



Fall Protection Personal Fall Arrest System (PFAS) Demonstration



2013 Fatalities Statistical Review

4405 Fatal Work Injuries

699 Fatal Falls

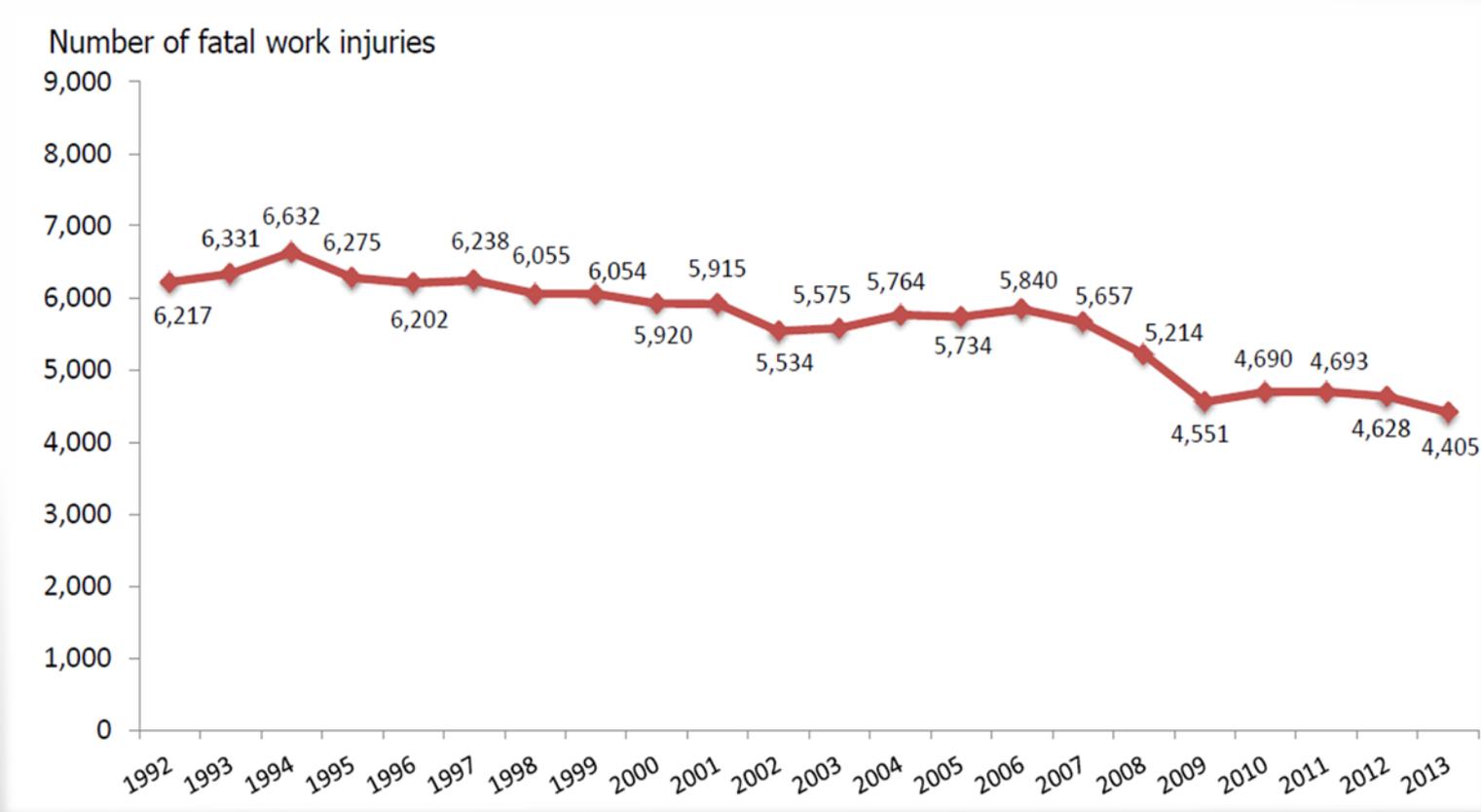
574 Fatal Falls to Lower Level

106 Fatal Falls on Same Level Working

[Source: Bureau of Labor Statistics, National Census of Fatal Occupational Injuries in 2013 (Preliminary Results)]

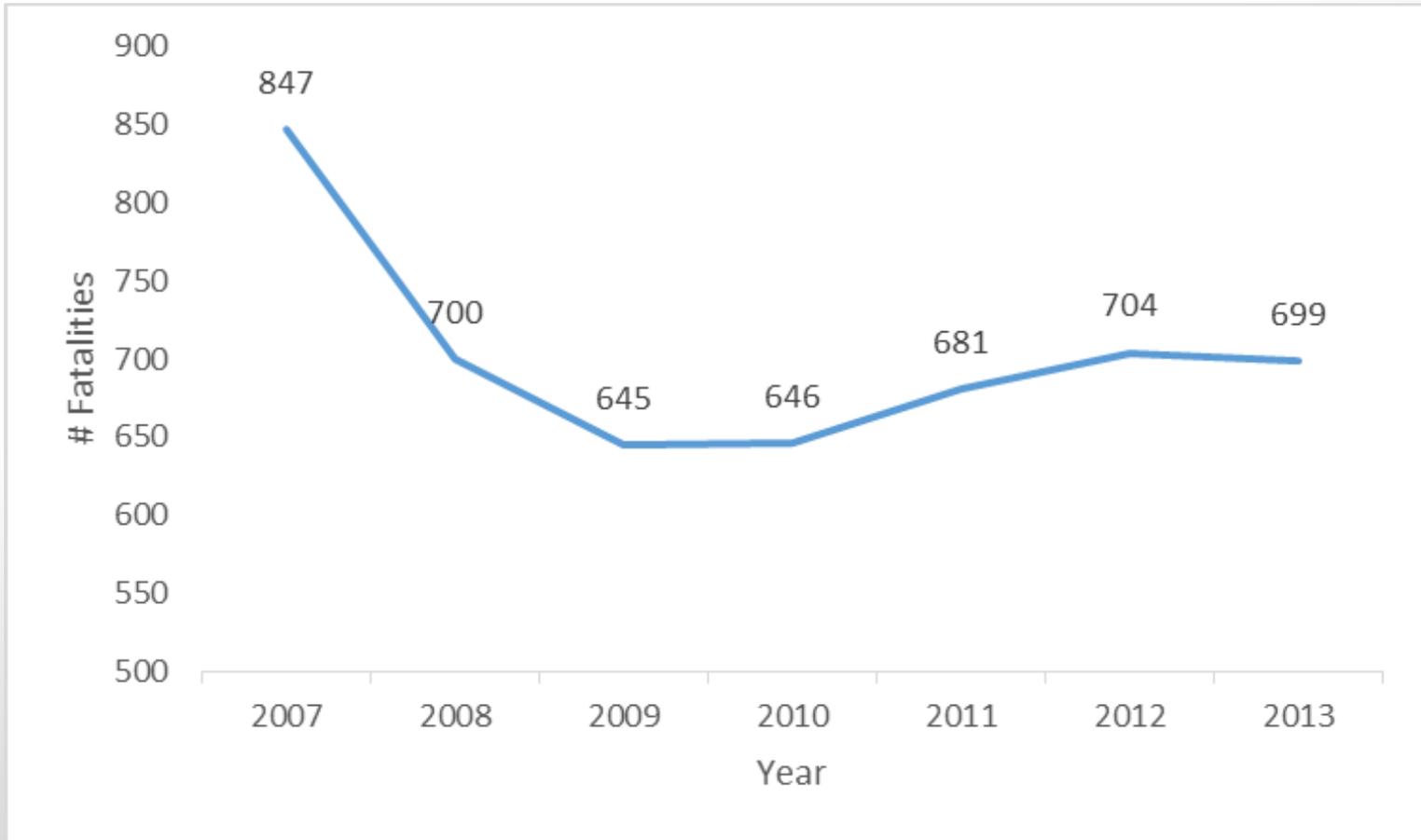


Fatal Work Injuries, 1992-2013*





Fatal Fall Work Injuries, 2007-2012





Components of a PFAS

The A,B,C of PFAS:

- **A**nchorage Point
- **F**ull **B**ody Harness
- **C**onnecting Device

100% Fall Protection





Lessons Learned

January 6, 2014, Seattle, Washington

34-year-old ironworker with 10 years experience, while working from scaffolding, disconnected from anchorage point to access platform to complete welding task.





Lessons Learned (cont.)

Tripped over welding cable and fell 72 feet to concrete road below.





Equipment Inspection

- Inspected by
 - User – prior to each use
 - Competent Person – every 6 months
- Inspect per manufacturer's instructions
- Defective components permanently removed from service



Equipment Inspection (cont.)

- Absence or illegibility of markings
- Absence of elements affecting equipment form, fit, or function
- Alteration, absence of parts, or defects/damage/improper function of mechanical devices and connectors



Equipment Inspection - Hardware

- Cracks
- Sharp edges
- Deformation
- Corrosion
- Excessive heating
- Alteration
- Excessive wear
- Chemical attack



Equipment Inspection - Straps or Ropes

- Fraying
- Unsplicing
- Unlaying
- Kinking
- Roping
- Needed/excessive lubrication
- Broken/pulled stitches
- Excessive elongation
- Chemical attack
- Excessive soiling
- Abrasion
- Excessive aging
- Excessive wear



Equipment Inspection

