U.S. Department of Labor
MSHA
Mine Safety & Health Administration

Georgia Construction Aggregate Association Management Workshop
February 20, 2019

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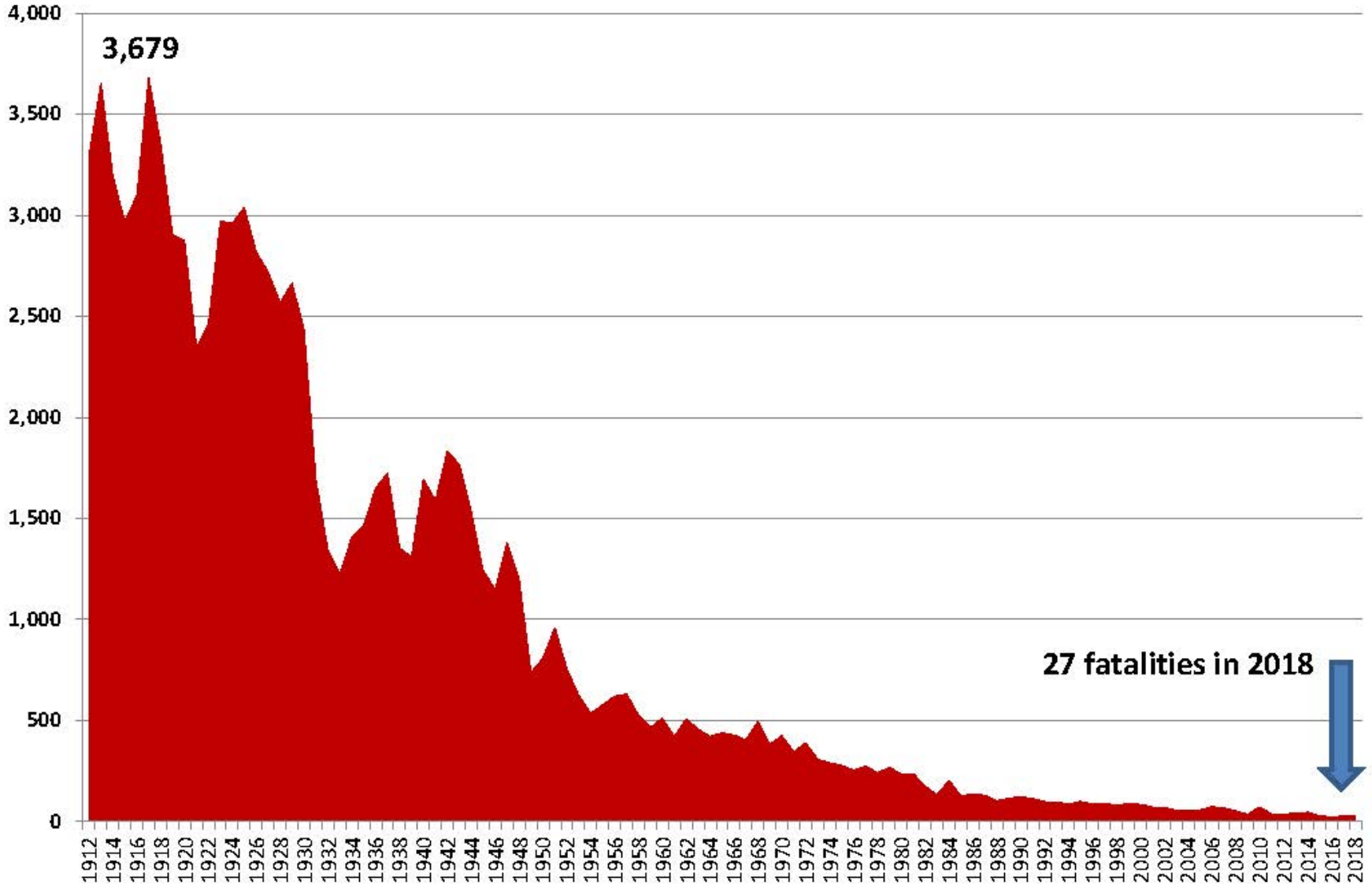
U.S. Department of Labor
Mine Safety and Health Administration

The MSHA Mission

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

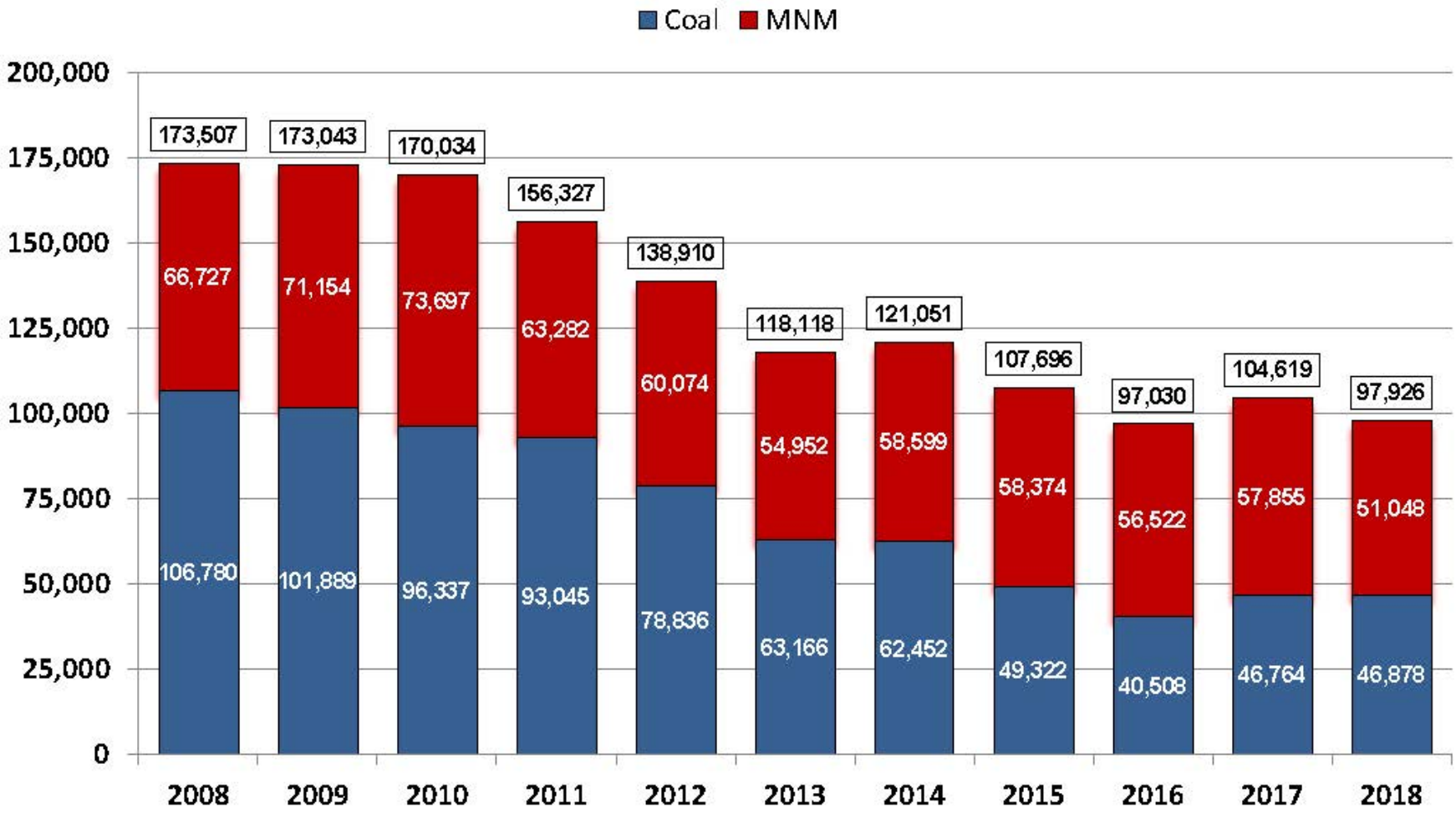
All Mining Fatalities 1912-2018



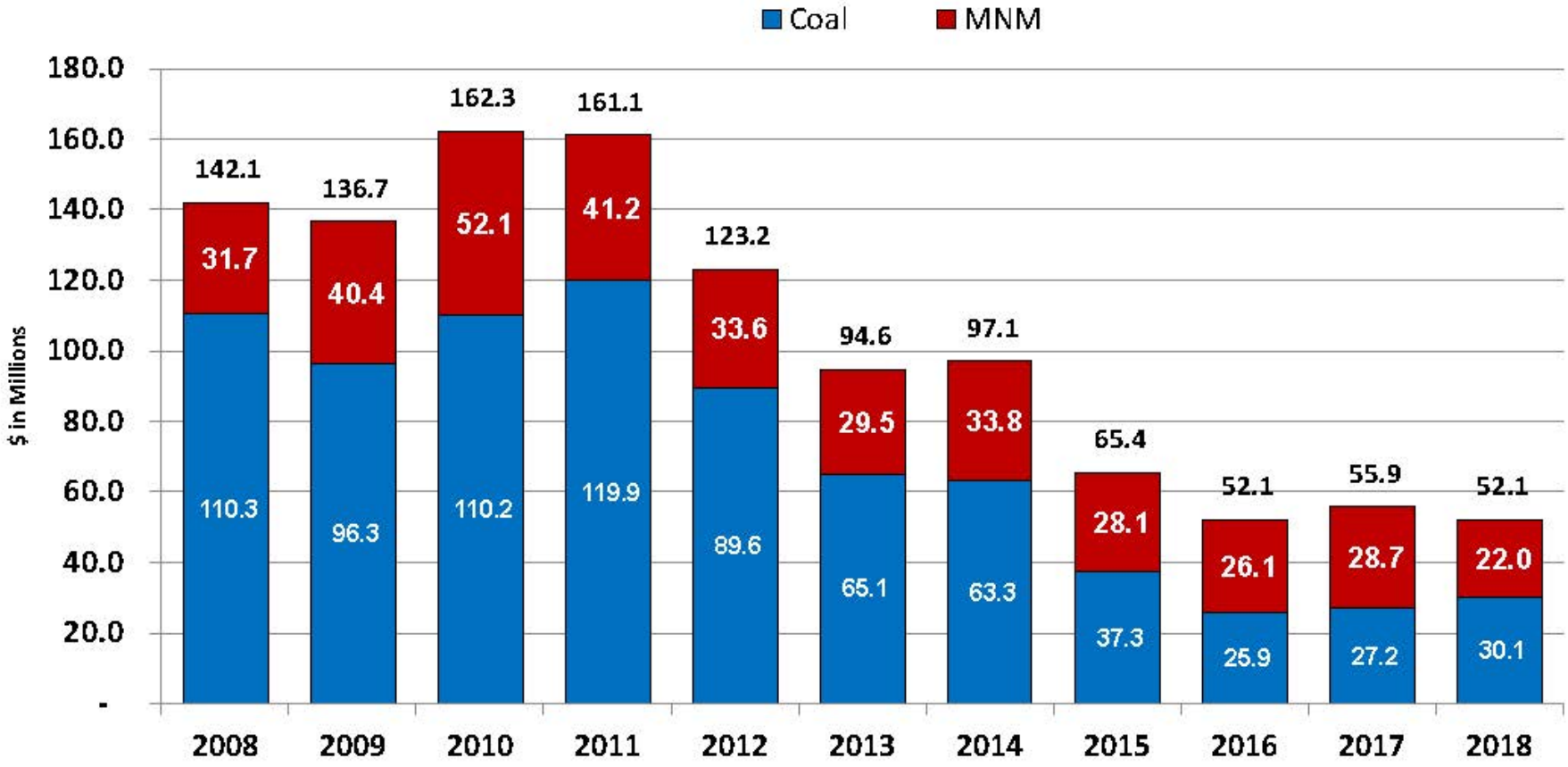
MSHA Data for 2018

# of Mines Reporting Employment	13,014
- Coal Mines Only	1,184
- Metal/Nonmetal Mines Only	11,830
Total Employment	330,798
MSHA E01 Inspections Completed	19,215
Citations & Orders Issued	97,926
Dollars Assessed (Millions)	$52.1

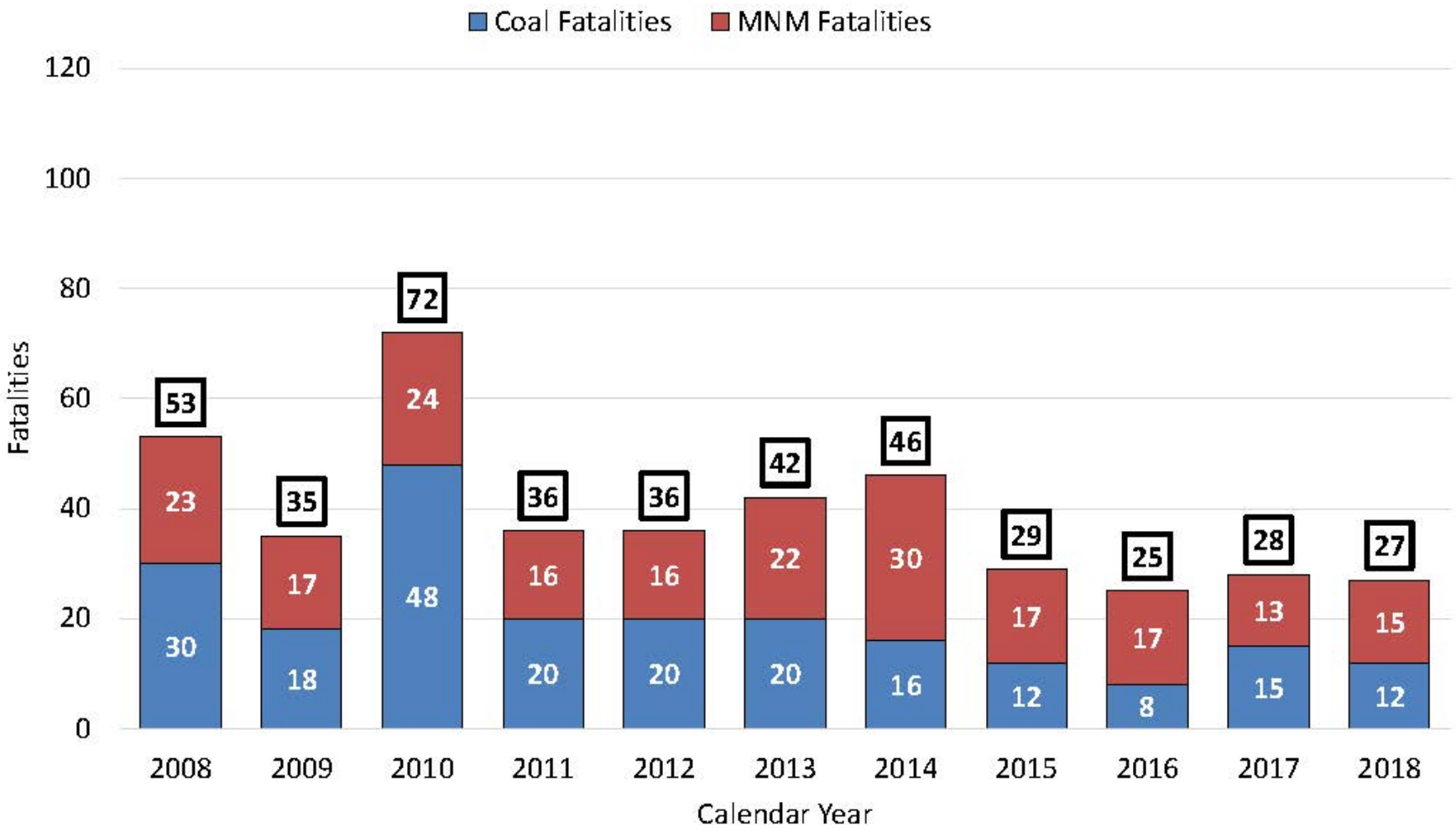
Citations & Orders Issued 2008-2018



Penalties on Issued ($) Citations and Orders 2008-2018

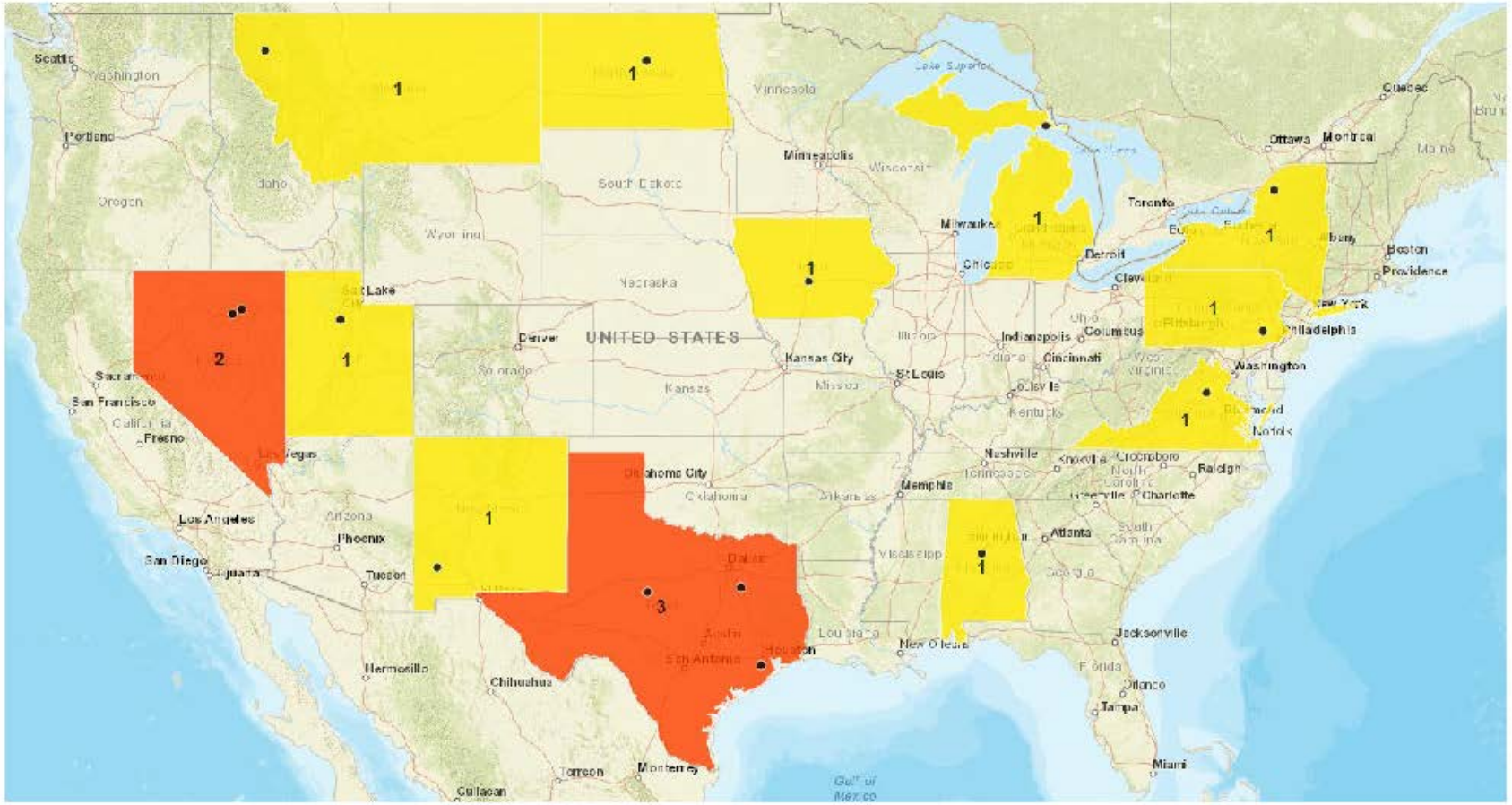


FATALITIES (CY2008 – 2018)



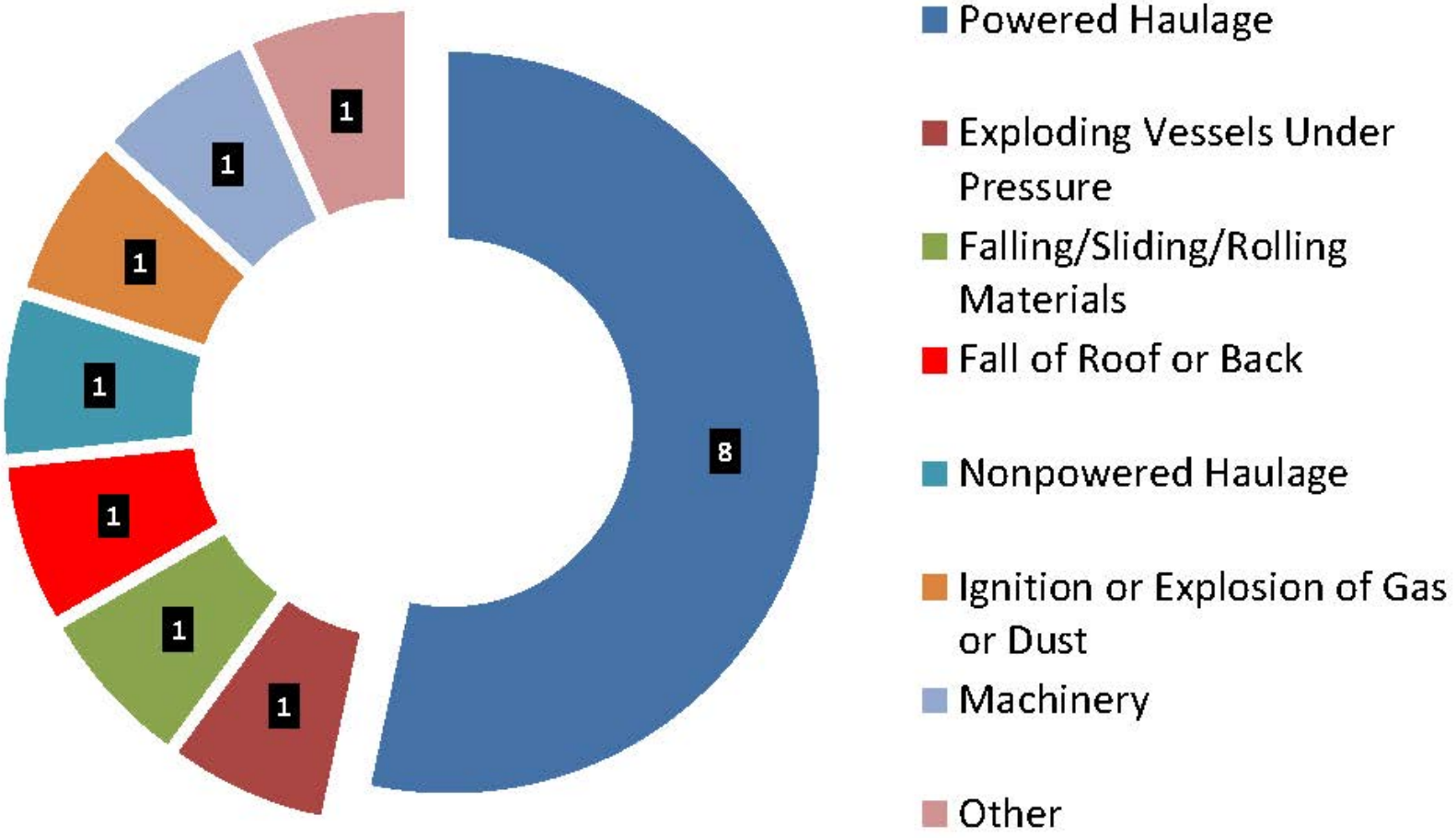
MNM Fatalities in 2018

15 Fatalities Occurring in 12 States



MNM FATALITIES IN 2018

BY CATEGORY



MNM FATALITIES IN 2018

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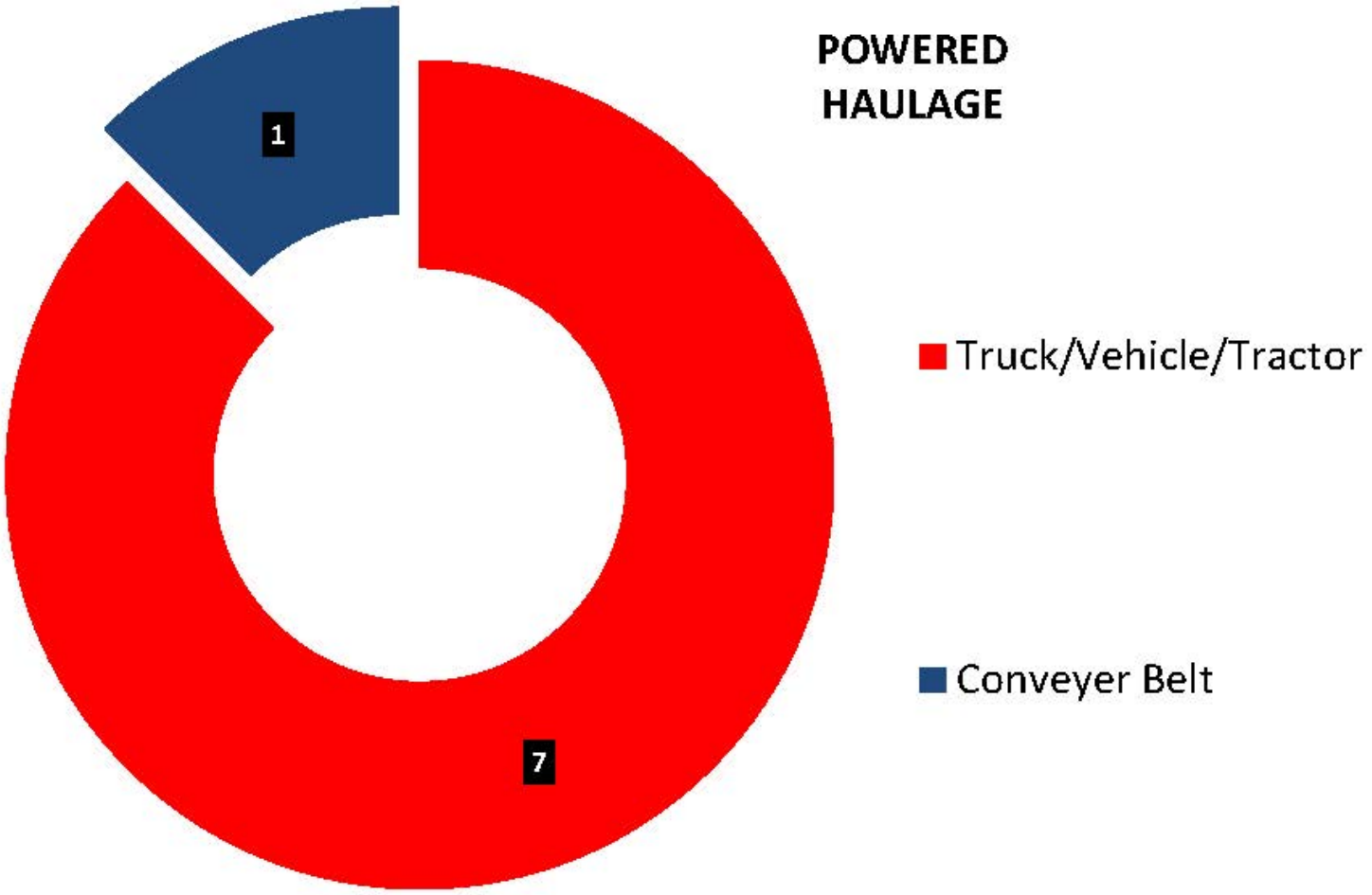
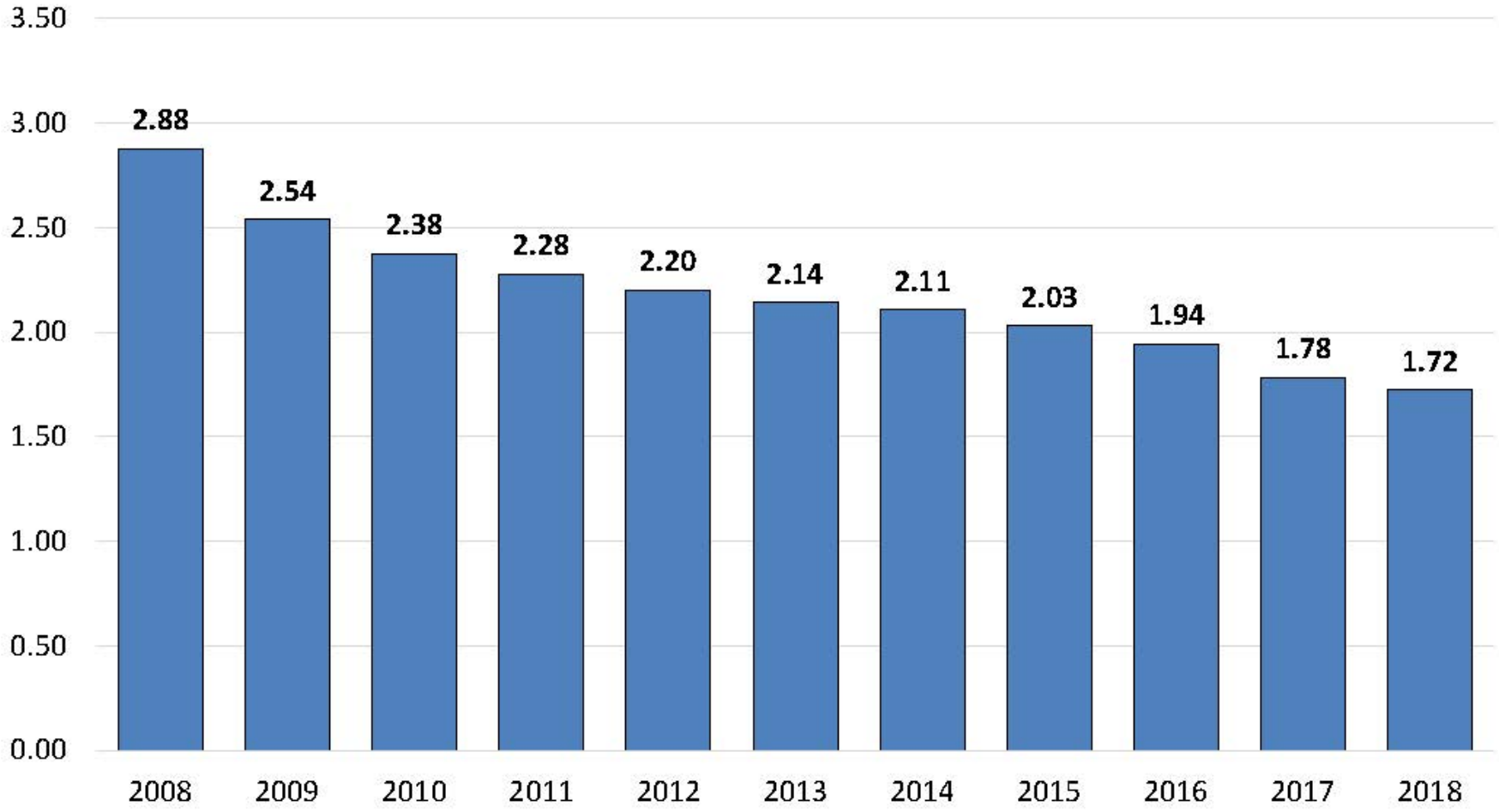


MNM US Mines - All-Injury Rate 2008-2018



DISTRIBUTION OF INJURIES FOR AGGREGATES 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
GEORGIA	65%	0%	13%	16%	6%
NATION	58%	11%	17%	8%	6%

Miners: Who are they?

- Generation X
- Millennials
- Centennials

IN 2018, OVER 60 PERCENT OF AGGREGATES INJURIES OCCURRED WITHIN 3 OCCUPATIONS

Rank	Nation	Georgia
1	Heavy Equipment Operator/Driver/Tram Operator (25.3%)	Maintenance/ Repairman (37.5%)
2	Maintenance/ Repairman (20.0%)	Heavy Equipment Operator/Driver/Tram Operator (25.0%)
3	Laborer (18.0%)	Warehouseman/Packager (18.8%)
%	63.3%	81.3%

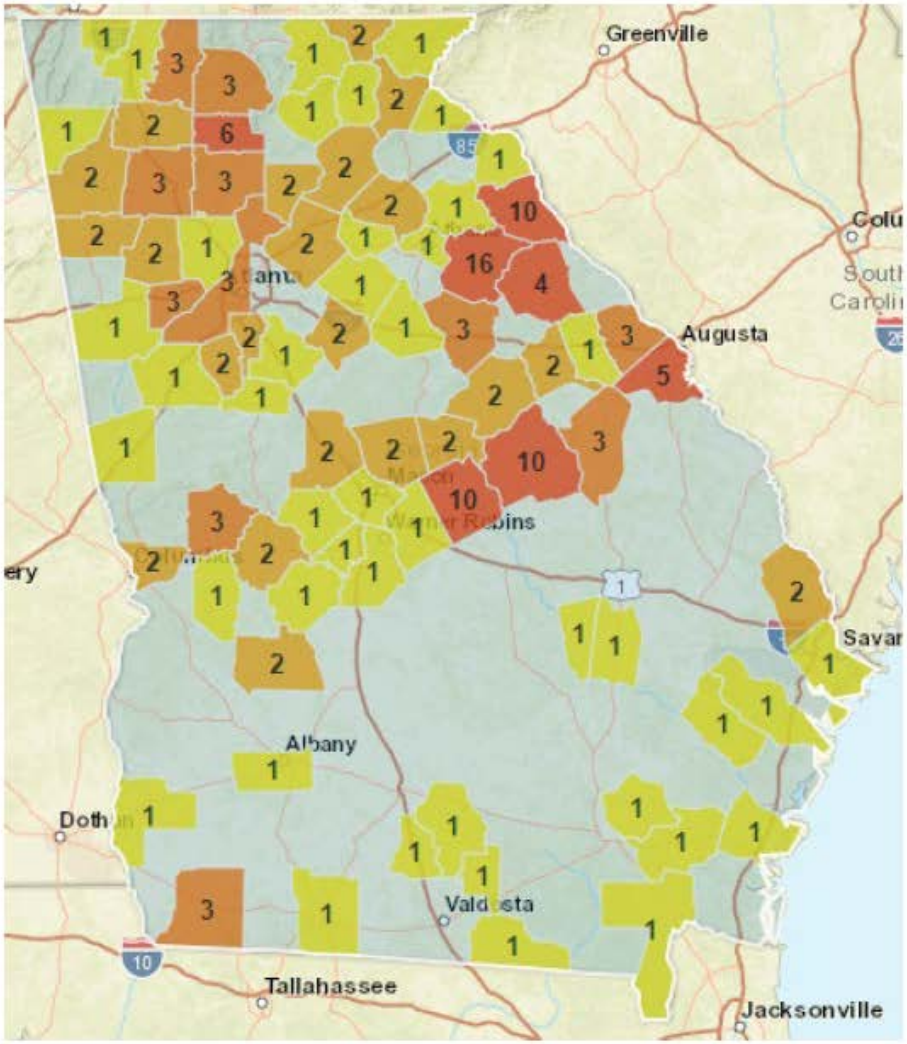
MNM HIGHLIGHTS FOR 2018

	GEORGIA	NATION
No. of Mines Reporting Employment	192	11,830
Operator Employment#	5,487	168,124
MSHA E01 Inspections Completed	363	16,047
Citations & Orders Issued	591	51,048
$ Assessed*	140k	22.1M

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

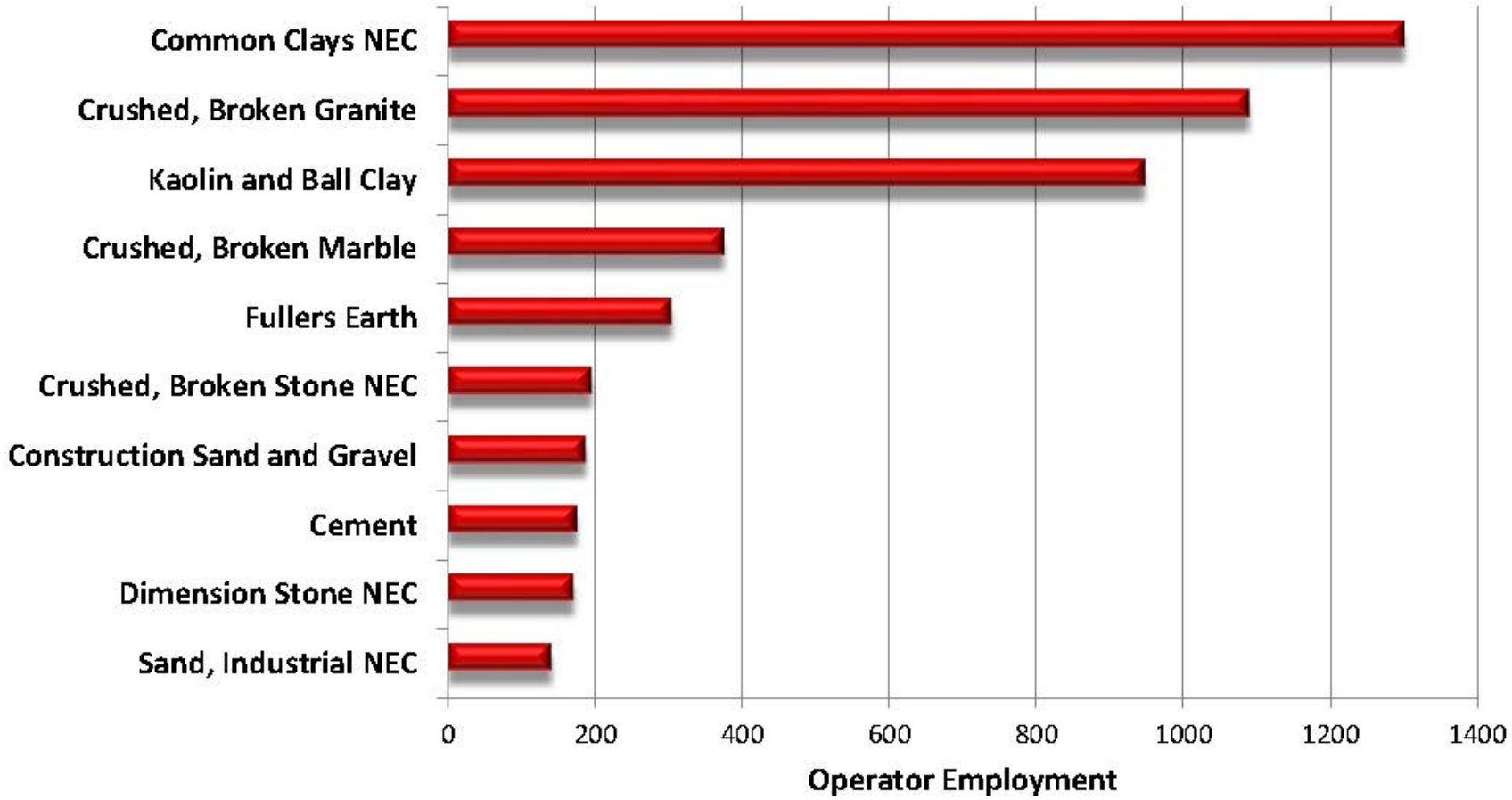
*Proposed penalty amount, In millions, of non-vacated violations assessed in 2018.

Mining in Georgia by County*

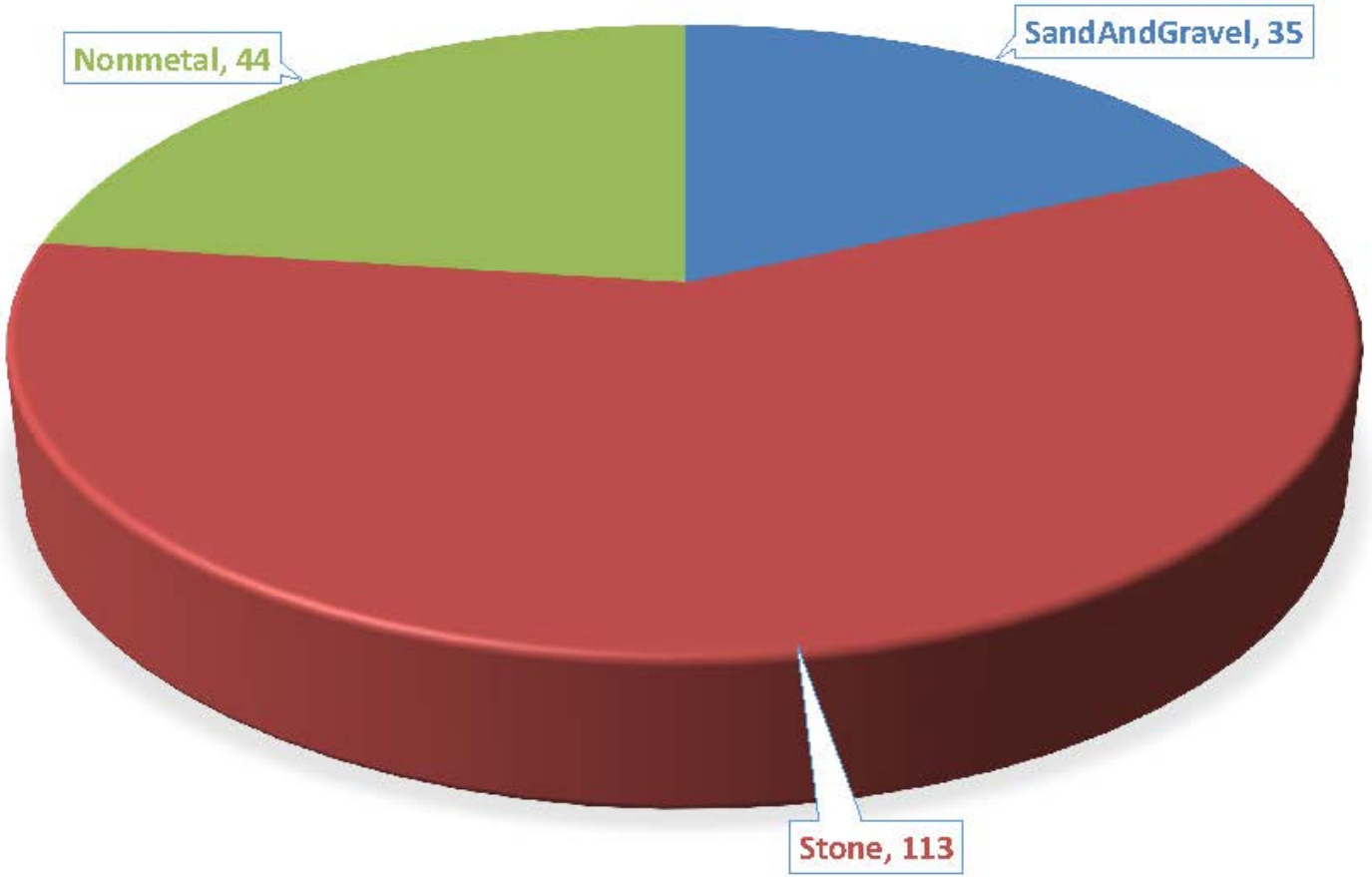


*Reflects mines not abandoned as of 2/6/2019

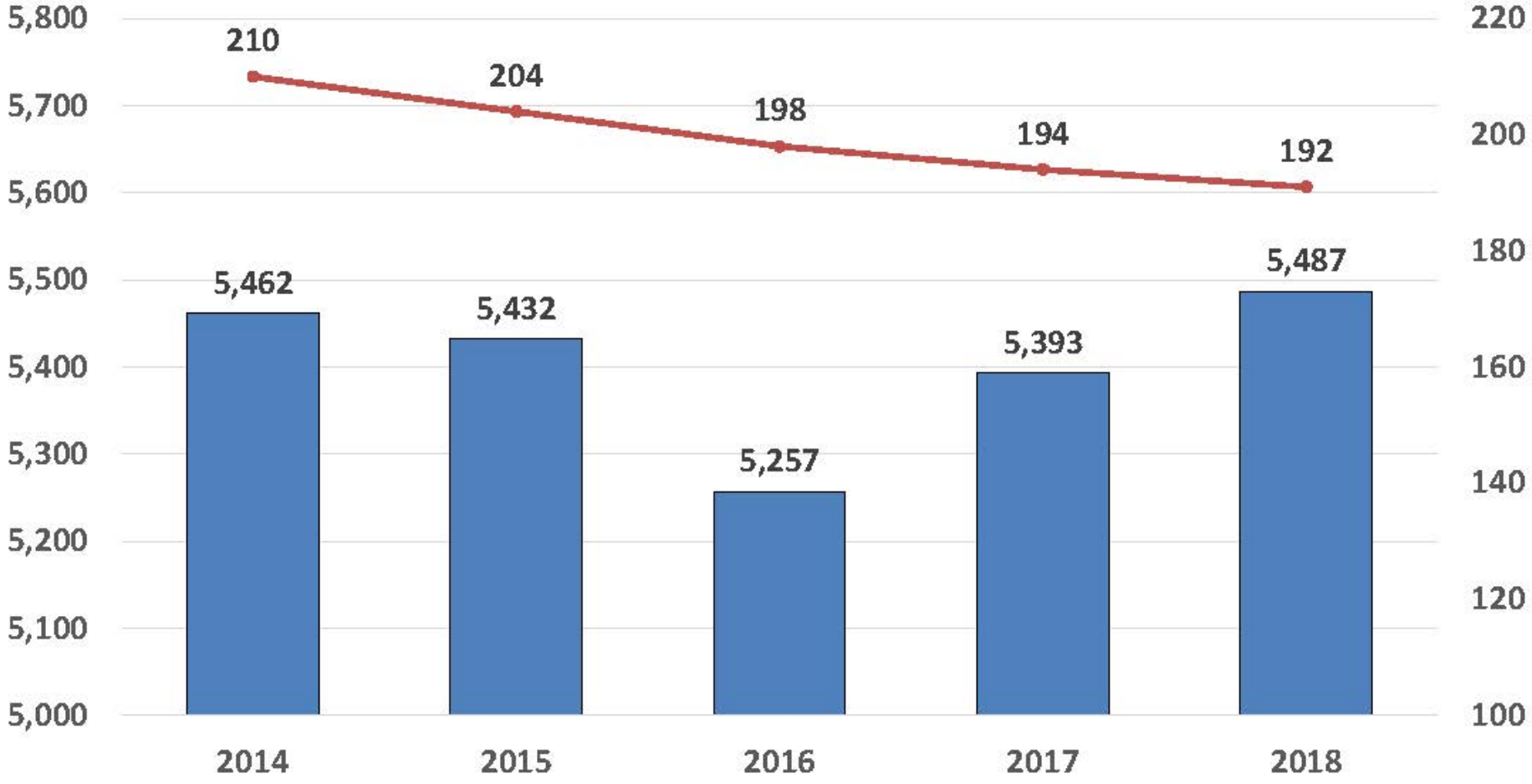
Top 10 Mined Materials in Georgia – By Employment (2018)



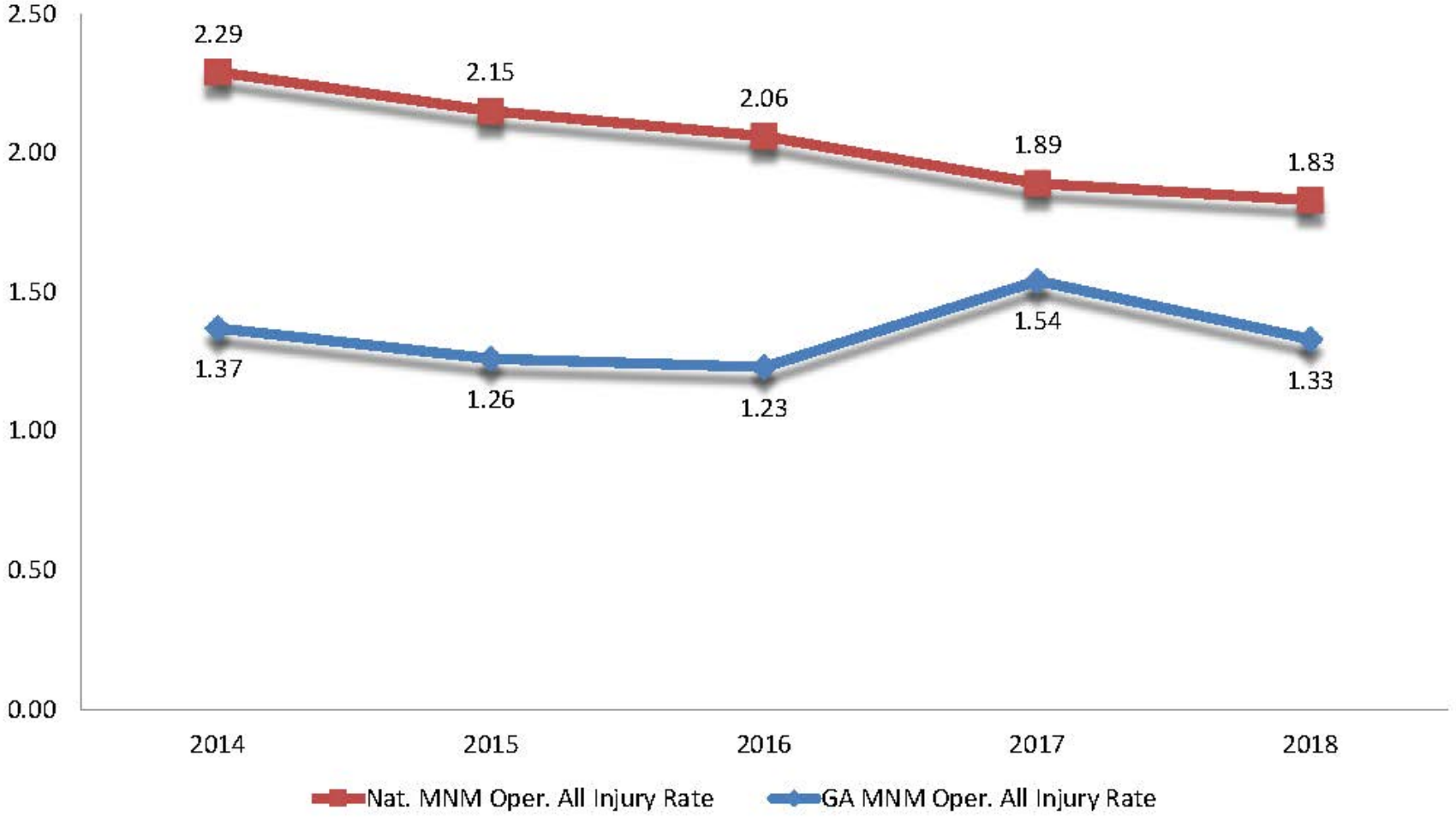
Georgia Mines by Industry (2018)



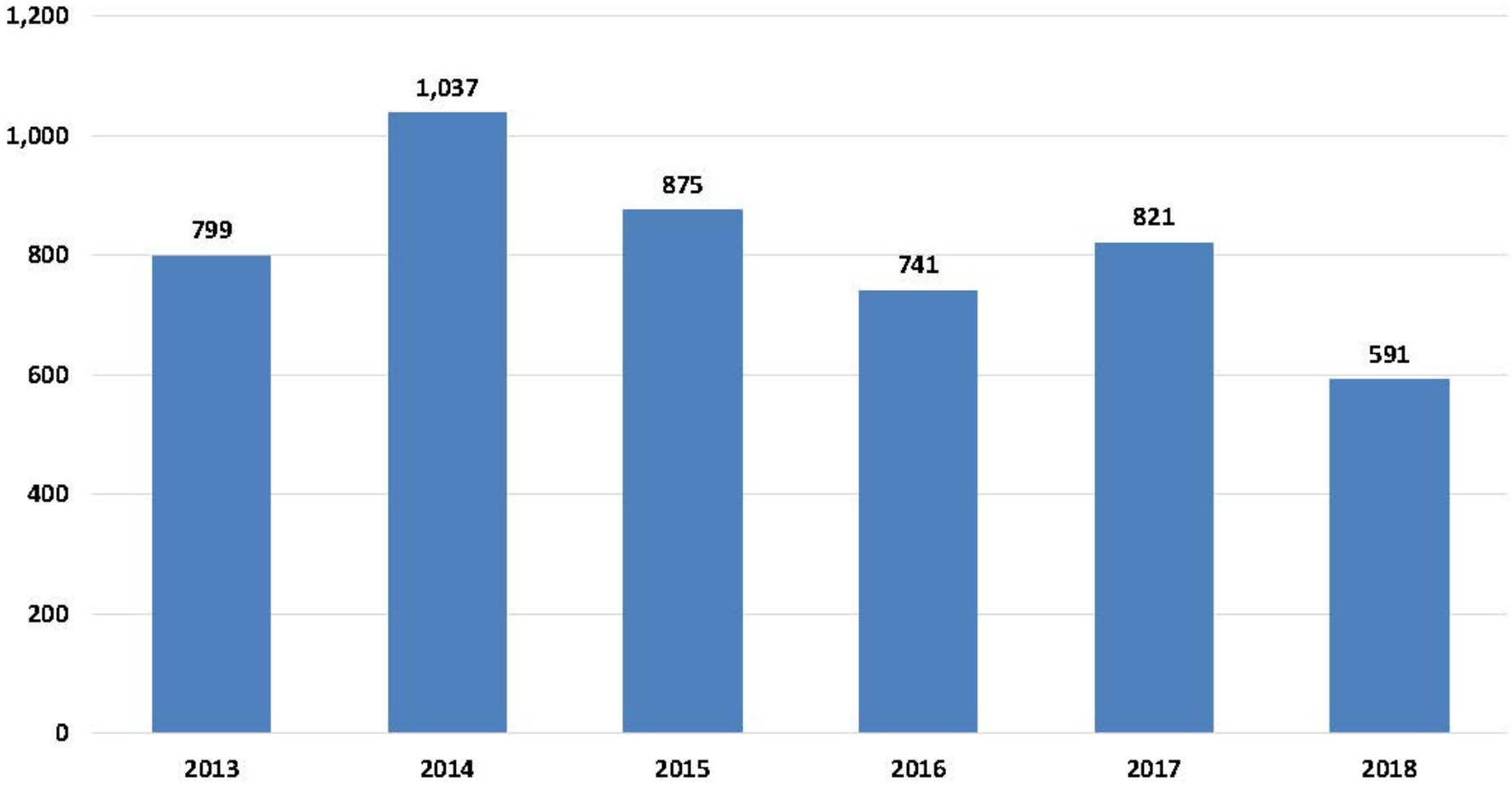
Georgia Operator Miners & Mines (2014 – 2018)



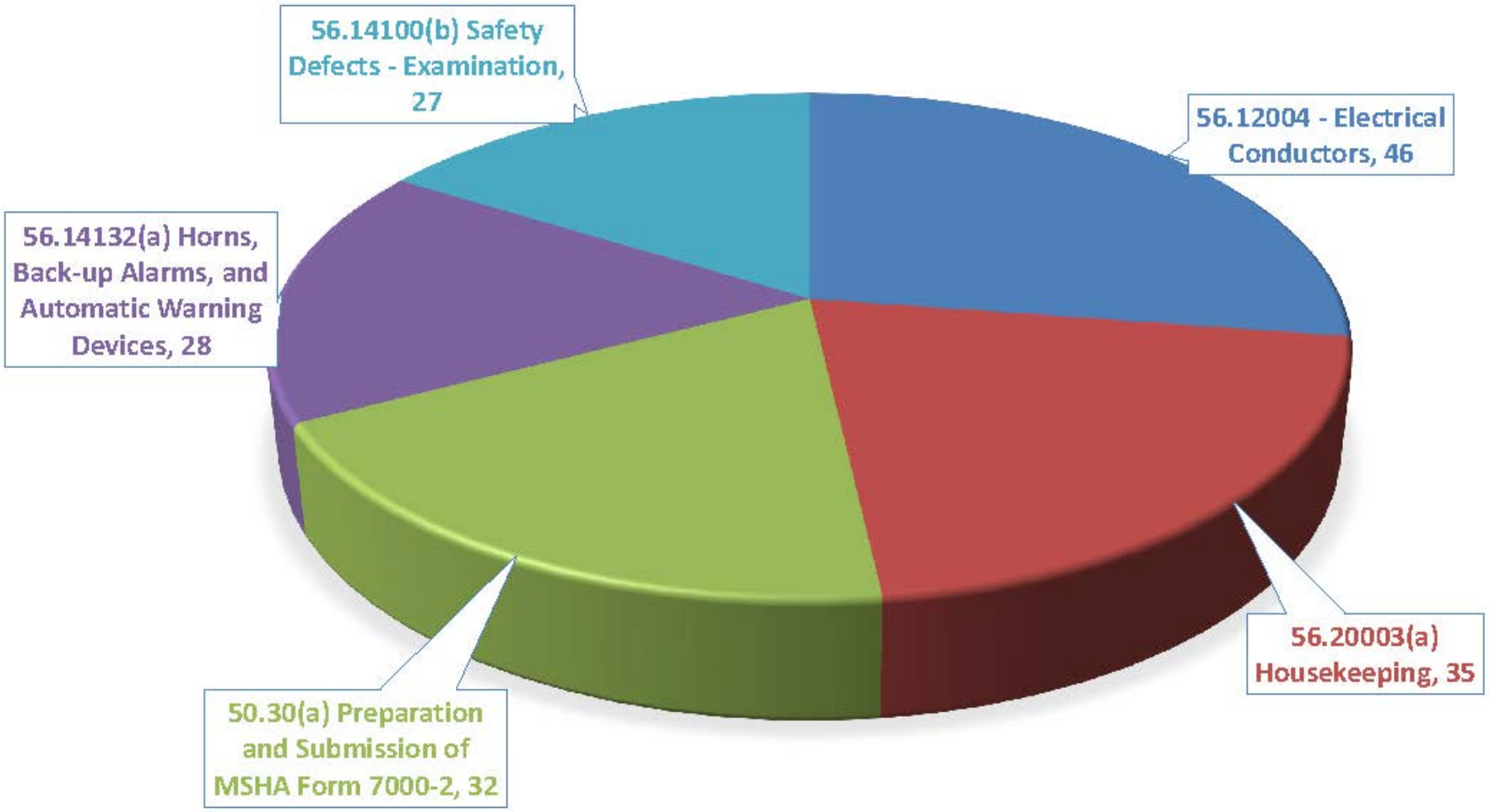
MNM Operator All Injury Rate – Georgia vs National



Georgia Citations and Orders Issued



Georgia Top 5 CFR Standards Cited in 2018 – Represent 35% of All Citations and Orders



MSHA: Today & Tomorrow

- IT Modernization
- "One" MSHA: Efficient Use of Resources
- Workforce for the 21st Century
- Health: Pay Me Now or Later
- Regulatory Review

Powered Haulage

- In 2018 48% or 13 of the 27 total mining fatalities involved powered haulage.

Seat Belt Safety

- Three fatalities in 2017 and 2018, and 38 fatalities since 2007, involved miners <u>not wearing seat belts</u>

- 6000+ MSHA citations issued for failure to wear seatbelts since 2007 (most in MNM mines)

Fire Suppression Failures

- In 2018 there were four mobile equipment fires in one month (two rock trucks, one hydraulic shovel, one excavator)
- Fire suppression systems failed in all
- One miner killed, another injured
- Fire suppression equipment must be properly installed
- Miners should have a means to escape

Scofflaw Initiative

- Small share of operators are chronically delinquent and have poor safety records
- Monthly selection of the worst violators
- Payment plans proposed/established with total commitment of $6.9 million
- 19 mines paid in full for $1.5 million
- 39 104(a) citations issued; 18 104(b) orders issued; all operations are now open

Education/Training & MSHA

- Educational Field Services and Small Mines
- Educational Policy Development
- Mine Academy and TRAM
- Virtual Reality
- NIOSH
- The Future

MSHA Technical Information Center & Library

- **Accident Reports dating back to 1840**
- **Preambles/Final Rules**
- **Industry Standards (ANSI, NFPA, NEC, ASTM, and more)**
- **Research Materials (BOM publications, NIOSH studies, etc.)**
- **Engineering publications and periodicals**
- **Legal publications**
- ***If we don't have it, we will find it for you!***

Got Questions? They've got answers!

Contact them at MSHAlibrary@dol.gov or 304-256-3266

Questions?