

Safety Assessments

When your life and livelihood depend on an operation working 24 x 7 x 365, on a jobsite that is constantly changing, with a variety of contractors and employees coming and going. Safety assessments can be a powerful tool to ensure accountability for safety, and regularly elevate the attention to safety where there are a variety of things competing for the attention of the workers.



FRONTIER DRILLING



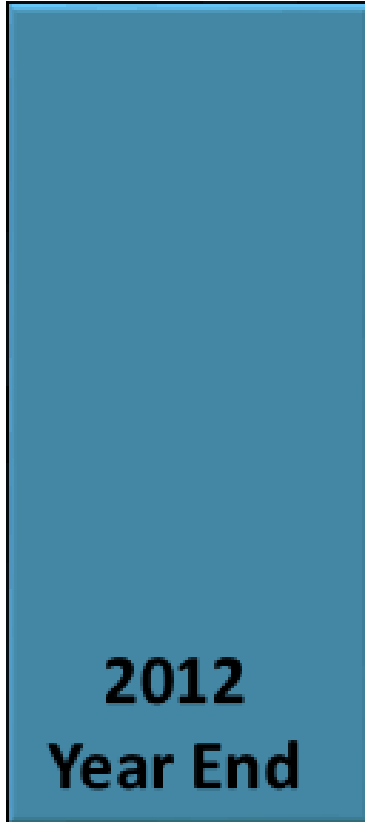
Assessment Program Highlights

Frontier Drilling EHS Management System
(FDMS)



TRIR- Before Assessments

3.62 TRIR



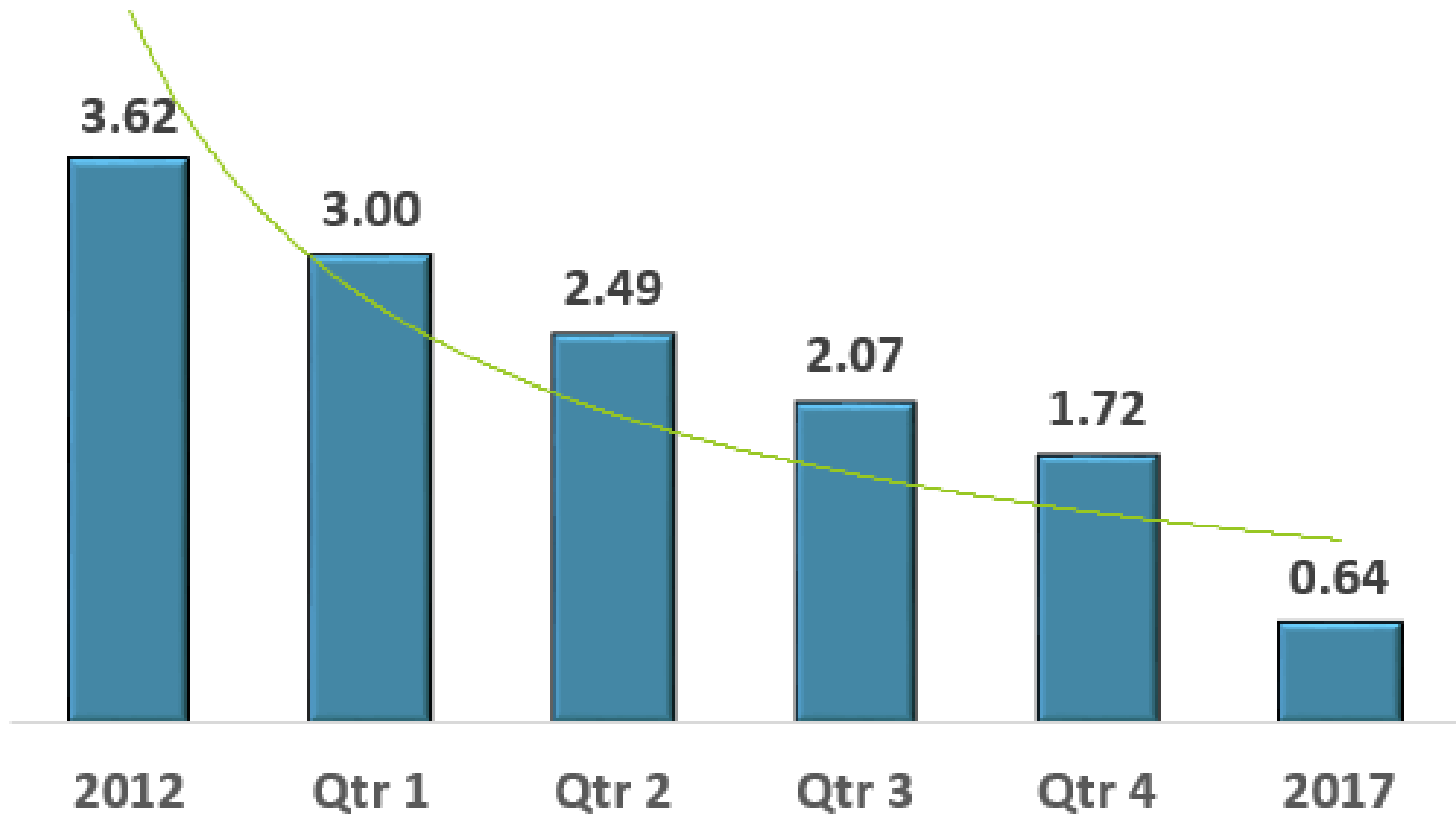
2012

Year End



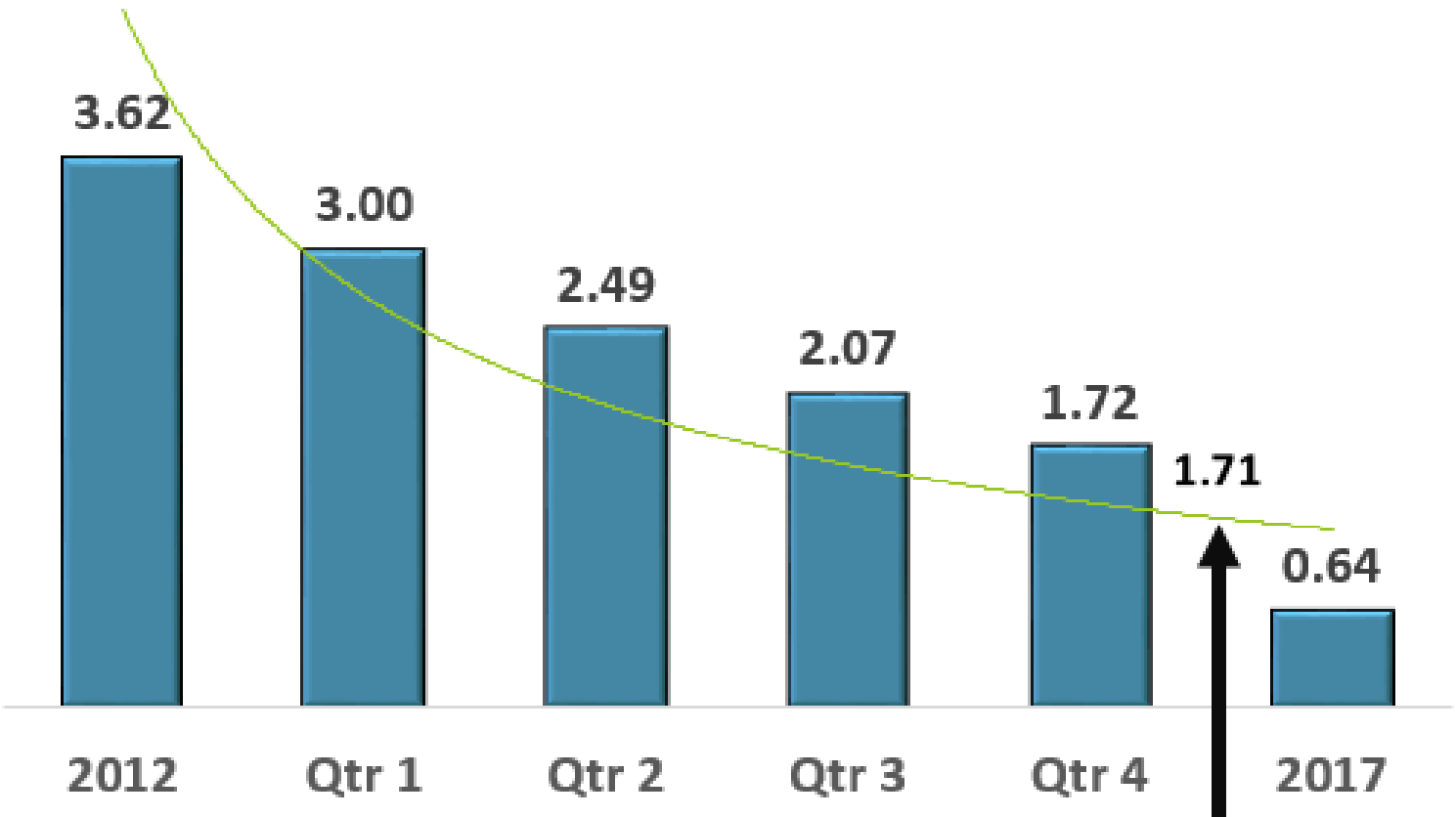
Four Year Plan of Incident Reduction

Goal/ Projections



Four Year Plan of Incident Reduction

Goal/ Projections



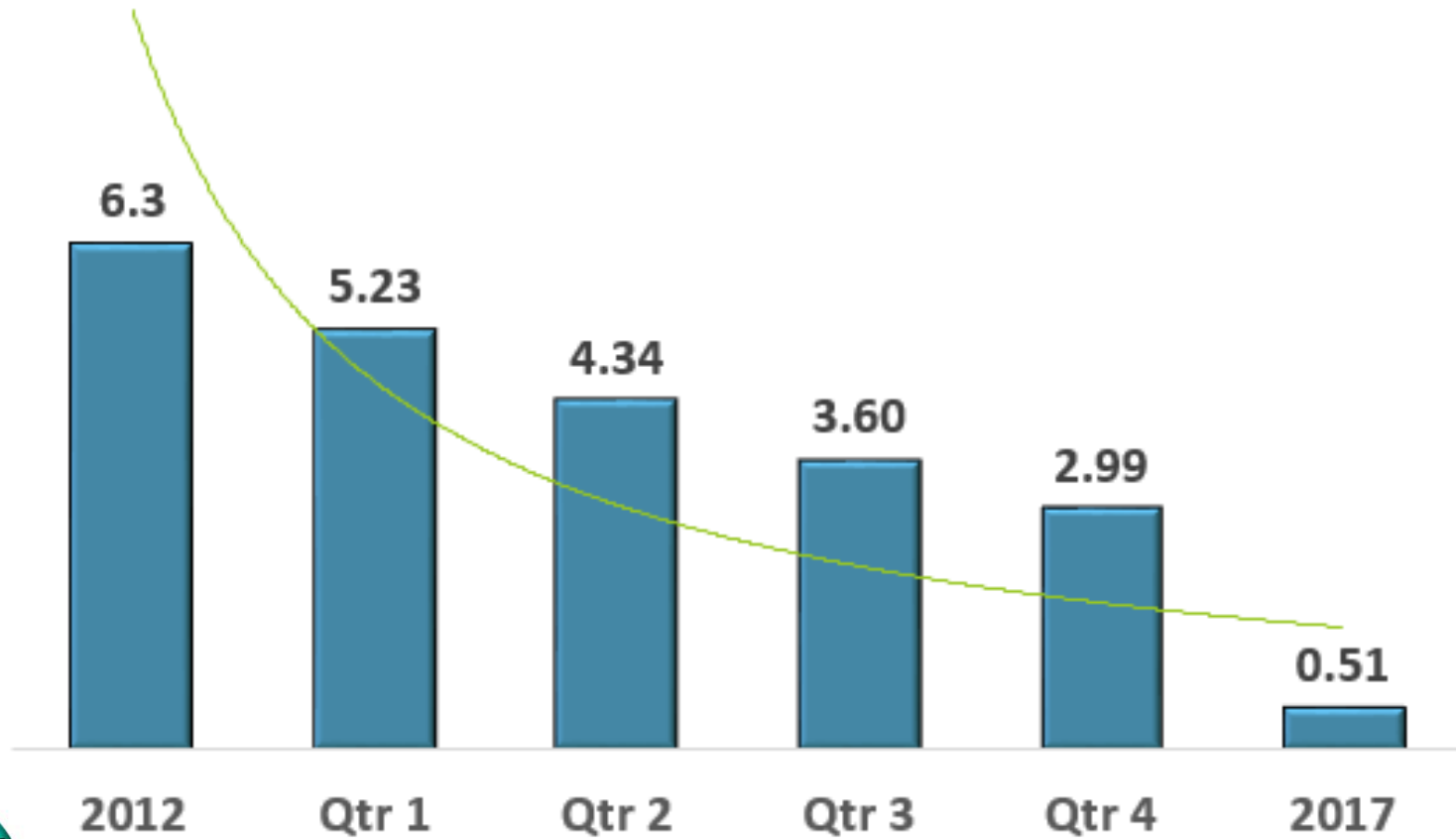
Year End Actual

TRIR- Before Assessments (Eastern Division)



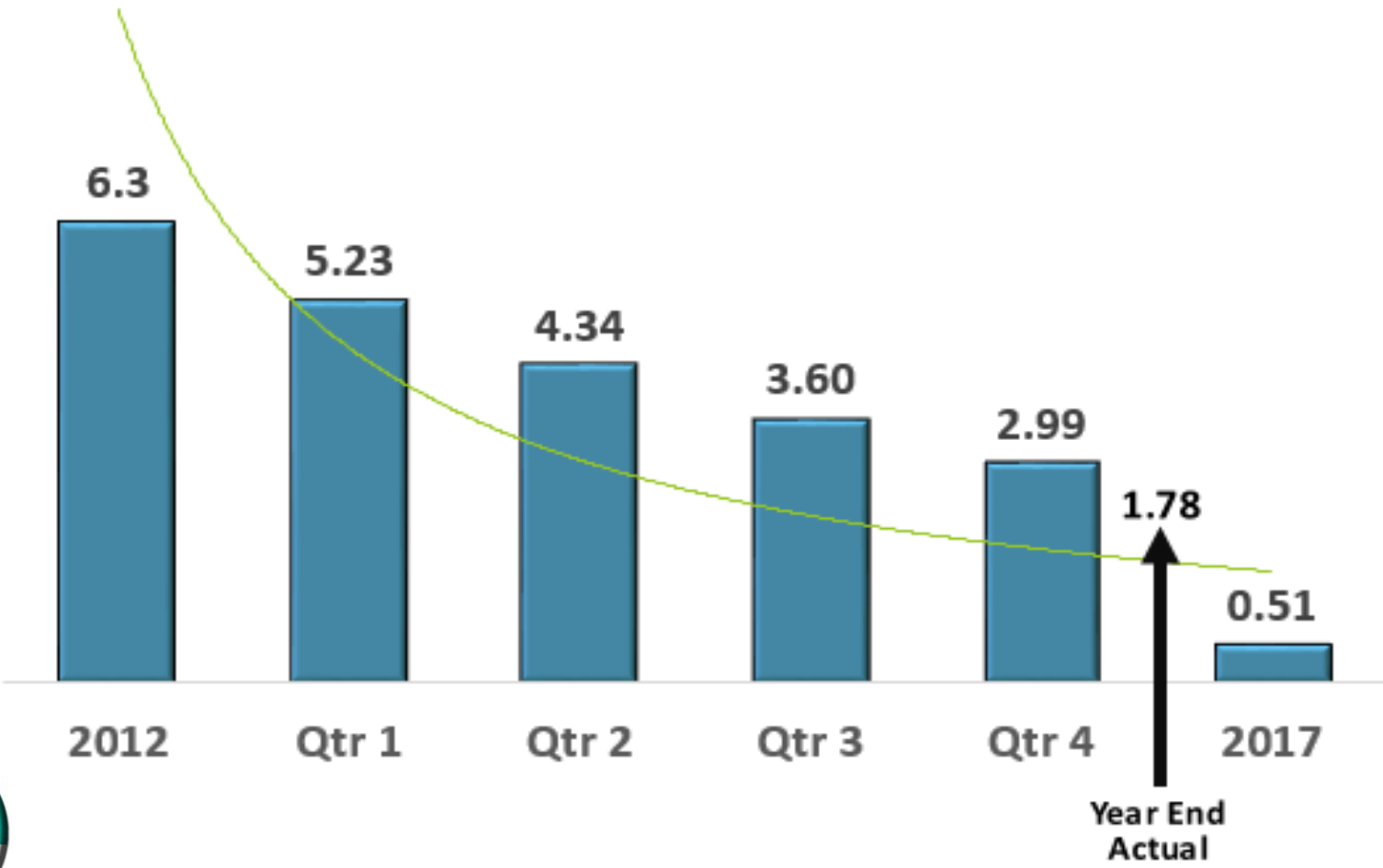
Four Year Plan of Incident Reduction (Eastern Division)

Goal/ Projections

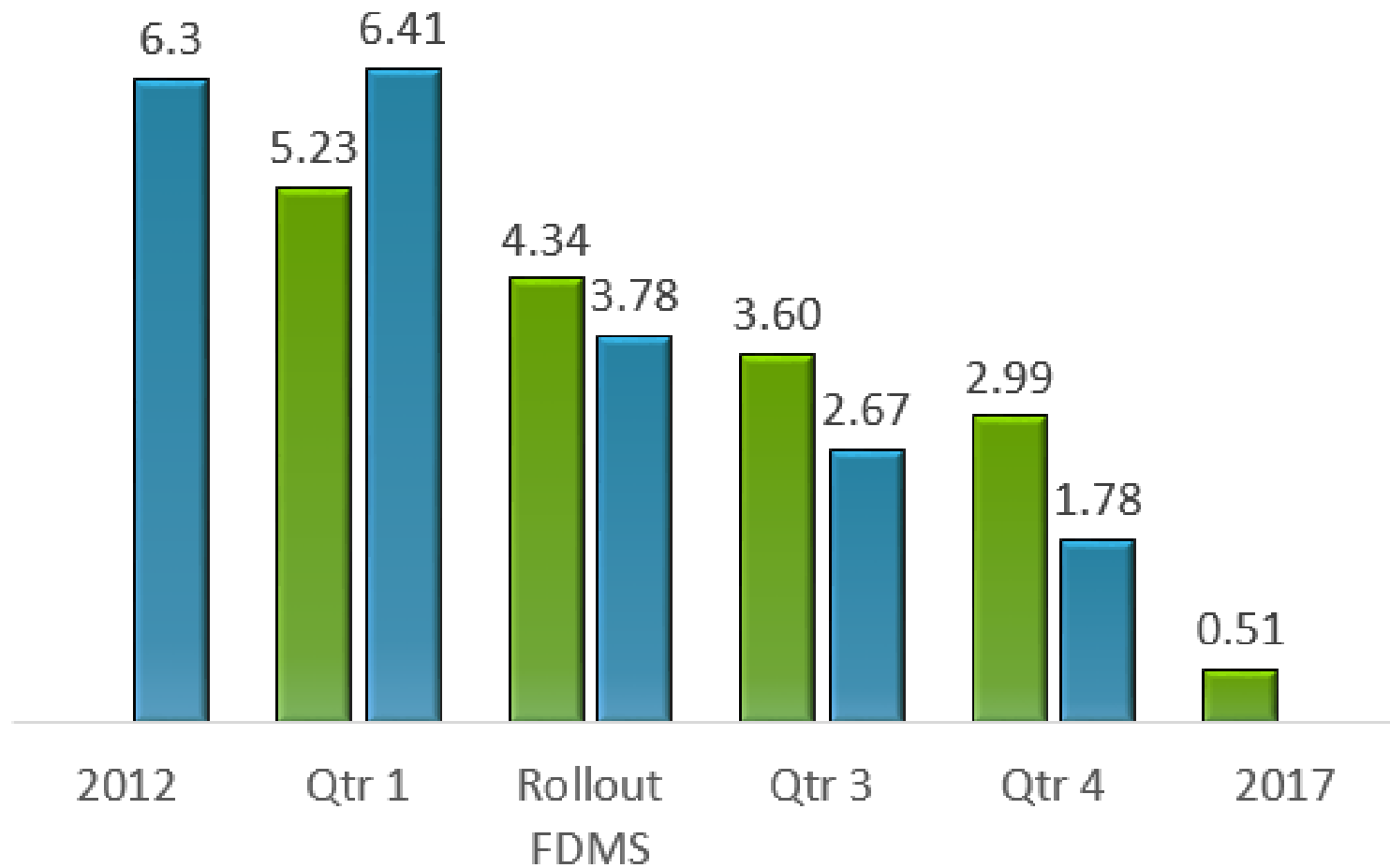


Four Year Plan of Incident Reduction (Eastern Division)

Goal/ Projections

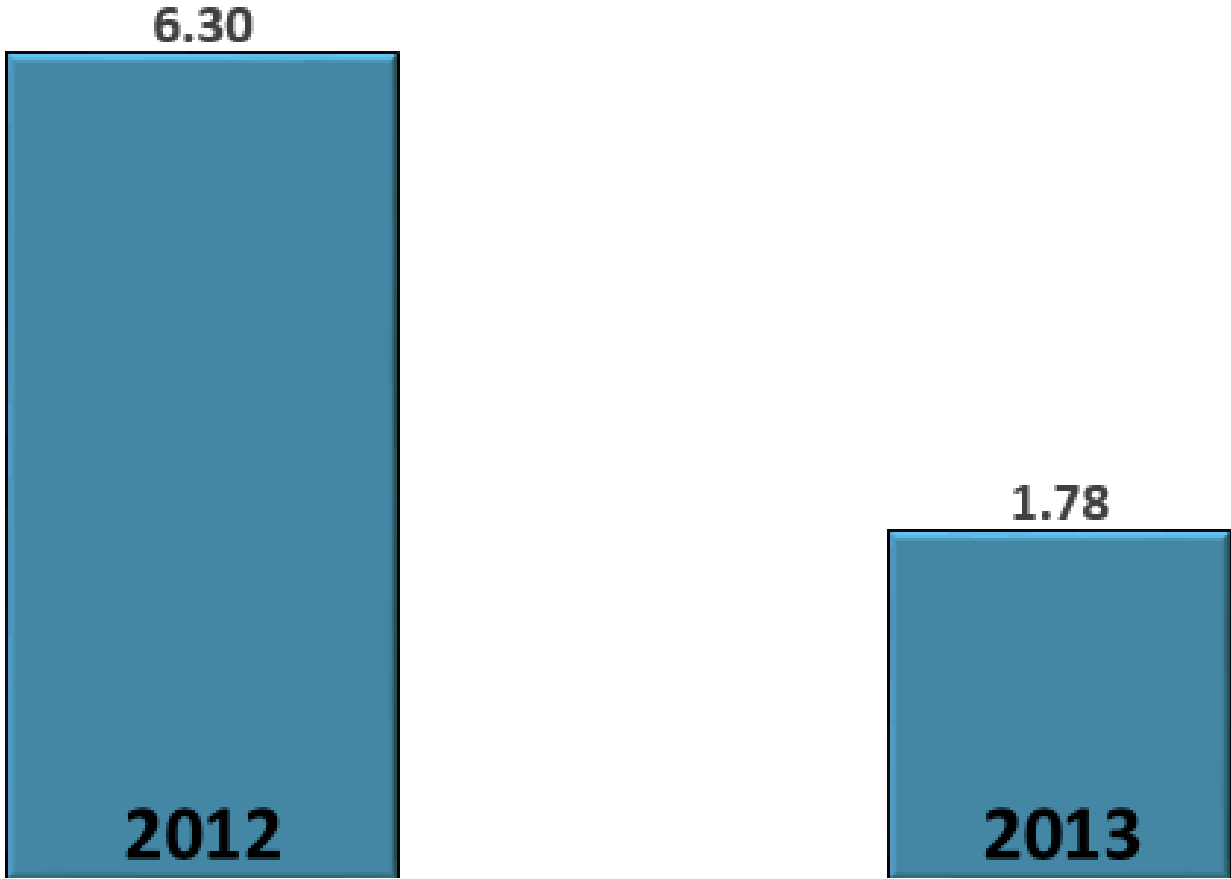


Taking Action

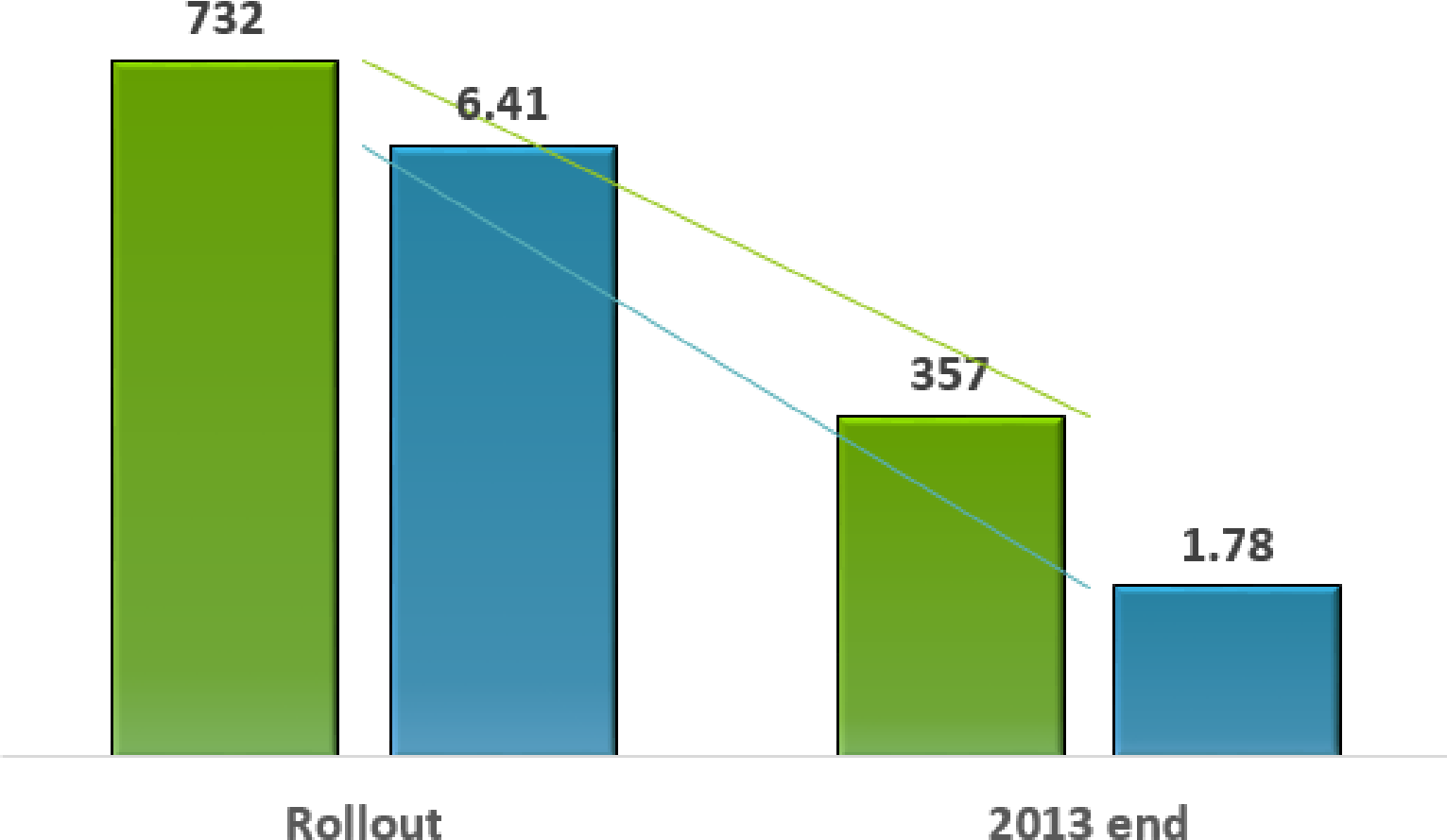


■ Projected ■ Actual

Eastern year End TRIR



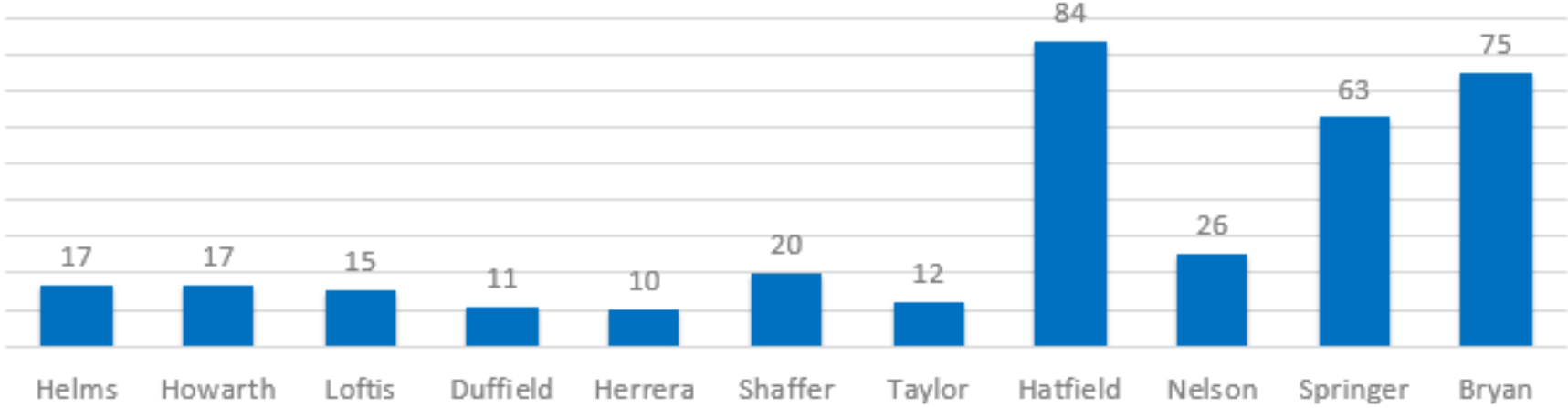
Risk Reduction= Incident reduction



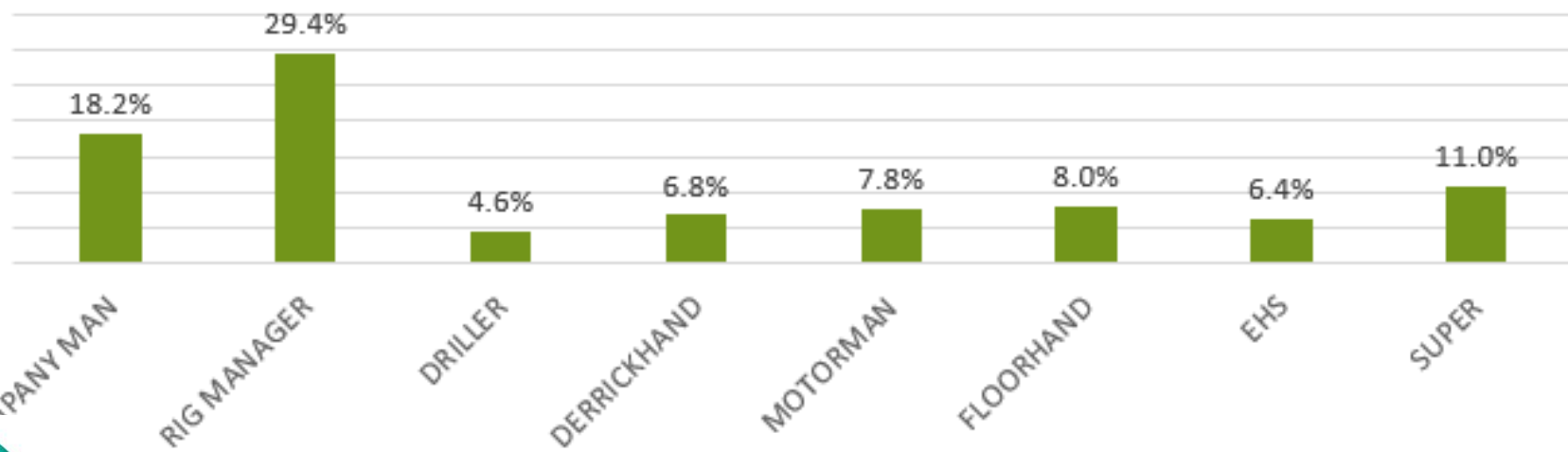
■ Combined Risk Scores ■ TRIR

Performance Measurement

Rig Manager Score



Positions



Ownership and Risk Severity

4. DERRICKHAND										RS	O
Section: 4.14		Comment: Caustic barrel warning signs are damaged and not legible						Score		1	4
Picture #	5						Matrix:	1	Probable	Caused	
Section: 4.35		Comment: PPE Box lid hinge is coming apart						Score		1	4
Picture #	6						Matrix:	0	Likely	Caused	
Section Score										2	
5. MOTORMAN										RS	O
Section: 7.48		Comment: Although housekeeping in generator area is excellent, there was a broken fluorescent bulb found concealed in the light box						Score		2	5
Picture #	11						Matrix:	2	Feasible	Caused	
Section Score										2	
6. FLOORHANDS										RS	O
Section: 14.13		Comment: Grinder guard not in place						Score		5	6
Picture #	31						Matrix:	5	Probable	Caused	
Section: 10.01		Comment: Pipe rack without chawks in place						Score		3	6
Picture #	21						Matrix:	3	Probable	Caused	
Section: 14.05		Comment: Tong weight buckets are not draining water properly causing buildup of water. Tongs are raising on their own presenting a risk of hand injury during operation						Score		2	6
Picture #	N/A						Matrix:	3	Unlikely	Caused	
Section: 14.33		Comment: Broom handle broken in half presenting very sharp edges						Score		2	6
Picture #	32						Matrix:	2	Probable	Caused	
Section: 7.69		Comment: Light cover on Rig Manager house is broken						Score		1	6
Picture #	14						Matrix:	1	Feasible	Caused	
Section: 14.12		Comment: Hammer handle is damaged						Score		1	6
Picture #	30						Matrix:	1	Probable	Caused	
Section Score										14	
7. EHS										RS	O
Section: 2.02		Comment: Hands are receiving First Aid/ CPR training but the certification cards are not getting to the hands or the office						Score		1	7
Picture #	N/A						Matrix:	1	Likely	Caused	
Section: 2.35		Comment: Emergency response plan not yet developed for company						Score		1	7
Picture #	N/A						Matrix:	1	Probable	Caused	



Risk Ownership

74.22%



25.78%



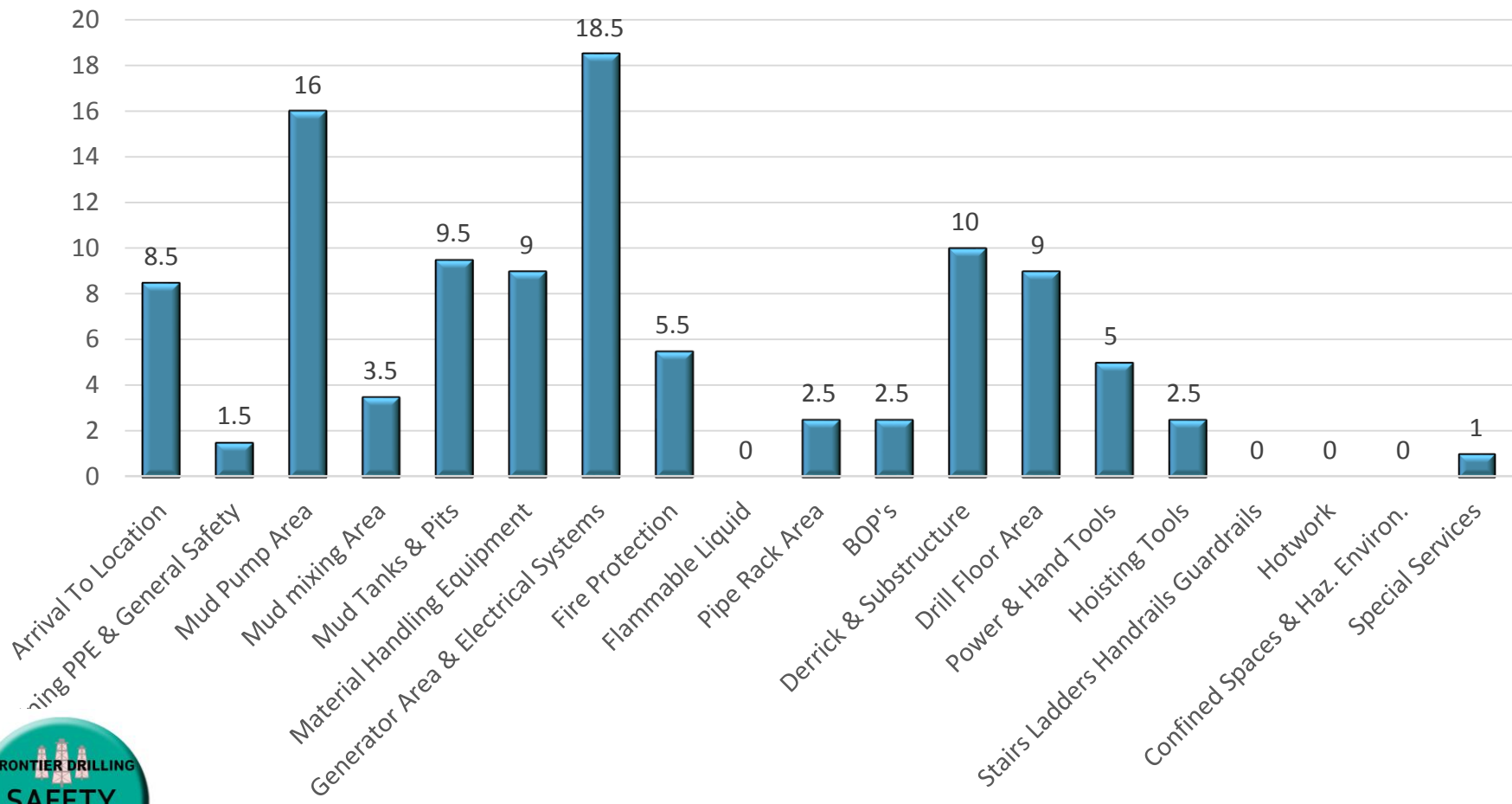
Frontier

Operator



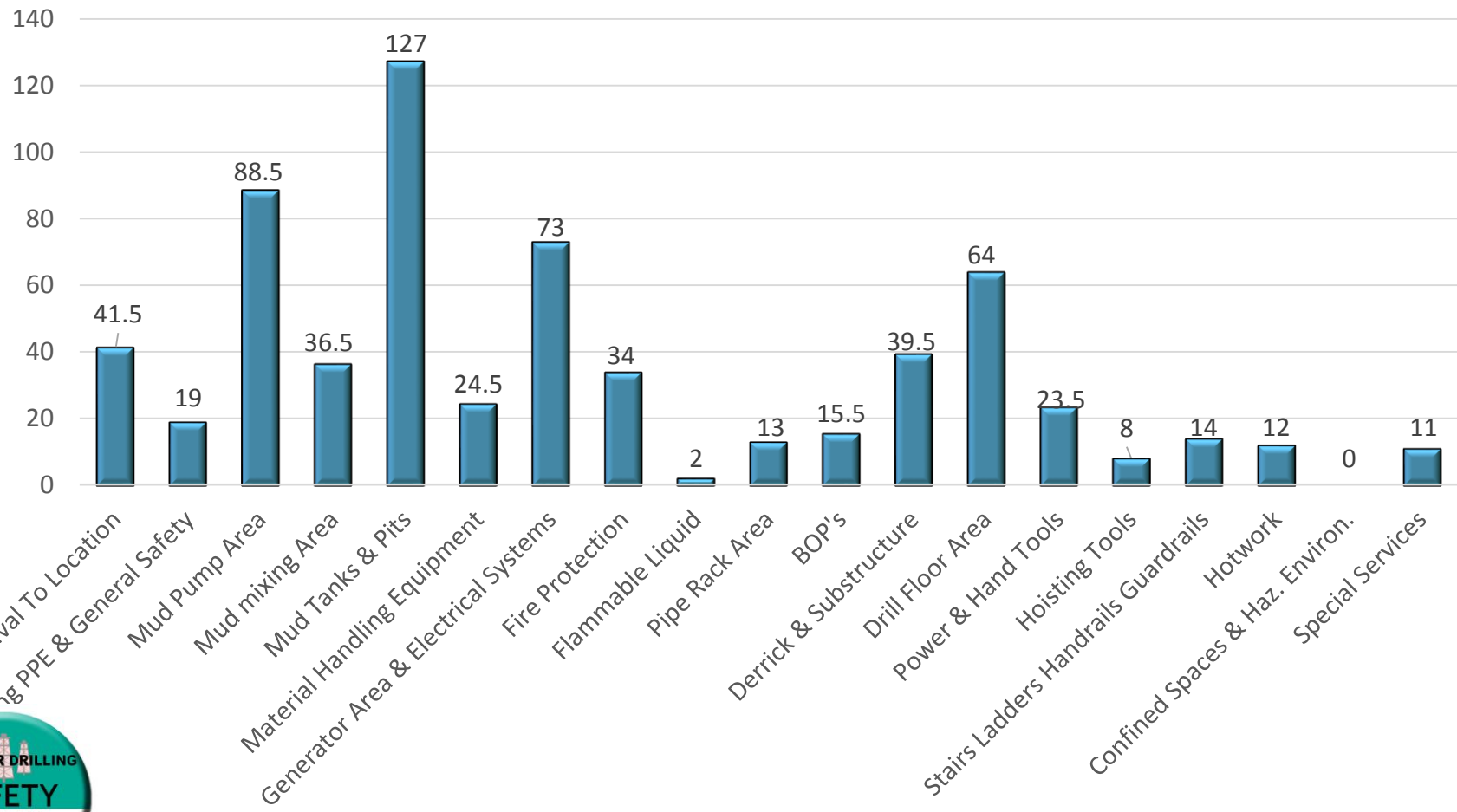
Profile Each Asset

Rig 23



Profile all Assets

Fleet



Benefits

- Reduced Costs
 - Fewer lagging indicators
 - Improved machinery efficiency & run-time
 - Lower incident cost
 - Lower NPT
- Improved morale
- More favorable reputation
- Increased productivity
- Higher Employee Retention
- Lower operating cost



Industry Benefits

