



**LEDUC #1**



**LEDUC  
COUNTY**

**2024 Annual Report**  
**Leduc County Emergency Management**  
**Agency report to Emergency Advisory Council**

Created: January 22, 2024  
Prepared by: Ivana Irwin, DDEM

# Introduction

This report is submitted to Emergency Advisory Committee in accordance with the requirements outlined in Canadian Emergency Management legislation and the Alberta Emergency Management Act. It provides an overview of the activities and accomplishments of the Leduc County Emergency Management Agency in 2024, following the completion of action items identified in the 2023 Annual Report. These efforts align with our mandate to enhance the safety, resilience, and preparedness of Leduc County and its stakeholders.

In 2024, the Agency prioritized collaboration, training, and strategic improvements to support emergency response and recovery capabilities. This report outlines key activities undertaken throughout the year, highlighting major achievements and ongoing initiatives to strengthen our readiness for a range of hazards and emergencies.

A central focus of the Agency's work is addressing hazards identified in the Hazard Risk Vulnerability Assessment (HRVA), ensuring robust preparedness and response mechanisms are in place. The Edmonton International Airport (EIA), a critical transportation hub, remains one of the priority hazards identified in the HRVA due to its complexity and importance to the region. The activities outlined in this report highlight the Agency's ongoing commitment to mitigating risks, fostering partnerships, and enhancing community resilience (Public Safety Canada, 2022).

## 2024 Activities Summary

### ***January 2024:***

Leduc County EM and Fire Services participated in an Annual Stakeholder Review with the Edmonton International Airport (EIA). This critical engagement led to updates to the EIA Emergency Response Plan (ERP), incorporating a new mutual aid agreement to define roles and responsibilities clearly. This effort underscores the importance of preparedness in managing the airport's designation as a key hazard in Leduc County's HRVA (Hazard Risk Vulnerability Assessment).

### ***February 2024:***

The annual activation practice for the Crisis Trauma Response Network was conducted under the leadership of Leduc County's Emergency Social Services (ESS), in partnership with the RCMP and Black Gold School Division. This exercise emphasized the importance of timely and coordinated psychological support during crises, ensuring all participating agencies are well-prepared to address community needs during emergencies (AEMA, 2024).

### ***March 2024:***

Division Supervisor (Div Sup) training was held for all fire officers, a critical step in enhancing leadership and operational efficiency in wildfire response. The training addressed strategies for managing wildland-urban interface (WUI) zones, emphasizing incident command, safety protocols, and resource coordination. These efforts are vital for safeguarding communities and infrastructure from escalating wildfire threats.

Leduc County Emergency Management reviewed the Emergency Response Plan (ERP) for the Genesee Generation Station during an in-person session with its Emergency Management team. This review ensured alignment with municipal protocols and clarified roles to address the unique hazards of this major power generation facility.

Leduc County Emergency Management and Fire Services also engaged Alberta Wildland Urban Interface (AB WUI) representatives to prepare for wildfire season. This collaboration enabled the review of wildfire mitigation strategies and proactive measures such as community education and fuel management, reinforcing the County's commitment to reducing wildfire risks.

#### ***April 2024:***

A Livestock Response Plan focus group with large producers was held to ensure their preparedness for the next wildfire season. The EM program then finalized plans for livestock response and pets response in the Municipal Emergency Plan (MEP), which were reviewed by the Leduc County EM Agency and the Alberta Emergency Management Agency. Additionally, the County EM program, organized the "Hoof, Paw, and Claw" community forum to address the unique challenges of non-commercial livestock owners and animal shelters during emergencies.

On April 10, 2024, administration met with Buck Mountain Co-op to ensure utility access to critical infrastructure during wildfires, addressing issues observed in other municipalities. This proactive engagement clarified processes for integrating utility companies into command post operations to maintain critical services.

#### ***May 2024:***

Administration finalized the Disaster Recovery Program (DRP) applications with homeowners affected by the 2023 wildfires, ensuring all financial and logistical support was provided to expedite recovery. Administration also conducted a detailed review of Bill 21 with Ian Friesen from the Government of Alberta, focusing on its implications for municipal emergency management practices and ensuring compliance with evolving legislative standards.

#### ***June 2024:***

Leduc County EM and Fire Services organized and then attended hydrogen safety training provided by Nikola, alongside representatives from Nisku industries, the EIA, and neighboring emergency response organizations. The training enhanced understanding of operational considerations for hydrogen fuel technology.

#### ***July 2024:***

Leduc County EM facilitated First Responder Hydrogen Fuel training for the new hydrogen fueller in Nisku, with participation from Transport Canada, regional fire departments, and industry stakeholders and participated in planning meetings for the Petrus Resources Full-Scale Exercise (FMX) and engaged with Brazeau County Emergency Management to discuss mutual aid agreements.

### **August 2024:**

Leduc County Fire Services and EM attended the Edmonton International Airport (EIA) Exercise Objective Setting Meeting and conducted a Functional Exercise (FX) in partnership with Petrus Pipeline, testing emergency protocols for pipeline incidents.

### **September 2024:**

Members of the Leduc County Fire Services participated in the EIA tabletop and full-scale crash exercises, simulating responses to major aviation incidents and refining interagency collaboration.

### **October 2024:**

An Emergency Social Services (ESS) tabletop exercise, testing registration center activation and coordination of resources for displaced residents was held. After Action Report was written and submitted for approvals.

### **November 2024:**

A two-day full-scale exercise with the North Central All-Hazards Incident Management Team (NC AHIMT), focusing on IT, safety, and ESS integration. Additional training sessions included on-site response training with TNPI Pipeline and CP Rail and CN Rail representatives.

### **December 2024:**

An Incident Action Plan (IAP) development workshop for fire officers was held. Delivered training to senior management on the Alberta Incident Management System (AIMS). AIMS training focused on clarifying the roles of Incident Command and Director of Emergency Management (DEM), enhancing leadership coordination through an interactive tabletop exercise. This session ensured that IMT leadership is prepared to respond effectively to emergencies with a clear understanding of their responsibilities.

## **Conclusion**

Leduc County's 2024 initiatives demonstrate a steadfast commitment to enhancing emergency preparedness, collaboration, and resilience. From updating response plans for critical infrastructure to fostering interagency coordination for wildfire mitigation and aviation safety, the County continues to meet the evolving challenges of emergency management. By focusing on stakeholder engagement, training, and strategic partnerships, Leduc County exemplifies best practices in addressing local hazards and safeguarding its community.

### **Plan for 2025:**

- ▶ Conduct an HRVA review
- ▶ Update of all Agency documents to meet AIMS and Bill 21 requirements

## References

- Alberta Emergency Management Agency. (2020). *Alberta Incident Management System (AIMS): A guide for incident management in Alberta*. Alberta Queen's Printer. Retrieved from <https://www.alberta.ca>
- Alberta Emergency Management Agency. (2024). *Emergency management framework*. Alberta Queen's Printer.
- Alberta Forestry, Parks, and Tourism. (2023). *Wildland-urban interface mitigation strategies*. Alberta Queen's Printer.
- Alberta Queen's Printer. (2023). *Alberta Emergency Management Act*. Retrieved from <https://www.qp.alberta.ca>
- Alberta Wildfire. (2024). *Preparing for wildfire season: Best practices for municipalities*. Alberta Forestry.
- Government of Alberta. (2024). *Bill 21: Emergency Statutes Amendment Act, 2024*. Alberta Queen's Printer. Retrieved from <https://www.qp.alberta.ca>
- Public Safety Canada. (2022). *Emergency management strategy for Canada: Toward a resilient 2030*. Government of Canada.





101-1101 5 St., Nisku, AB T9E 2X3

**phone:** 780-955-3555 **fax:** 780-955-3444

**[leduc-county.com](http://leduc-county.com) | [leduccountybusiness.com](http://leduccountybusiness.com) | [yoursayleduccounty.com](http://yoursayleduccounty.com)**