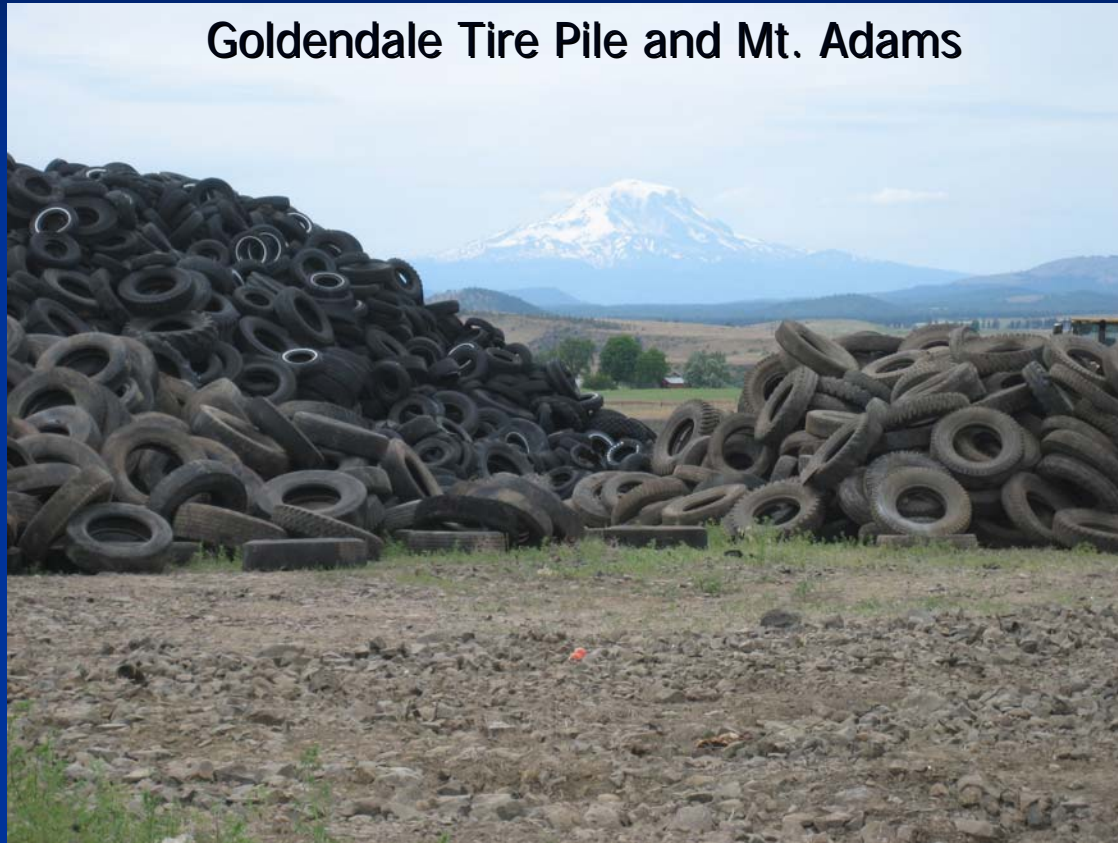


# Tire Program Update

Goldendale Tire Pile and Mt. Adams



March 25, 2008

Kara Steward, Ecology

360-407-6250 or [kste461@ecy.wa.gov](mailto:kste461@ecy.wa.gov)

# Tire Program Issues

West Richland Auto Wrecking, W. Richland

- Pile Cleanup
- Recycling Trends
- What's Next?



# Waste Tire Pile Cleanup

- Who is included?
  - 800+ waste tires
  - Sign access agreement
  - ONE TIME cleanup
  
- Who pays?
  - \$1 tire fee on new sales
  - No charge to site owner
  - Ecology cleanup contractor
  
- When does it happen?
  - May 2007 through 2009

Petty Tire Pile, Toledo  
2,033 tons



# Waste Tire Pile Cleanup

## Goldendale finished

- 20,240 tons removed, finished in 6 months, 92% landfilled
- Represents about 45% of total stockpiled tires
- Total cost **\$2.2 million** - about \$1.06/tire

June 2006



November 2007



# Waste Tire Pile Cleanup

Sommerville Road Site, Napavine  
2,831 tons

## Other sites finished

- 29 sites, mostly SW counties
- 12,650 tons (27%)
- Cost **\$2.5 million**
- About \$1.98/tire
- 40% reused/recycled



Currently committed cleanup = \$4.7 million

# Waste Tire Pile Cleanup

## Cleanup in 2008/2009

- 84 sites remain
- 14,000 tons of tires (28%)
- Expect Cost **\$4 million**  
(around \$2.85/tire)
- Expect 40% reuse/recycle
- New sites
- Cleanup deadline 2009

Lamona Site, Lincoln County



Total estimated cleanup cost = \$8.7 million

# Landfill, Recycling, Reuse Trends

## ■ Reports

- Annual tire business and recycler report
- Fluctuating data

## ■ Data reported

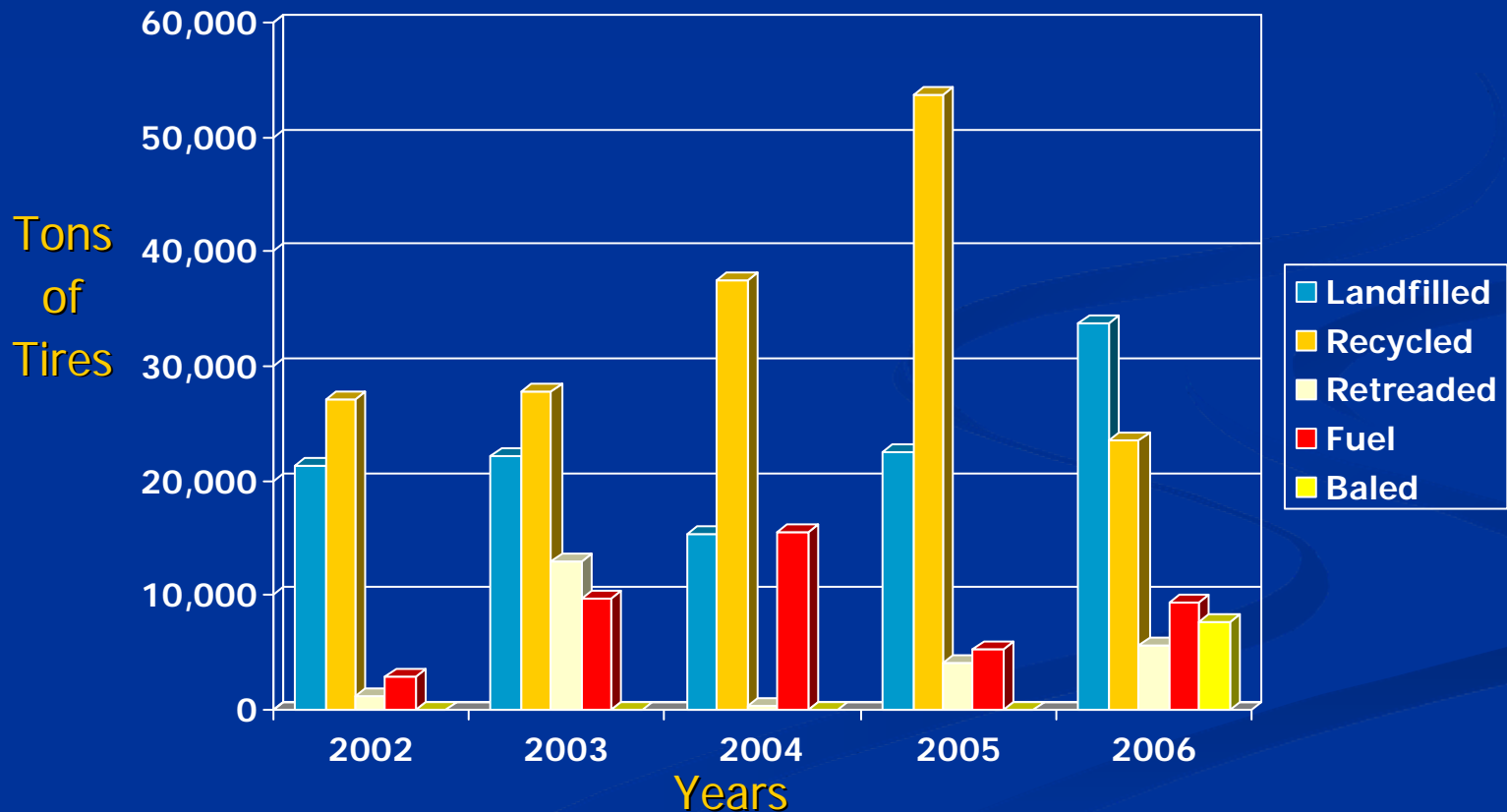
- Landfilling
- Retreading
- Recycling
- Tire Derived Fuel
- Tire Bales (2006 only)



Remolded rubber mats

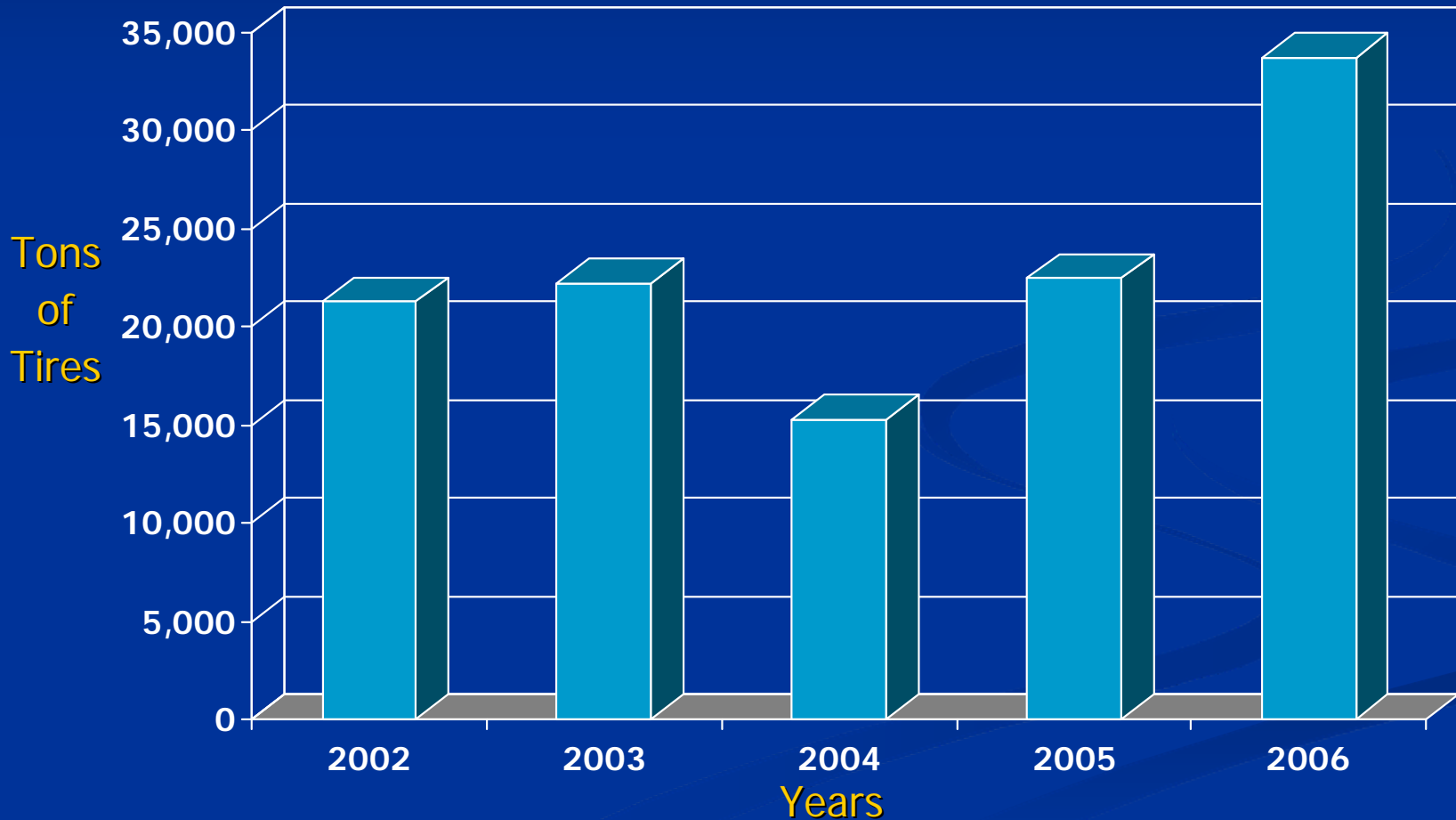
# Reported Tire Data

Recycle and retread data were combined in some reports in 2003 – 2005  
These data do not include cleanup work (started June 2007)



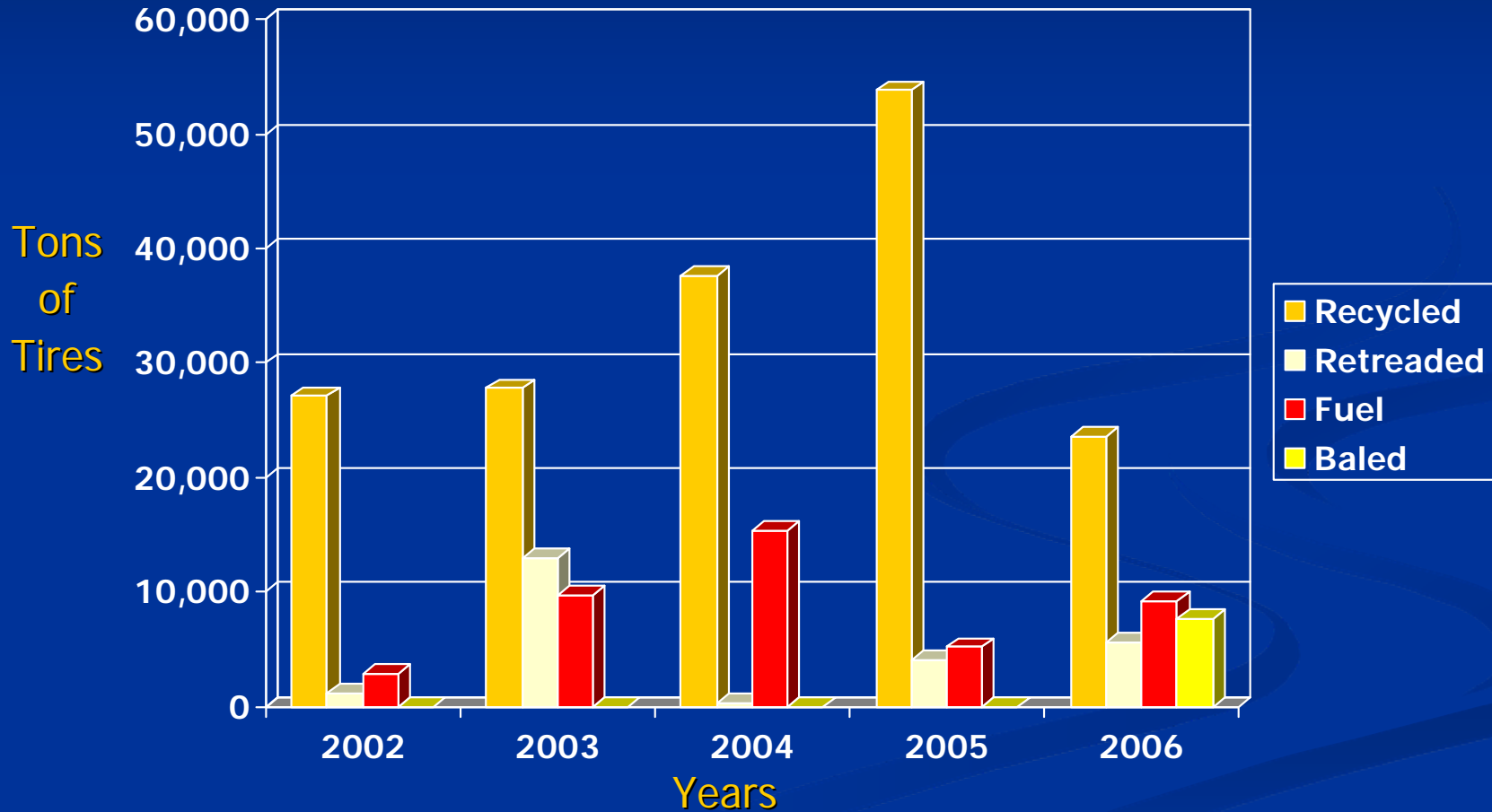
# Tire Landfilling

Landfill disposal increased 50% from 2005 to 2006  
This is 0.35% of the total MSW for 2006



# Tire Recycling/Reuse

Recycle and retread data were combined in some reports in 2003 - 2005



# Tire Recycling/Reuse

## ■ Recycling

- Punched treads
- Tire rings
- Crumb rubber



Playground fill

## ■ Reuse/Diversion

- Fuel (cement kilns)
- Retreaded tires
- Tire bales

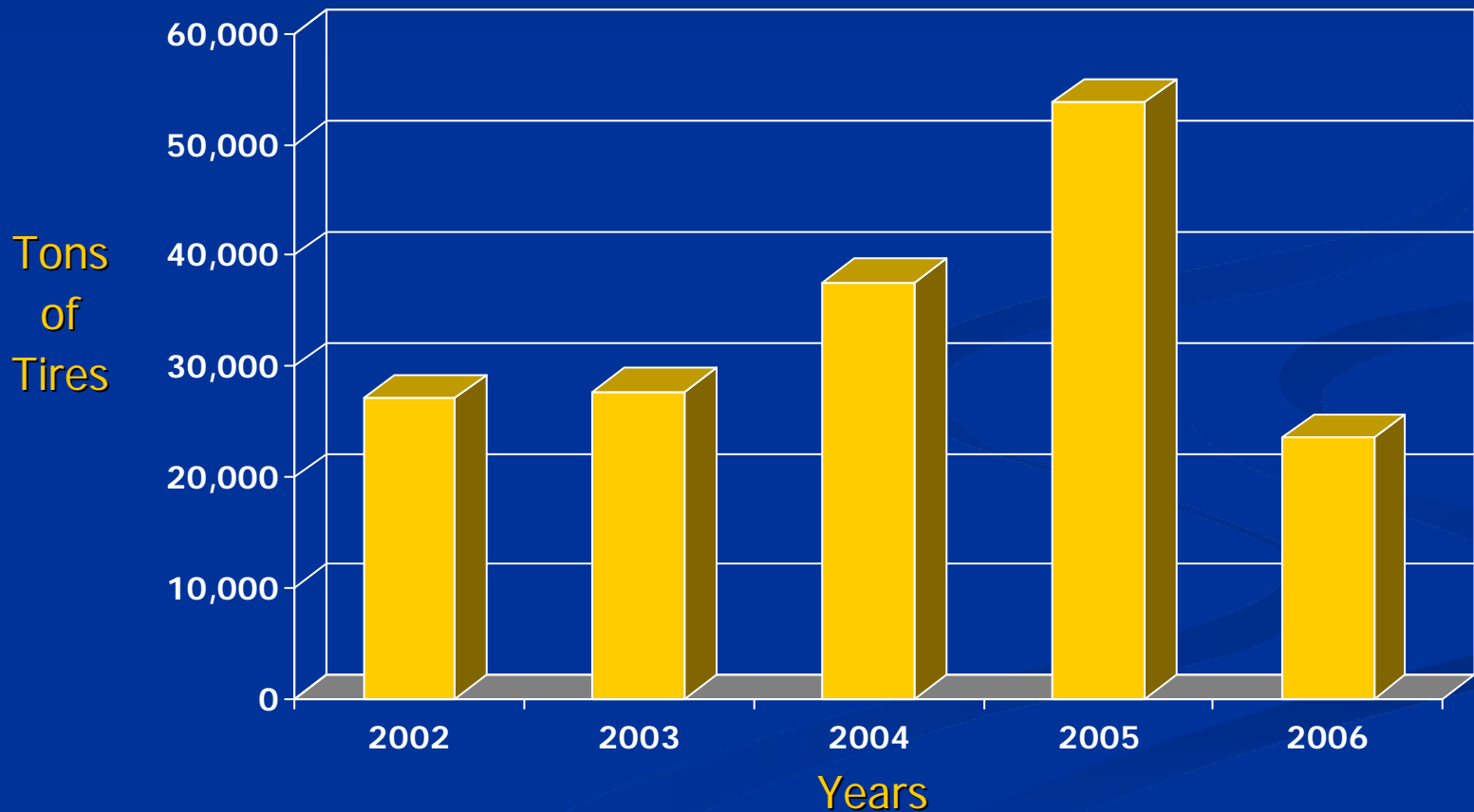


Tire bale project, Spokane (L&S Tire)

# Tire Recycling

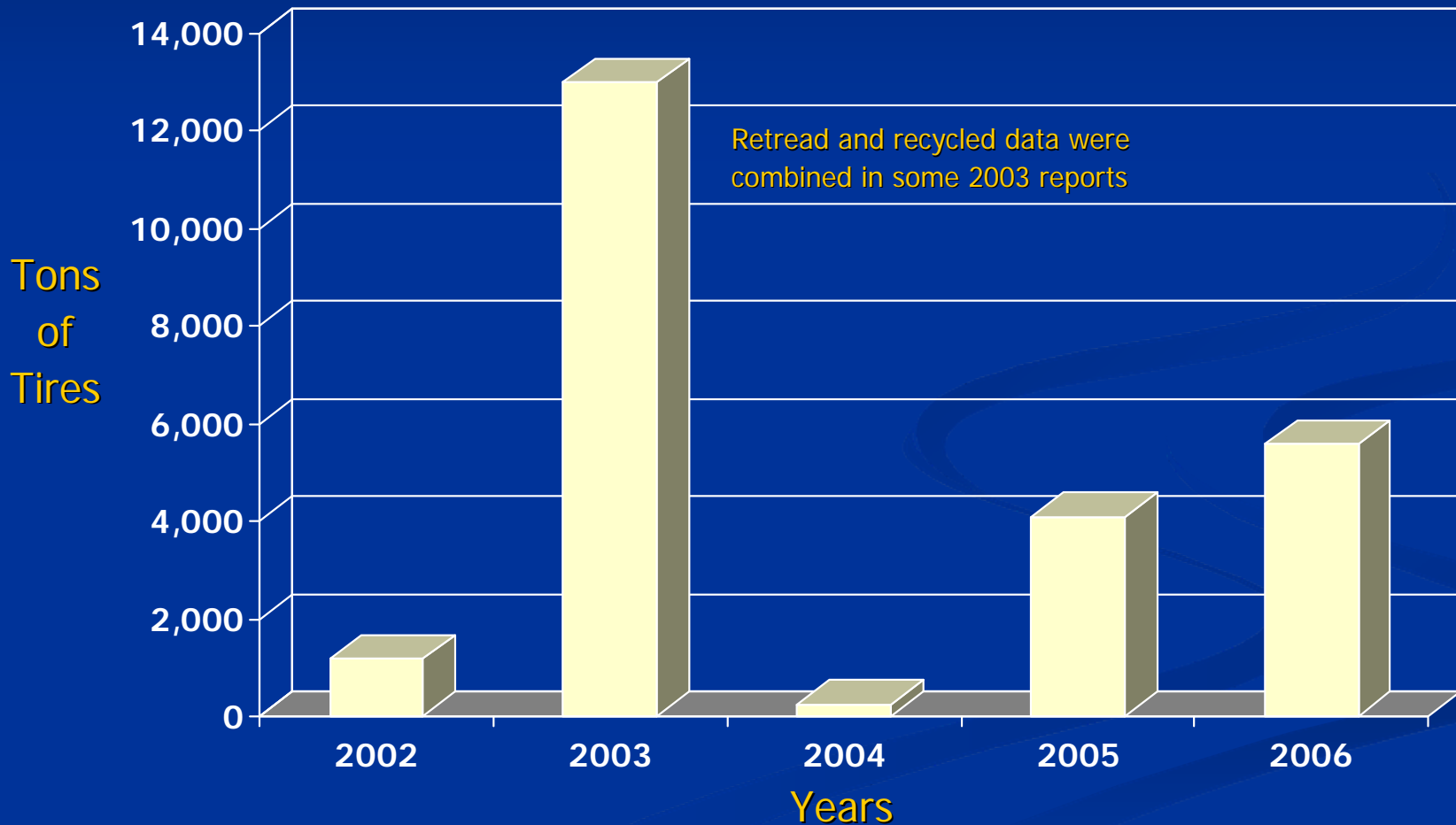
Reported recycling trend increases from 2002 to 2005

Reported tire recycling decreased by 56% from 2005 to 2006



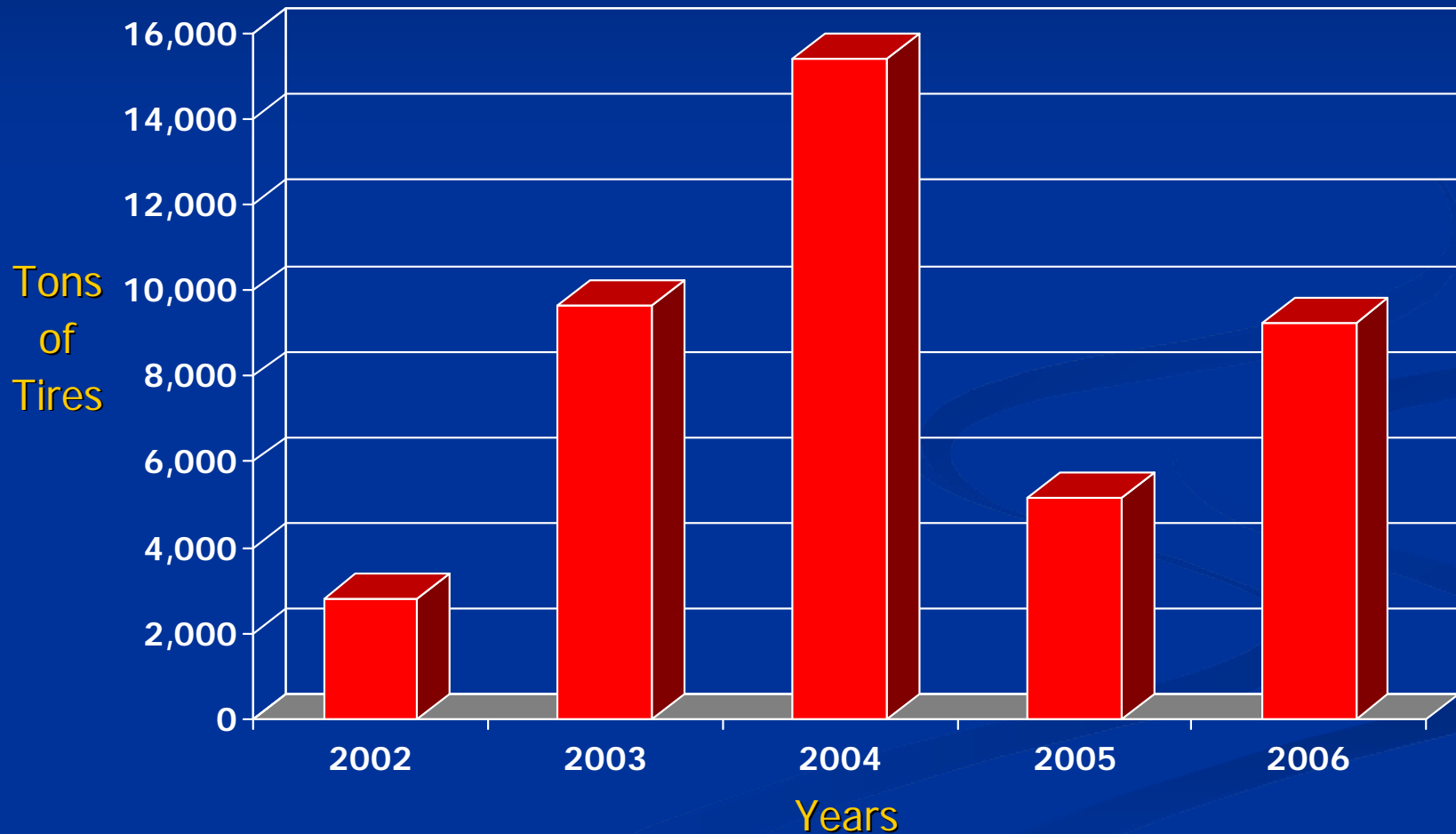
# Tire Retreading

Reported retreading increased by 27% from 2005 to 2006



# Tire Derived Fuel Use

Reported tire derived fuel use increased 44% from 2005 - 2006



# What's Next?

- Education
  - Enforcement
  - Prevention
  - Funding
- 
- Other Ideas or Suggestions

Grasser's Auto, Centralia  
862 tons



Donohoe Site, Chehalis, 67 tons



West Richland Auto Wrecking, West Richland

