

Let's Talk Safety

WEDA Pacific Chapter Annual Meeting
November 5, 2015—San Rafael, CA

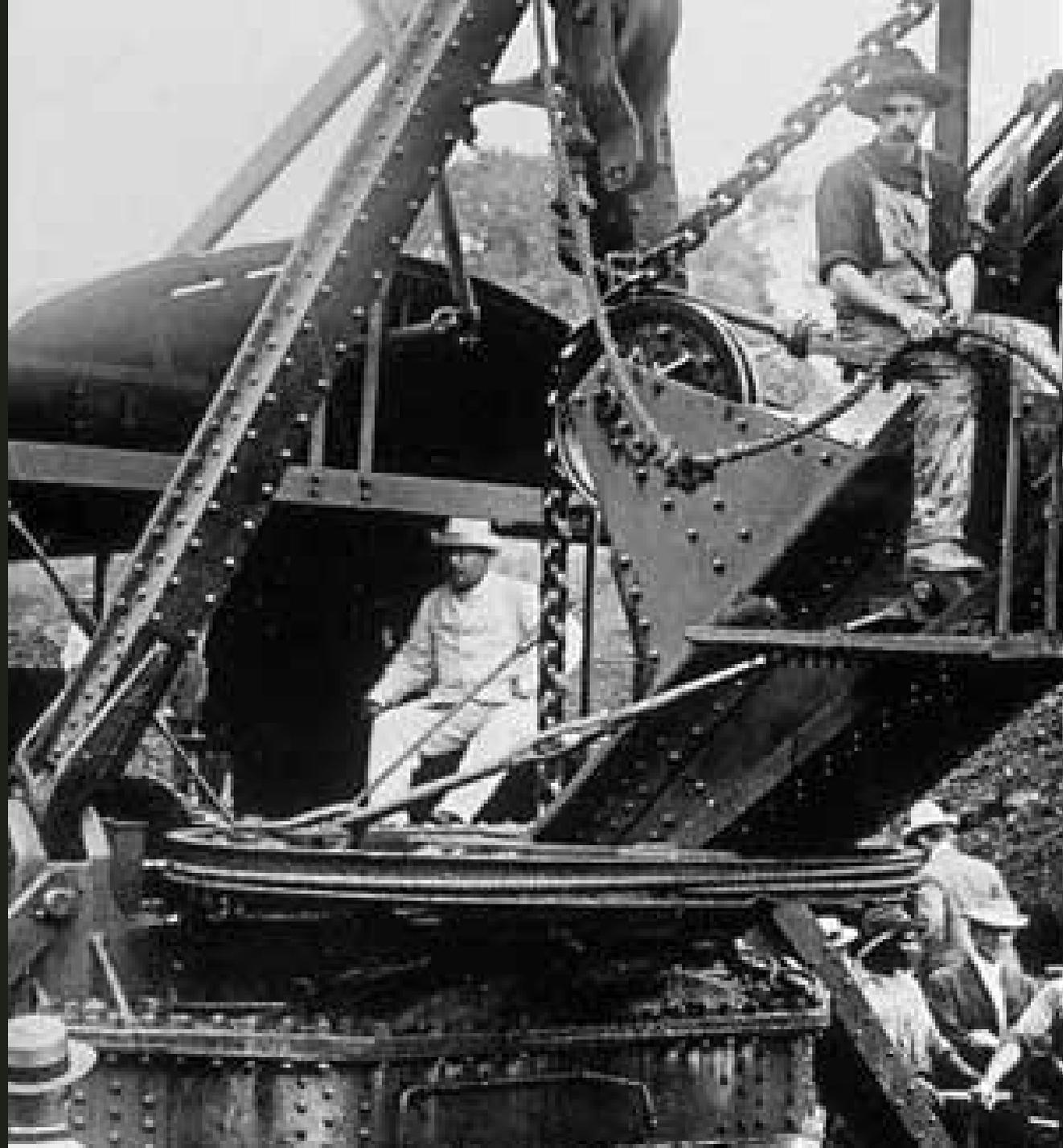


Julie Hile, WEDA Safety Commission Chair and
President, Hile Group











“Hey, we work in rough offshore conditions with heavy floating equipment. People are going to get hurt.”

















“What do you expect—this is dredging!”





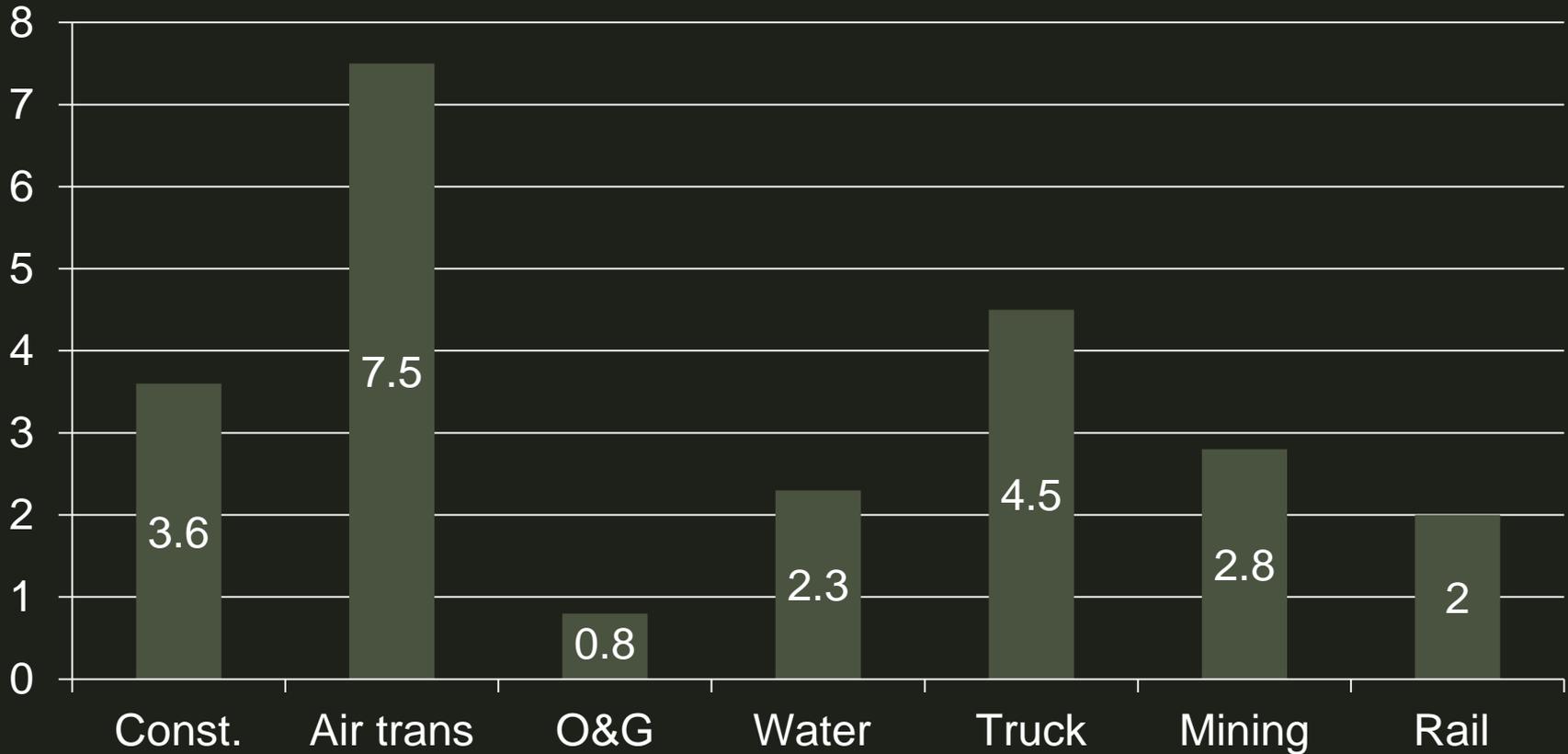
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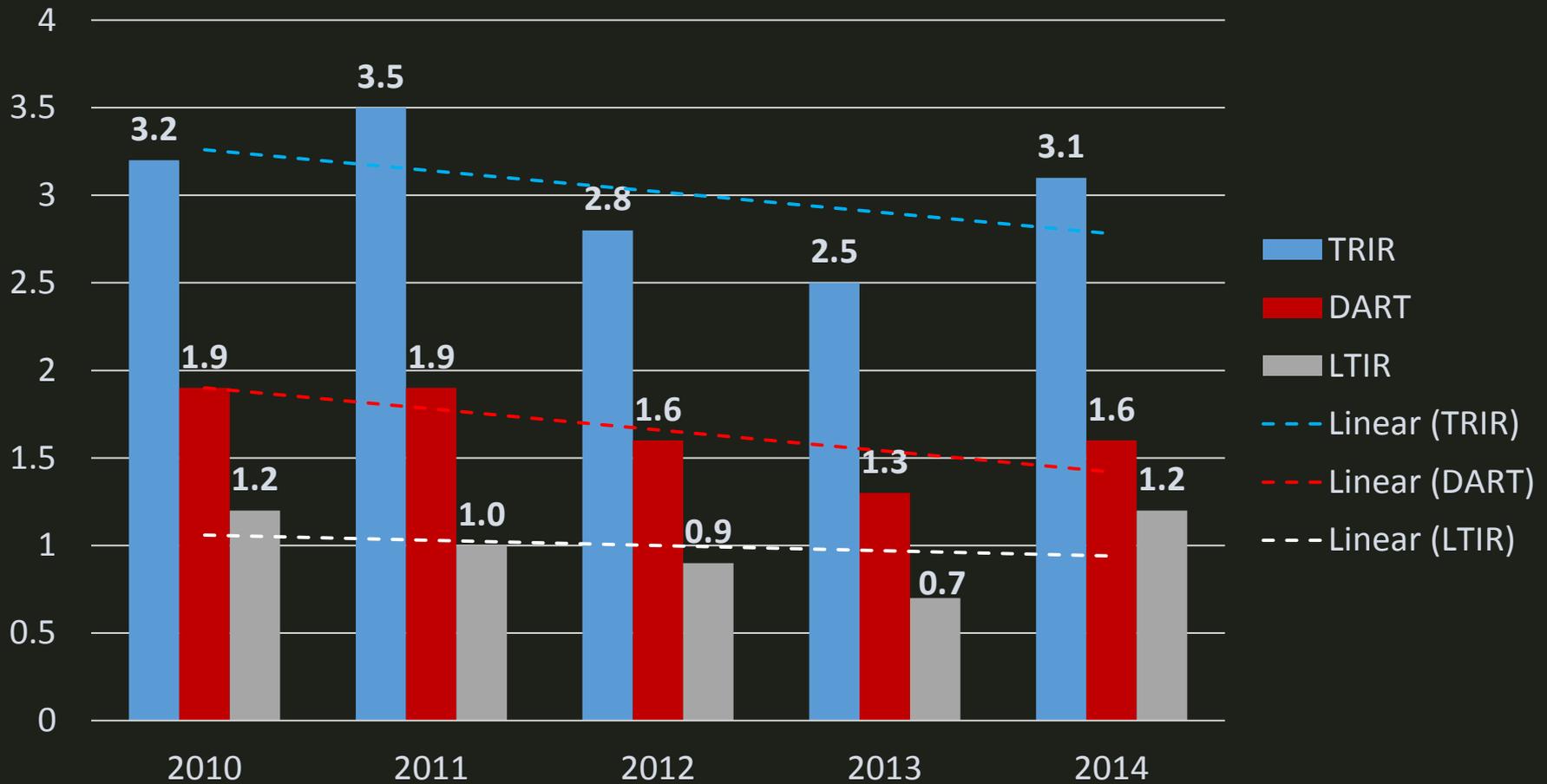


Benchmarking

Injury frequency



Dredging Incident Rates 2010-2014



Based on Bureau of Labor Statistics reports for NAICS code 237990
[Construction - other heavy and civil engineering construction]

Dredging Incident Statistics Breakdown 2013-2015 YTD

Body Part

Body Part	Q3, 2015	Q2, 2015	Q1, 2015	2014
Head (Gen. or Multiple)			2.94%	0.90%
Eye	8.33%	7.1%	2.94%	13.74%
Ear				0.35%
Mouth (including teeth)				0.25%
Neck (including throat)				0.90%
Shoulder	4.17%	10.7%	8.82%	5.63%
Arm (Upper)	8.33%	3.6%	2.94%	1.54%
Elbow	8.33%		2.94%	0.62%
Arm (Lower)	8.33%	7.1%	5.88%	0.62%
Wrist	8.33%		5.88%	3.00%
Hand		7.1%	5.88%	10.10%
Finger	33.33%	25.0%	11.76%	22.77%
Chest				2.10%
Ribs			2.94%	0.90%
Groin			2.94%	4.00%
Back (Upper)				1.10%
Back (Lower)		10.7%	20.59%	10.29%
Lower Extremity (Gen. or Mult.)				0.52%
Leg (Upper)			2.94%	0.36%
Knee		3.6%	8.82%	3.10%
Leg (Lower)	8.33%	3.6%	2.94%	2.16%
Ankle	8.33%			6.98%
Foot				3.23%
Toe				0.90%
Multiple		7.1%	2.94%	4.10%

Body Part	2013
Arm / Wrist	7.99%
Back	15.46%
Elbow	4.17%
Eye	17.06%
Feet	.77%
Hands / Fingers	32.56%
Head	8.69%
Knee	3.39%
Leg / Ankle	1.56%
Neck	1.30%
Shoulder	5.32%
Torso	5.14%
Other (illness)	6.23%

Tracking categories became more granular in 2014. Statistics provided by CDMCS— with thanks to Billy Nix, Weeks Marine.

Dredging Incident Statistics Breakdown 2013-2015 YTD Injury Type

Nature of Injury or Illness:	Q3, 2015	Q2, 2015	Q1, 2015	2014
Abrasions, Scratches	20.8%	20.0%	5.9%	8.06%
Amputation or Enucleation		3.3%		0.90%
Burn (Chemical)				4.83%
Burn (Heat)	4.2%	3.3%		
Cerebrovascular & other Circulatory Conditions				0.91%
Contusion, Crushing, Bruise	8.3%	3.3%	8.8%	12.63%
Cut, Laceration, Puncture	16.7%	13.3%	35.3%	14.88%
Dislocation		3.3%	2.9%	0.26%
Other diseases of eye		3.3%		3.57%
Fracture	8.3%	6.7%	2.9%	16.94%
Hernia, Rupture			2.9%	0.91%
Inflamed/Irritated Joints, Tendons, etc.		3.3%		0.36%
Mental Disorders				
Multiple Injuries				2.71%
Sprains, Strains, Pulls	16.7%	20.0%	38.2%	31.05%
Symptoms & Ill-Defined Conditions		3.3%		
Insect/Spider Bite/Fish Fin/Stingray/Shark	8.3%	16.7%		1.26%
Non-Classifiable			2.9%	
All Other Occ. Illnesses	8.3%			7.70%

Injury Type	2013
Contusion	8.40%
Foreign body - Eye	18.75%
Fracture / Dislocation / Crushing	5.04%
Puncture/ Cut /Scrape / Avulsion	24.10%
Non – traumatic illness / Disease	26.67%
Sprain / Strain	17.02%

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Dredging Incident Statistics Breakdown 2013-2015 YTD

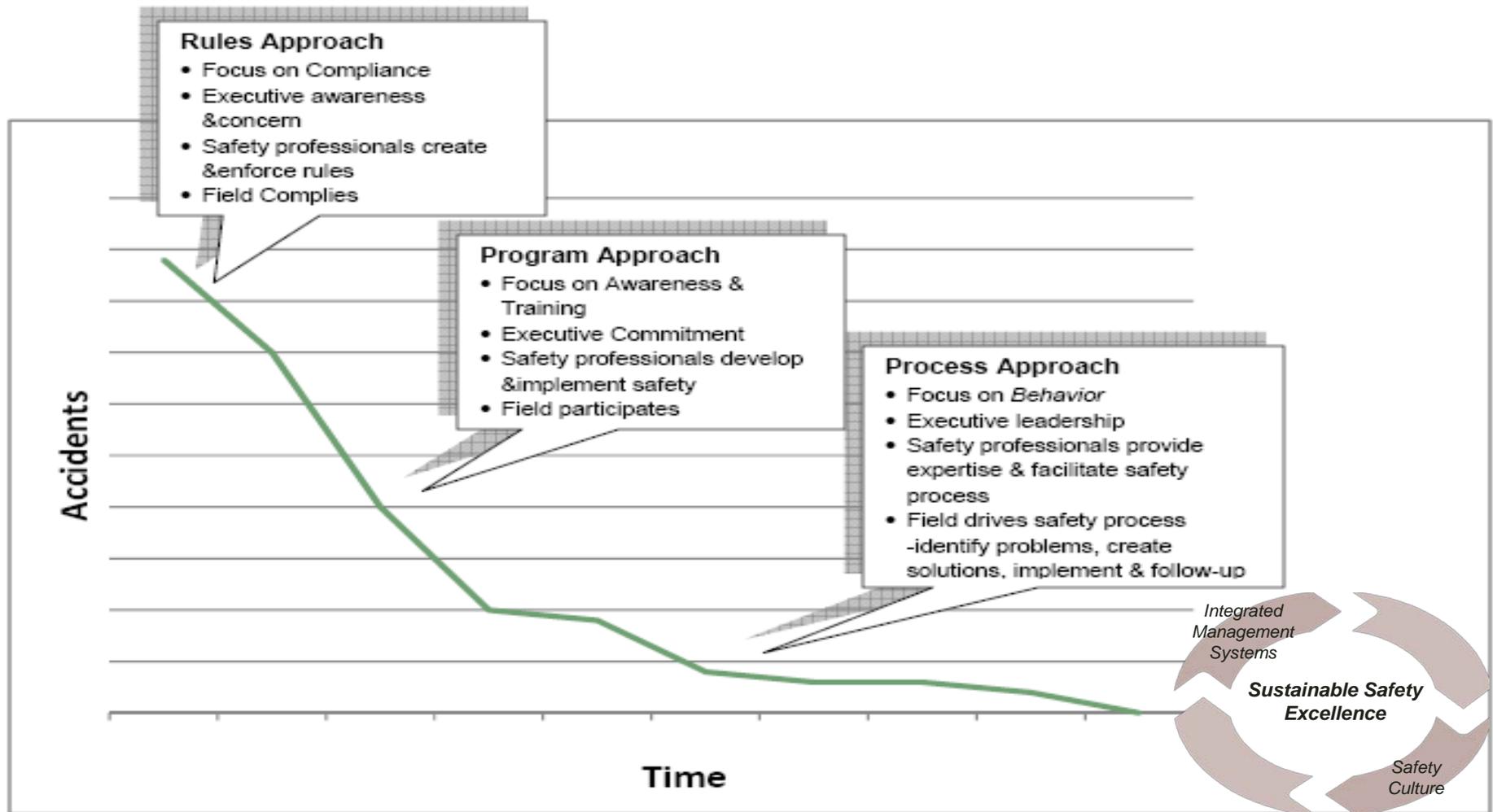
Incident Type

Incident Type	2015	2015	2015	2014
Bodily Reaction		6.7%		0.36%
Caught in, under	12.5%	10.0%	8.8%	14.71%
Contact with extreme temperatures				1.19%
Fall from elevation or overboard	25.0%	3.3%		2.01%
Fall, slip or trip on same level	8.3%	10.0%	8.8%	11.71%
Highway motor vehicle accident				1.81%
Overexertion or strain	8.3%	23.3%	50.0%	23.20%
Struck against object	12.5%	10.0%	17.6%	10.74%
Struck by object	16.7%	23.3%	11.8%	19.37%
Foreign object in	8.3%		2.9%	9.89%
Other	8.3%	13.3%		2.02%

Incident Type	2013
Caught Between	1.78%
Contact By	29.75%
Falls from Same Level	4.77%
Falls from Elevation	0.60%
Overexertion	22.50%
Struck Against	9.05%
Struck By	10.72%

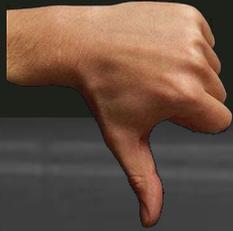
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The Evolution of Safety



Big Hug & Bottom Line

- The Big Hug
 - You don't want to accept injury and incident as a cost of doing business
 - People deserve to work in a safe place
- The Bottom Line
 - If you don't control costs of loss, you won't be in business for long
 - And your company won't be competitive



Bumper Sticker Safety





Safe Production

- Embed safety into operations
- Evolve operating culture to identify, learn from, and mitigate risk
- Model good decision-making up top; promote it at point of hands-on work
- Work from leading and lagging performance data



Bumper Sticker Safety



**WE MAKE SAFE
PRODUCTION FLY!**



Pacific Chapter Member Safety Strengths



Shared Safety Tools

- Sustainable Safety Excellence Litmus Test
- Organization Performance Factors
- What else?



What Keeps Us Up At Night, Safety-wise



Julie's Asks

- Embed safety into Chapter operations
 - 👓 Safety briefings
 - 👓 Safety on meeting programs
 - 👓 More sharing of best tools and practices
- Appoint Chapter rep to WEDA Safety Commission
- Encourage members with great, safe projects to apply for Annual WEDA Safety Award



Thanks,
and be safe out there.