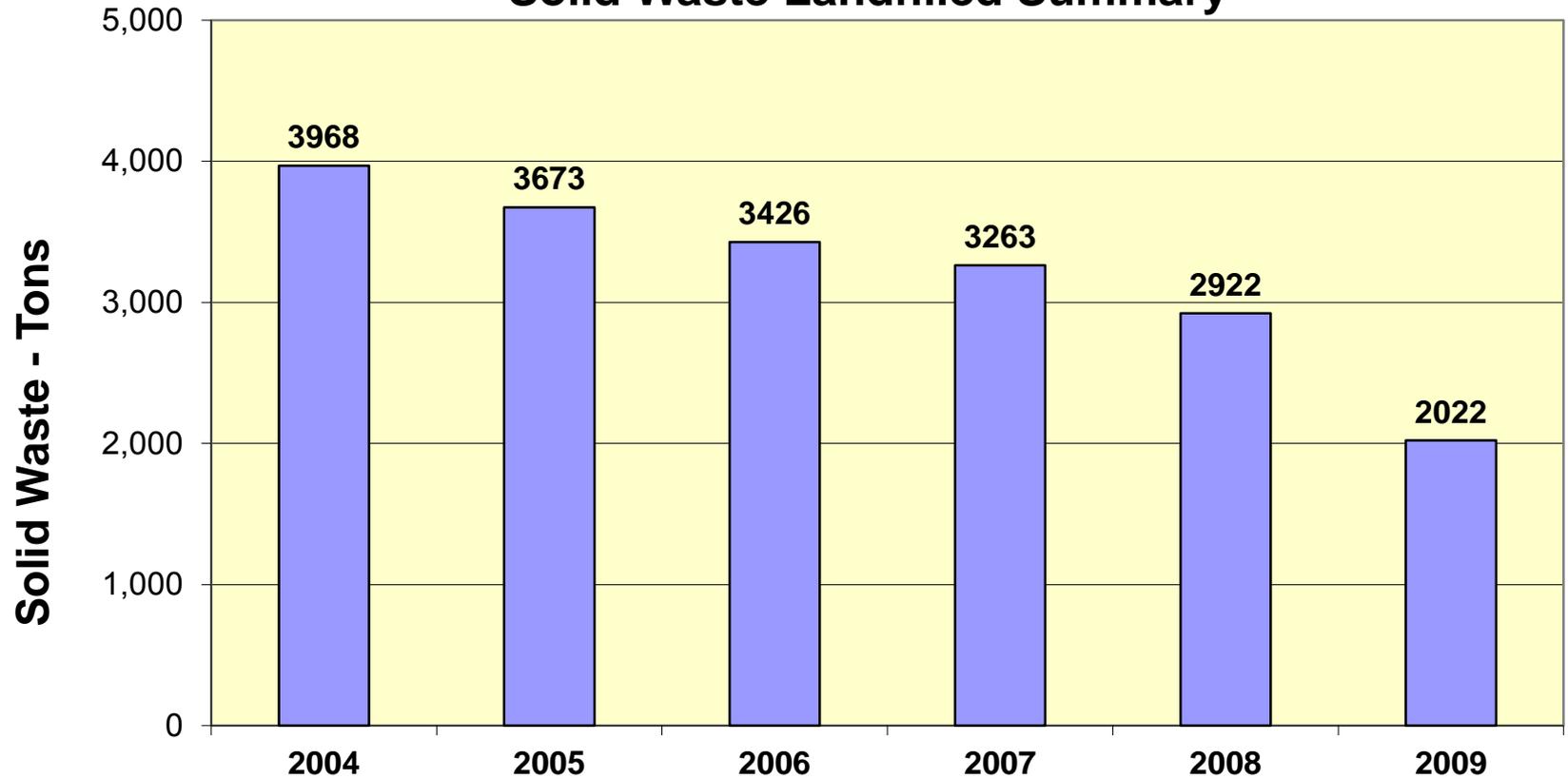
# Waste Statistics

- Landfill Costs in 1996 = \$615,268
- Landfill Costs in 2009 = \$304,639
- 50.5% Overall Reduction in Costs, however, a 397.3% increase in cost/ton (\$37.92/ton – 1996 to \$150.66/ton – 2009)

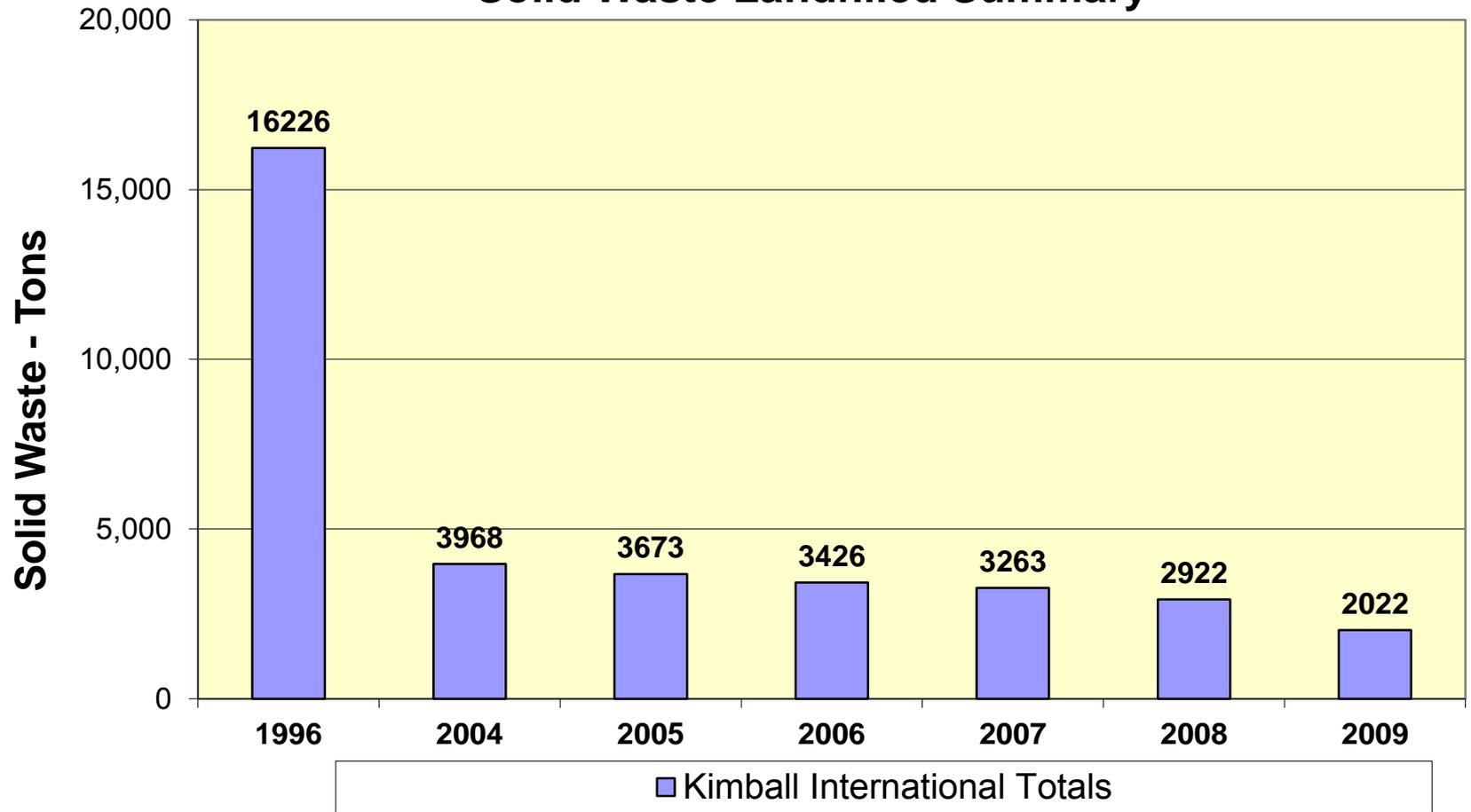
# Waste Statistics

- In 2009, 87.1% of all Waste Generated was Recycled or Re-Used
- If Waste Disposal tonnages had remained at 1996 levels the Landfill Cost would be over \$2.44 Million.

## Kimball International, Inc. Solid Waste Landfilled Summary



## Kimball International, Inc. Solid Waste Landfilled Summary



# Corporate Recycling Center

- Operates as a Break-Even Profit Center
- Operation has only 2 Full-Time Employees
- 28.5 Million Pounds of Materials Processed, Recycled, or Re-Used through the CRC since November 2002
- 2009 Waste Landfill Cost Avoidance = \$380,870

# Corporate Recycling Center

- Continuation of Existing Recycling Efforts
  - Basic Materials Recycling: Cardboard, Steel, Aluminum, Paper
- Expansion of New Recycling and Re-Use Efforts
  - Currently recycling approx. 65 different items
  - Redistribute usable equipment and supplies – intercompany
  - Sale of usable equipment and supplies - externally
  - Provide Recycling Resource where otherwise unavailable or non-feasible
- Cost Aversion from Landfill Fees
- Increase Security and Reduce Liability

# Corporate Recycling Center

- Some of the Materials Recycled include:

Cardboard	Steel	Aluminum
Office Paper	Stretch Wrap	E-Waste
Bubble Pack	Magazines	Newspaper
Printed Wiring Board Assemblies	All 6 Basic Grades of Plastic	Other Plastics #7's
Copper Wiring	Styrofoam (EPS)	Woven Fabric
Leather	Plate Glass	Pallets
Solder	Motors	Plastic Bottles

# Question & Answer