



Illinois Association of Aggregate Producers  
Springfield, Illinois  
April 12, 2018

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U.S. Department of Labor  
Mine Safety and Health Administration



# MSHA Leadership

- David Zatezalo – Assistant Secretary of Labor, MSHA
  - Former CEO Rhino Resources
  - Confirmed in November
- Wayne Palmer – Deputy Assistant Secretary for Policy
  - Appointed August 2017
  - Served as Senior White House Advisor for the Department of Labor and Chief of Staff to Secretary R. Alexander Acosta.



# The MSHA Mission

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

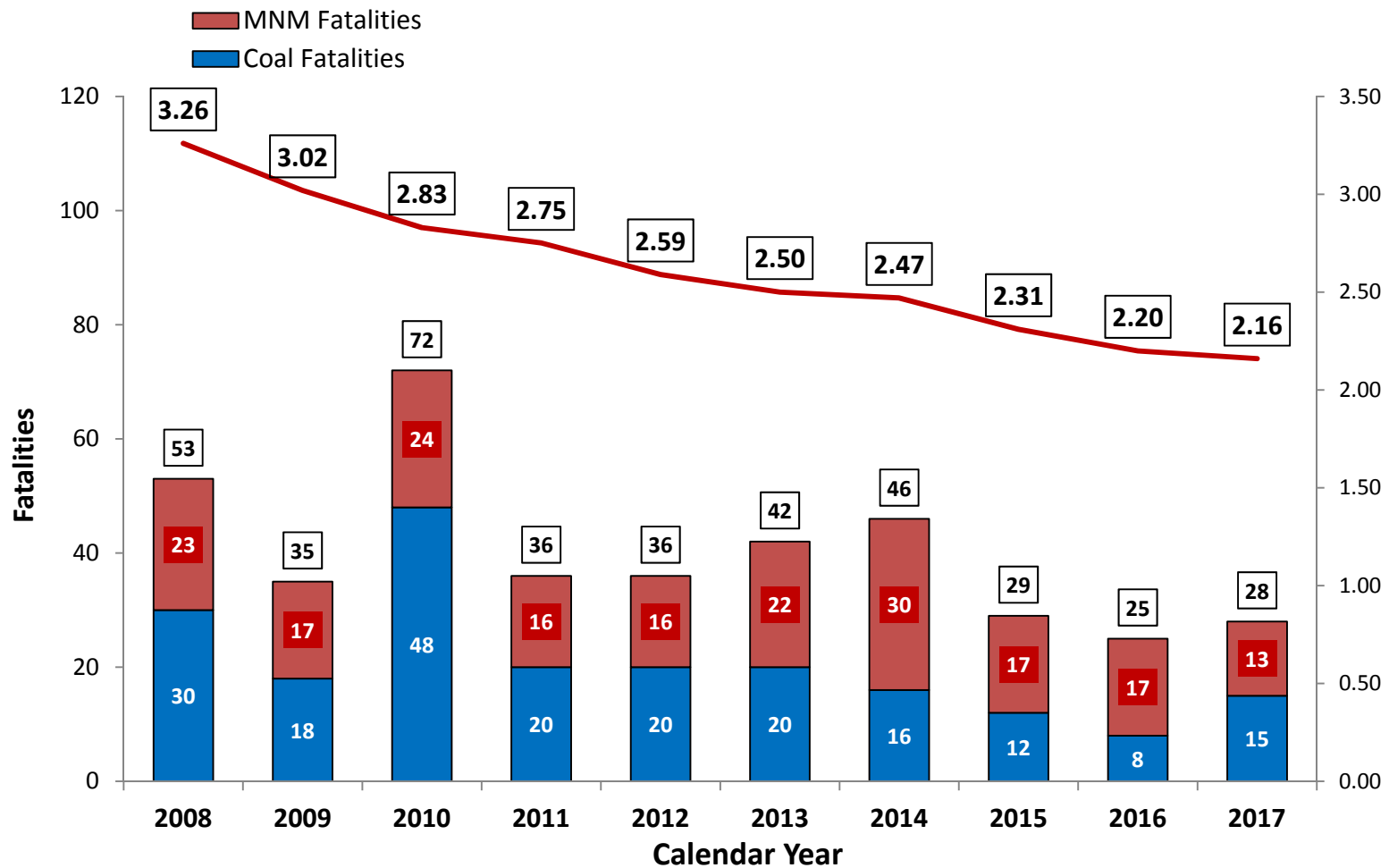


# MSHA's Tools

- Fair and consistent enforcement - mandated inspections (2s and 4s) are core responsibility
- Education and Training
- Compliance and Technical Assistance
- Technological Innovation – working with operators and manufacturers



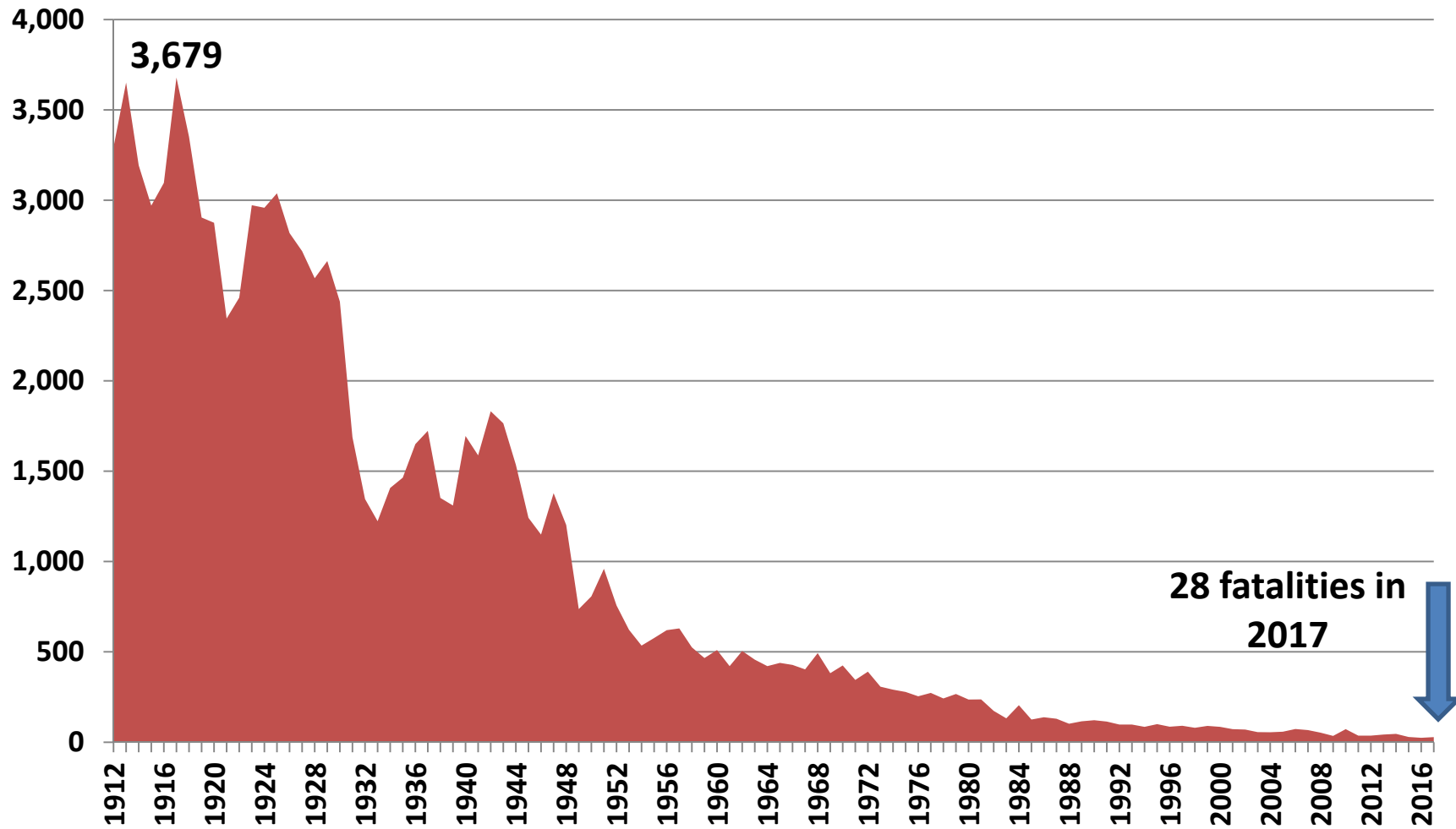
# ALL INJURY RATES & FATALITIES (CY 2008 – 2017)



Data run on 1/24/2018



# ALL MINING FATALITIES 1912-2017



# MSHA Data for 2017

<b># of Mines Reporting Employment</b>	<b>13,051</b>
<b>- Coal Mines Only</b>	<b>1,210</b>
<b>- Metal/Nonmetal Mines Only</b>	<b>11,846</b>
<b>Total Employment</b>	<b>319,691</b>
<b>MSHA Inspections Completed</b>	<b>39,800</b>
<b>Citations &amp; Orders Issued</b>	<b>105,176</b>
<b>Dollars Assessed (Millions)</b>	<b>\$53.3</b>



## MNM HIGHLIGHTS FOR 2017

	<b>ILLINOIS</b>	<b>NATION</b>
<b>No. of Mines Reporting Employment</b>	235	11,846
<b>Operator Employment<sup>#</sup></b>	3,276	168,106
<b>MSHA Inspections Completed<sup>*</sup></b>	561	26,298
<b>Citations &amp; Orders Issued</b>	1,493	58,158
<b>\$ Assessed (Millions)<sup>^</sup></b>	0.72	27.4

<sup>#</sup>State employment data reflects operator employment only (contractors do not report employment by state). Therefore, data presented here is does not include contractor employment.

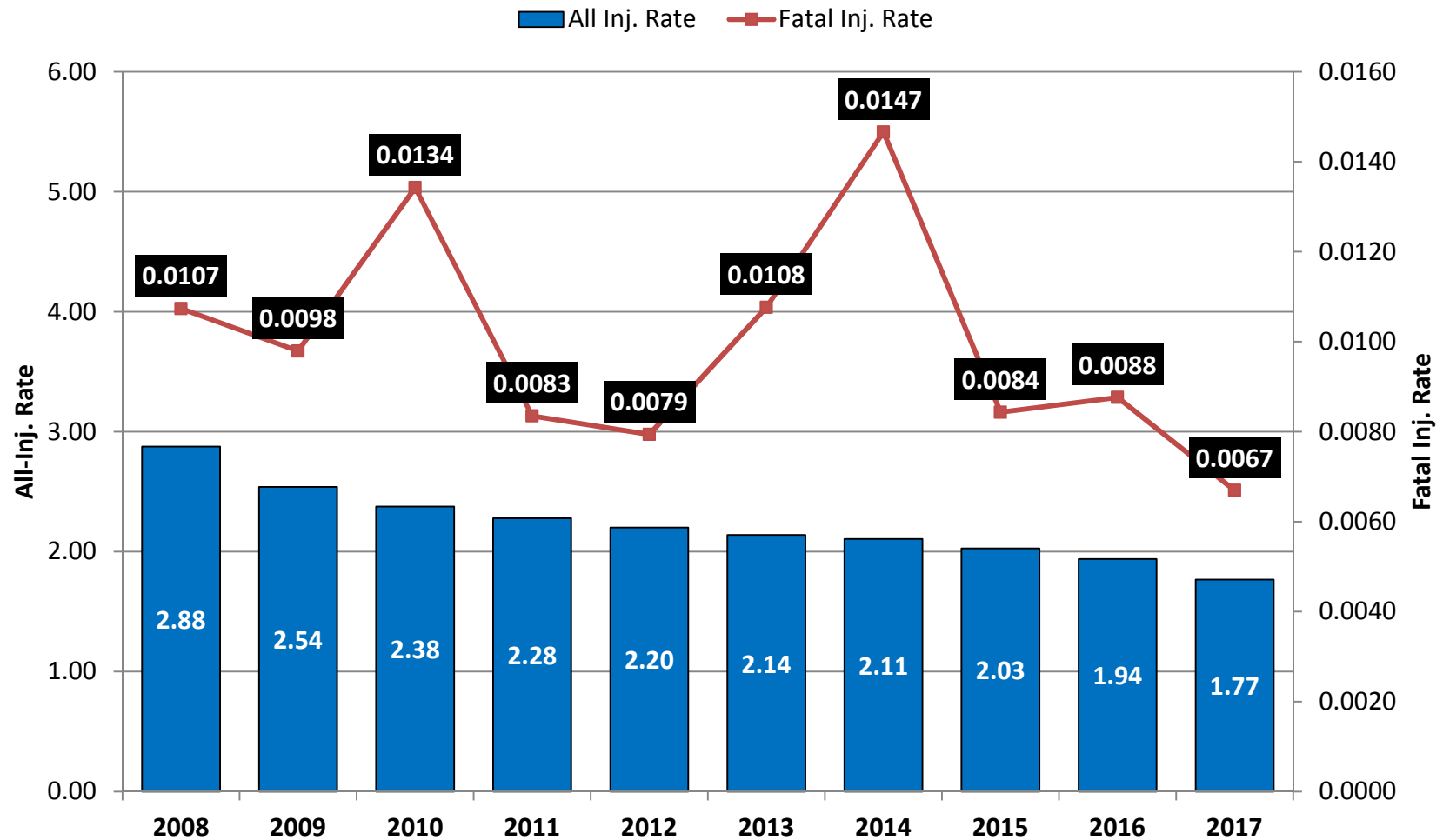
<sup>\*</sup>Excludes compliance assistance activities.

<sup>^</sup>Proposed penalty amount, In millions, of non-vacated violations assessed in 2017.



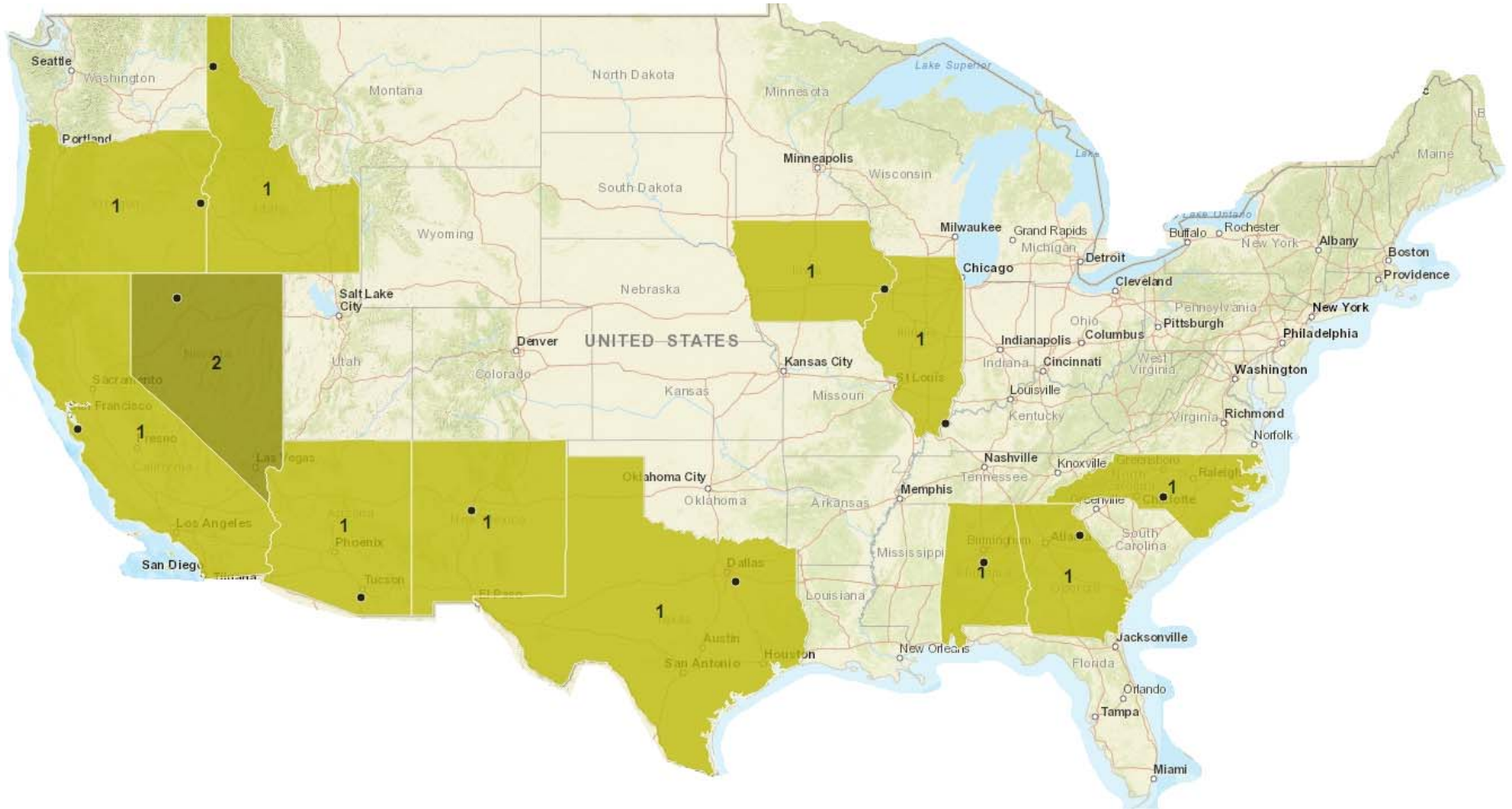


# MNM US Mines - Fatality and All-Injury Rates 2008-2017



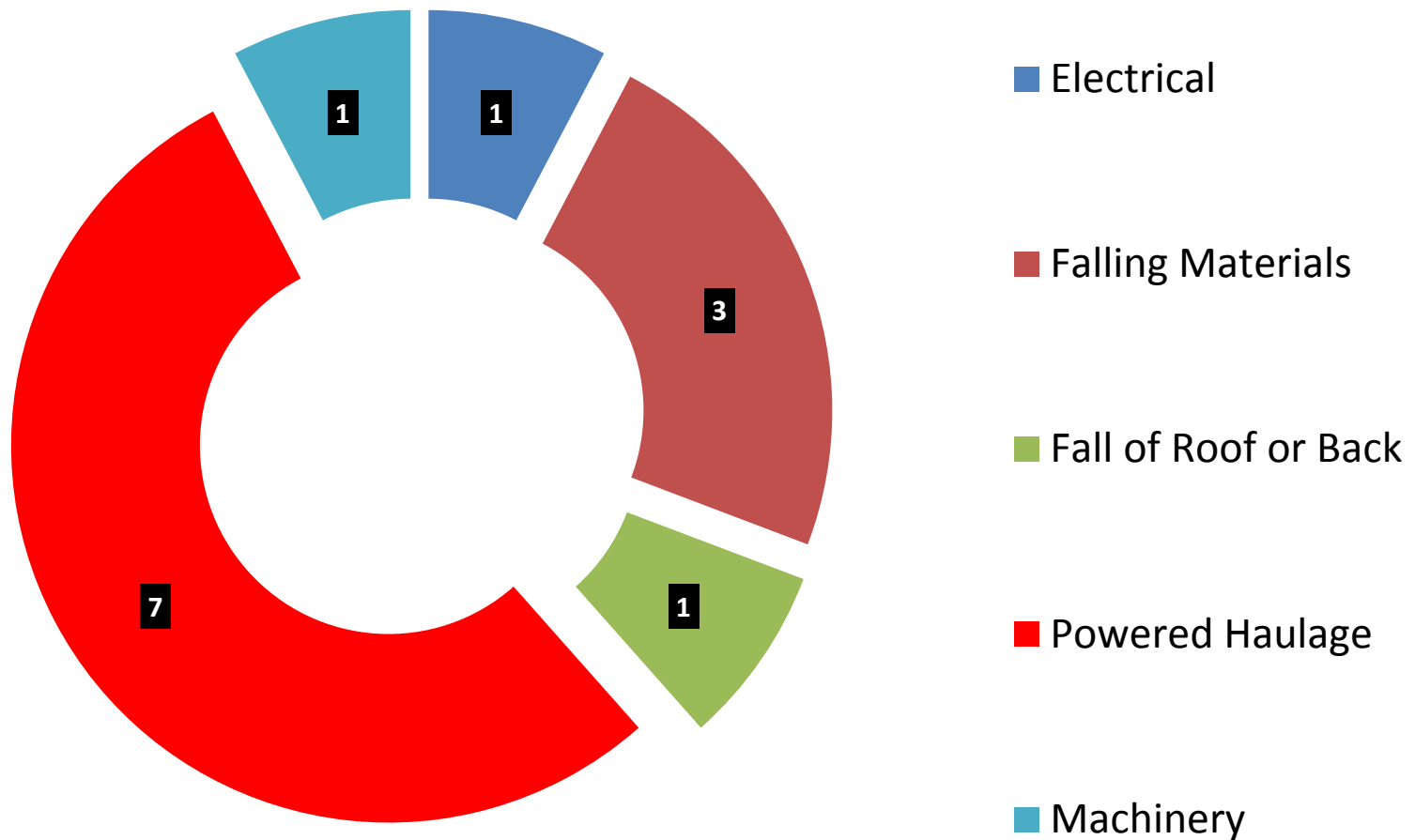
# MNM Fatalities in 2017

## 13 Fatalities Occurring in 12 States



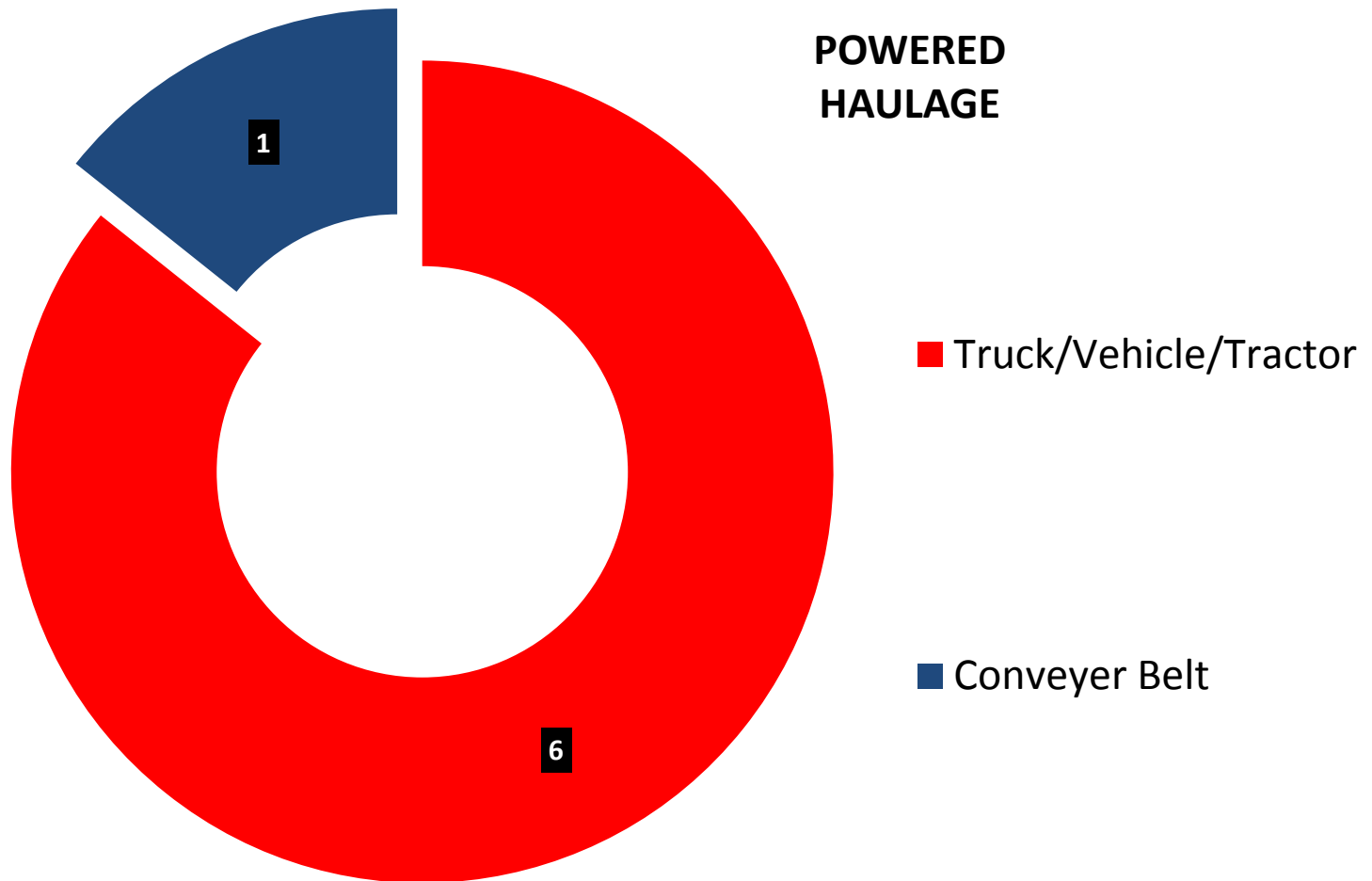
# MNM FATALITIES IN 2017

## BY CATEGORY



# MNM FATALITIES IN 2017

## BY CATEGORY



# Powered Haulage

- In 2017 43% or 12 of the 28 total mining fatalities involved powered haulage.
- The first fatality this year was powered haulage.

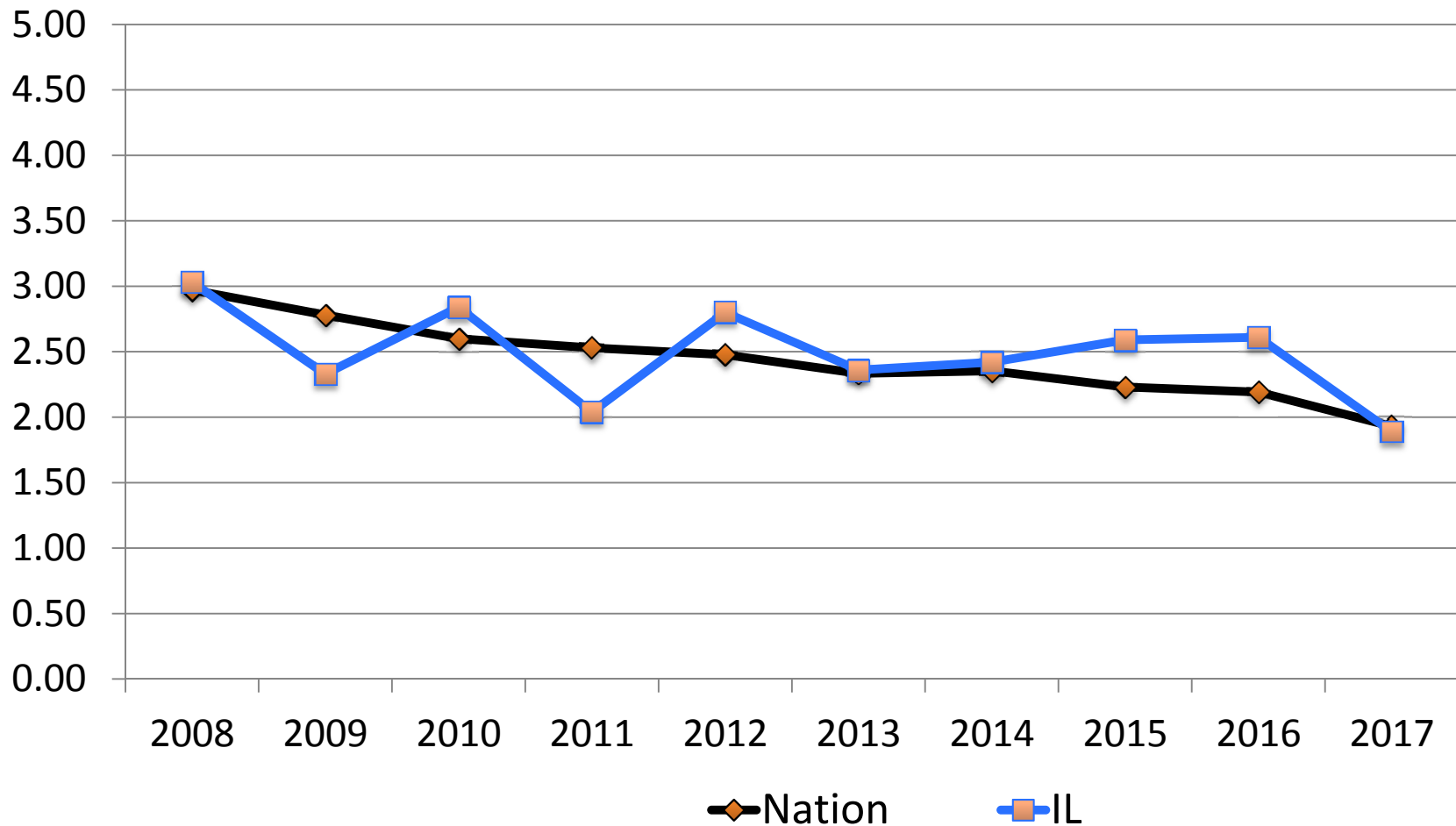


# Seat Belts

- From 2007 thru 2017 there were 36 fatalities involving mobile equipment where miners were not wearing their seat belt.
- 19 in MNM and 17 in Coal.
- On average 3 - 4 miners die each year in mobile equipment accidents as a result of not wearing a seat belt.
- This should be an easy fix?



## AGGREGATES ALL INJURY RATES\* 2008-2017



\*The all injury rate represents the number of reportable injuries per 200,000 exposure hours.

NOTE: State employment data reflects operator employment only (contractors do not report employment by state). Therefore, data represented here excludes contractor injuries and hours.

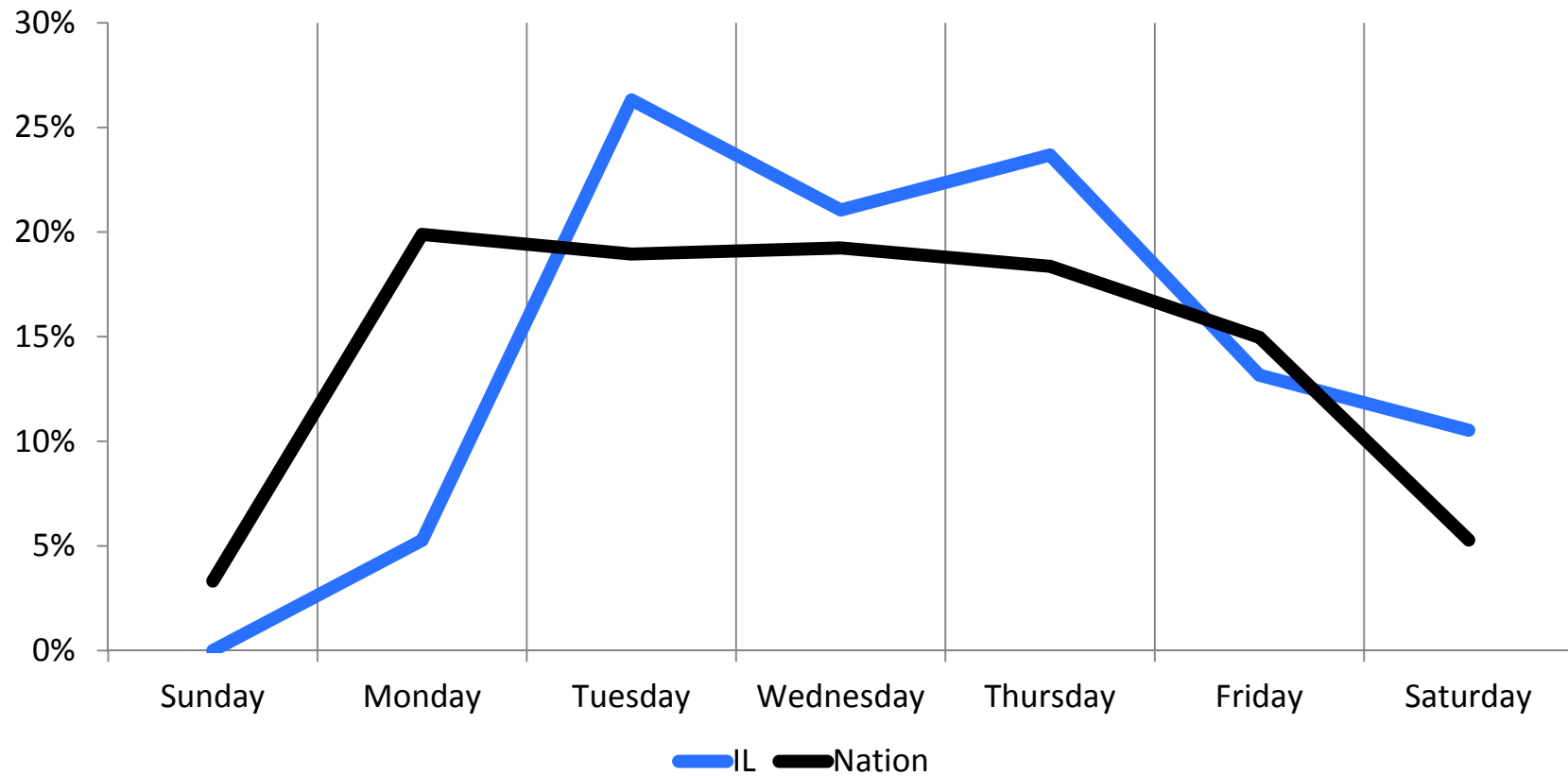


# LOST TIME (LT) INJURIES WITHIN THE AGGREGATES INDUSTRY...

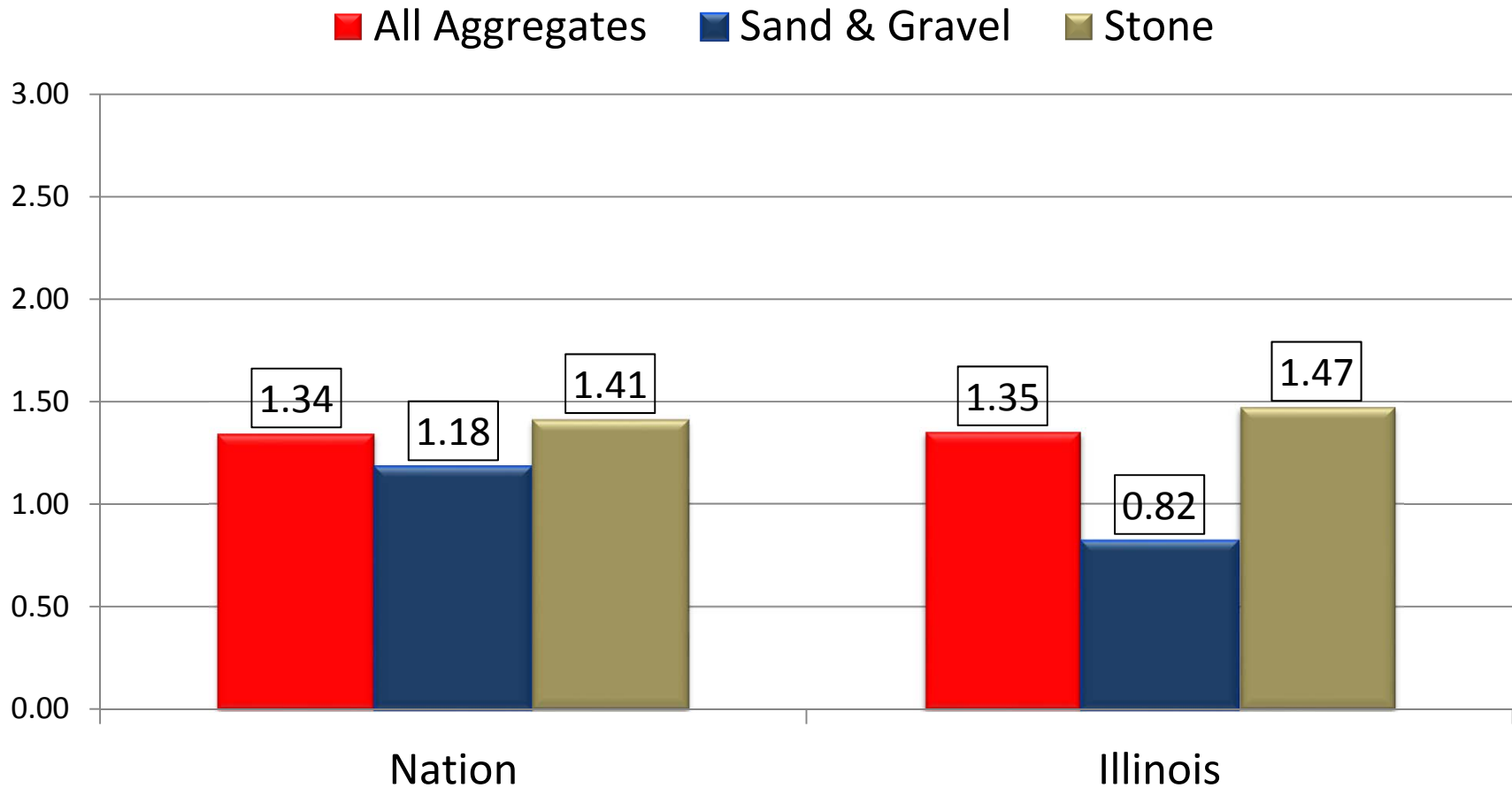




# PERCENT OF LT INJURIES FOR AGGREGATES 2017 BY STATE & DAY OF WEEK



## LT INJURY RATE FOR AGGREGATES 2017 BY STATE



NOTE: State employment data reflects operator employment only (contractors do not report employment by state). Therefore, data represented here excludes contractor injuries and hours.



**Slide 18**

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**MSHA1**

I can trend this out historically...

MSHA, 3/12/2018

# DISTRIBUTION OF LT INJURIES FOR AGGREGATES 2017 BY EXPERIENCE

	EXPERIENCE				
	5 years or less	5 to 10 years	10 to 20 years	20 to 30 years	More than 30 years
ILLINOIS	57%	9%	14%	6%	14%
NATION	53%	11%	21%	9%	5%

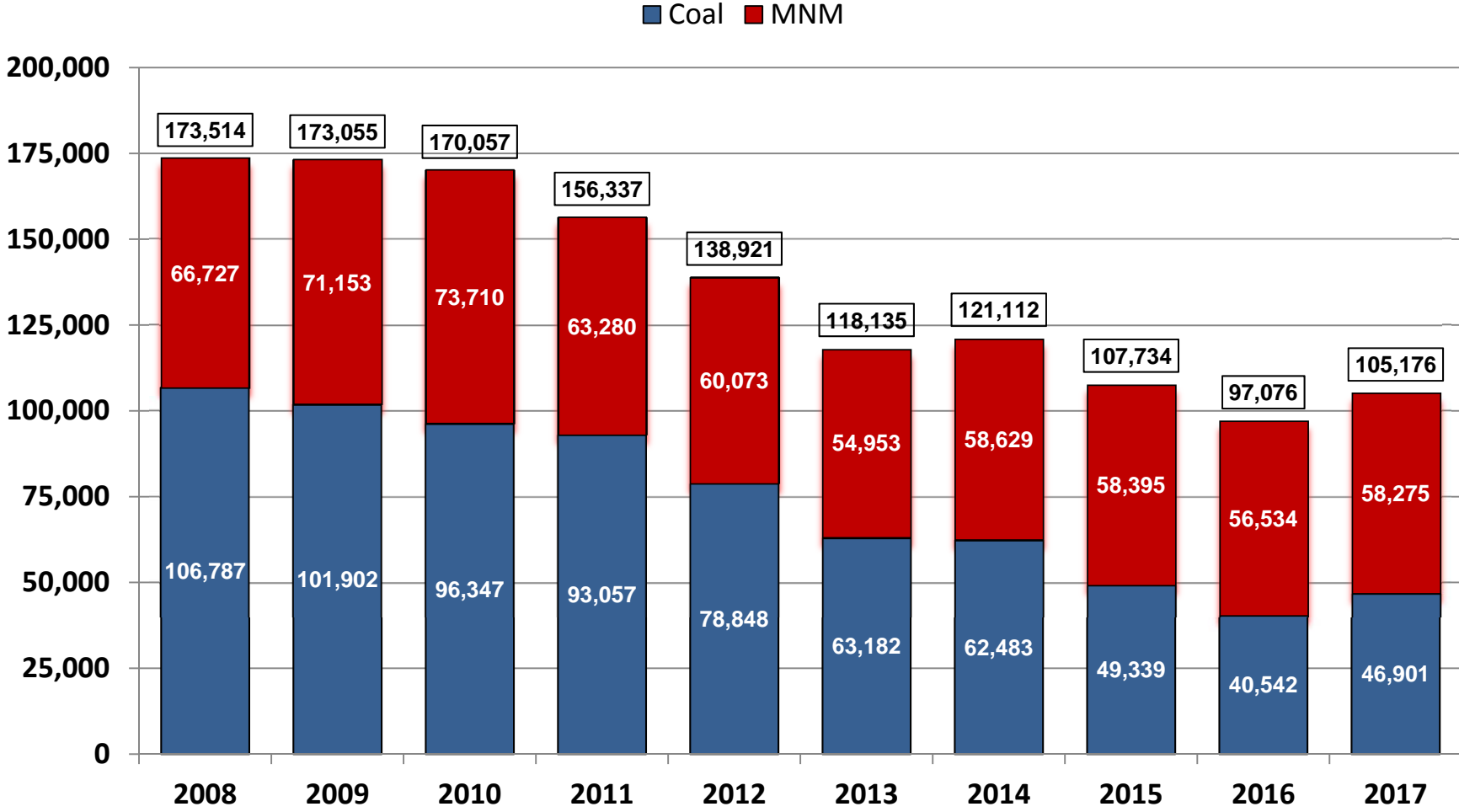


IN 2017, APPROXIMATELY 50 PERCENT OF LT INJURIES OCCURRED WITHIN 3 OCCUPATIONS (AGGREGATES)

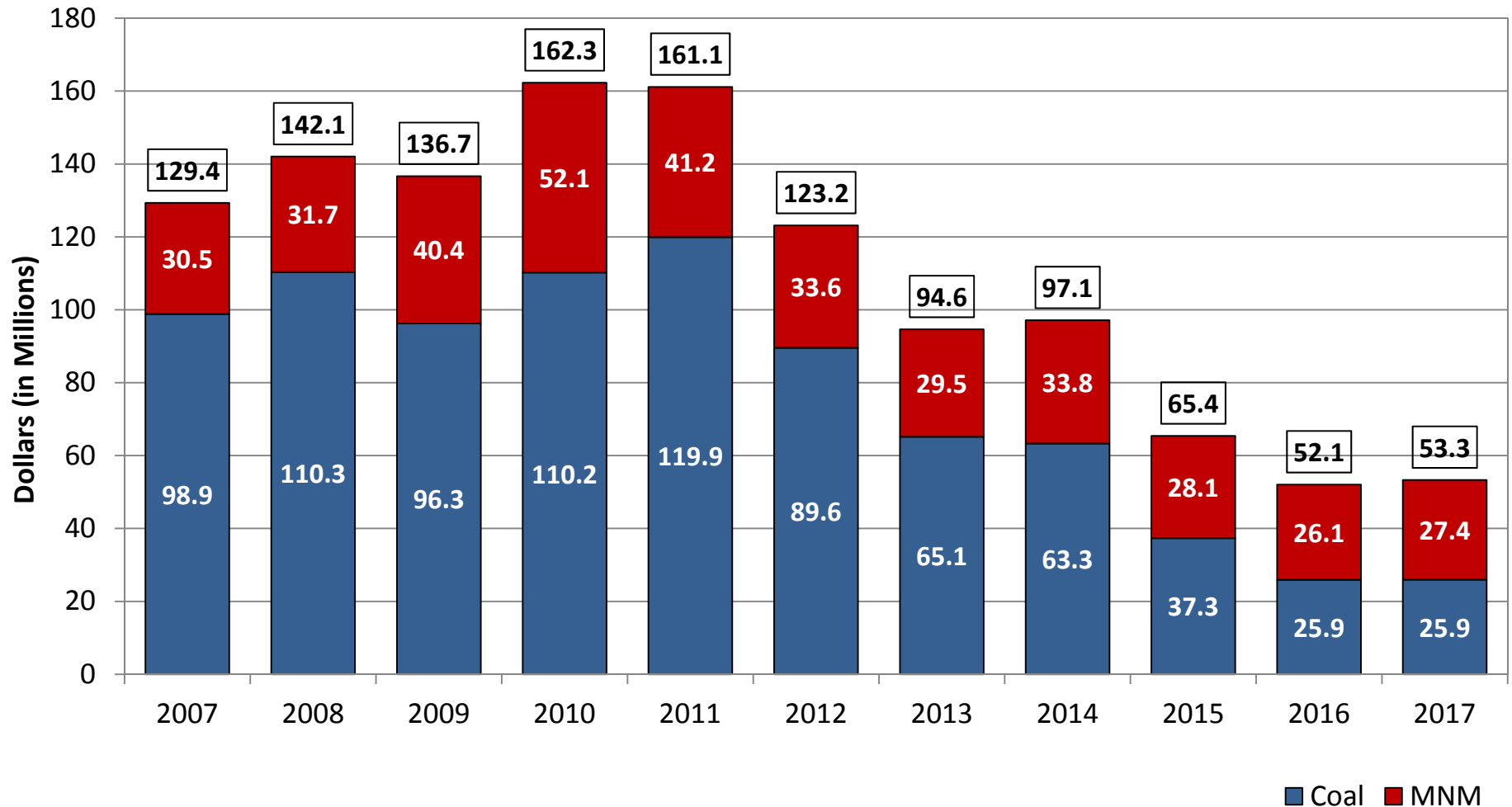
Rank	Nation	IL
1	Maintenance/ Repairman (18.3%)	Maintenance/ Repairman (20.0%)
2	Laborer (18.2%)	Laborer (14.3%)
3	Heavy Equipment Operator (13.8%)	Utility man (11.4%)
%	50.3%	45.7%



# Citations & Orders Issued 2008-2017



# Penalties on Issued (\$) Citations and Orders 2008-2017



# Regulatory Update

- **Examinations of Working Places in Metal and Nonmetal Mines**
- **Exposure of Underground Miners to Diesel Exhaust**





# Regulatory Reform

- January 30, 2017, Executive Order on Reducing Regulation and Controlling Regulatory Costs
- MSHA will conduct stakeholder outreach by:
  - Holding stakeholder meetings
  - 2 RFIs asking for information
    - Reducing burdens
    - Granted petitions for modifications



# Agency Priorities

- Fulfill the requirements of the Mine Act
- Work with all stakeholders to improve safety and health in the mining industry
- Seek out and encourage adoption of new safety & health technology
- Prepare for the infrastructure push



# Technology

- Enhance what you already have.
- Autonomous vehicles.
- Drones
- Remote operation of equipment.
- What if it doesn't work?



# Budget

- Continuing Resolution
- FY '19
- President's Budget
- Final Appropriations



# Initiatives

- “Blur the Lines”
- Modernize the Inspection Process.
- Scofflaw Program
- Continue to work on consistency.



There is still more to the story...

