

# Results of the 2007 Safety Survey

Presented to  
The Hydraulic Power Committee  
Duluth, MN

# The 2006 Survey

- Sixteen member companies responded
- Questions centered around (2003-2005):
  - Number safety incidents
  - Severity safety incidents
  - Contents safety program
  - Hours worked
  - Trends?

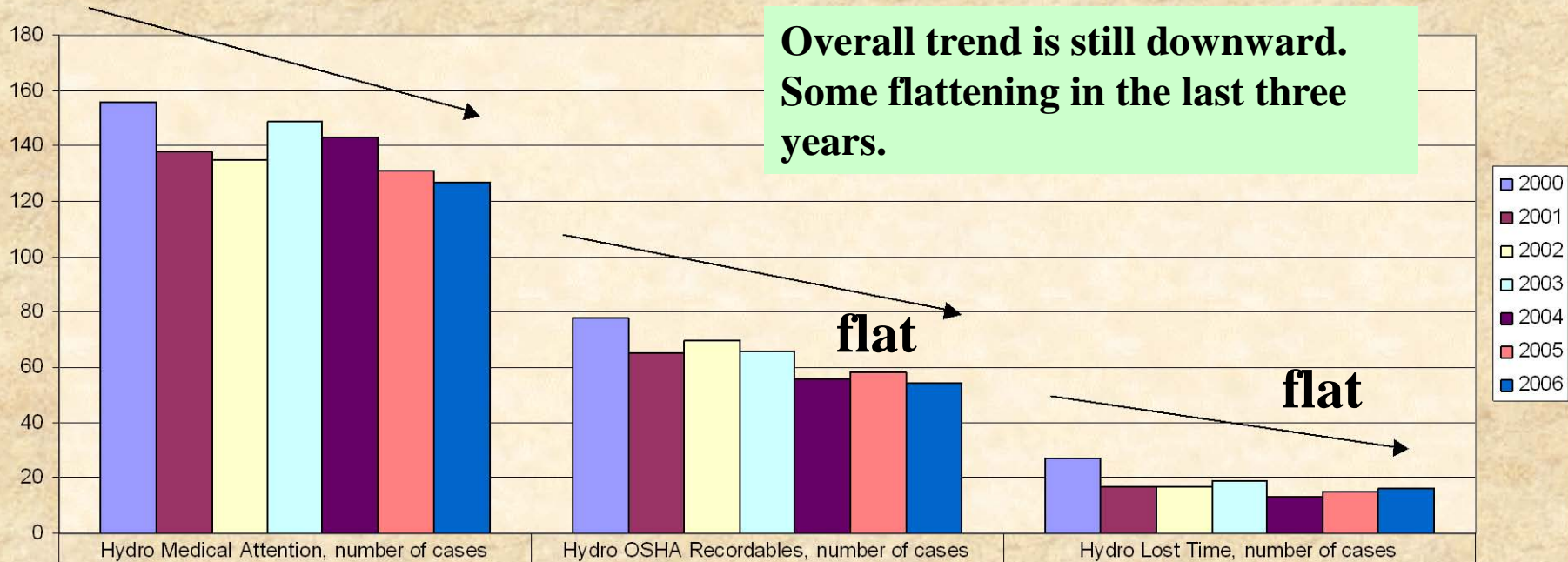
# The 2007 Survey

- Eleven member companies responded
- Questions centered around (2000-2006):
  - Age at the time of the incident
  - Contributing Factors
  - When are incidents happening?
  - Trends?

# General Trends

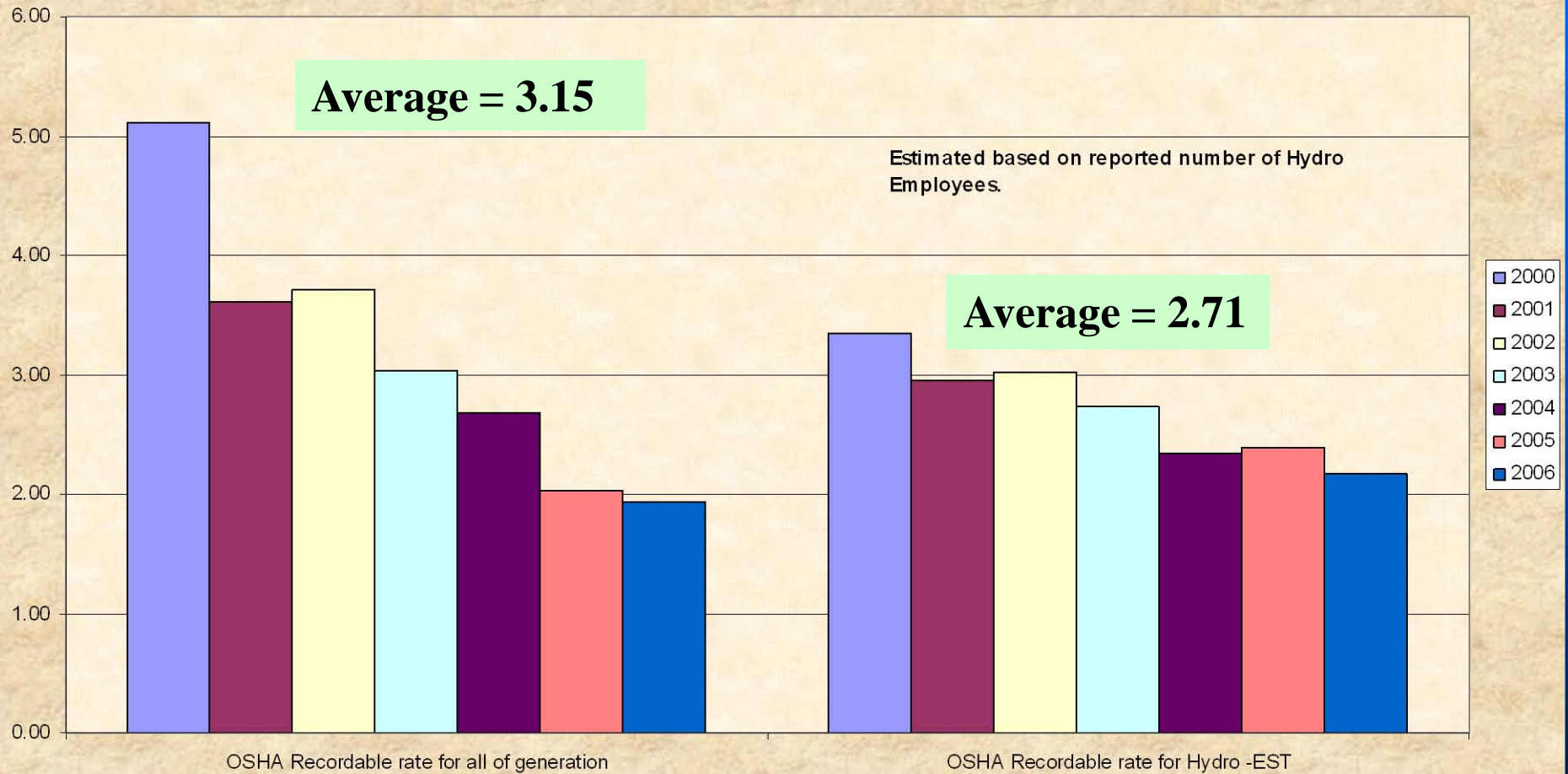
- Zero fatalities
- Number of medical attention/injuries decreasing.
- Number of lost time cases flattened.
- OSHA Recordables flattened over the last three years
- Hydro Generation slightly out performs fossil by comparison.

## OSHA Statistics



	Hydro Medical Attention, number of cases	Hydro OSHA Recordables, number of cases	Hydro Lost Time, number of cases
2000	156	78	27
2001	138	65	17
2002	135	70	17
2003	149	66	19
2004	143	56	13
2005	131	58	15
2006	127	54	16

## OSHA Hydro and OSHA Generation

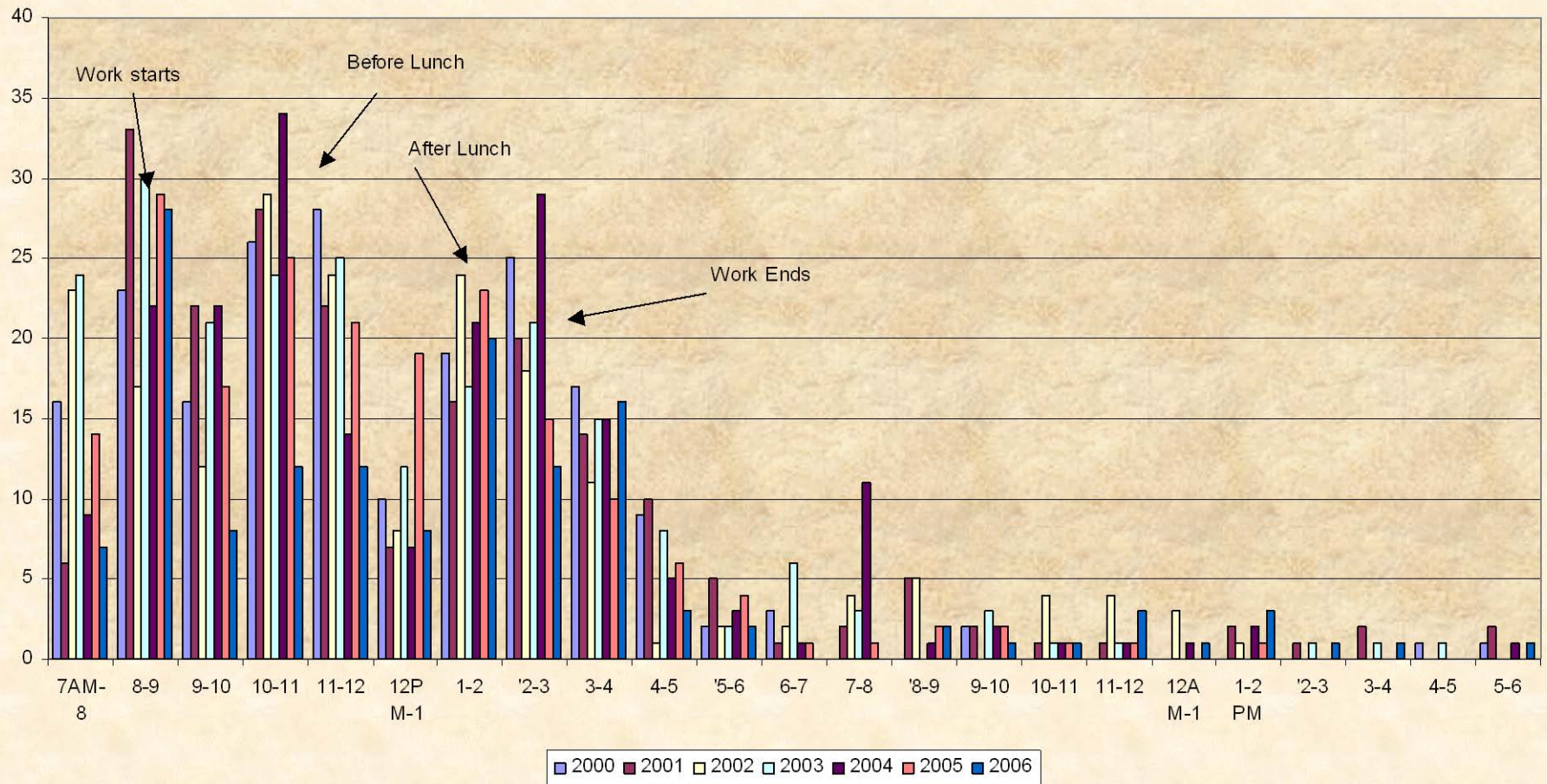




# Continuous Improvement

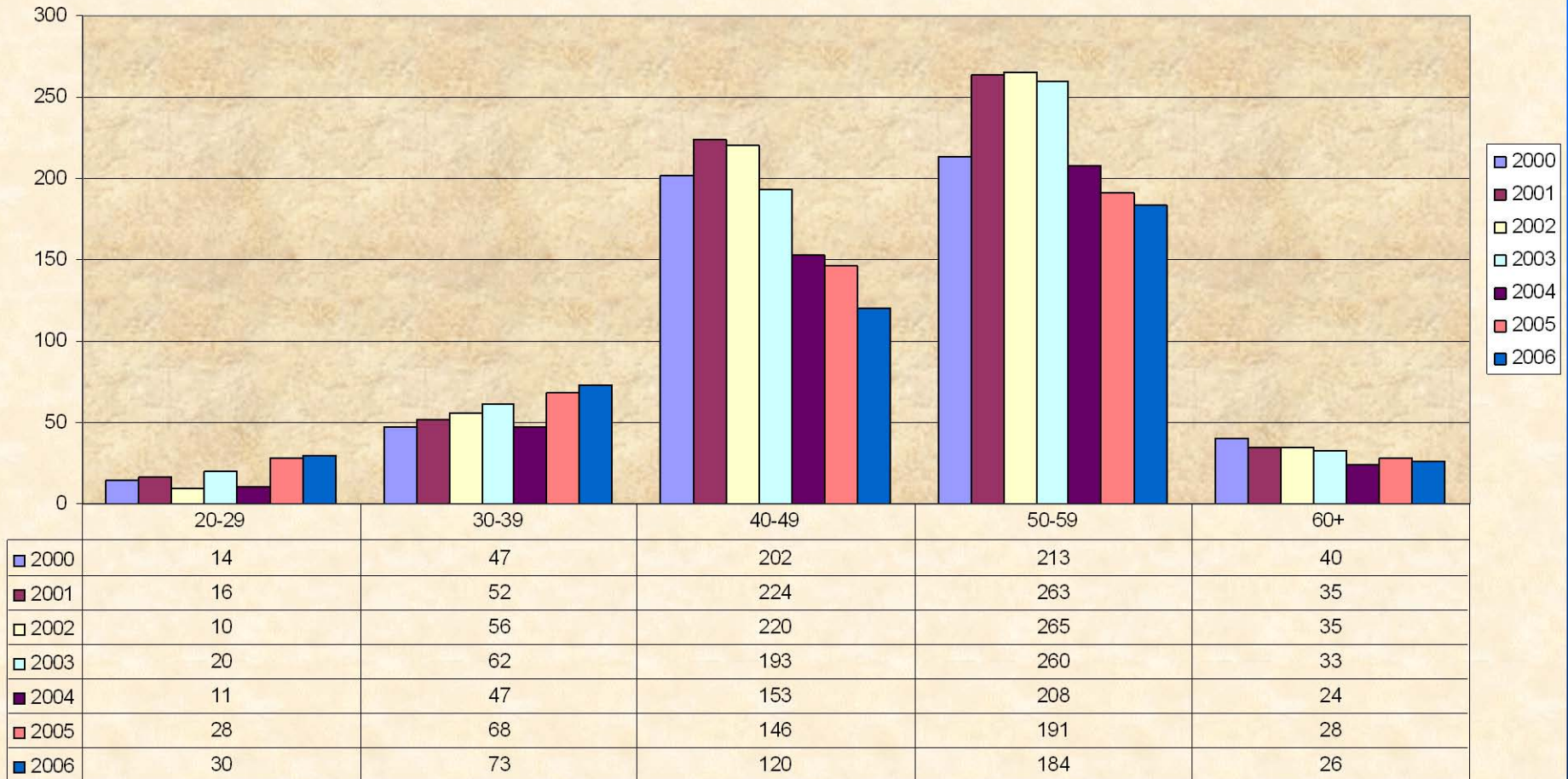
- Where should we direct our efforts?
- Is there a general profile?
- Is there a more dangerous
  - Time of day?
  - Working Age?
  - Day of week?
- Are there contributing factors?

## Hydro Injuries by Time of Day

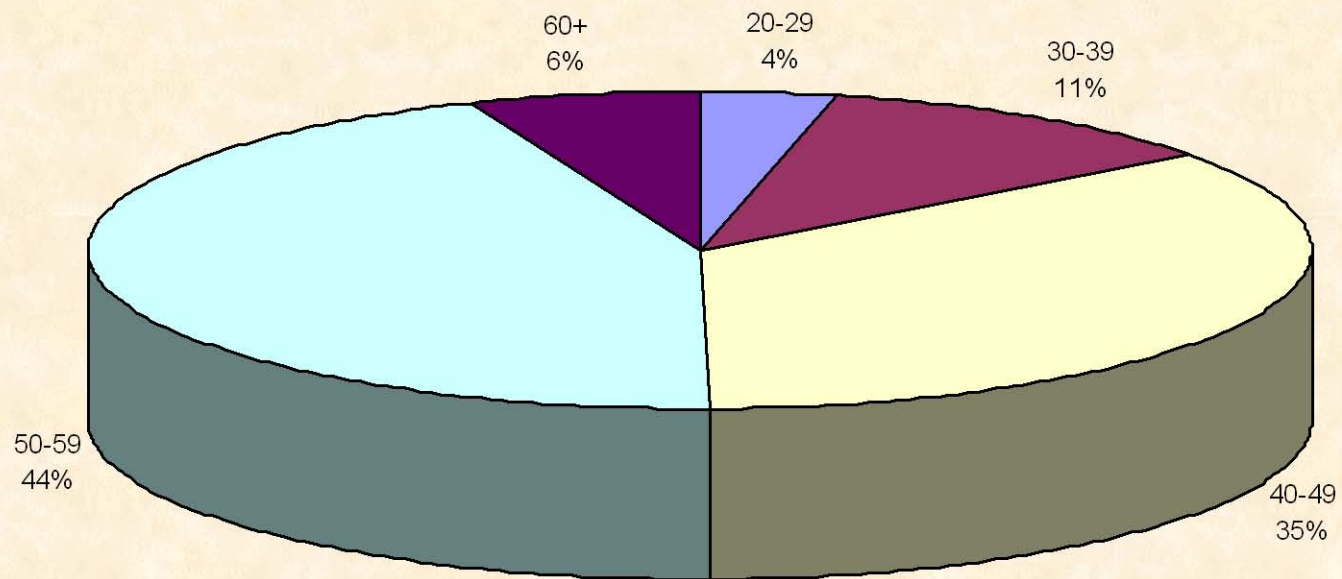




## Hydro Incidents by Age Catagory

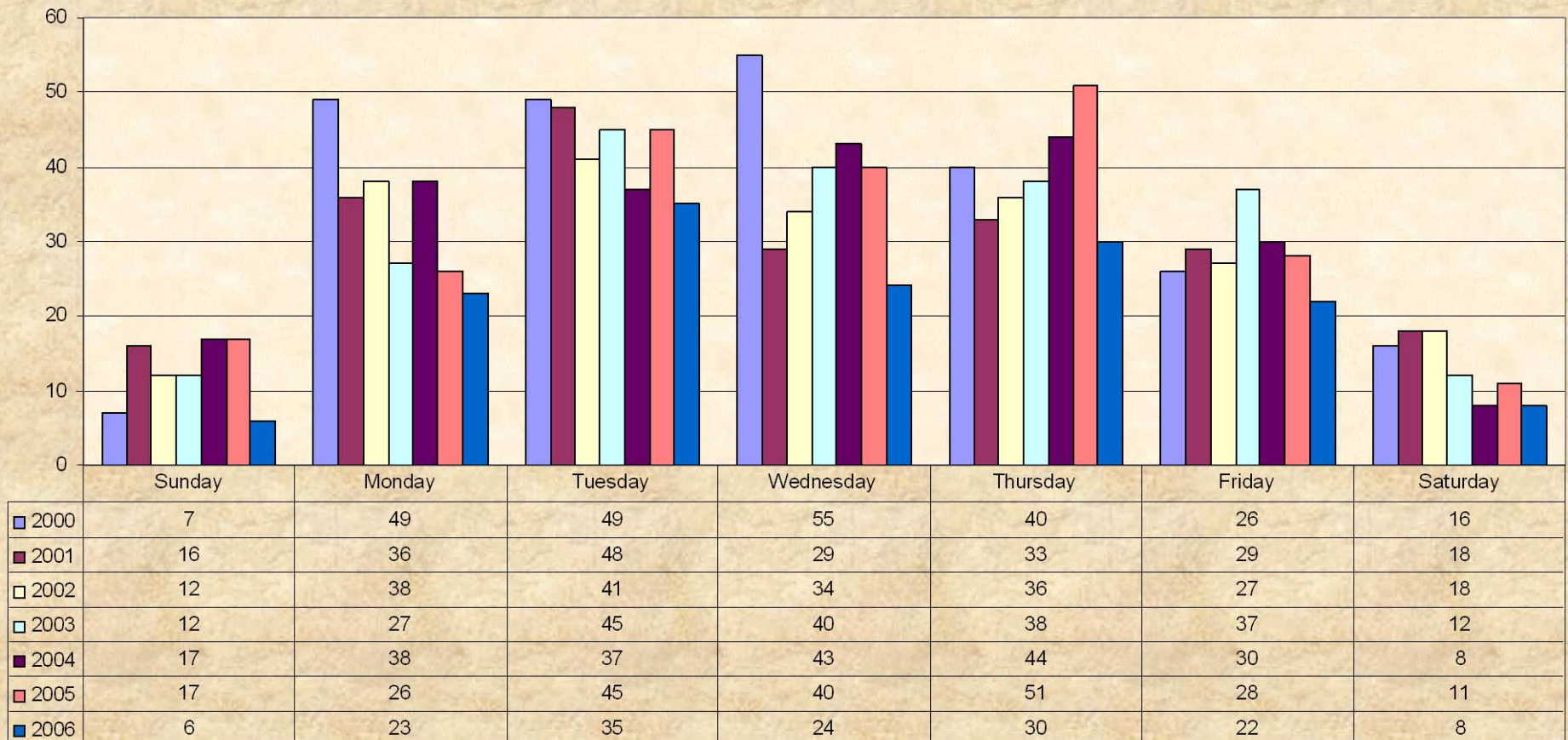


**Age Distribution of Hydro Incidents**



■ 20-29 ■ 30-39 ■ 40-49 ■ 50-59 ■ 60+

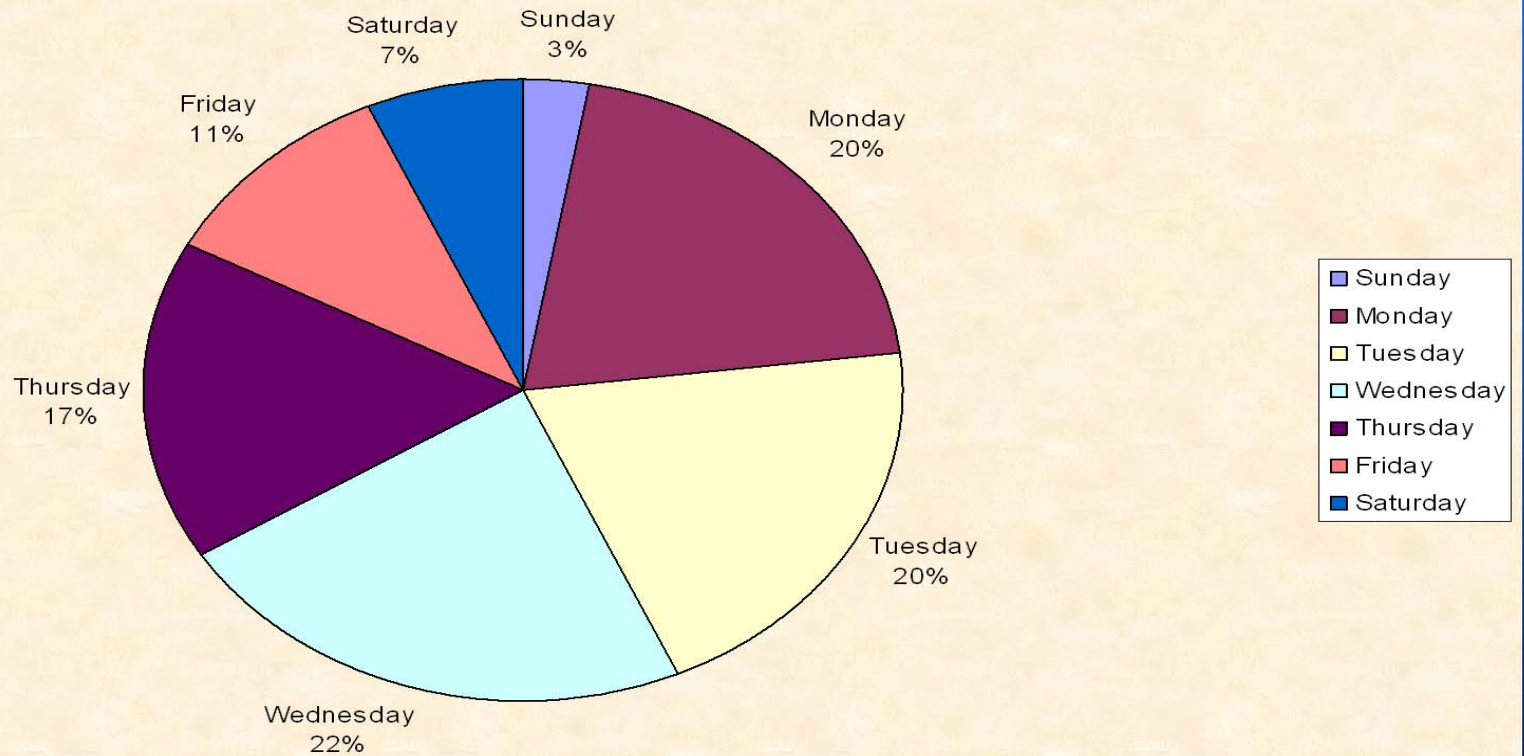
## Hydro Incidents by Day of Week



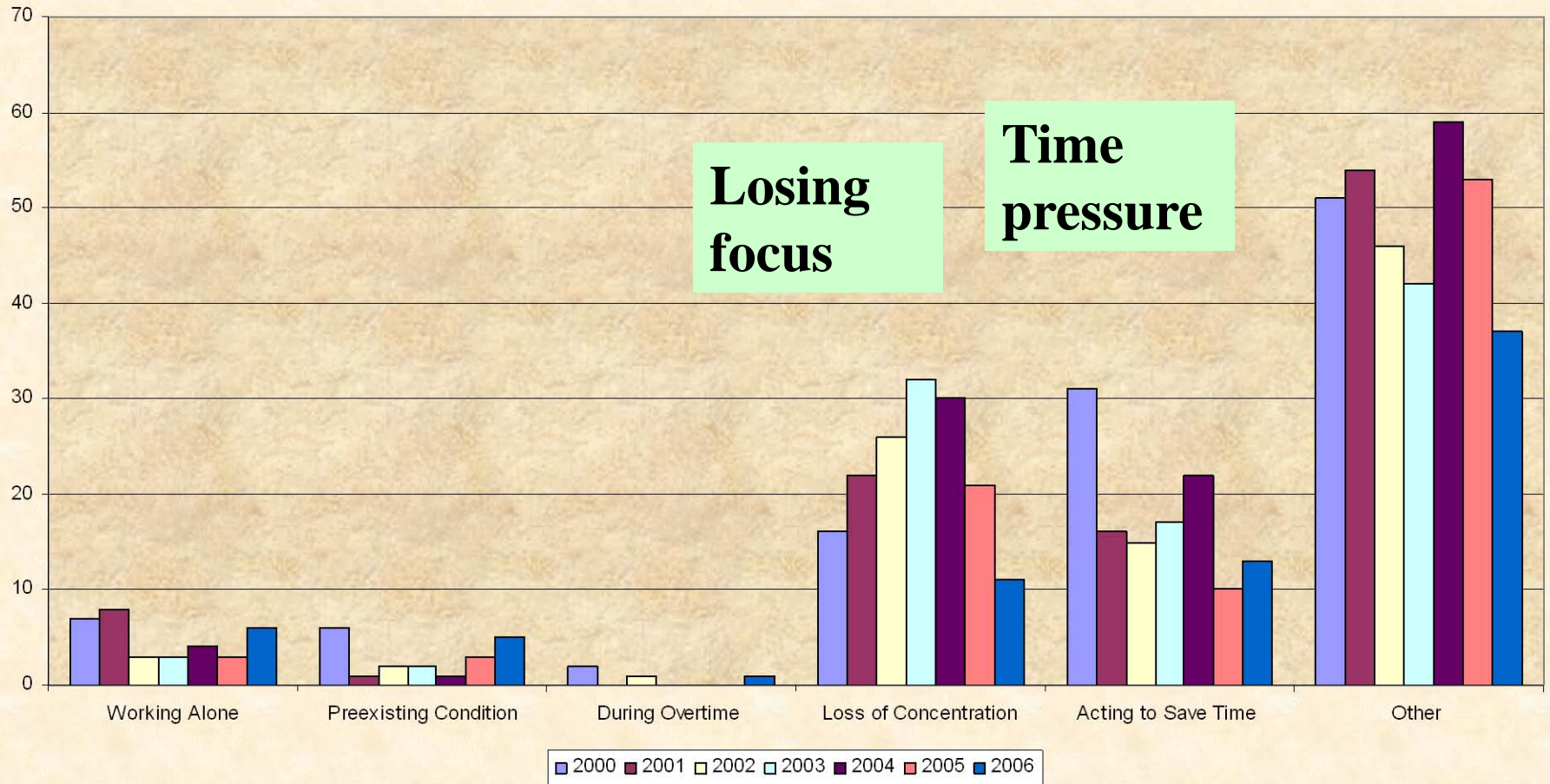
■ 2000 
 ■ 2001 
 ■ 2002 
 ■ 2003 
 ■ 2004 
 ■ 2005 
 ■ 2006



Hydro Incidents by Weekday

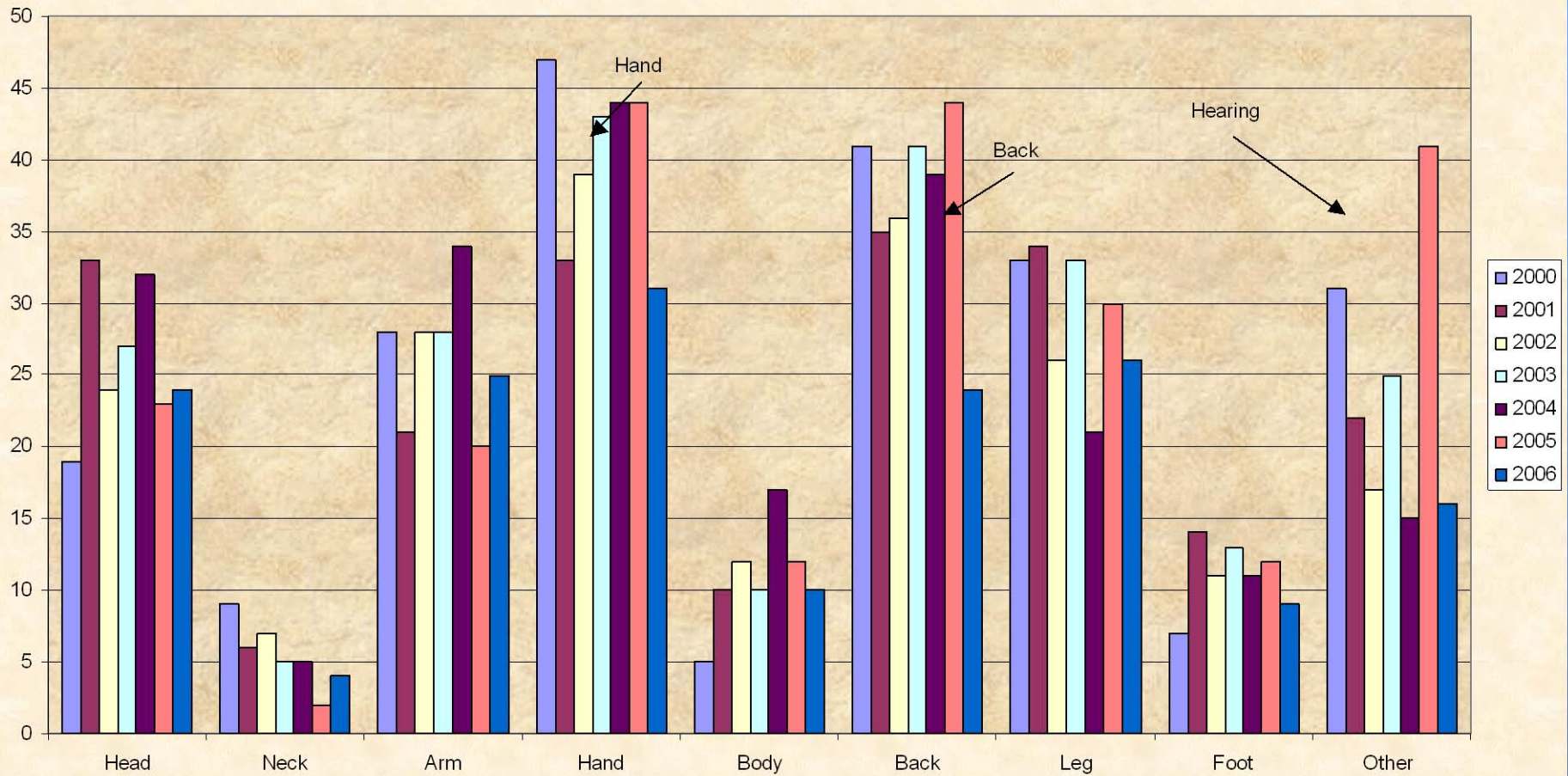


## Hydro Incidents Contributing Factors

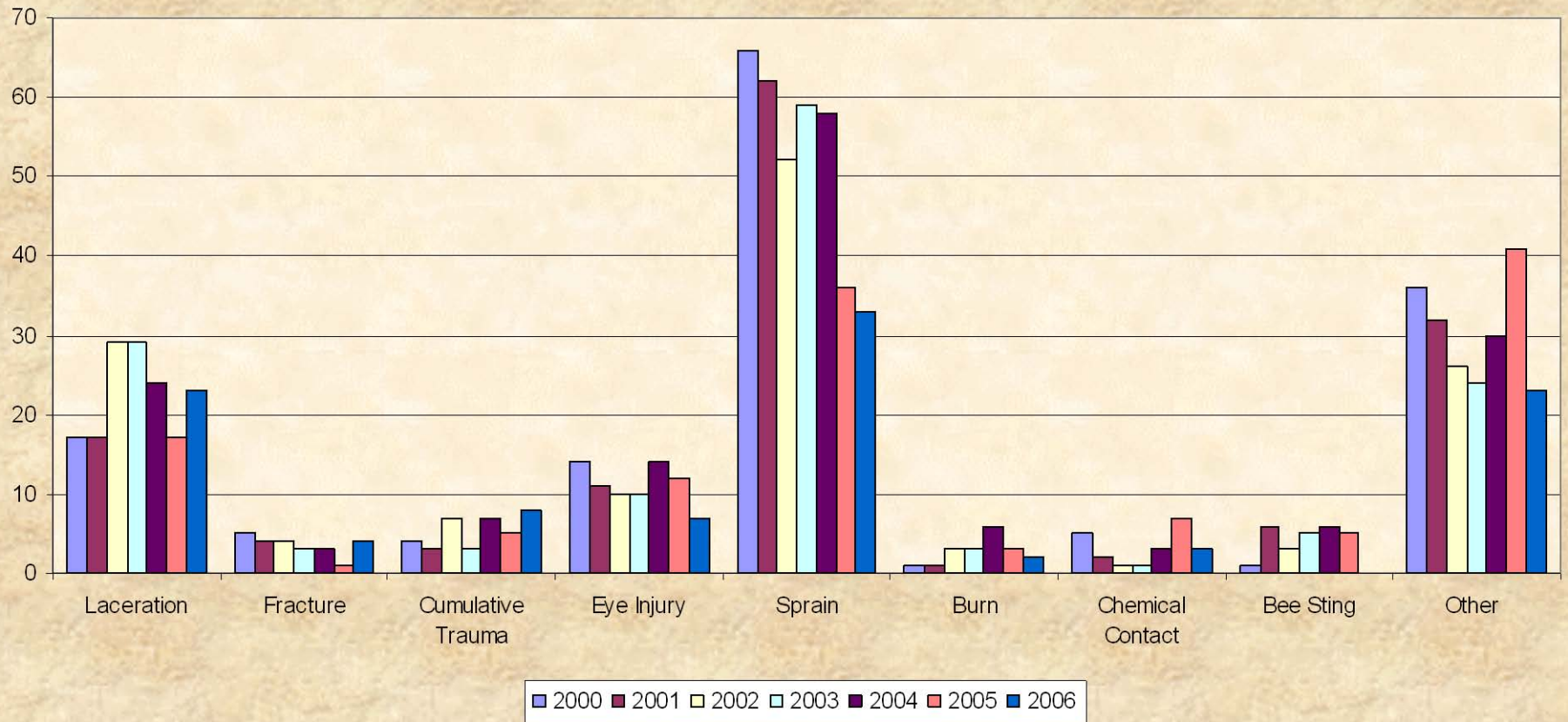




## Hydro Injuries by Body Part



### Hydro Incidents by Type



# Statistical Profile

- Monday
- After Lunch
- 50 year old worker
- Trying to get finished by the end of the day (time pressure)
- Sprained Back/Cut Hand

# Action Plan/ Business Plan Ideas

- Re-focus employees after lunch or breaks.
- Hold Safety Stand-downs on Wednesdays.
- Hold soft tissue prevention workshops for employees on safety days.
- Encourage stretching before work begins. Hang posters with stretching exercises.
- Have supervisors and foremen learn basic stretching techniques to lead crews in stretching exercises.
- Share data with Employees for heightened awareness.
- Hold employee focus groups to review data and look for other opportunities.

# Next Year?

## Discussion