



# Indiana Mineral Aggregates Association

## July 9, 2019

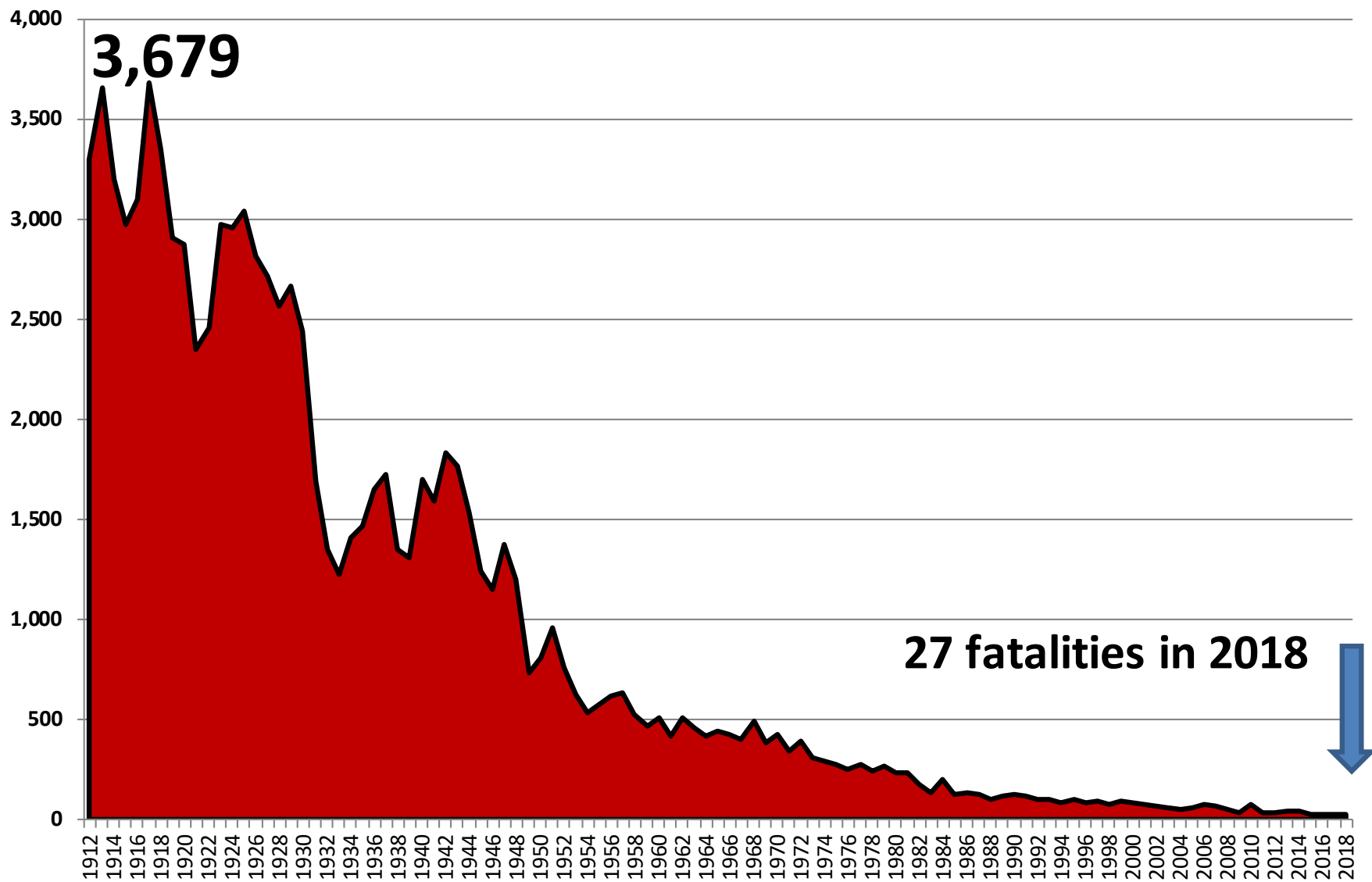


# The MSHA Mission

“to prevent death, illness, and injury from mining and promote safe and healthful workplaces for U.S. miners”



# All Mining Fatalities 1912-2018



27 fatalities in 2018

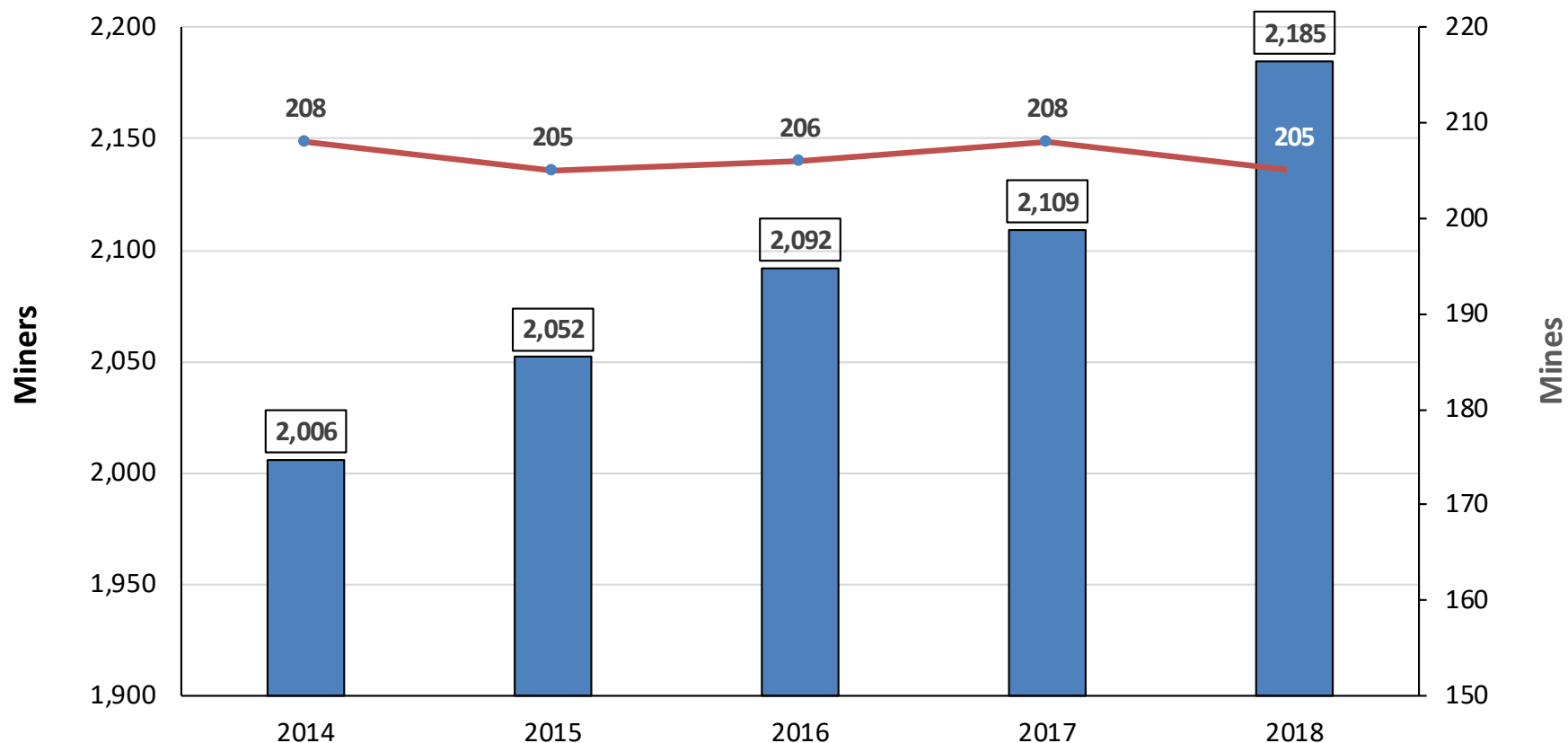


# National MSHA Data for 2018

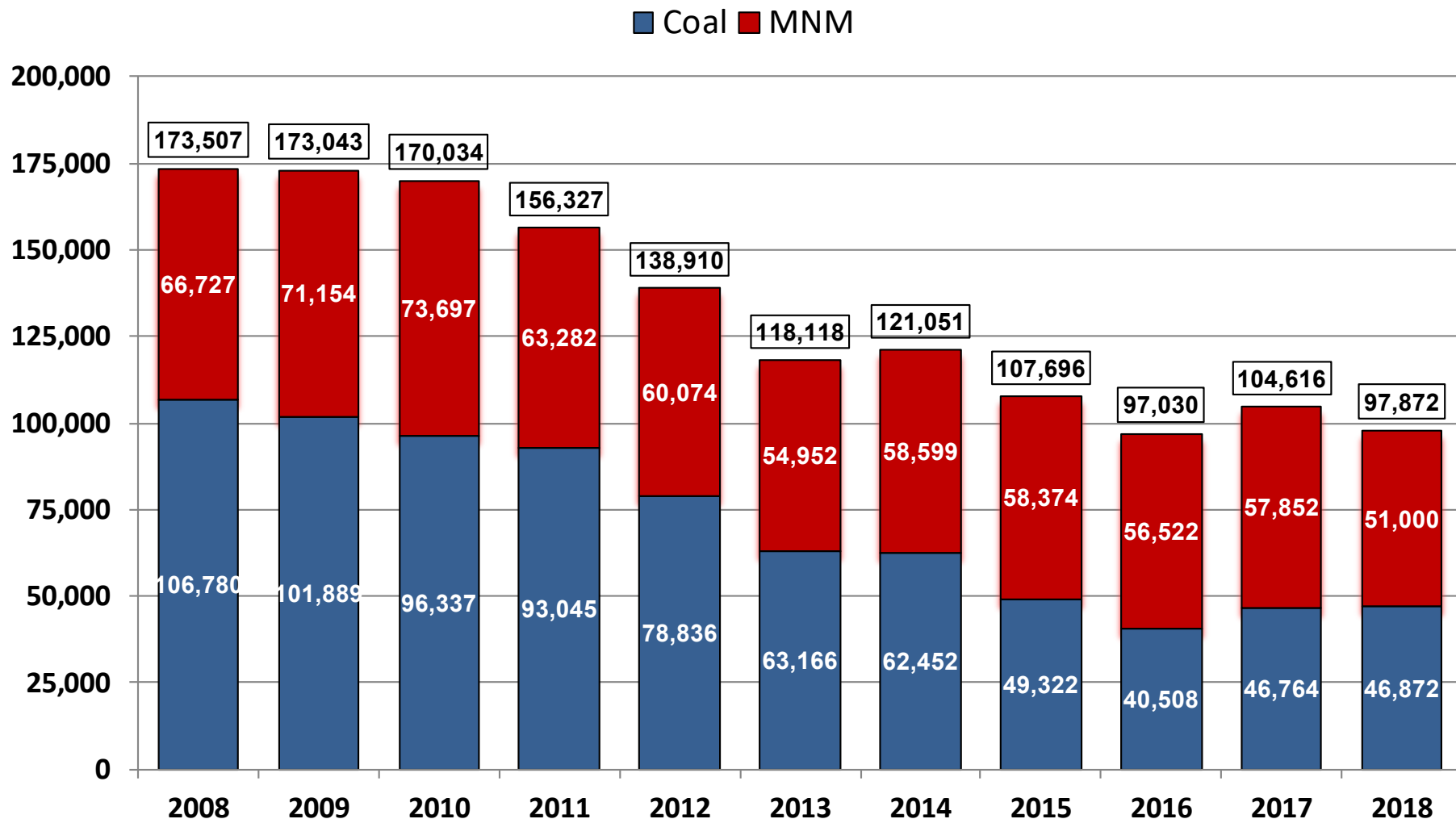
<b># of Mines Reporting Employment</b>	<b>13,021</b>
<b>- Coal Mines Only</b>	<b>1,187</b>
<b>- Metal/Nonmetal Mines Only</b>	<b>11,834</b>
<b>Total Employment</b>	<b>331,170</b>
<b>MSHA E01 Inspections Completed</b>	<b>19,215</b>
<b>Citations &amp; Orders Issued</b>	<b>97,872</b>
<b>Dollars Assessed (Millions)</b>	<b>\$56</b>



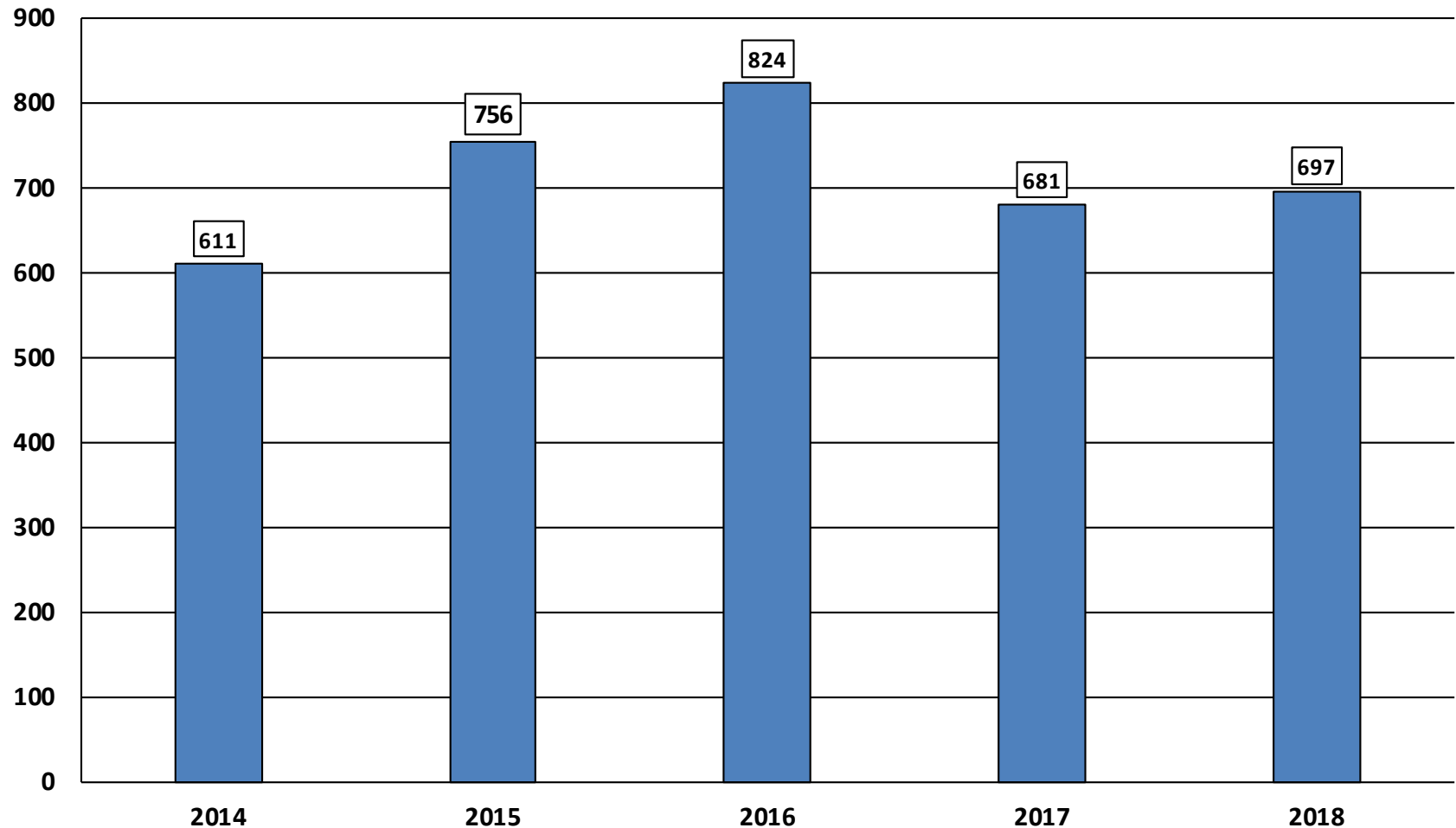
# Indiana Aggregates Miners & Mines (2014 – 2018)



# Citations & Orders Issued 2008-2018

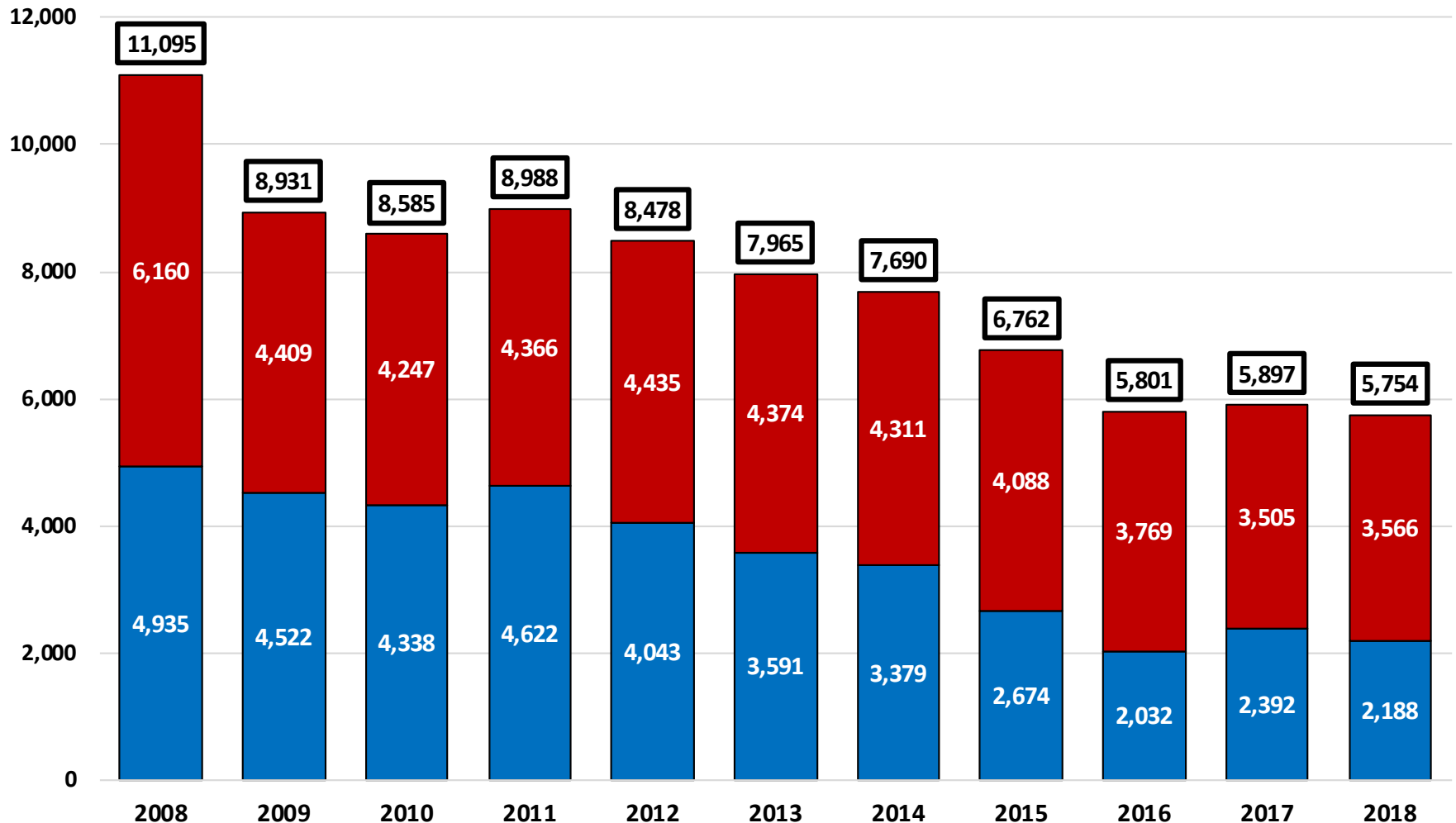


# Indiana Aggregate Citations & Orders Issued



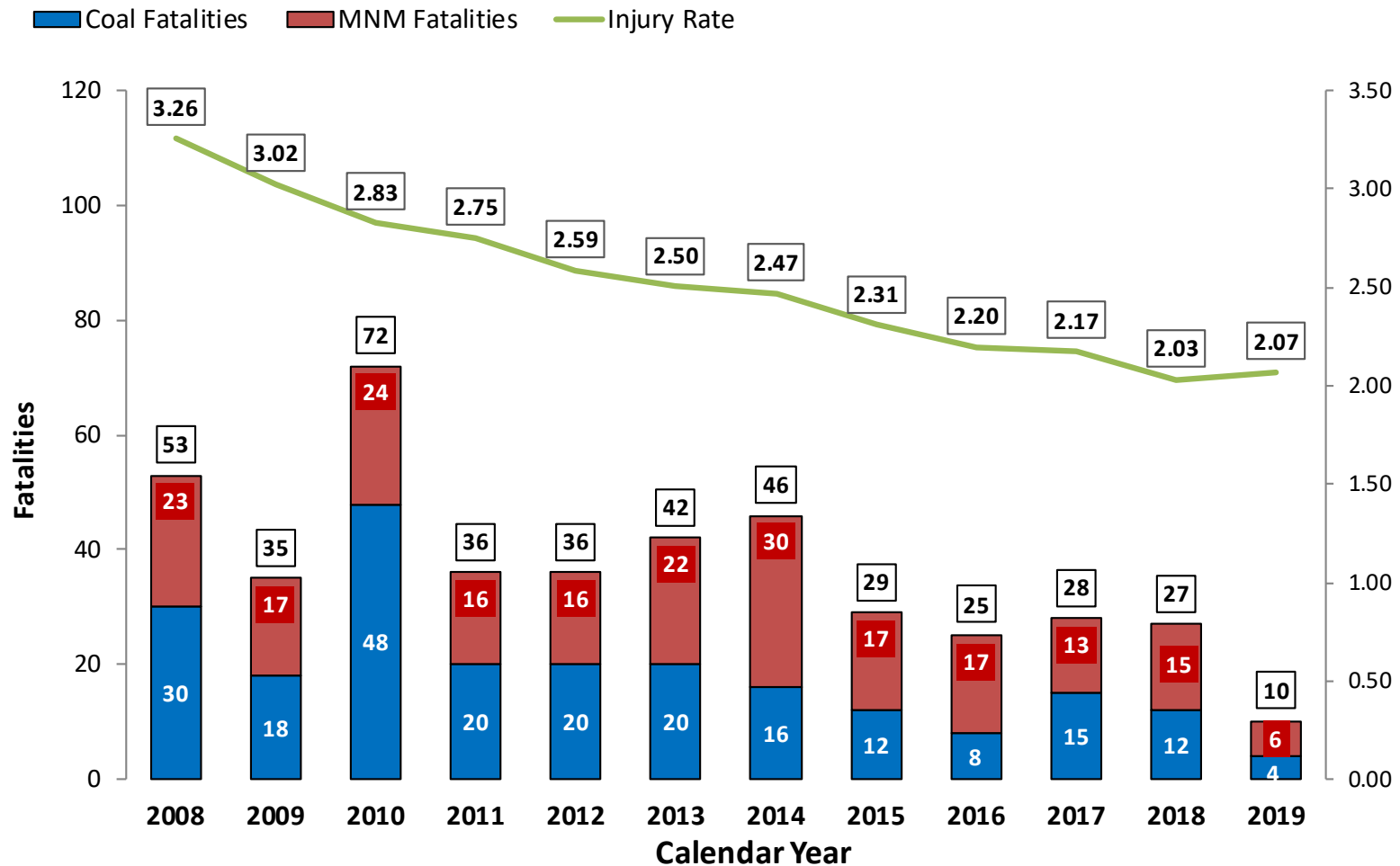
# US Mines – Reportable Injuries (CY 2008-2018)

■ Coal ■ M/NM





# ALL INJURY RATES & FATALITIES (CY 2008 – 2019Q1)



Data run on 5/20/2019



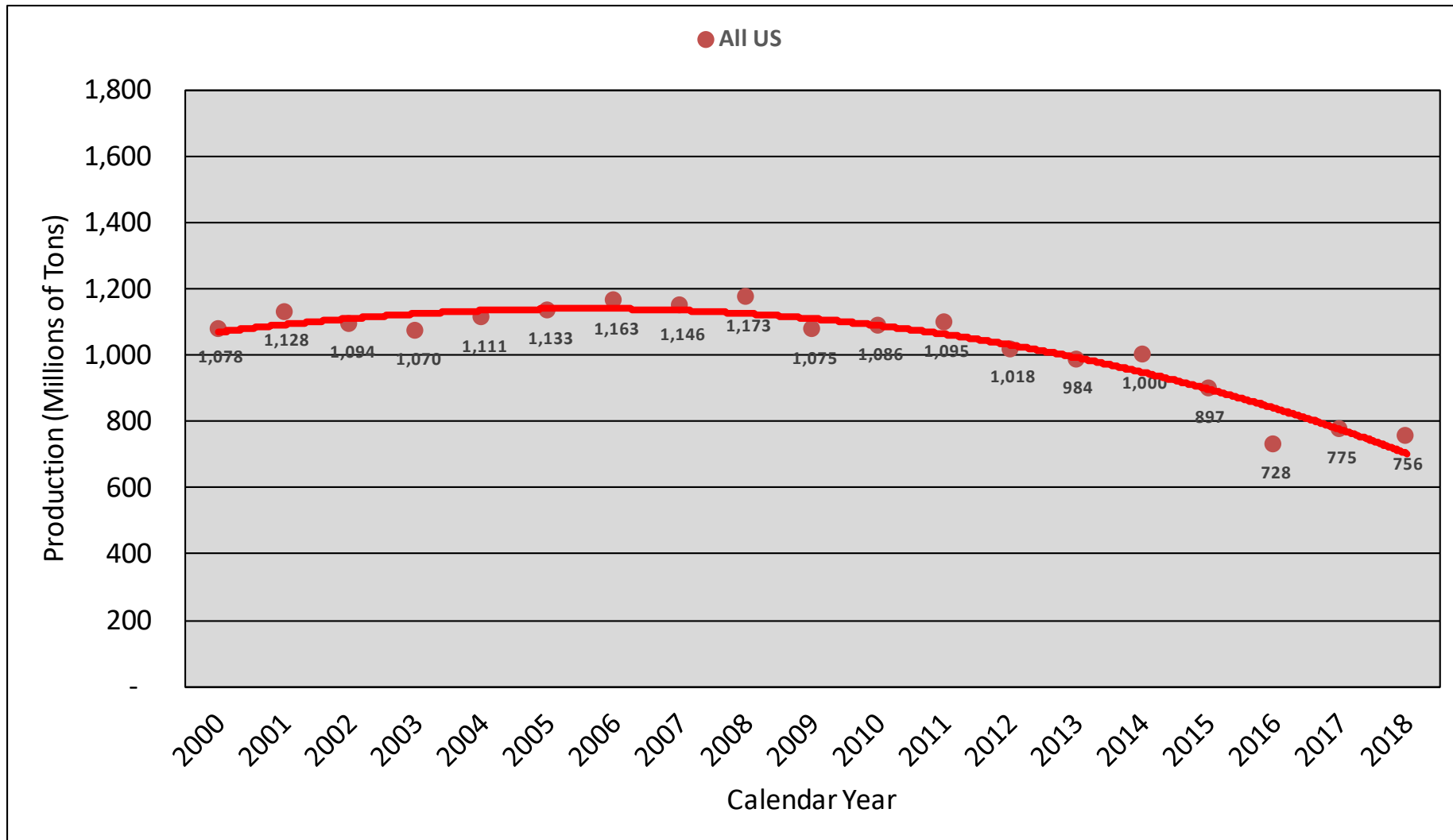
# MSHA's Mine Portfolio

Trailing 4 Quarters, 2018 Q2 – 2019 Q1

Mine Type	Number of Mines	Share of Total
UG Coal Only	422	3%
UG MNM Only	239	1.7%
UG Total	661	4.7%
All Surface	12,416	89.1%
Facilities	859	6.2%



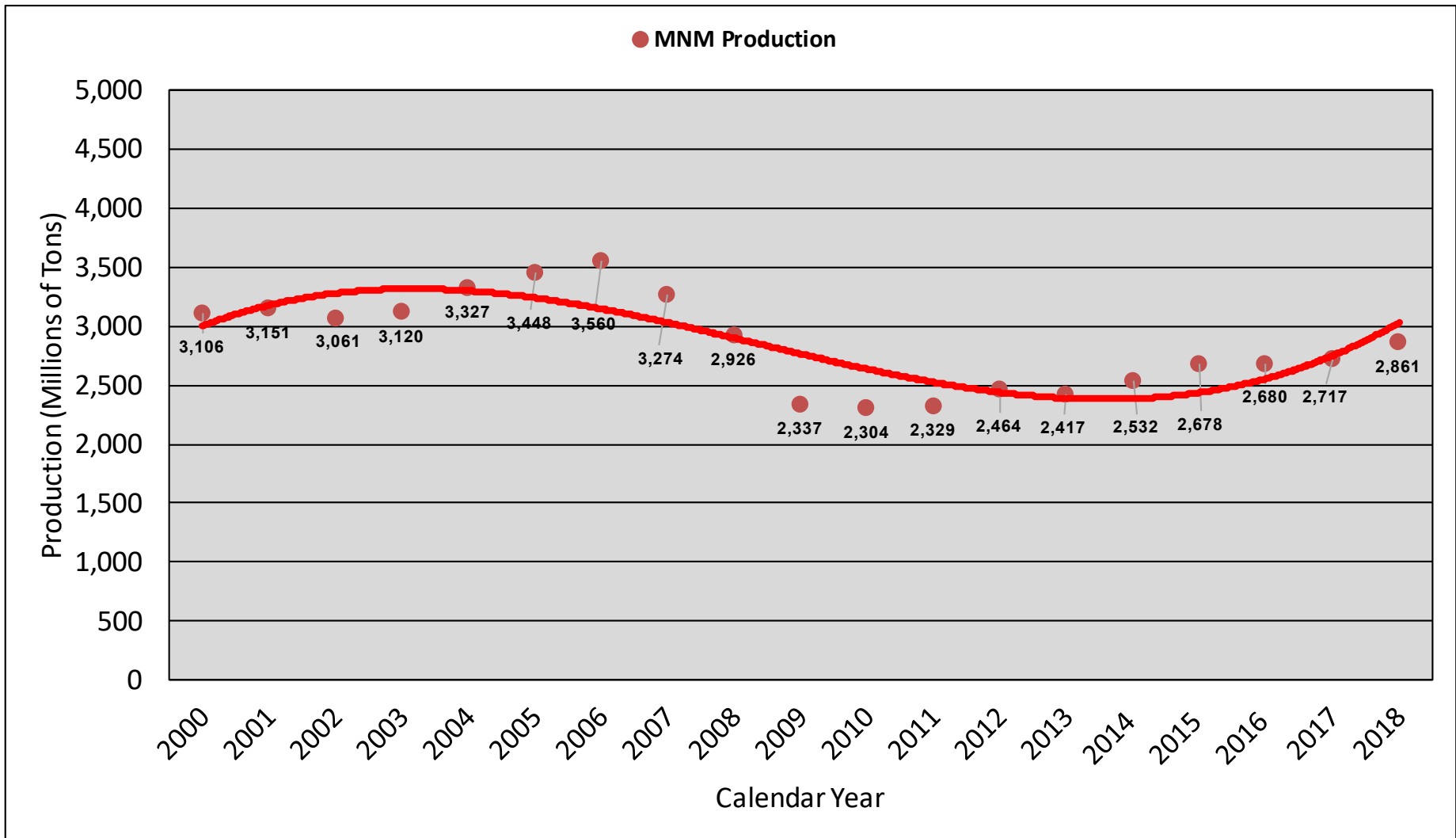
# Coal Production CY 2000-2018



Data generated on 5/31/2019



# MNM Production CY 2000-2018



Data generated on 5/31/2019

\*Limited set of production data for M/NM

SOURCES: U.S. Geological Survey, Mineral Commodity Summaries 2019



# Powered Haulage Safety Initiative

Powered Haulage accidents were responsible for 50% of fatalities in recent years; 13 of 27 (48%) in 2018

Preventing these accidents is a priority for MSHA, with a focus on:

- Mobile Equipment
- Belt Conveyors
- Seat Belt Safety



# View from the Operator's Cab





# Actual Activity on the Ground

Large vehicles striking other vehicles or pedestrians have killed 24 miners since 2003



# Belt Conveyors

- Seven miners killed working around belt conveyors since January 2017; four in coal, three in MNM
- Since 2008, 19 fatalities and more than 40 permanent injuries
- Guarding, lock-out tag-out, properly using crossovers - all essential for safety





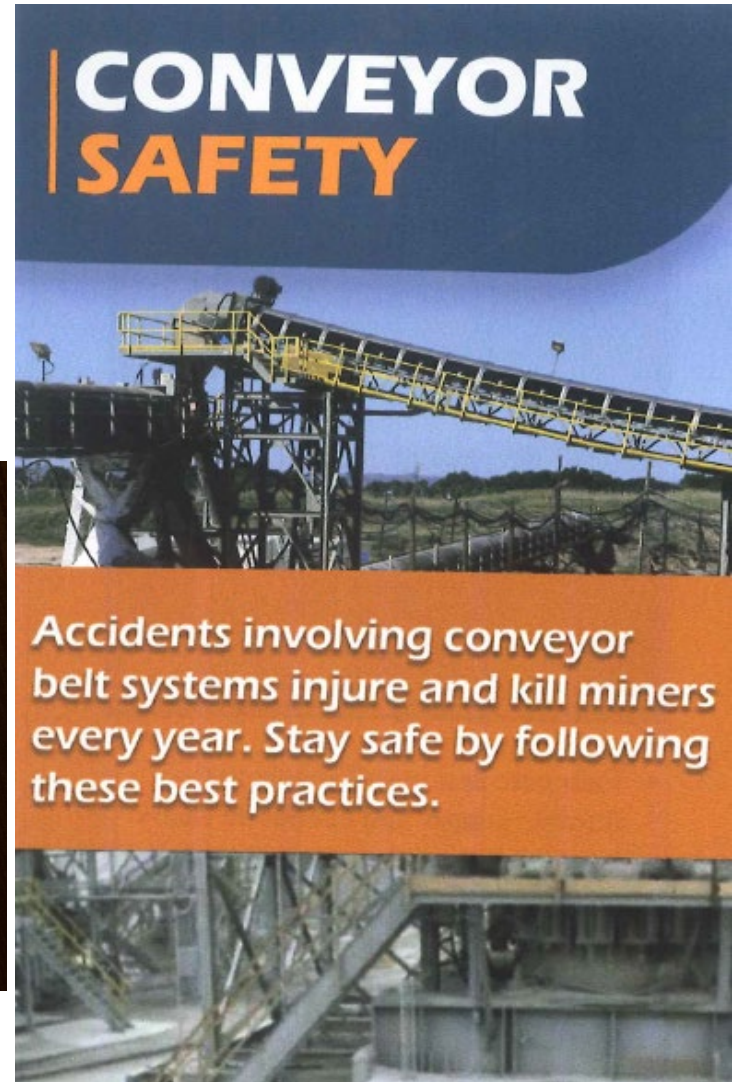
# Seat Belt Safety

- Three fatalities in 2017 and 2018, and 38 fatalities since 2007, involved miners not wearing seat belts
- 6000+ MSHA citations issued for failure to wear seatbelts since 2007 (most in MNM mines)



# Powered Haulage Safety Outreach

MSHA is distributing stickers, brochures and more to spread the word



# One MSHA Initiative

- Blurring the distinction between Coal and Metal/Nonmetal enforcement for more efficient use of resources
- Cross training inspectors and updating systems to accommodate change where it makes sense
- Inspector expertise still required for certain mines
- Moving to Phase 2 with an additional 117 mines



# Scofflaw Initiative

- Small share of operators are chronically delinquent and have poor safety records; worst violators selected each month
- Payment plans proposed/established or operator paid in full with total commitment of \$7.1 million
- 24 mines paid in full for \$1.7 million
- 43 104(a) citations issued; 21 104(b) orders issued, but none currently active



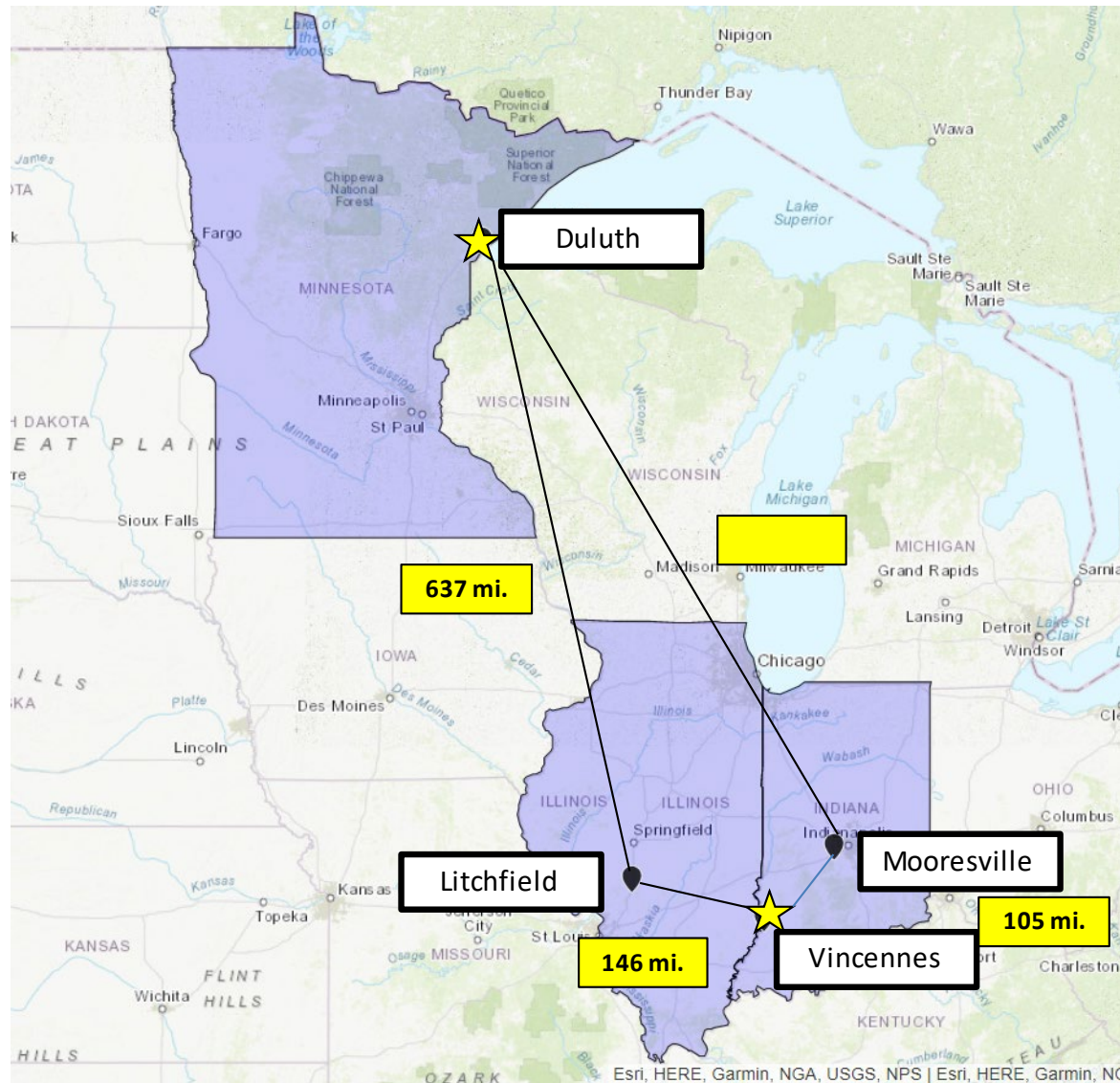
# In Summary: MSHA Today & Tomorrow

- Health Focus
- Regulatory Review
  - Dust
  - Diesel Emissions
  - Powered Haulage
- Mine Rescue Contests
- 2020 Budget Proposal





# MSHA Field Office Moves from North Central District to Vincennes District



# Questions?

