



Kentucky PEM Seminar September 6, 2019

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



The MSHA Mission

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

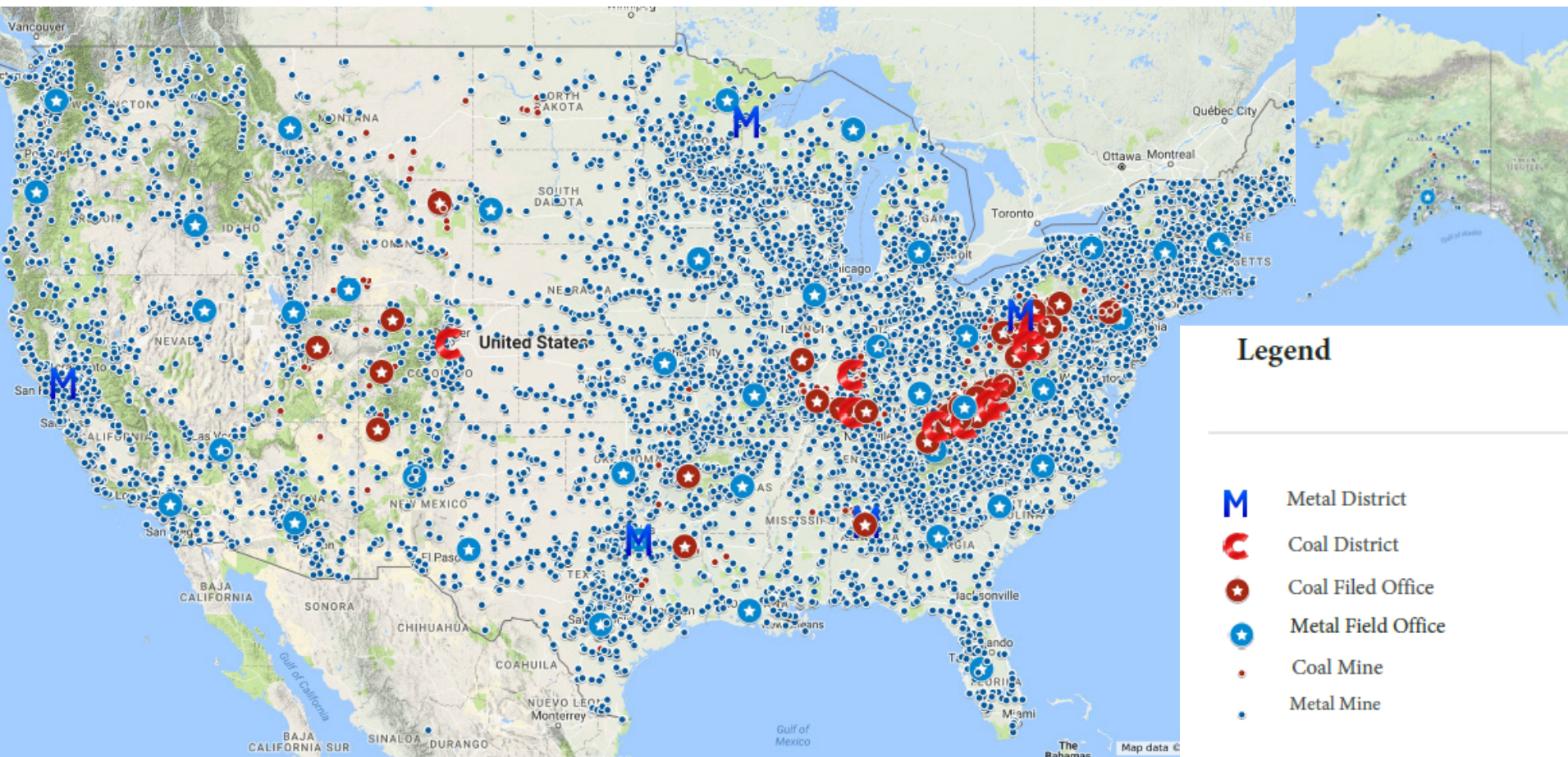


MSHA Data for 2018

# of Mines Reporting Employment	13,064
- Coal Mines Only	1,191
- Metal/Nonmetal Mines Only	11,873
Total Employment	332,126
MSHA E01 Inspections Completed	19,217
Citations & Orders Issued	97,583



U.S. Active Mines



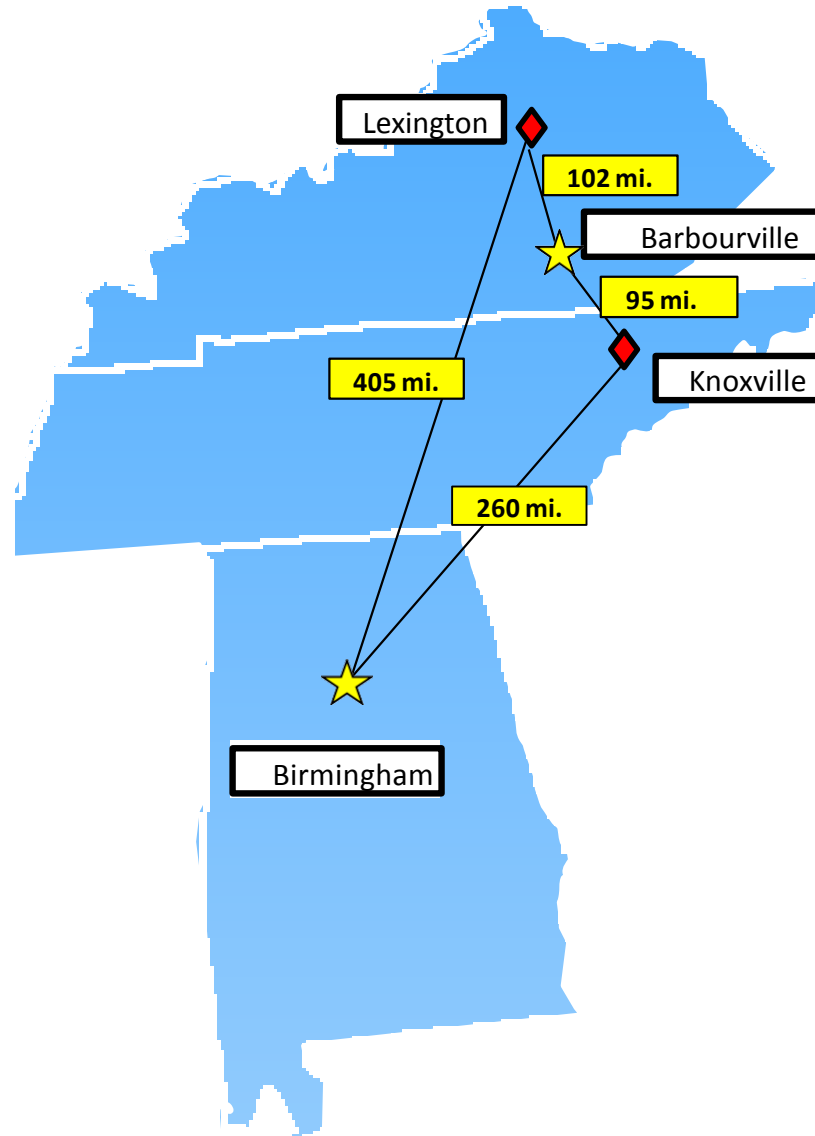
One MSHA Initiative

Phase 2

- MSHA has cross-trained inspectors and updated sites to blur the distinction between Coal and Metal/Nonmetal Enforcement *where it makes sense*.
- *Expertise still required for certain mines.*
- About 123 additional mines inspected by cross-trained inspectors, totaling 213 mines.
- 12 Field offices and duty stations report to different District Offices. (3 Coal, 9 MNM)



MSHA Field Office Moves from Southeast District to Barbourville District



COAL NATIONAL AND STATE DATA FOR CY 2018

	Kentucky	NATION
No. of Mines Reporting Employment	253	1,191
Operator Employment #	6,834	55,528
MSHA E01 Inspections Completed	709	3,171
Citations & Orders Issued	11,241	46,785

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



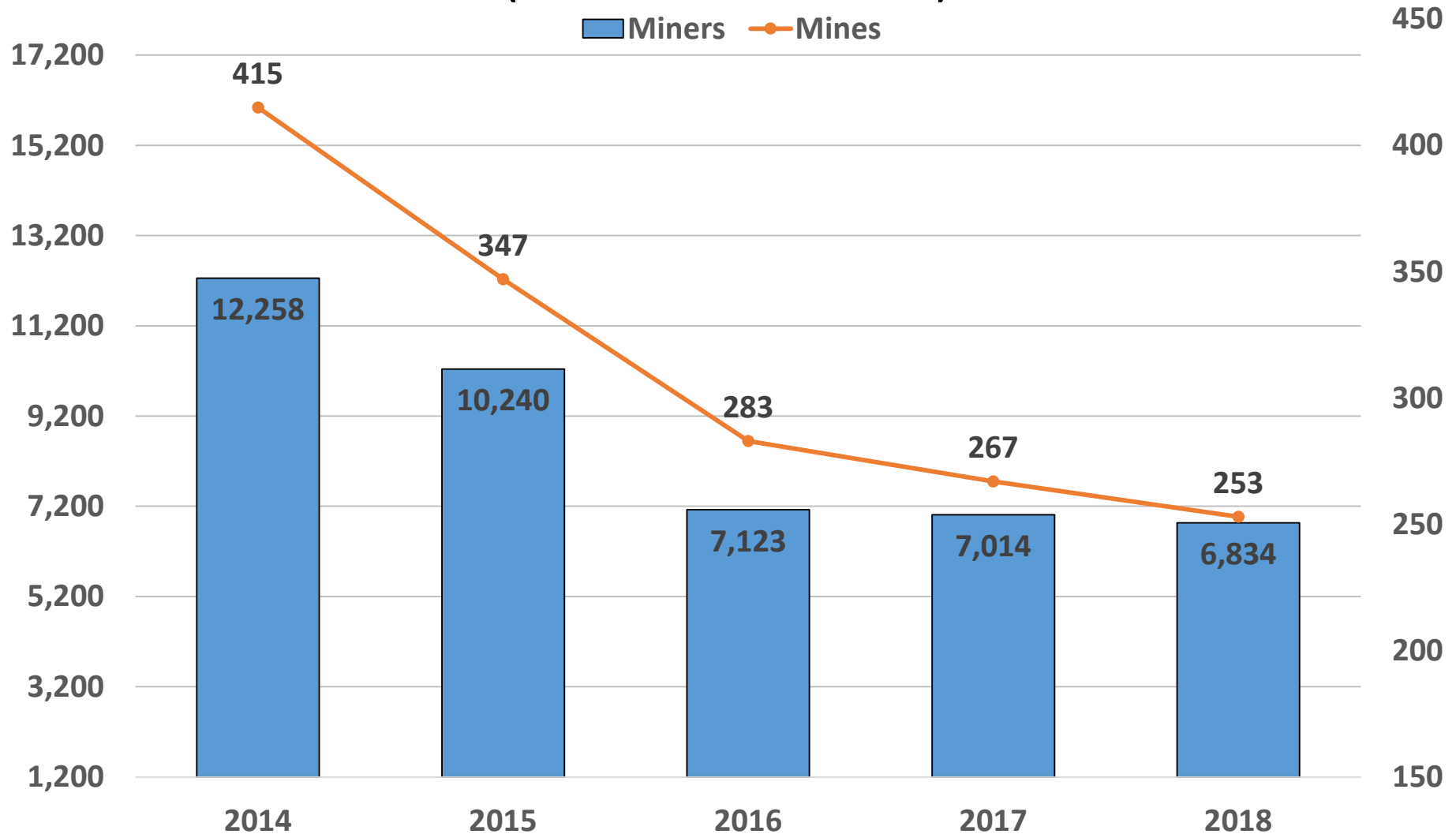
MNM NATIONAL AND STATE DATA FOR CY 2018

	Kentucky	NATION
No. of Mines Reporting Employment	121	11,873
Operator Employment #	2,737	173,609
MSHA E01 Inspections Completed	297	16,046
Citations & Orders Issued	593	50,798

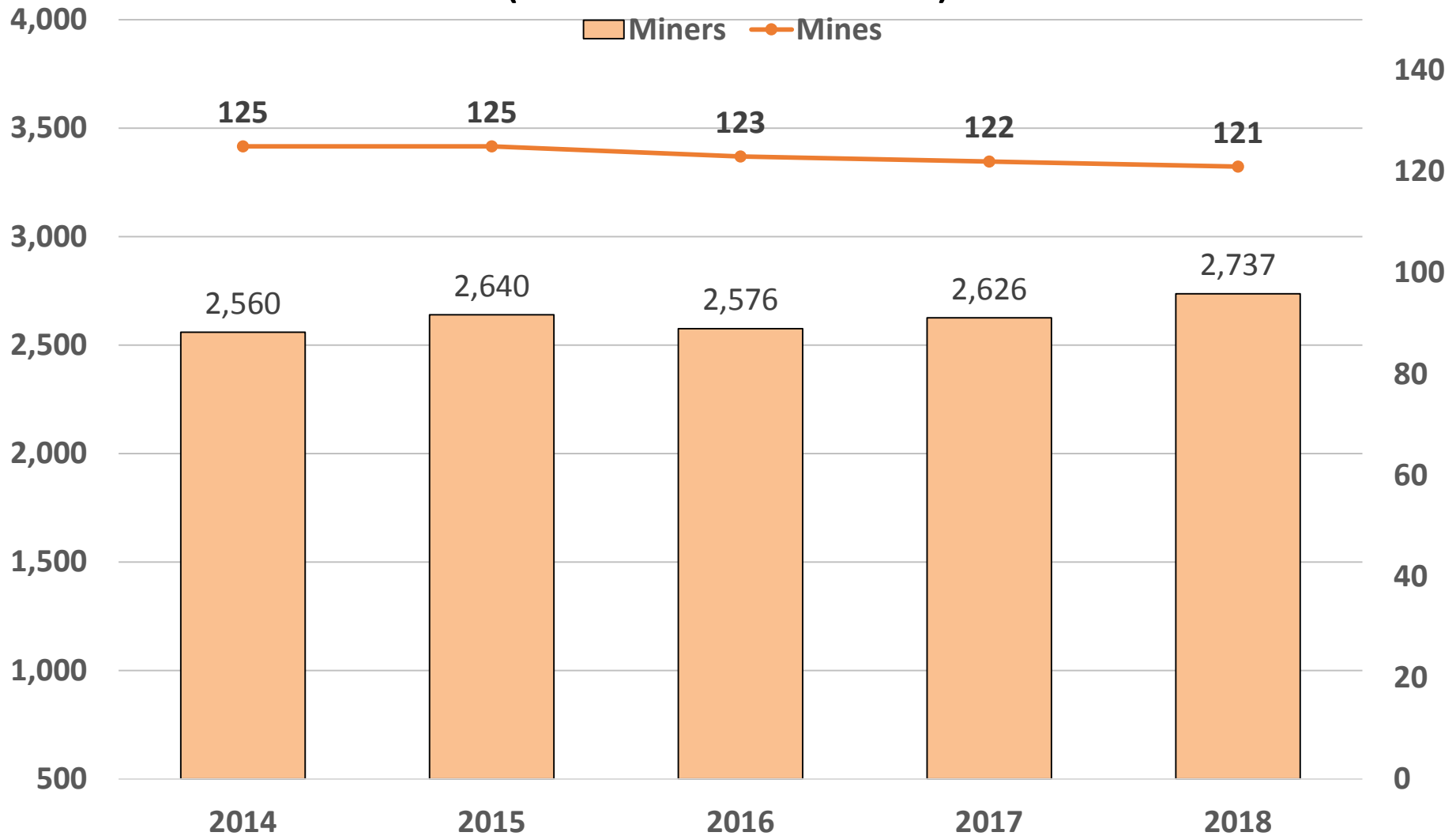
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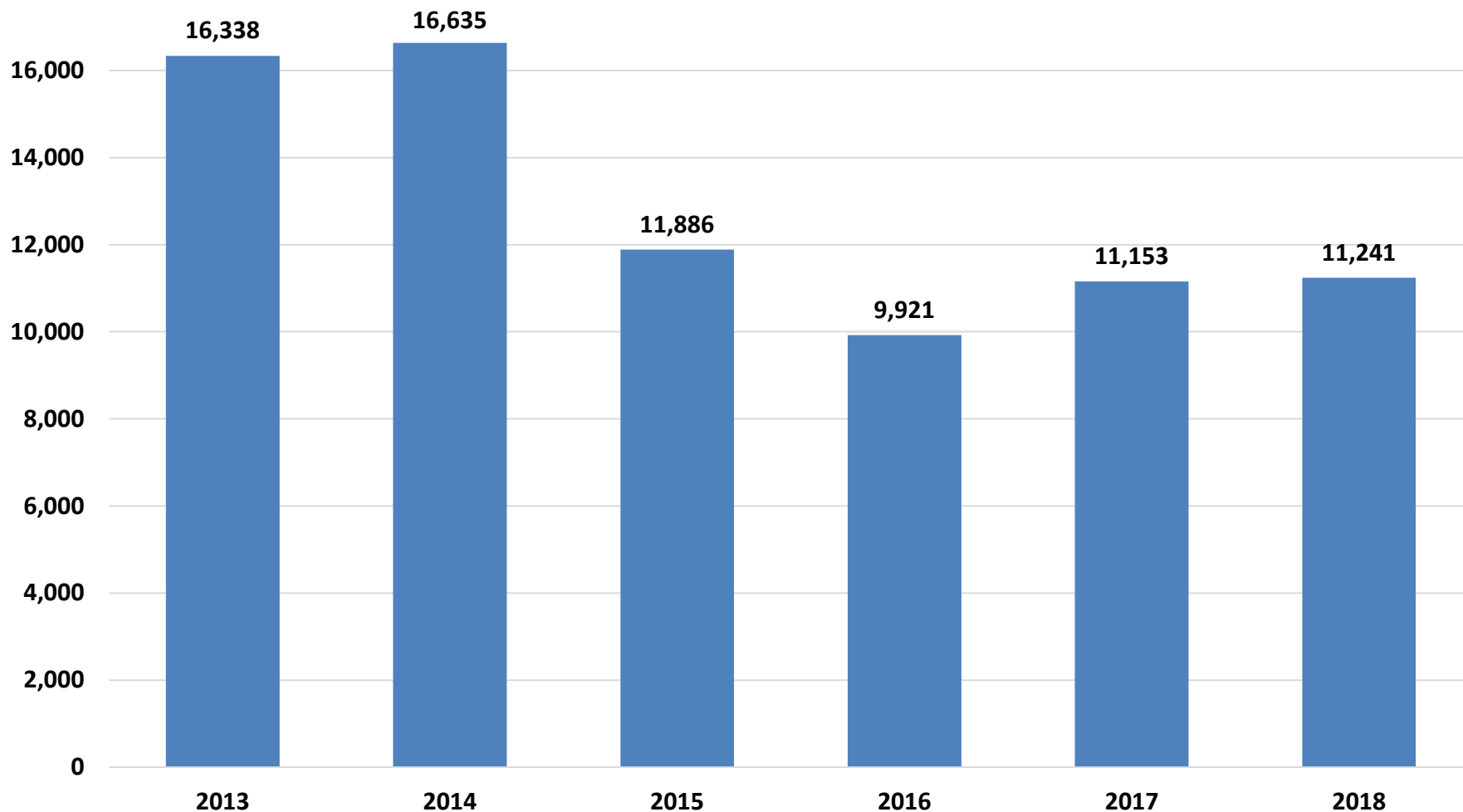
Kentucky Coal Operator Miners & Mines (CY2014 – CY2018)



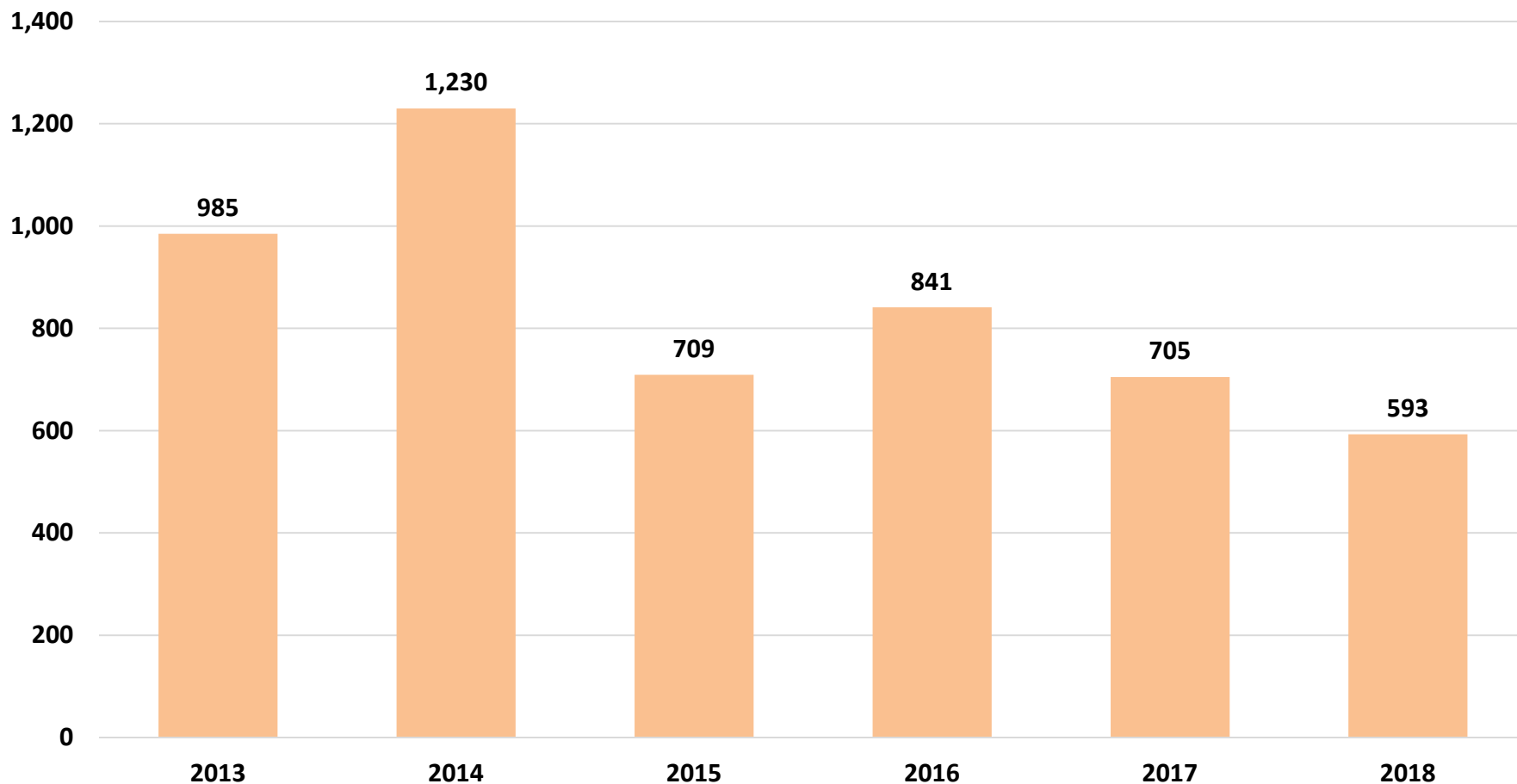
Kentucky MNM Operator Miners & Mines (CY2014 – CY2018)



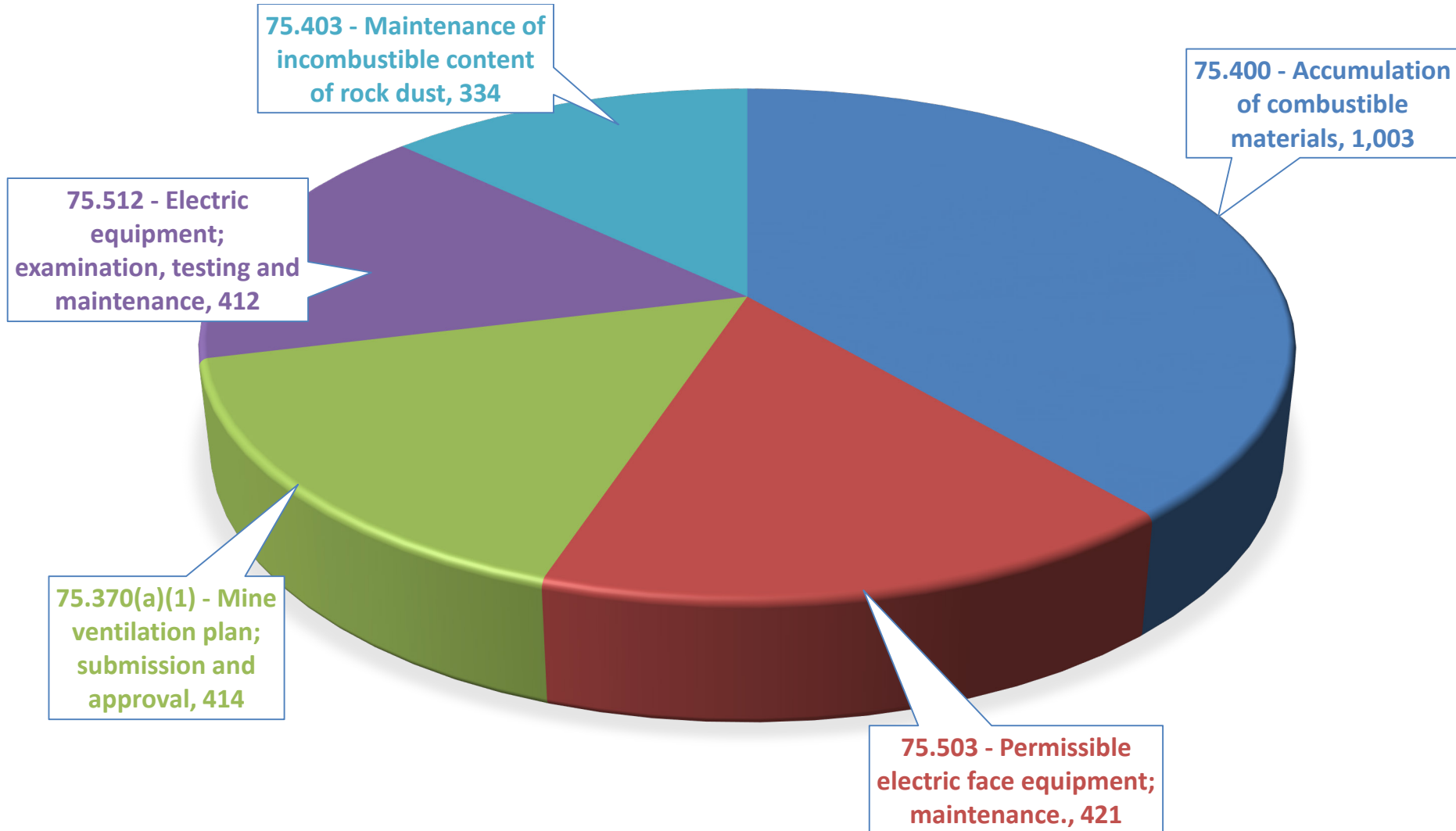
Citations and Orders Issued at Kentucky Coal Mines



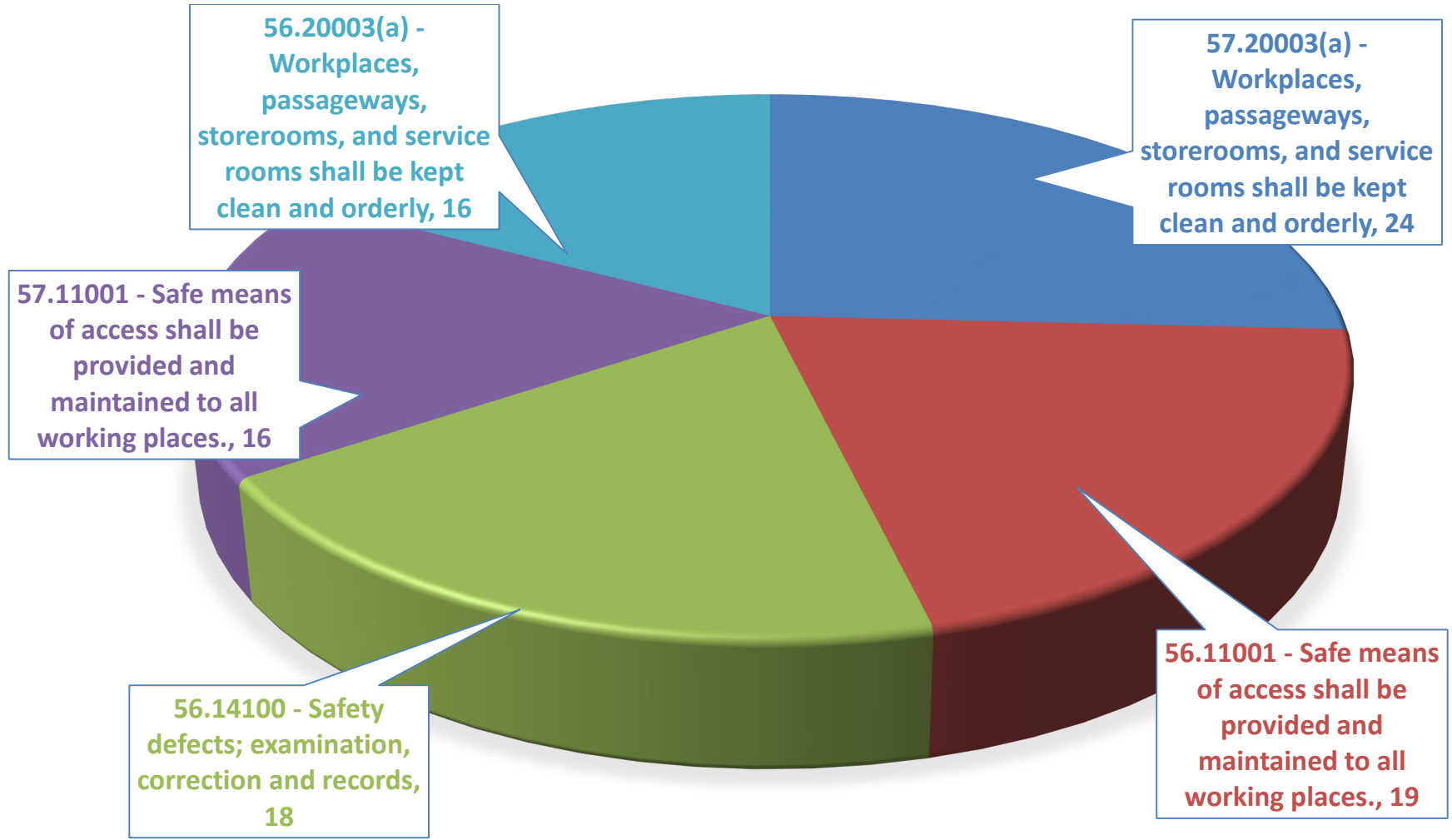
Citations and Orders Issued at Kentucky MNM Mines



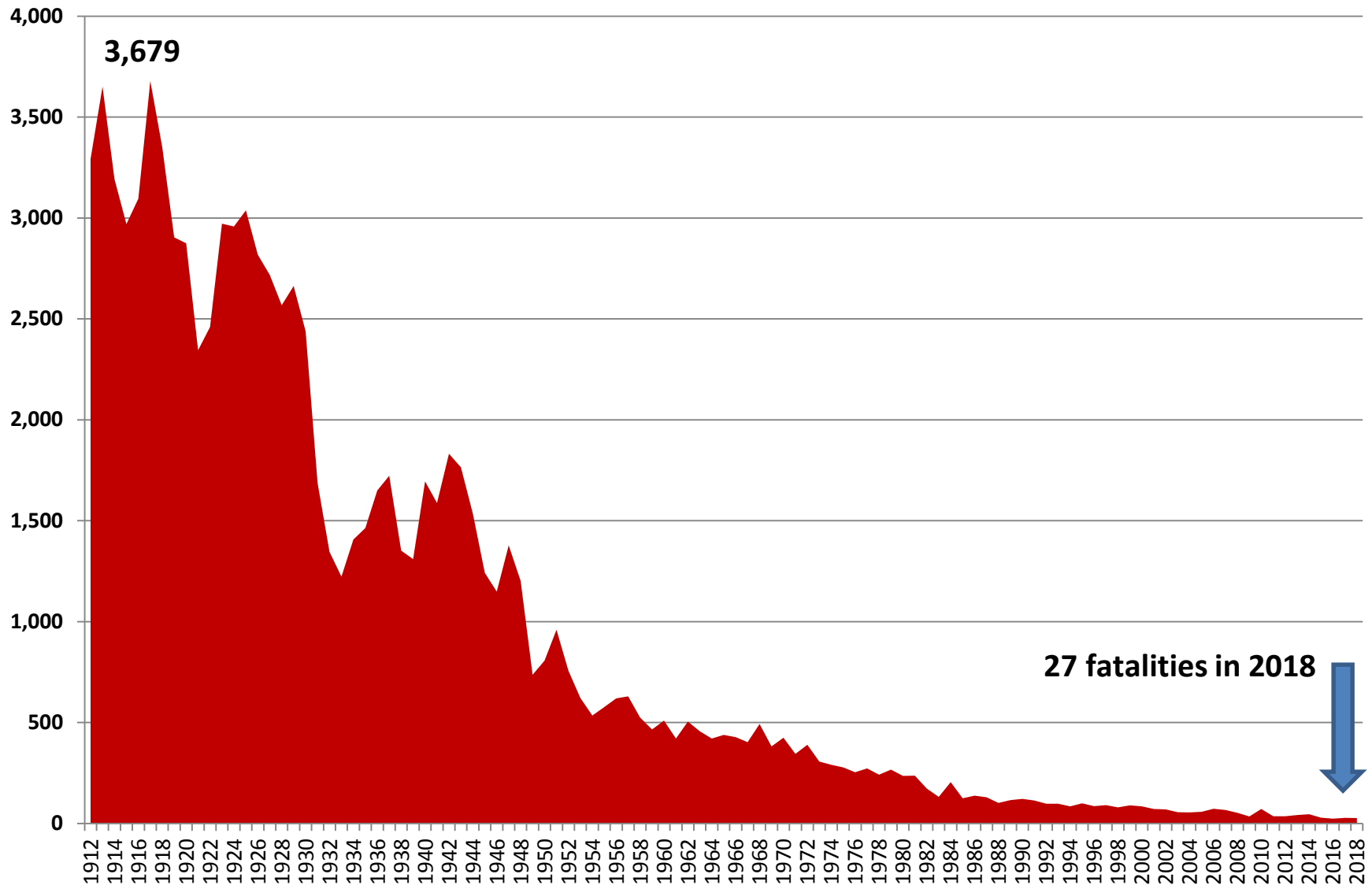
Kentucky Top 5 CFR Standards Cited in 2018 – Top 5 Coal Violations All Citations and Orders



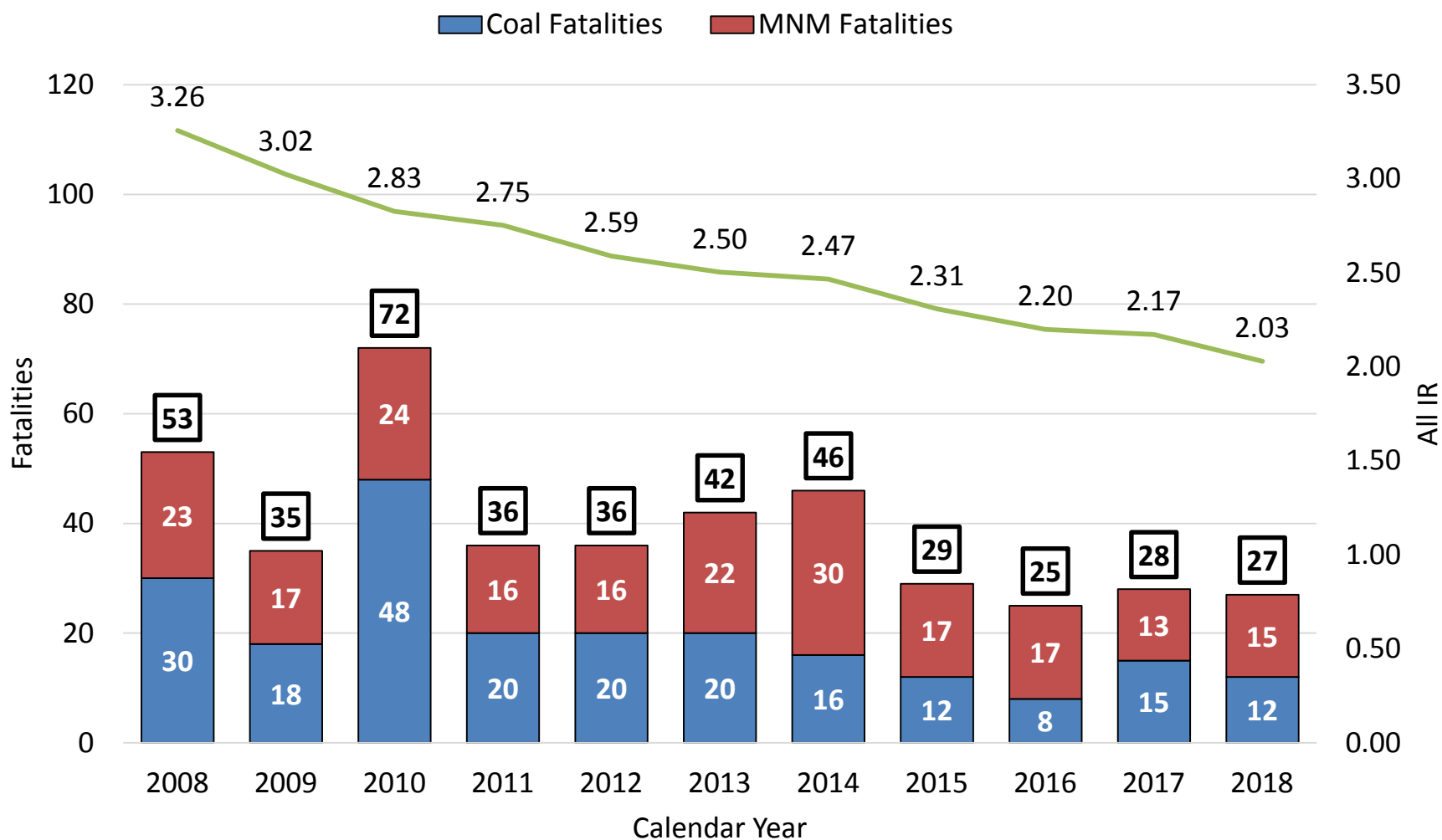
Kentucky Top 5 CFR Standards Cited in 2018 – Top 5 MNM Violations All Citations and Orders



All Mining Fatalities 1912-2018



ALL INJURY RATE & FATALITIES (CY2008 – 2018)



DISTRIBUTION OF INJURIES FOR COAL IN 2018 BY EXPERIENCE

	EXPERIENCE				
	5 years or less	5 to 10 years	10 to 20 years	20 to 30 years	More than 30 years
Kentucky	21%	21%	37%	11%	10%
NATION	25%	29%	30%	8%	8%



DISTRIBUTION OF INJURIES FOR MNM IN 2018 BY EXPERIENCE

	EXPERIENCE				
	5 years or less	5 to 10 years	10 to 20 years	20 to 30 years	More than 30 years
Kentucky	48%	13%	12%	12%	15%
NATION	54%	15%	17%	8%	6%

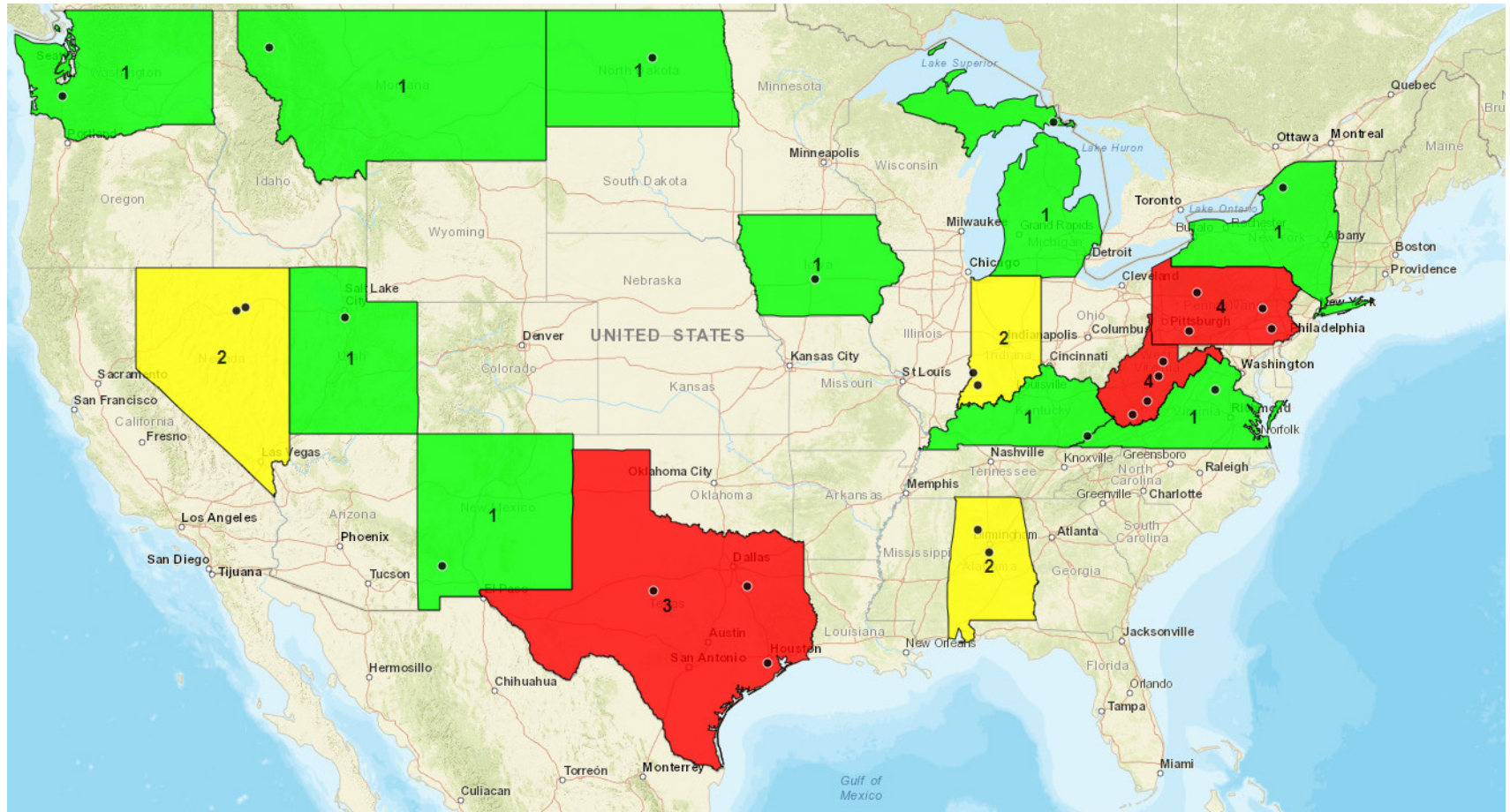


Fatalities in 2018

Legend:

- 1
- 2
- 3 or more

27 Fatalities Occurring in 16 States



17 Fatalities in 2019

- 10 fatalities occurred at surface mines
- 9 contractor fatalities
- 8 fatalities to miners with < 1 year experience
- 8 Coal fatalities
- 6 deaths to miners with < 1 year task experience
- 5 machinery accidents
- 6 powered haulage accidents
- 2 Electrical fatalities
- 3 Kentucky fatalities



On Wednesday, July 31, 2019, a 62-year-old contractor with 30 years of mining experience sustained fatal injuries when three methane ignitions occurred in an air shaft. The victim and three contractors were preparing to seal the intake air shaft of an underground mine. At the time of the ignitions, the victim was trimming metal so that it would fit inside wooden forms and was in direct line of the ignition forces.



On Monday, January 14, 2019, a 56-year-old survey crew member with approximately 30 years of mining experience was fatally injured after he was struck by a loaded shuttle car. The victim was measuring the mining height in an entry that was part of the travelway used by the shuttle car to access the section feeder.



On Friday, August 2, 2019, a 39-year old contract equipment operator, with 16 years of experience, was killed while descending the main haul road in a fuel/lube truck. The victim radioed that the truck's brakes did not work and after traveling approximately one mile down a 7% grade, struck a runaway truck ramp's berm causing it to overturn. The victim was not wearing a seatbelt.



Powered Haulage Safety

Powered Haulage accidents are low-frequency, high-consequence events

- 48% of fatalities in 2018
- 50% of fatalities in recent years

Preventing these accidents is a priority for MSHA! Focus on mobile equipment, seatbelts and conveyor systems



Seat Belt Safety

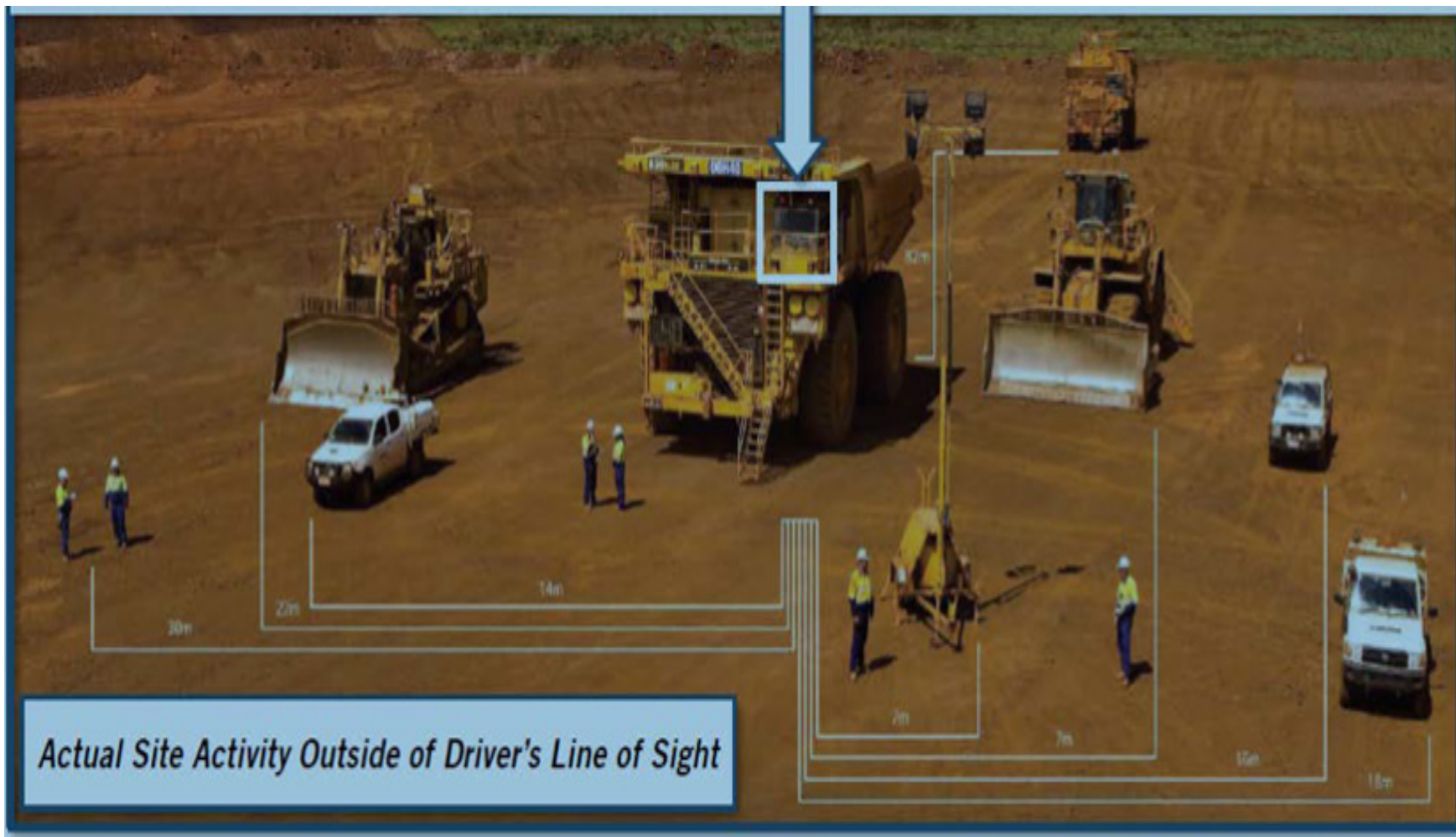
- Three fatalities in 2017 and 2018, and 38 fatalities since 2007, involved miners not wearing seat belts
- 6000+ MSHA citations issued for failure to wear seatbelts since 2007 (most in MNM mines)



Mobile Equipment

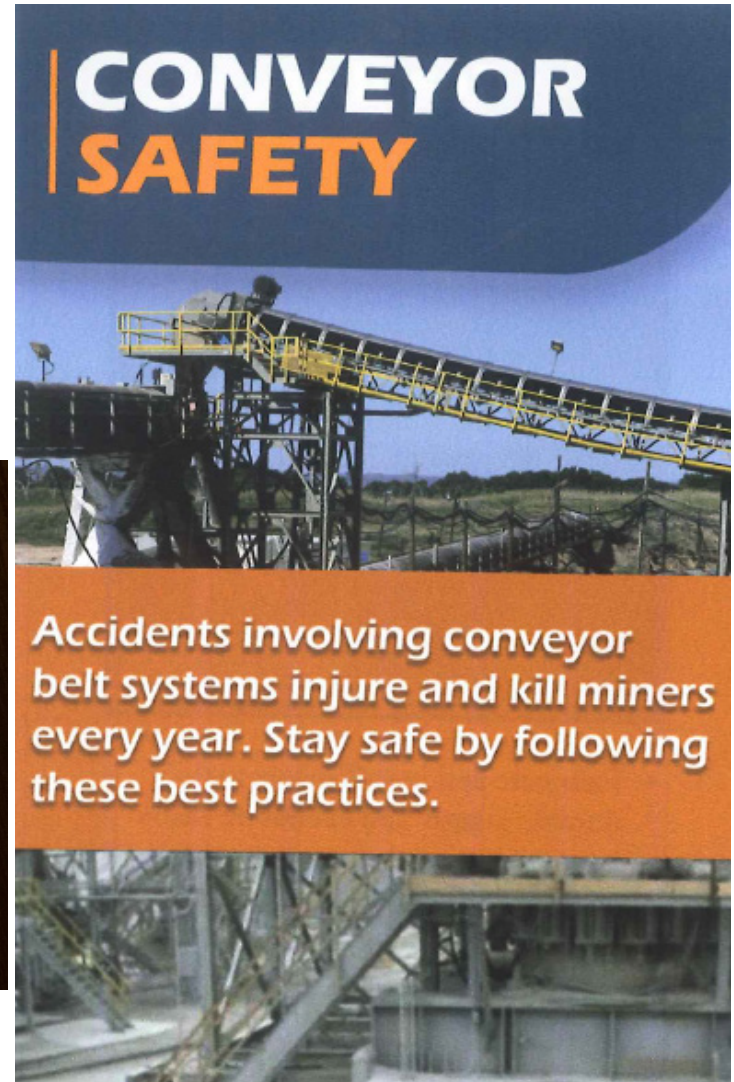
Large vehicles striking other vehicles or pedestrians have killed at least 24 miners since 2003





Powered Haulage Safety Outreach

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



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



2019 National Mine Rescue, First Aid, Bench and Preshift Contest

- Lexington Convention Center
- September 23 – 26
- 53 Mine Rescue Teams
- 33 First Aid Teams
- 79 Benchmen
- 75 Preshift Contestants





Questions?

"Daddy's Home"
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