

Alberta

Occupational Health and Safety Update Petroleum Safety Conference



May 5, 2010

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Occupational Health and Safety
Branch

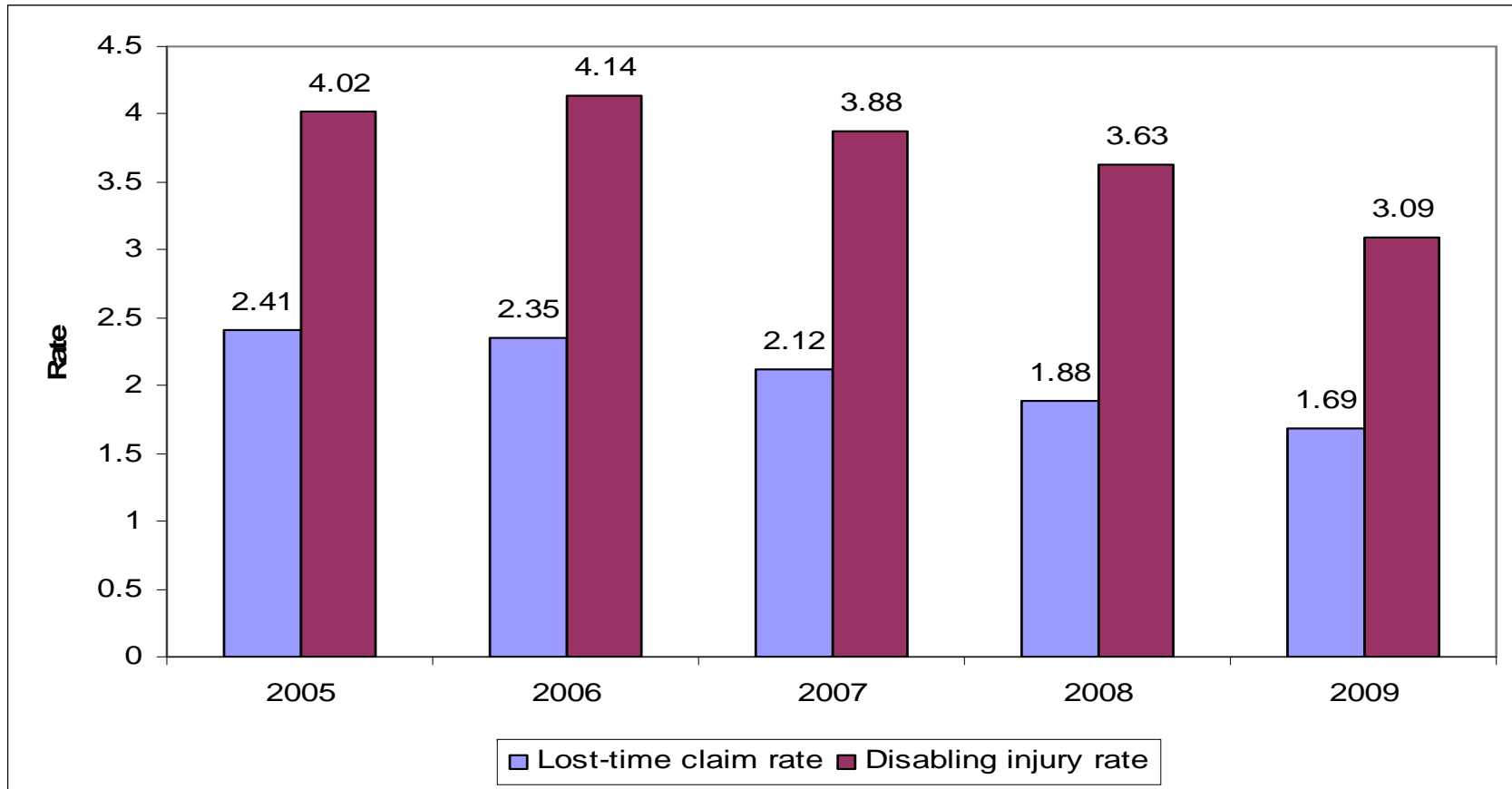


Government of Alberta ■
Employment and Immigration

Agenda

- Lost Time Claim (LTC) and Disabling Injury (DI) Rate for the upstream oil and gas sector
- 2009/2010 Occupational Health and Safety (OHS) inspections in the upstream oil and gas sector
- 2009/2010 WHS prosecutions completed in the upstream oil and gas sector
- Issues/Initiatives: Auditor General's (AG) Report, Employer Review Process, Ticketing, Publication of Employer Safety Statistics

Injury claim rates, Alberta 2005 to 2009

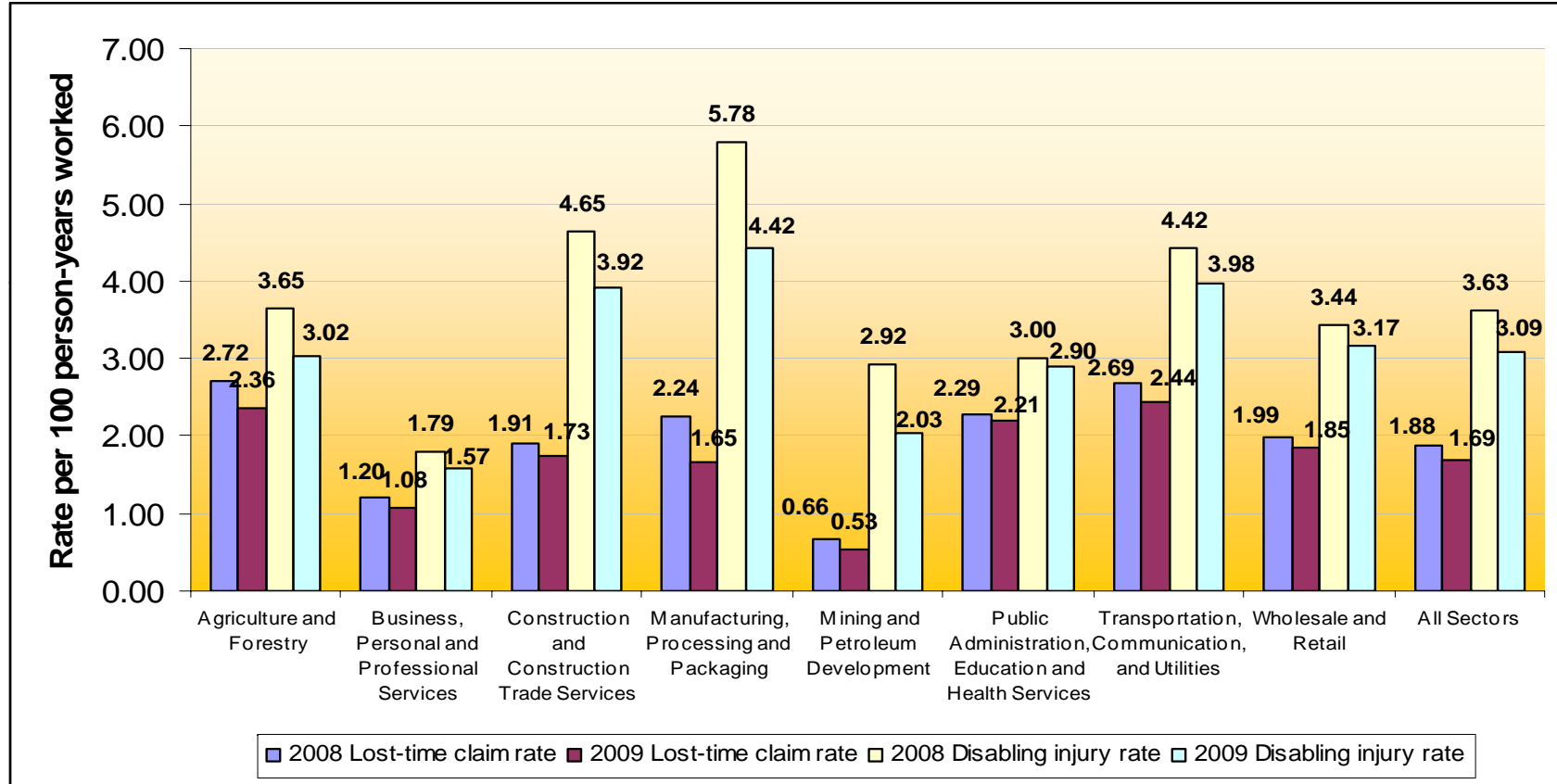


Occupational fatalities and fatality rate, Alberta 2000 to 2009

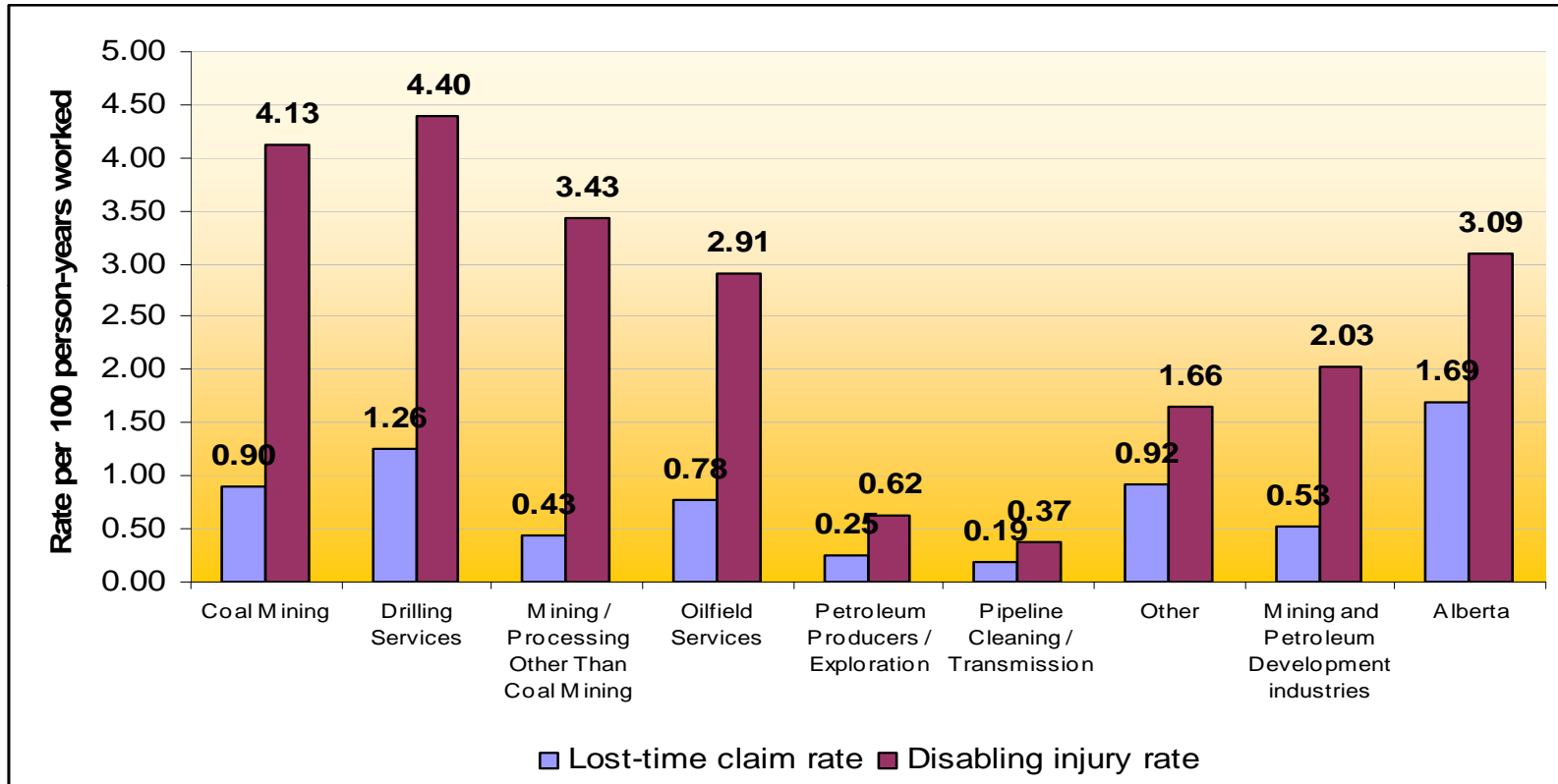
	Total Fatalities	Fatality Rate
2000	118	102
2001	118	98
2002	101	80
2003	127	101
2004	124	89
2005	143	97
2006	124	78
2007	154	93
2008	166	99
2009	110	71
Total	1,285	90
% change 2008 to 2009		
	-33.7%	-28.5%

Source: WCB data, prepared by Data Development and Evaluation.

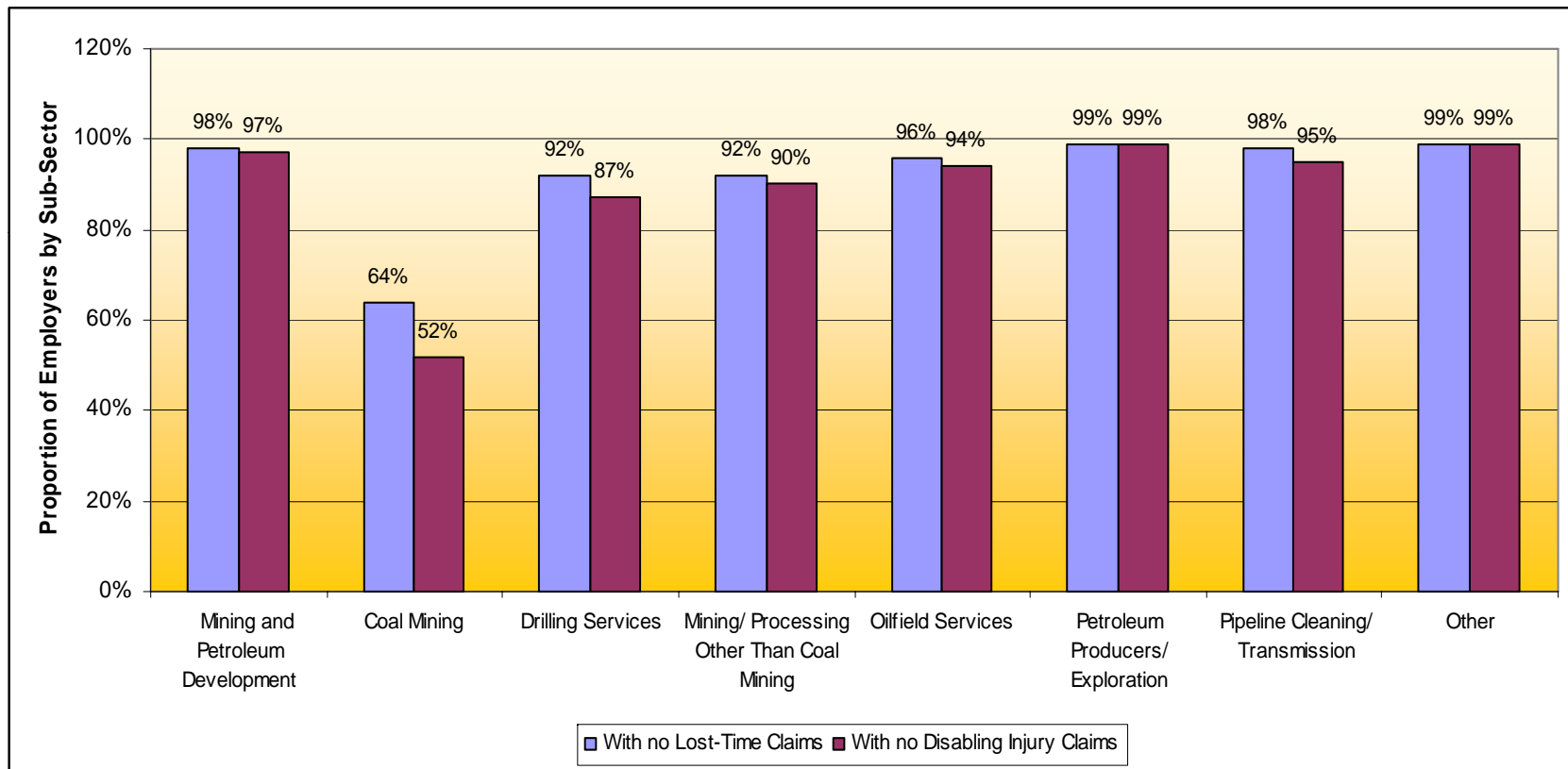
LTC Rates and DI Rates, by Major Industry Sector – Alberta: 2008 vs. 2009



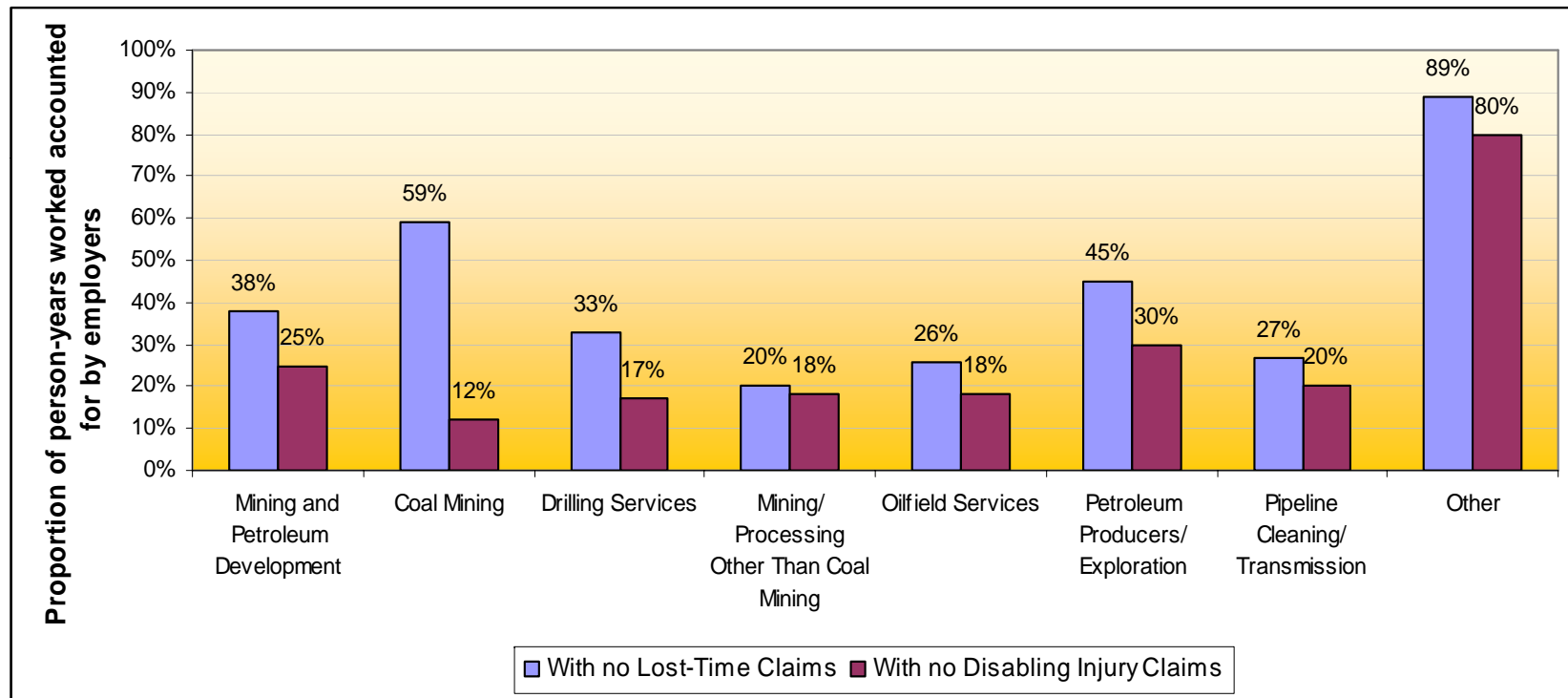
LTC and DI Rates by Mining and Petroleum Development Sector — Alberta: 2009



Proportion of Employers with no Lost-Time or Disabling Injury Claims, by Mining and Petroleum Development Sector – Alberta: 2009



Proportion of Person-years worked accounted for by Employers with no Lost-Time or Disabling Injury Claims, by Mining and Petroleum Development Sector – Alberta: 2009



Occupational Fatalities Accepted by the WCB – Mining and Petroleum Development Sector: 2005 – 2009

Sub-Sector	2005	2006	2007	2008	2009	Number of Fatalities
Mining and Petroleum Development	17	13	10	15	14	69
Coal Mining	4	1	0	3	1	9
Drilling Services	4	3	1	5	2	15
Mining/Processing Other Than Coal Mining	0	2	0	1	4	7
Oilfield Services	6	4	4	4	2	20
Petroleum Producers/Exploration	1	2	5	0	1	9
Pipeline Cleaning/Transmission	2	0	0	1	2	5
Other	0	1	0	1	2	4

Upstream Oil & Gas Inspections

- OHS officers conducted 919 inspections in the 2009/2010 fiscal year;
- Resulted in 388 orders in 2009/2010
- Majority of orders issued around reporting and investigation of incidents, following manufacturers specifications, hazard assessments, use and storage of compressed gas and worker training

2009 OHS Prosecutions Completed

- 9 Alberta companies across all industries were fined just over 1 million in 2009;
- 7 recent convictions in the last 15 months were related to oil and gas sector
- New charges were laid on 15 oil and gas industry related companies over the same 15 month period

Prosecution Details

- Worker pinned between 2 sections of oil well casing
- Worker struck by hydraulic lifting arm
- Welder and other worker fatally injury welding explosion
- Arm amputation caught between moving parts while servicing crown rig assembly
- Hand amputation caught in machinery on rig derrick

Conviction Details

- 5 employers fined under:
 - OHS Code sec 189
 - OHS Code sec 212 (1)
 - OSH Act 2(1)a
 - OHS Code sec 310 (2)a
 - OHS Code sec 7 (4)
- 2 workers fined under:
 - OHS Act 2(2)a
 - OHS Code 367 (2)

Auditor General's Report on OHS

- 1) Repeat and Chronic Non-Compliance
- 2) Asbestos Certification and Training
- 3) Risk Targeting
- 4) Partnerships in Injury Reduction
 - Employer Review
 - Onsite Audit Review (OSAR) Project
 - Certifying Partners (CP) Audit Follow-up

Employer Review Process

- 1) Fatality/Serious Injury or Incident
- 2) 2 or more stop work orders for Imminent Danger within 12 months
- 3) Officer observed violations indicating Management System Deficiency
- 4) Employer Injury and Illness Prevention Program (EIIPP) Participants – Chronic or No Audited Management System
- 5) WCB Fraud
- 6) Alberta Immigrant Nominee Program

Publication of Employer Safety Statistics

- 1) LTC and LTC Rate
- 2) DI and DI Rate
- 3) Person Years
- 4) Company Name, Address and WCB Account
- 5) Modified DI Rate
- 6) <40 Person Years Raters Not Calculated
- 7) OHS Orders

OHS Tickets

- 1) Ladders
- 2) Fall Protection
- 3) Signaller
- 4) Traffic Hazards
- 5) Power Lines
- 6) PPE
- 7) RPE
- 8) Powered Mobile Equipment
- 9) Rigging
- 10) Scaffolding
- 11) Machinery
- 12) Trenching

- Questions?