



June 20, 2018

Association of Equipment Manufacturers
Construction Equipment Standards and Regulations Committee

MSHA: 2017 in Review and a Look Ahead

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The MSHA Mission

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



A Shared Objective

Safety is:

- Efficiency
- Profitability
- The right thing to do

President Trump and Secretary of Labor Acosta are committed to mine safety and health. Let's work together to reach the next level.



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, manufacturers and NIOSH

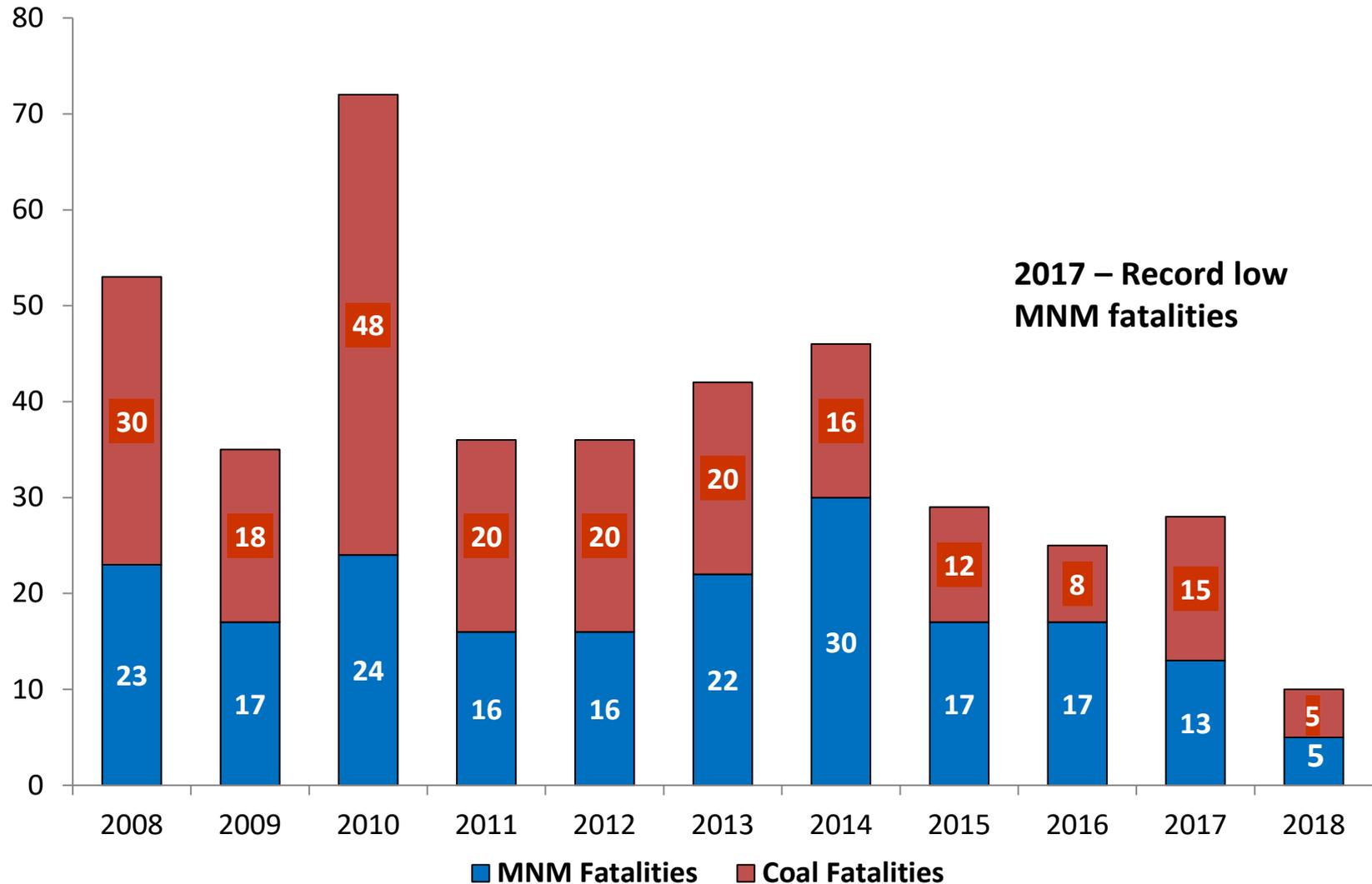


MSHA Highlights for 2017

# of Mines Reporting Employment	13,075
- Coal Mines Only	1,214
- Metal/Nonmetal Mines Only	11,861
Total Employment*	320,882
MSHA Inspections Completed	38,970
Citations & Orders Issued	104,935
Proposed Dollars Assessed (Millions)	\$53.08



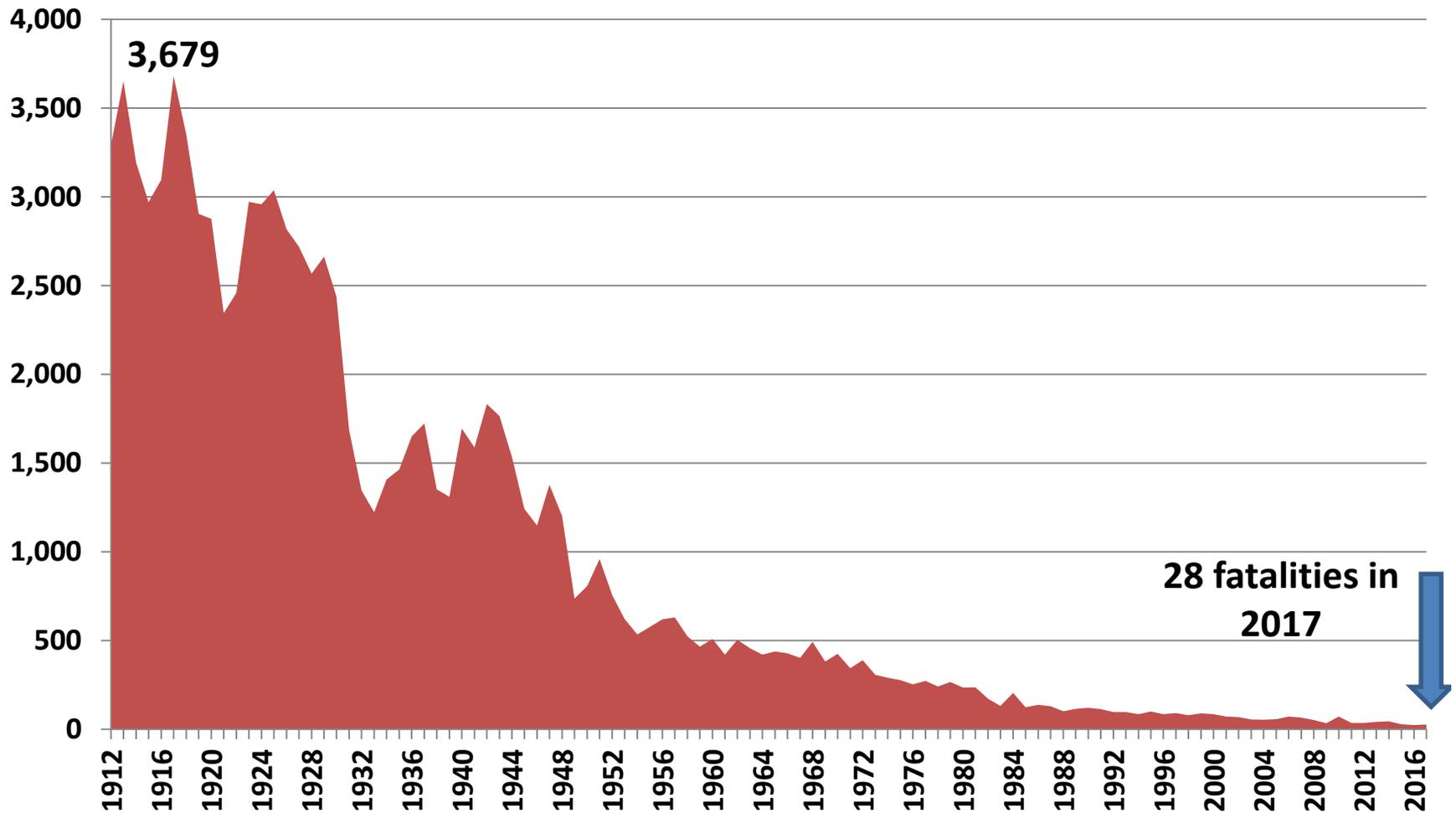
U.S. MINING FATALITIES COAL and METAL/NONMETAL 2008-2018



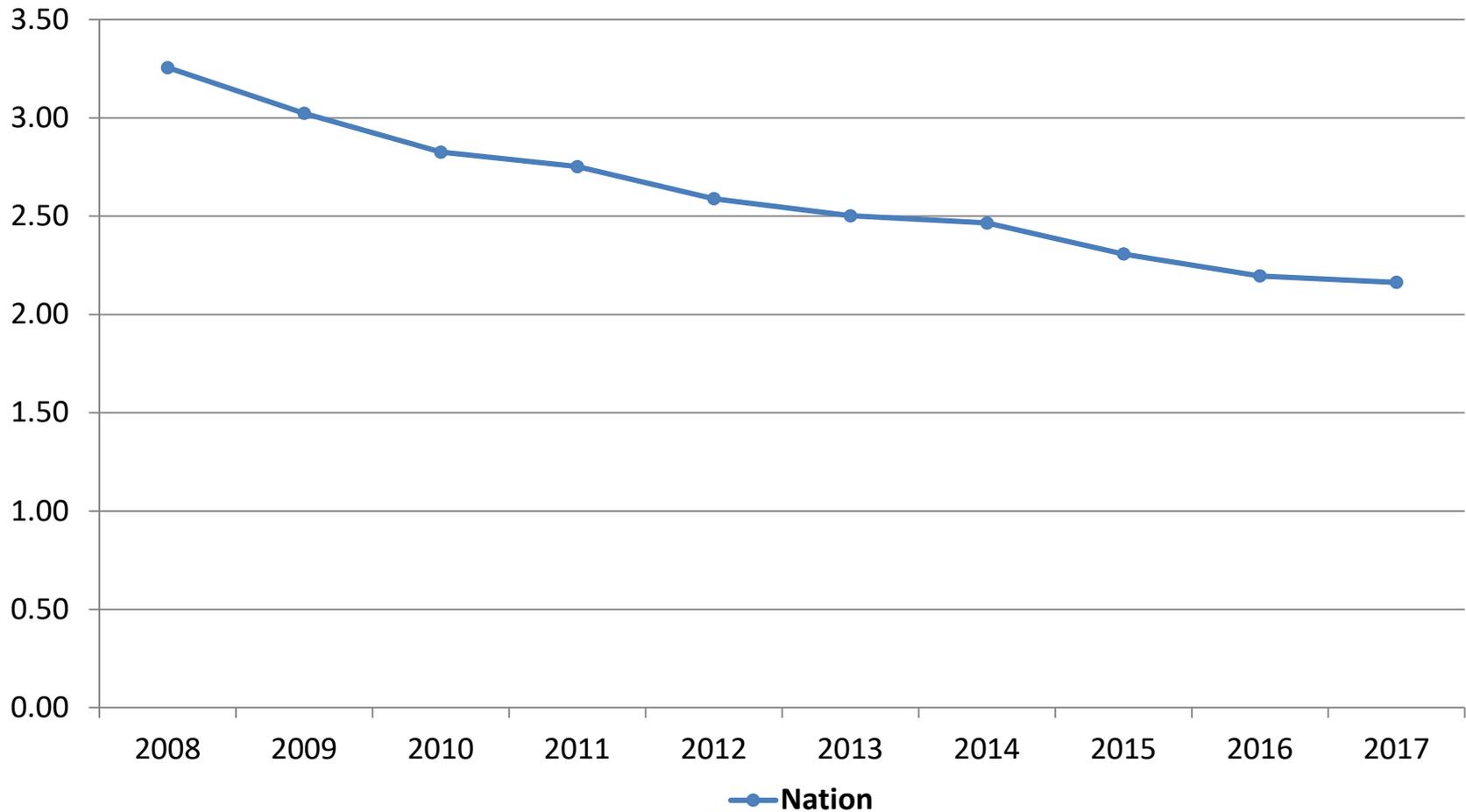
Data as of June 19, 2018.



ALL MINING FATALITIES 1912-2017



MINING REPORTABLE 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, state data only includes operators, while National data includes both operators and contractors.

Data as of April 30, 2018.



Safety and Technology

- Continuous improvement; adapt as new technology emerges
- Proximity detection in underground mines a success
- Worth pursuing: Fatigue management, seat belt improvements, collision avoidance on surface, more
- Let's take care of the people going to work tomorrow morning



Powered Haulage Safety Initiative

- Powered Haulage = 50% of fatalities in 2017; 50% of fatalities so far in 2018
- New MSHA initiative to reduce powered haulage accidents
- Outreach, training, collaboration with operators and miners, RFI
- Three target areas (initially): Large vehicles/blind spots; seatbelt usage; conveyor belt safety



Large Vehicles Striking Small Vehicles

2017 Nationwide: 4 fatalities from large vehicles hitting smaller vehicles

Since 2003: 23 such fatalities – Unacceptable!

Proximity detection for surface mines?



Large Vehicles Striking Small Vehicles



Seat Belt Safety

- Three fatalities in 2017, and 35 fatalities since 2007, involved miners not wearing seat belts
- 6000+ MSHA citations issued for failure to wear seatbelts since 2007 (most in MNM mines)



Loader operator saved by wearing seat belt

Conveyor Belt Safety

- Five miners killed working around conveyor belts since January 2017: four in coal, one in MNM
- Since 2008, total of 18 conveyor-related fatalities and 41 conveyor-related permanent injuries
- Guarding, lock-out tag-out, properly using crossovers, all essential for safety



Policy Update

- Diesel exhaust
- Retrospective review of dust rule
- Silica and dust standards
- Request for Information (RFI) on Powered Haulage Safety



Scofflaw Initiative

- Small share of operators are chronically delinquent and have poor safety records
- Monthly batches of letters to worst violators; nearly 30 sent to debtors so far
- 10 payment plans proposed/established with commitments of more than \$2 million
- One 104(b) order issued; the mine entered into a payment plan and reopened





Questions?

*"Daddy
© Way*

