

2022 Annual Report for WorkSafeBC

ENERGY SAFETY CANADA BC

Submitted to WorkSafeBC: March 2023

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1.0 Executive Summary

Energy Safety Canada (ESC) is pleased to present the following report on the delivery of 2022 activities in British Columbia (BC). ESC's office in Fort St. John serves the energy industry in BC and Northern Alberta, providing the region with safety resources and training.

Energy Safety Canada BC (ESC BC) had several initiatives in 2022, including increasing awareness and knowledge around exposure and ergonomic hazards. ESC BC continued its support of regional industry employers through 29 employer consultations to help companies improve their safety performance; providing training and workshops; Certificate of Recognition (COR) information and services; and additional safety resources and best practices.

ESC BC hosted several events on key industry issues including transportation of dangerous goods (TDG) awareness, wildfire preparedness and management, Human and Organizational Performance (HOP), and a BC regulatory update.

The ESC BC office is focused on strengthening relationships with key industry stakeholders, government, and the health and safety community. In 2022, BC staff met with regulators to stay up to date on legislative changes and issues, participated in key industry meetings, and provided numerous presentations to industry groups.

ESC BC will expand its industry awareness campaign in 2023 by addressing health and safety in the areas of noise induced hearing loss and musculoskeletal injuries (MSI) and continue with its successful employer consultation program. These and other planned activities will ensure continuous improvement of safety in the Canadian energy industry.

2.0 Results of the 2022 Health and Safety Association Workplan

2.1 INDUSTRY SUPPORT SERVICE

ESC BC offers one-on-one consultations to help energy sector employers identify potential areas for improvement and provide education on solutions. Support includes online meetings, telephone consultations, data reports, and presentations on relevant safety topics.

ESC BC identified 29 employers in 2022 that would benefit the most from support. ESC BC met with them virtually. Employers were selected through several metrics: analysis of historical injury data statistics, prior interaction with ESC, and level of activity in the region. The meetings resulted in increased awareness of resources and services offered by ESC and established or strengthened working relationships with those employers.

2.2 EXPOSURE HAZARDS AWARENESS CAMPAIGN

A major hazard in the energy industry is worker exposure to chemicals and substances. This initiative provided several opportunities for employers to obtain more information to meet their legislated responsibilities by offering:

- A presentation on hazard identification, risk assessment, and control
- A workshop which involved working through various scenarios involving exposure hazards
- A fire-side chat style session that allowed for questions and answers with a hygienist and a WorkSafeBC hygiene officer
- Opportunities to book a 1:1 meeting with a hygienist to review exposure control plans

2.3 INCREASING COMMUNITY PRESENCE AND COLLABORATION

ESC BC reached out to regional employment offices this year to strengthen existing relationships and share information and resources with existing and potential workers in the energy industry.

The goal of this initiative was to ensure that key stakeholders in BC and beyond are aware of who ESC is, what the organization does, and the suite of products and services available. The goal of increasing ESC BC's visibility is to increase collaboration on training initiatives for the current and future workforce and increase awareness of the hazards in the industry and the resources ESC offers to address them.

ESC BC conducted numerous presentations to high school students in career prep, talking to them about the three basic worker rights and the higher rate of injury amongst young individuals, and provided demonstrations of how to wear hearing protection.

Strengthening ties with First Nations organizations in the region was also a key part of this initiative. This included cultural awareness training, attending an industry/First Nations conference, and meeting with relevant organizations in the region.

2.4 MUSCULOSKELETAL (MSI) AWARENESS AND EDUCATION INITIATIVE

Claims related to MSIs have been steadily climbing in BC, according to WorkSafeBC injury data. The focus of this initiative was to share MSI injury data to emphasize the importance of assessing ergonomic hazards in a workplace, using industry-specific examples to illustrate where hazards typically occur.

Two workshops were offered that were facilitated by a kinesiologist who used images of typical energy industry activities to help employers recognize hazards in their own operations. Employers were provided with an overview of resources from WorkSafeBC and other organizations, and a customized symptom survey to distribute to their employees. After information related to pain and discomfort experienced during work activities was collected from their workers, the results were summarized and shared with each employer, providing them a useful tool for addressing ergonomic risks within their organization.

3.0 Organizational Capacity Activities

This section follows the required reporting elements outlined in ESC BC's approved HSA 2022 Initiatives Workplan.

3.1 IDENTIFY TRENDS AND OPPORTUNITIES

ESC BC used historical provincial injury data to identify employers to be included in its employer consultation program in 2022.

In support of our MSI and exposure hazards initiatives, our Data and Analytics department generated reports and charts for participants to help illustrate the impact that those types of injuries had in overall injury rates for our industry.

The annual regulator update presented by WorkSafeBC provided insight into progress on the Oil and Gas Initiative as well as the priorities for WorkSafeBC, which will help guide the implementation of 2023 initiatives.

3.2 ESC BC ADVISORY COMMITTEE

The Advisory Committee is comprised of representatives from industry trade associations and individual BC employers. It meets quarterly to review injury statistics, provide insight and support for the HSA workplan and budget, and to share updates from industry associations and BC employers.

3.3 ENHANCE TRAINING FOR BC EMPLOYERS

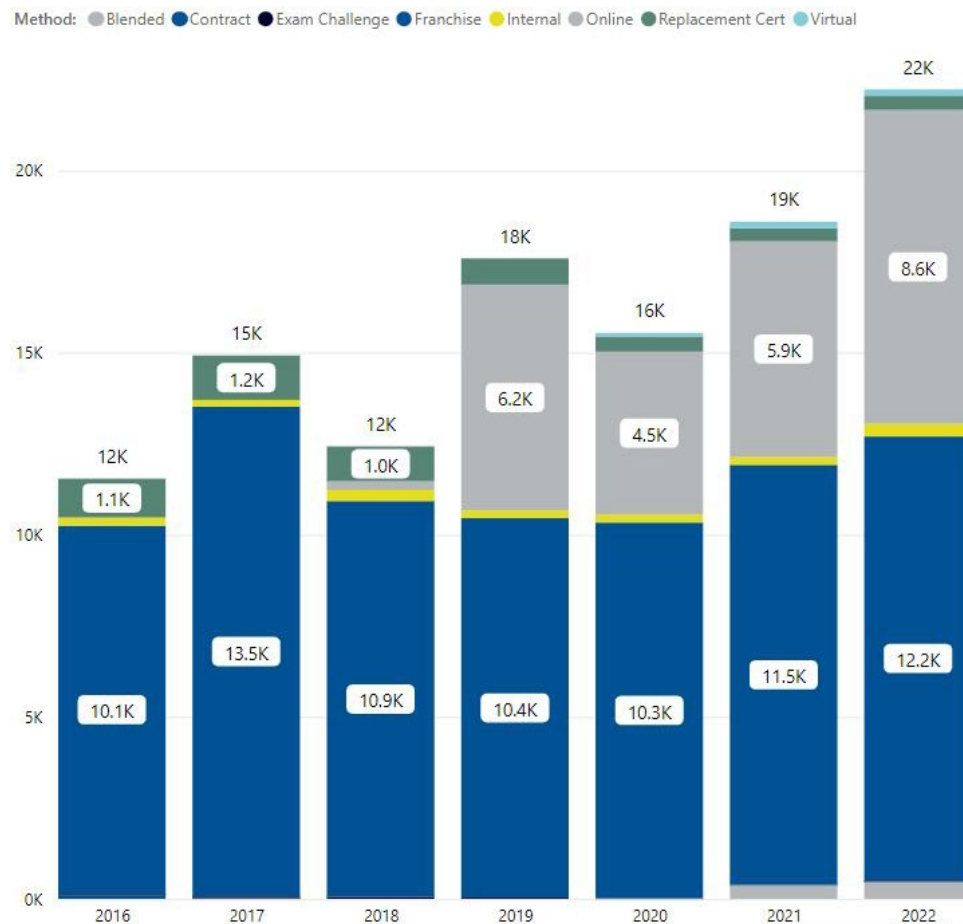
3.3.1 SUPPORTING ESC TRAINING PARTNERS

ESC BC conducted outreach visits with seven ESC Authorized Training Providers (ATPs) in northeast BC and northern Alberta. These meetings promoted greater consistency in training delivery, early identification of opportunities for improvement, and increased adoption of ESC’s standards. There were also discussions around potential opportunities for expanding course offerings and sourcing additional instructors to meet demand.

3.3.2 DELIVERY OF TRAINING COURSES

Energy workers provide an essential service to the industry, and it is critical they receive the training needed to work safely. During 2022, the BC office offered courses such as Incident and Accident Investigation; Hazard Management; Certified Health and Safety Auditor Program; and Safety Program Development. ESC continued to offer several instructor-led virtual courses and self-directed online courses to ensure improved worker access to safety training.

Figure 1: Enrolment Year-Over-Year at Energy Safety Canada BC (2016-2022)



H₂S Alive® continued to be the most in-demand course offered by ESC BC and its training partners, with more than 9,400 students completing the course in 2022. As of December 31, 2022, the top five courses in BC based on enrolment numbers were:

1. H₂S Alive
2. Common Safety Orientation (CSO) | Online
3. Fall Protection
4. Confined Space Entry and Monitor | Online
5. Mobile Elevating Work Platforms

3.3.3 TRAINING SUPPORT ACTIVITIES

ESC BC supports local stakeholders through the sale of training materials, access to a student computer lab for online courses and exams, providing replacement certificates, and having a classroom available to rent. In 2022, nearly 30 individuals used the student lab, and the classroom was rented twice by ATPs for delivery of industry training courses.

3.4 HEALTH AND SAFETY PRACTITIONER MEETINGS

ESC BC regularly hosts meetings on emerging safety issues in BC's energy sector for those in health and safety roles.

These meetings include regulatory updates; information about new ESC tools, training and resources; and other subjects that are timely and relevant to industry employers.

In 2022, the following four Safety Practitioner meetings were held:

Get to Know the TDG Program | January 13, 2022

Presented by representatives from Transport Canada, this well-attended webinar had over 166 participants who learned about available tools and resources, the Transportation of Dangerous Goods (TDG) Safety Awareness kit, and compliance issues in the energy sector.

Wildfire Preparedness and Management | May 17, 2022

This webinar was delivered by members of the BC Oil and Gas Commission, BC Wildfire Service, and Emergency Management BC.

The 100 individuals enrolled in this webinar received an update on fire season outlooks and trends; legal responsibilities under the Wildfire Act; and how organizations can prepare for and mitigate wildfires, specifically near oil and gas infrastructure.

WorkSafeBC Pre-Drilling Information Session | December 1, 2022

This year's WorkSafeBC presentation was once again delivered in partnership with ESC. With 104 attendees, this webinar provided an update on injury statistics in the industry, an overview of incidents and compliance issues, and an update on the three-year Oil and Gas High Risk Initiative.

Human and Organizational Performance (HOP): What is It and Why Should You Care? | December 6, 2022

Presented by ESC staff, this in-person workshop aimed to teach the 16 attendees about this emerging concept that is steadily gaining importance and recognition in the world of health and safety. The formal presentation was capped off by an informal group discussion that allowed participants to leave with actionable items to begin or further the implementation of HOP in their own organizations.

4.0 Outreach Activities

4.1 OUTREACH

The following outlines the outreach activities conducted by ESC BC in 2022:

Northeast BC Producer Round Table | This group met four times in 2022 and consists of key safety personnel from owner/operators in northeast BC. Discussion topics included fraudulent ticket issues, drugs and alcohol in the field, working alone programs, Northern Health expectations of industrial projects, and a discussion led by WorkSafeBC around confined space issues in industry.

Ryder Logistics Group Safety Conference Calls | These biweekly meetings provided an opportunity for ESC BC to increase its presence in and share safety information with employers in the transportation sector. Topics presented by ESC BC included 360 walkarounds, accountability, building capacity to manage pressure, and distracted driving.

Industry Events | As more opportunities opened for in-person events post-pandemic, ESC took part in numerous industry outreach activities, including:

- An in-person session on targeted intervention initiatives in northeast BC and Alberta
- A presentation at Crew Energy’s spring meeting on young workers and supervisor competency
- Booths at two job/industry fairs to highlight resources and the Careers in Energy virtual reality headsets that provide individuals with a look at life “on the job” in various sectors of industry

4.2 INFORMATION BULLETINS

ESC BC regularly issues bulletins as part of its ongoing communications with industry. Training bulletins provide information on upcoming courses being offered at the Fort St. John facility. Information update bulletins provide information on regulatory changes, workshops, and industry events. In 2022, 18 bulletins were issued to subscribers interested in BC-based training and informational updates. The BC distribution lists gained 145 new subscribers in 2022, for a total of 2,488 subscribers.

5.0 Corporate Highlights

One of ESC’s goals is to develop the skills, resources, network and thought leadership to be seen as an authority in workplace safety improvement. To achieve this, ESC:

- Widely shared thought leadership insights to influence and change views and bring industry along to a new and more effective way of thinking
- Partnered and consulted with international subject matter experts to understand best practices in safety globally
- Was invited to showcase its leadership and expertise and lead the conversation on various health and safety topics including HOP, competency and standardization
- Published three articles in industry publications: “Change your view on the danger of pressure”; “Moving away from zero: busting the no-harm myth in the workplace”; and “As monkeypox spreads, should employers be concerned?”

In 2022, the organization offered 10 instructor-led virtual courses, 18 self-directed online courses, and 28 classroom courses across Canada. Of note, enrolment for online courses increased by 80% year over year, primarily because of the addition of new online courses for 2022.

ESC continued to use data trends, incidents and industry feedback to develop safety tools and resources. In 2022, these included:

- 11 Safety Alerts and Bulletins
- 3 Industry Recommended Practices (IRPs) through the Drilling and Completions Committee (DACC)
- 32 webinars that were attended by over 570 individuals
- 11 new videos with a total of 8,096 views
- 1,211 views from our library of on-demand webinars

ESC has established six communities of practice (CoP) to keep up with new trends affecting the energy industry and provide space for participants to share ideas relevant to their specific areas of interest. These included:

1. Canadian Chapter of DROPS
2. Human and Organizational Performance (HOP)
3. Life Saving Rules/Potentially Serious Incidents (LSR/PSI)
4. Pipeline
5. Process Safety
6. Regional

After two years of COVID-19 restrictions, ESC was pleased to host the annual Petroleum Safety Conference (PSC) once again in Banff, Alberta from May 2 to 4. The conference saw more than 613 delegates, 63 trade show exhibitors and eight sponsors. In a post-event survey, attendees gave an overall rating of 4.2 out of 5 and 89% said they learned something they would immediately apply to their work.

Confidence is building for a more buoyant energy industry and Canada is seeing growth in emerging sectors. But industry continues to face challenges. It is known historically that when activity ramps up quickly, injuries increase too. With skilled workers in high demand but in short supply, workers will continue to be retrained to take on additional responsibilities and new positions. Now, more than ever, ESC must continue to encourage new ways to progress safety in Canadian energy to protect workers and support a stronger and safer industry.

6.0 Priorities for 2023

6.1 BC PRIORITIES

In the coming year, ESC BC will work to deliver the objectives detailed in its 2023 workplan. These include:

- One-on-one consultations with companies in need of support within the five funding classification units (CUs)
- Exploring opportunities to bring additional CUs into the ESC funding umbrella
- Noise induced hearing loss awareness campaign
- Development and delivery of a “Welcome to Your Health and Safety Association” package to employers new to funding CUs
- An MSI awareness and education initiative
- Delivery of four safety practitioner meetings (virtual and/or in-person) to increase awareness and knowledge of industry hazards and controls

6.2 CORPORATE PRIORITIES

Five years ago, ESC unveiled an ambitious strategic plan for the organization – the Strategy Articulation Map (SAM). That plan has served as a roadmap and a call to action since 2018. The core pillars in the SAM have not only guided ESC’s work to-date, but they have also provided a steadfast foundation as the organization navigated unprecedented challenges stemming firstly from a downturn in industry activity and then COVID-19.

In 2023, ESC will introduce an updated SAM for the next five years (see **Appendix A**) that will see continued strategic focus on:

- Demonstrating thought leadership and acting as a change agent to improve workplace safety
- Cultivating a global network and maintaining a common body of knowledge to showcase ESC as a Safety Centre of Excellence
- Assessing the use and impact of ESC industry standards
- Developing a nationally recognized and harmonized COR program
- Strengthening ESC’s brand and reputation through increasing an industry-wide presence and worker focus

The National Safety Association for Canada's Energy Industry

**ENERGY
SAFETY
CANADA**

Vision

Energy Safety Canada is a globally respected and trusted health and safety authority with deep expertise to improve workplace safety.





Mission

Energy Safety Canada mobilizes industry to drive safe work performance through education, resources, and engagement.

Behaviours

Energy Safety Canada fosters an inclusive environment, is responsive to change and uses a collaborative, disciplined and proactive approach to support workers and industry.

Strategic Objectives

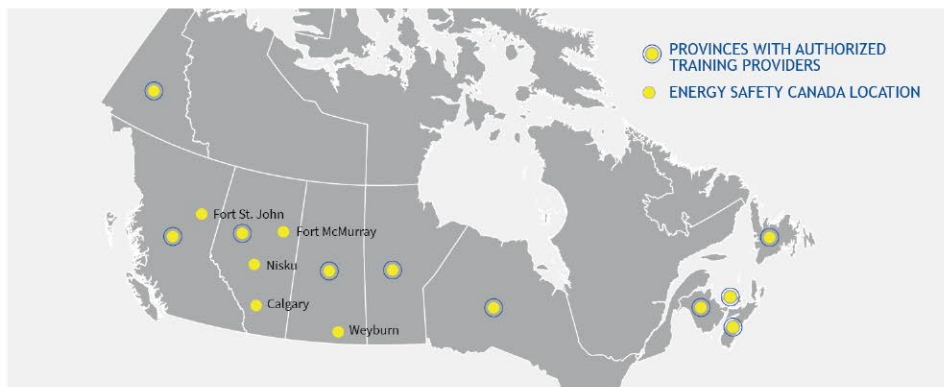
 Safety Centre of Excellence	 Support Workers to Work Safely	 Support Employers to Improve Safety Performance	 Communications & Engagement
<ul style="list-style-type: none"> Thought leadership and change agent to improve workplace safety The go-to source for safety expertise with the necessary skills, resources, and network Maintain a common body of knowledge on matters of personal safety, process safety and worker well-being Support and promote research on emerging models that drive improved safety outcomes Collect, analyze and synthesize industry incidents and data to identify trends, derive meaning and guide interventions Cultivate a global network of partner organizations and industry experts to deepen impact and alignment Facilitate collaboration across industry amongst owner/operators, service providers, regulators, trades and labour 	<ul style="list-style-type: none"> Fit-for-purpose training, resources and tools that are easy to access and adopt Enable worker mobility across sites through standardized training and verifiable digital credentials 	<ul style="list-style-type: none"> Identify opportunities for standardization to reduce complexity and increase efficiencies Reliable and easy-to-use system for worker identification and credential verification for ESC students Drive safety management capability by developing and sharing resources, programs and tools Facilitate safety management system assessments through a national Certificate of Recognition program Targeted direct support to companies to identify system gaps and opportunities to improve safety performance Facilitate focused Communities of Practice to engage, share learnings and exchange best practices Support companies to attract and retain a skilled and productive workforce through research and resources that increase awareness and understanding of the energy industry and its career opportunities 	<ul style="list-style-type: none"> Ongoing, regular communication with stakeholders to support a positive and recognized brand for ESC and industry Engage in marketing and public relations activities with industry-wide presence and worker focus Host conferences and events to facilitate knowledge transfer and enable global networking Support regulatory change to promote standardization and improved workplace safety performance

SAFETY DOESN'T CLOCK IN AND IT DOESN'T PUNCH OUT. IT'S 24/7.

ENERGY SAFETY CANADA'S SERVICES:

- Virtual training
- Data reports
- Safety services
- Certificate of Recognition
- Company consultations

LOCATED WHERE YOU ARE:



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