

# SP and P2



# The Automotive Industry and TRI





# What is TRI?

- TRI tracks the management of certain toxic chemicals
- U.S. facilities in certain sectors report how much of each chemical is released and/or managed as waste



Releases



Waste transfers



Recycling



Pollution prevention

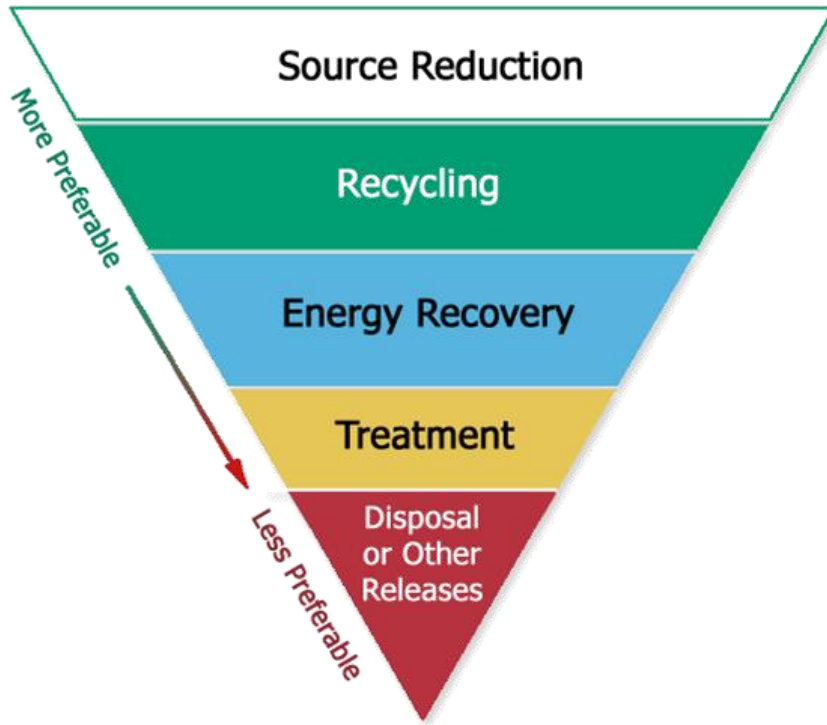


- TRI includes data about approximately **20,000 facilities** across the country and covers more than **675 toxic chemicals**.



# TRI's Pollution Prevention (P2) Data

## Waste Management Hierarchy



## P2 Info Reported to TRI

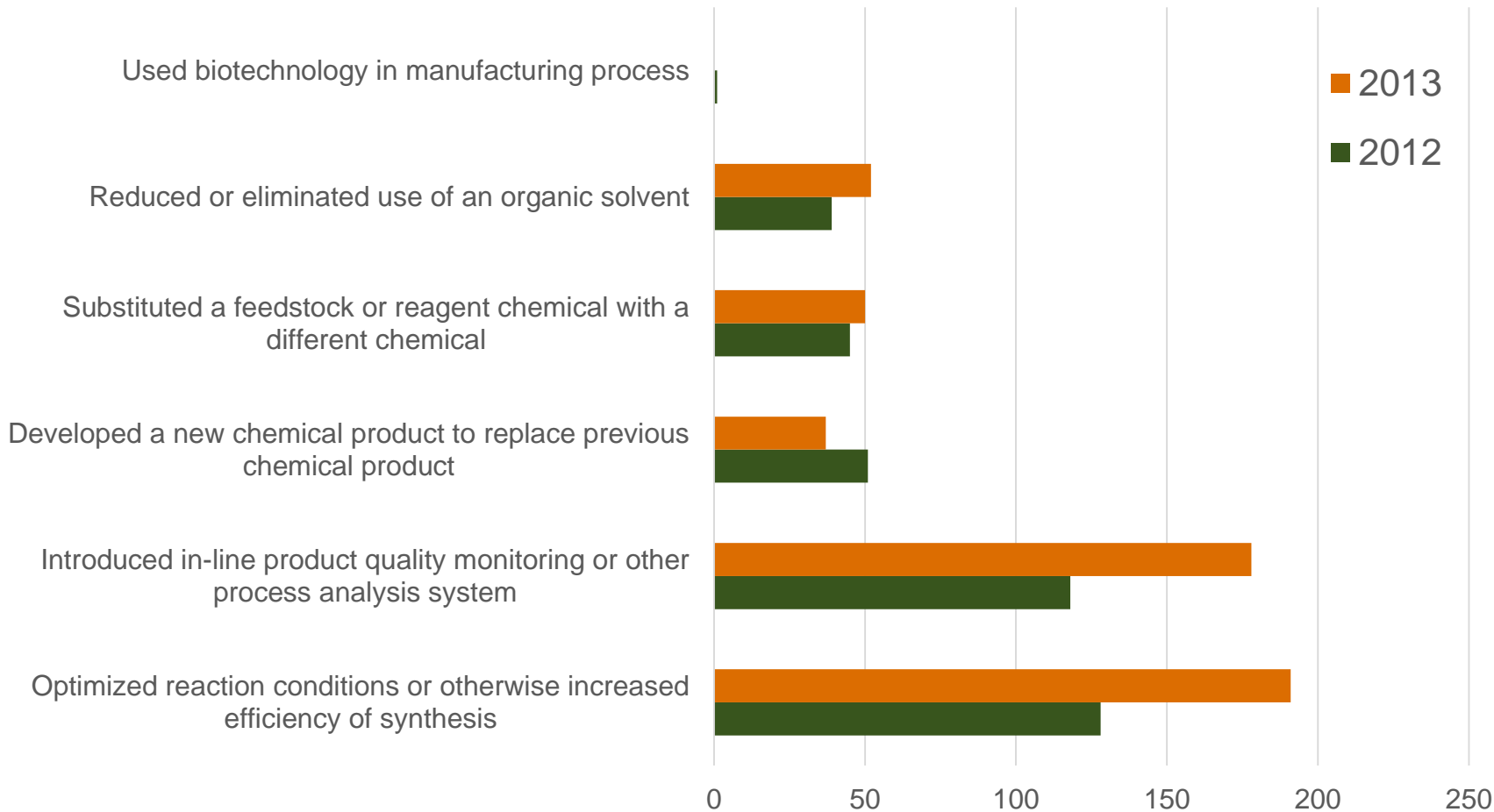
- Source reduction activities (codes)
- Optional P2 information (free-text)
- Waste management quantities:
  - **Recycling**
  - **Energy Recovery**
  - **Treatment**
  - **Disposal & Other Releases**

*Opportunity to publicly highlight steps taken to reduce releases*



# Use of Green Chemistry Codes

## # of Times Each Green Chemistry Code Was Reported



# Overview

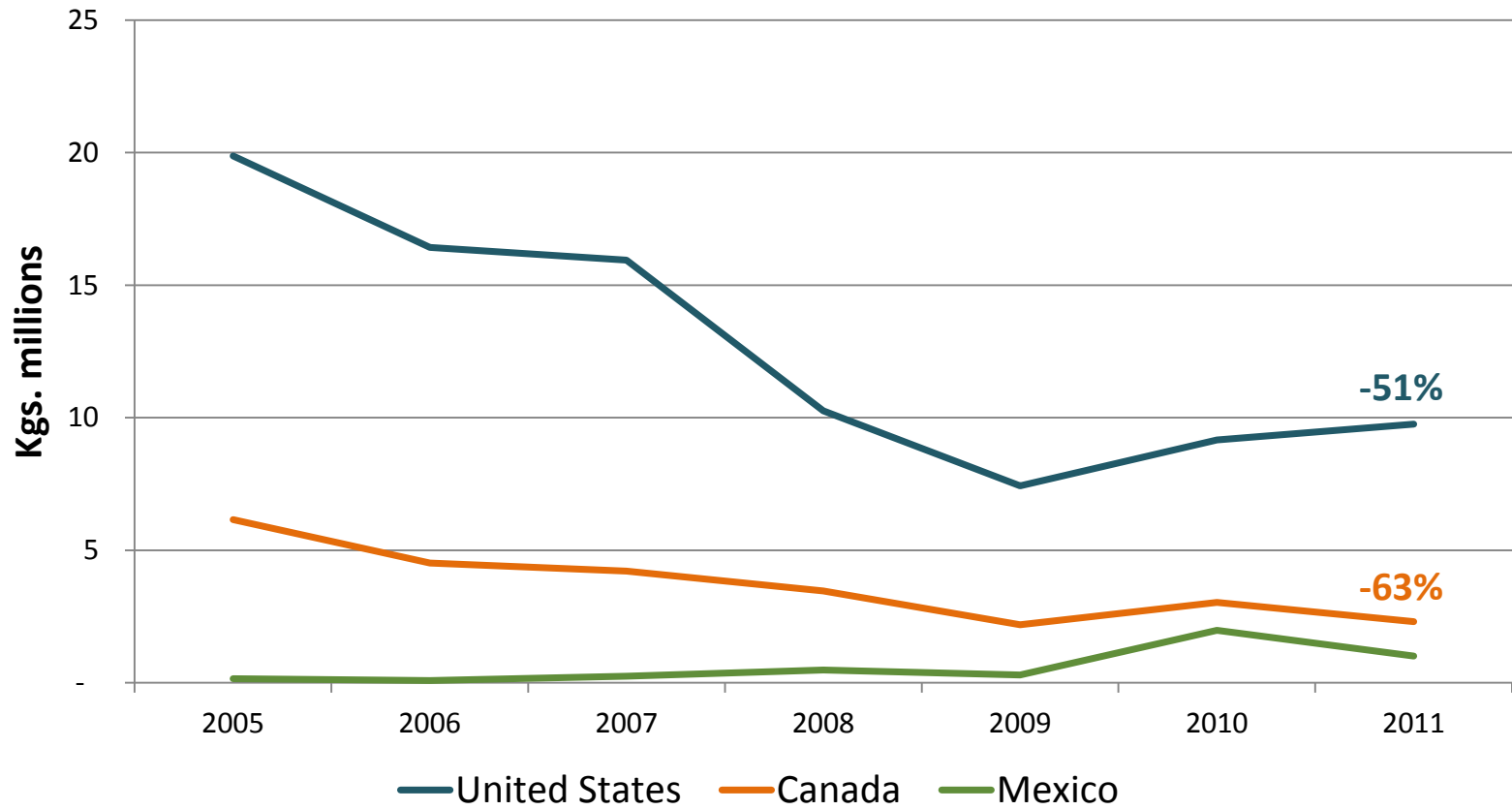


- Pollutant Release and Transfer Register data can be used to track industry-level trends in toxic releases and industry progress in pollution prevention
- In this presentation, we use PRTR data to:
  - Track trends in releases by the automotive sector
  - Investigate the drivers changes in releases
  - Look at the impact of pollution prevention on the sector's releases
- Automotive Industry as defined in this analysis:
  - Motor Vehicle Manufacturing (NAICS 3361)
  - Motor Vehicle Body and Trailer Manufacturing (NAICS 3362)
  - Motor Vehicle Parts Manufacturing (NAICS 3363)

# Release Trends for Automotive



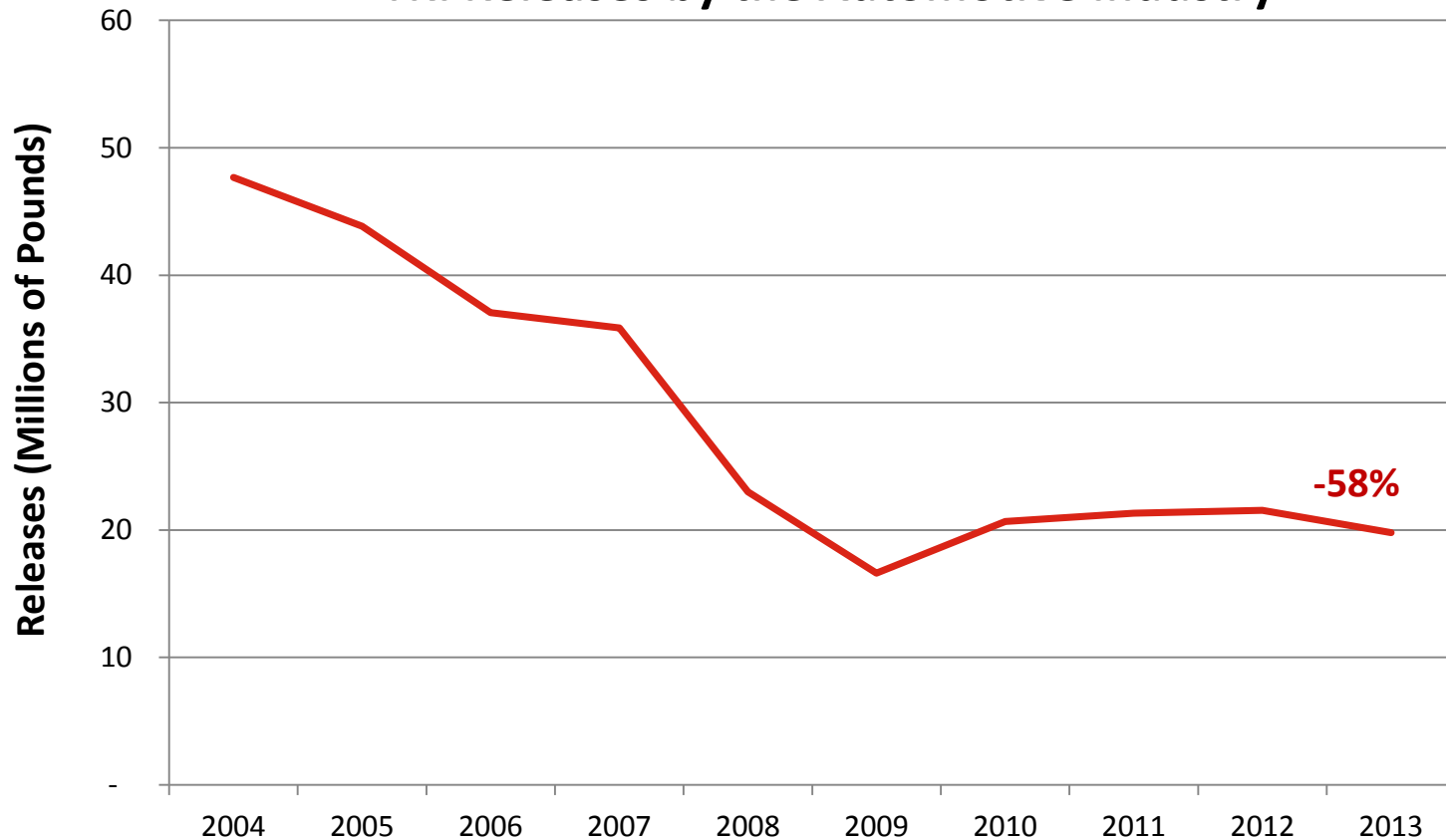
## North American Automotive Industry Toxic Releases



# U.S. Automotive TRI releases have declined significantly



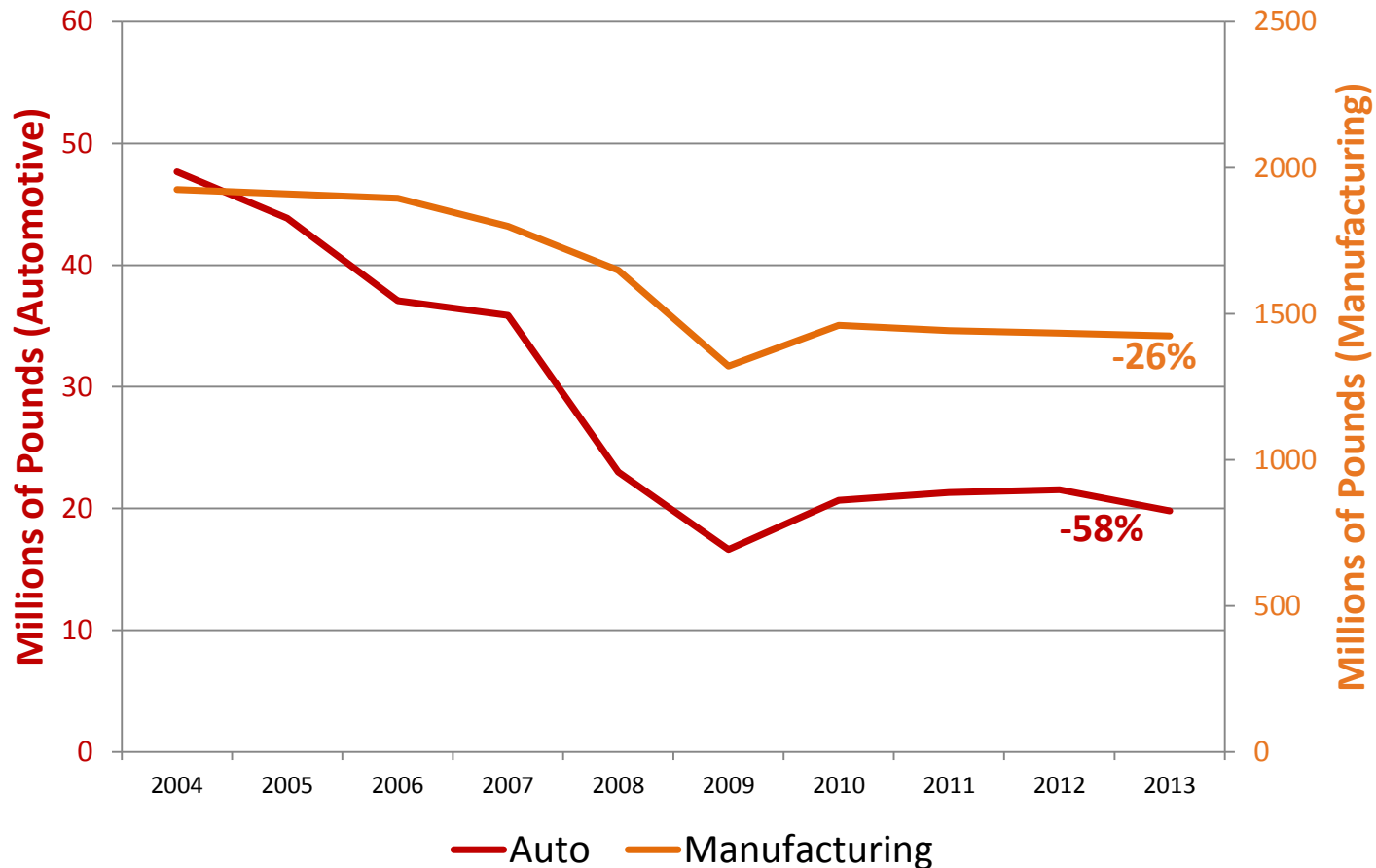
## TRI Releases by the Automotive Industry



# How does the trend compare to trends in other sectors?



## TRI Releases: Automotive vs all Manufacturing



# Are reductions due to economic trends?



## TRI Releases by Automotive Industry vs Production



Releases includes onsite and offsite disposal or other releases.

# What is driving the decrease in TRI releases?

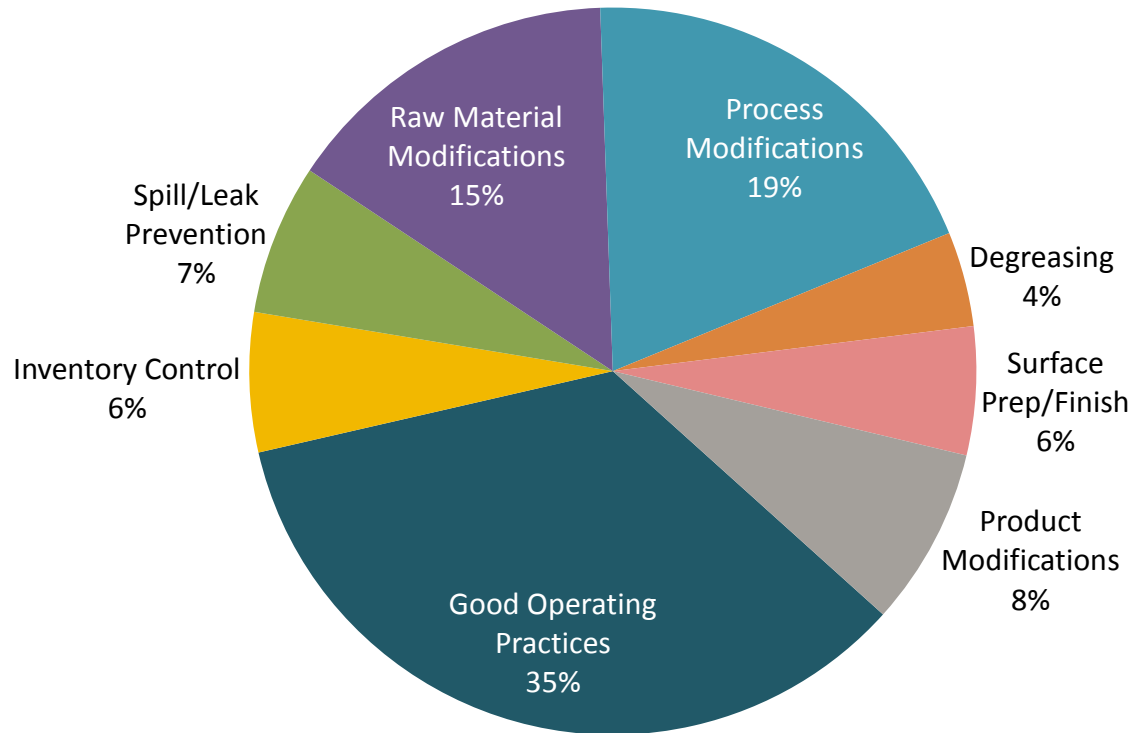


- Is it due to pollution prevention or other factors?
  - Economy?
    - 2006-2009 production was a driver, but not in recent years
  - A shift from releases to other waste management methods (e.g., treating the waste)?
    - Some shift to increased recycling
  - Reductions from a few facilities that are driving the sector-wide trend?
    - No
  - Outsourcing?
    - Some influence but limited information available

# What source reduction activities were reported?



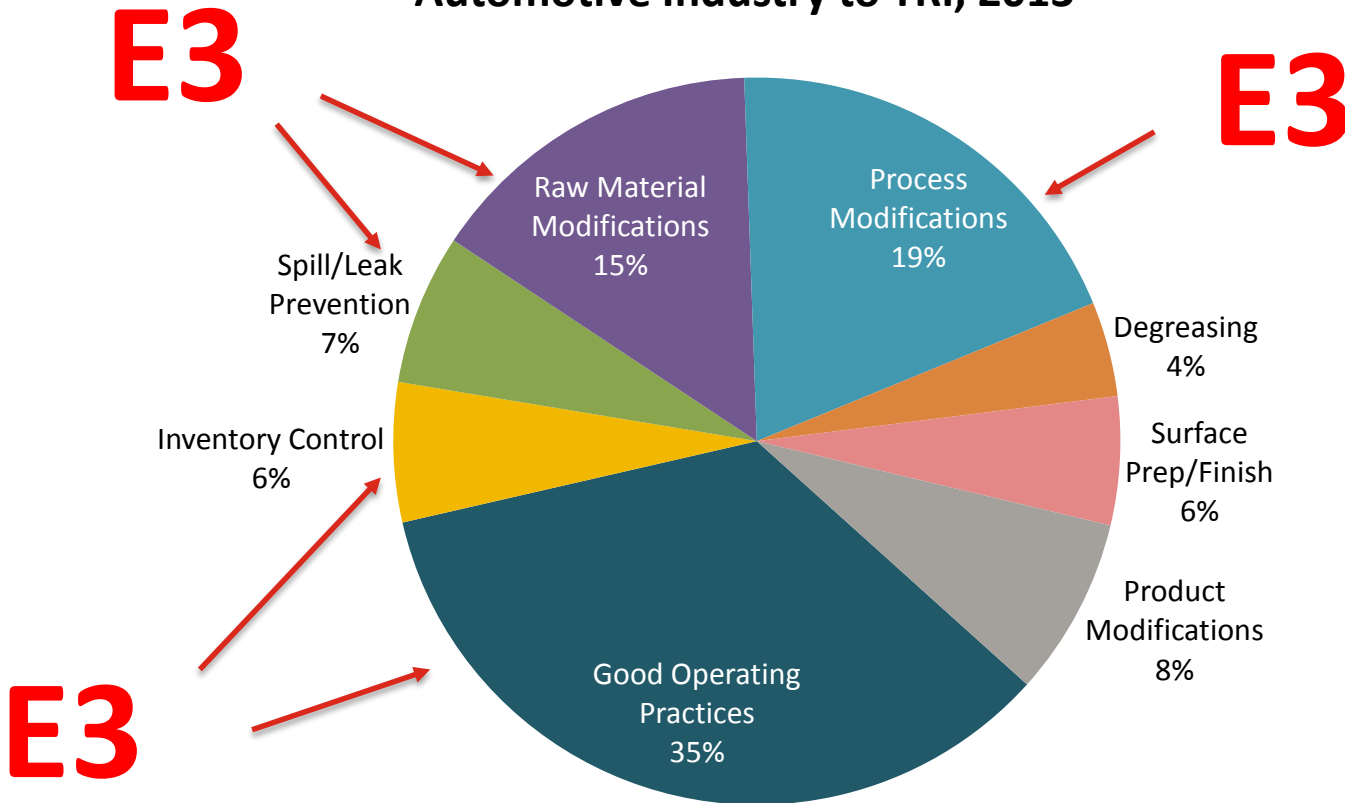
**Source Reduction Activities Reported by Automotive Industry to TRI, 2013**



# What source reduction activities were reported?



Source Reduction Activities Reported by Automotive Industry to TRI, 2013





# Key Take Away Messages



SP and P2. It's working!



Help us improve our understanding of what TRI is telling us



E3 and Investing in Manufacturing Communities Partnership Program (IMCP)



# Additional TRI Resources

- Daniel Teitelbaum, **TRI P2 Staff Lead**:  
[Teitelbaum.Daniel@epa.gov](mailto:Teitelbaum.Daniel@epa.gov).
- Visit the **TRI Program's website**: [www.epa.gov/tri](http://www.epa.gov/tri).
  - TRI P2 webpage: [www.epa.gov/tri/p2](http://www.epa.gov/tri/p2)
  - 2013 TRI National Analysis: [www.epa.gov/tri/nationalanalysis](http://www.epa.gov/tri/nationalanalysis)
- Check out the **TRI Pollution Prevention (P2) Search Tool**:  
[www.epa.gov/enviro/facts/tri/p2.html](http://www.epa.gov/enviro/facts/tri/p2.html)
- Steve DeVito : [devito.steve@epa.gov](mailto:devito.steve@epa.gov)