Emergency Response

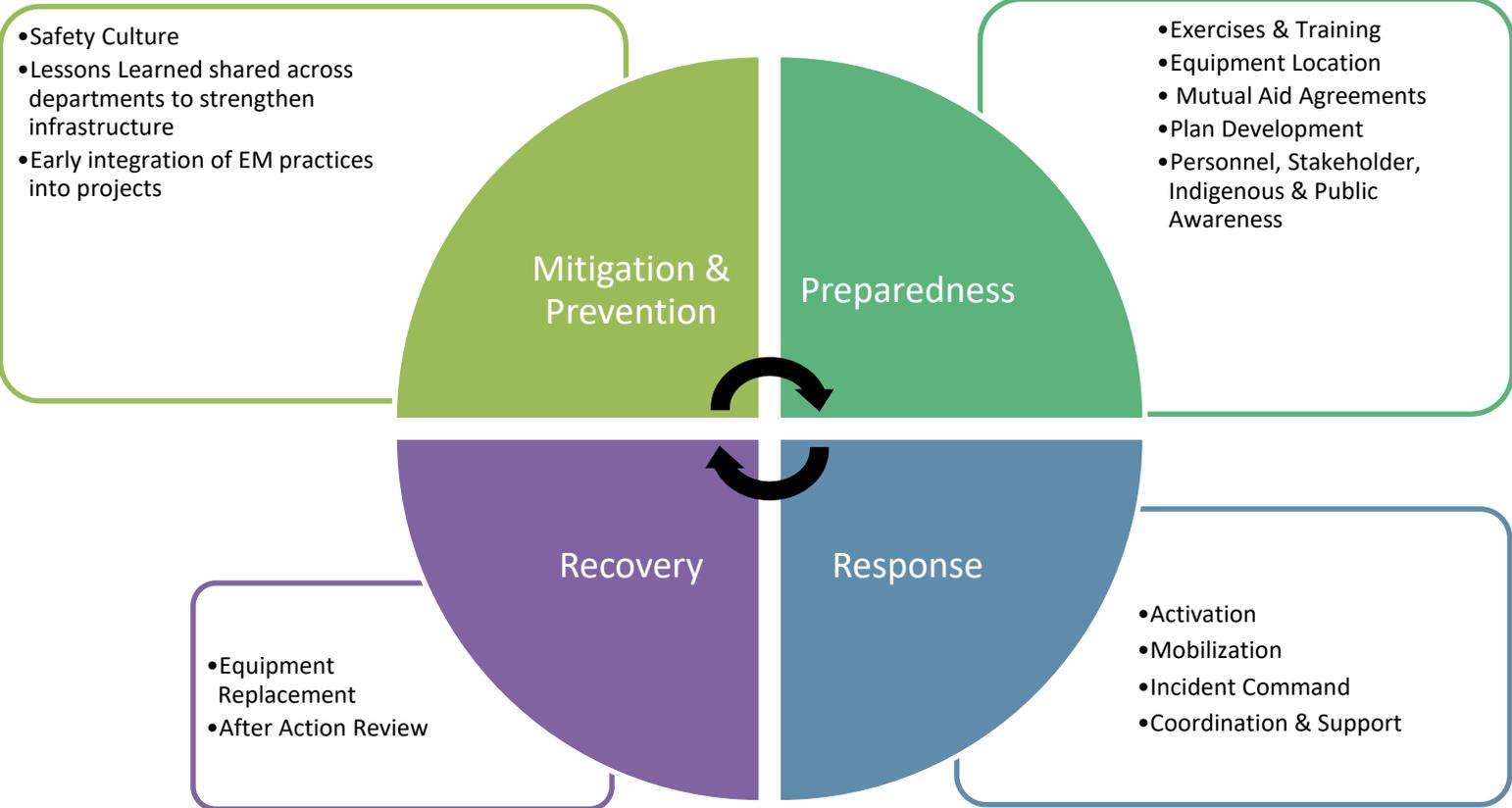**IAMC Presentation on Emergency Management**
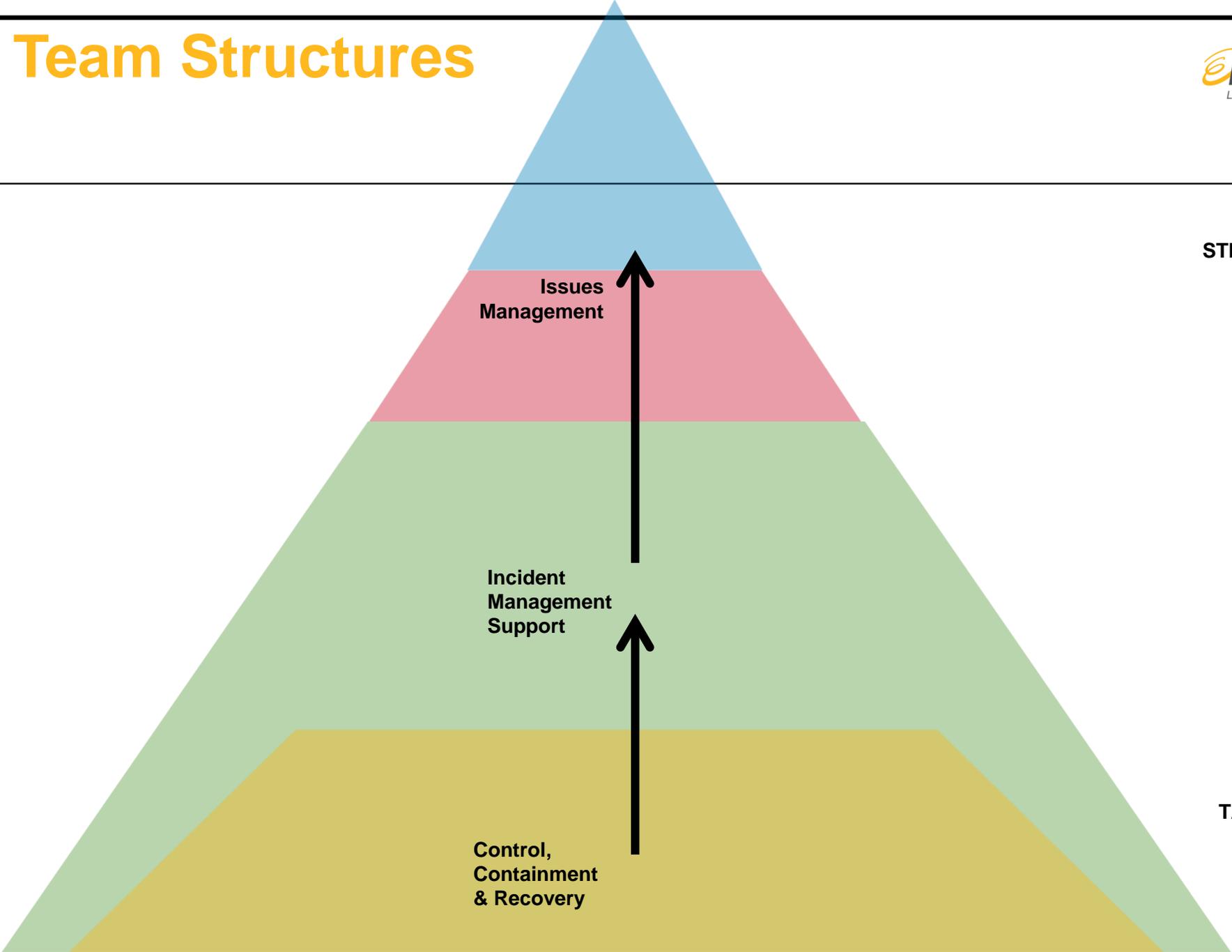
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Stephen Lloyd, Manager Emergency Management

Agenda

- Overview
- Planning
- Training
- Exercise Program
- ER Equipment
- Capabilities
- Response

Emergency Management Overview

Mitigation & Prevention
- Safety Culture
- Lessons Learned shared across departments to strengthen infrastructure
- Early integration of EM practices into projects

Preparedness
- Exercises & Training
- Equipment Location
- Mutual Aid Agreements
- Plan Development
- Personnel, Stakeholder, Indigenous & Public Awareness

Recovery
- Equipment Replacement
- After Action Review

Response
- Activation
- Mobilization
- Incident Command
- Coordination & Support
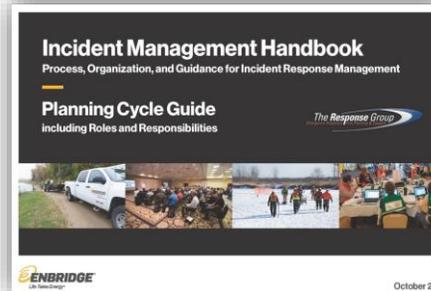
Response Team Structures

Regional Overview Map
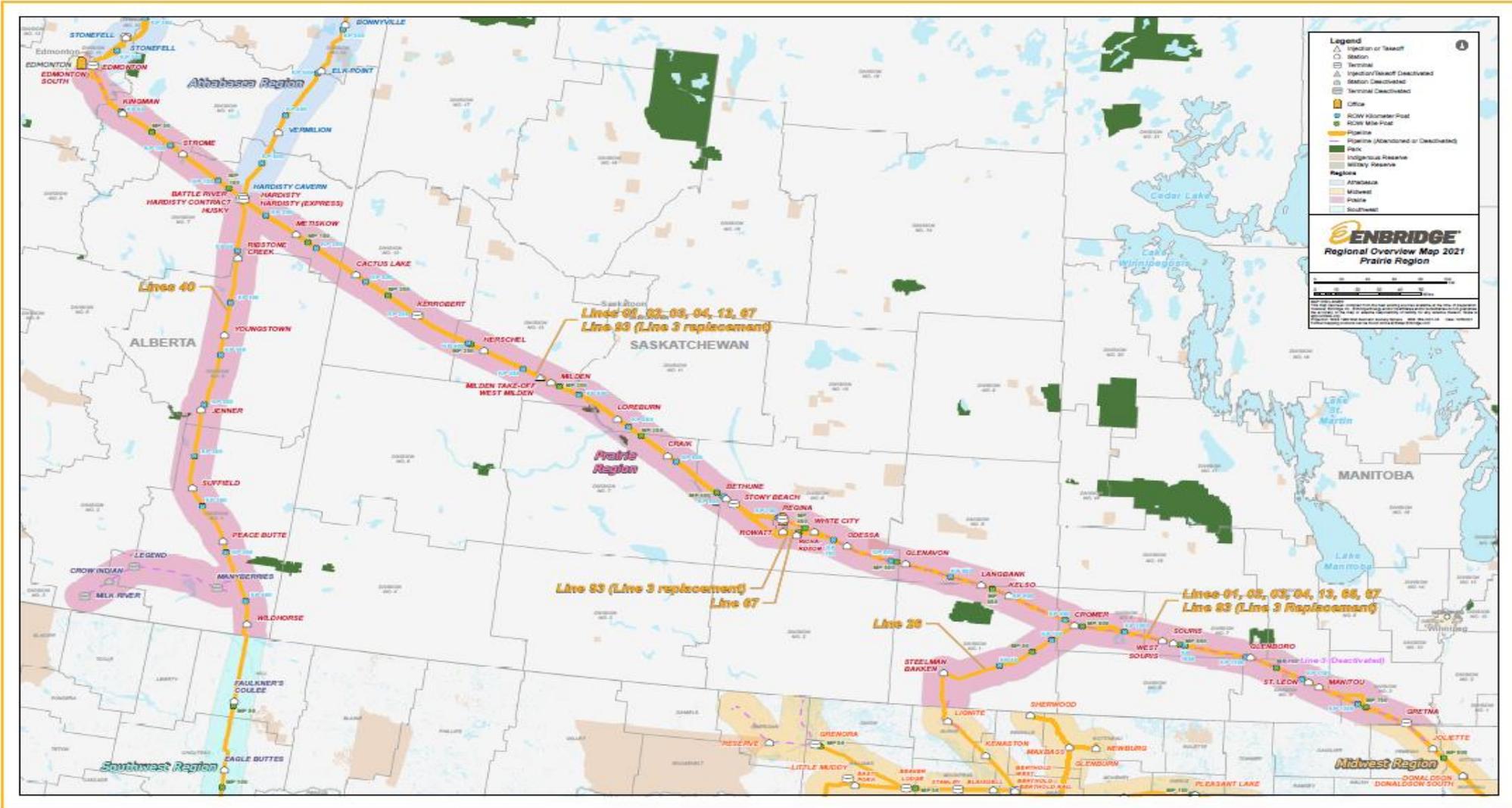
Response Plan Coverage

Integrated Contingency Plan

- Guides Corporate and Regional Response process / Annexes specific to region

- Includes condensed Field Emergency Response Plan for Responders

Additional Guides

- Inland Spill Response Tactics Guide

- Control Point Mapping

- Incident Management Handbook
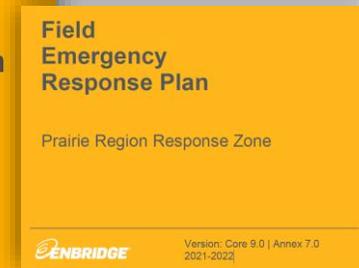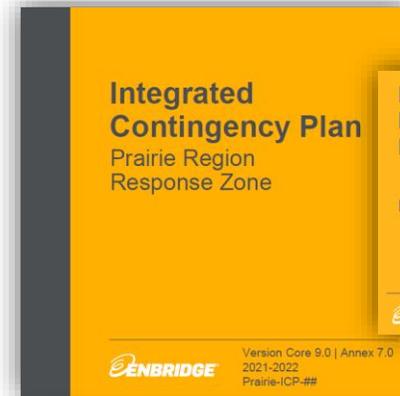
ER Training

- Incident Command System (ICS) Awareness:
  - Integrated Contingency Plan/ER Plan
  - ICS organizations, roles
- Boat Operator
- Boom/Skimmer operations
  - Booming strategies/tactics
- ER Responder Awareness:
  - Defining a reportable emergency/how to report
  - Hazard ID
- ICS training (100-300, role-specific)

Enbridge Exercise Program
Exercise types

- Internal Notification Exercises (annually)

- Discussion-based Tabletop Exercise (annually)

- Unannounced Exercise (annually)

- Equipment Deployment Exercise (annually)

- Combined Command Post & Equipment
   Deployment Exercise (every 3 years)

- Security Exercise (annually)

- Environment Canada-required exercise (annually)

Prairie Region 2021 Exercise Details
AB, SK, MB

- Internal Enbridge Notification Exercises: 4

- Equipment Deployment Exercises: 10

- Environment Canada-required exercise: 1

- Discussion-based Tabletop Exercise: 5

- Command Post Exercise: 2

- Security Exercises:4

Emergency Response Equipment Overview

- Each location has a cache of Emergency Response Equipment **dedicated** to response operations.

- Each asset has smaller equipment associated with it as well as equipment that is used for daily operations that may be utilized in a response; UTV/ATVs, dozers, excavators, etc.

Response Time Map

Emergency Response Equipment
Boom Vane

Emergency Response Equipment
Skimmers

Emergency Response Equipment

Ice Slotting trailers

Incident Command System

Incident Command System

- ICS Advisor
- Incident Commander
- Legal Advisor
- Safety Officer
- Intelligence Advisor
- Public Information Officer
- Deputy Incident Commander
- Liaison Officer

Operations Section Chief
- Air Operations Branch
- Wildlife Branch
- Support Services Branch
- Staging Area Manager
- Recovery & Protection Branch

This is an example ICS Organization Chart that is scalable to the incident.

Planning Section Chief
- Situation Unit Leader
- Resource Unit Leader
- Documentation Unit Leader
- Demobilization Unit Leader
- Environmental Unit Leader
- Technical Specialist
- Historian

Logistics Section Chief
- Service Branch Director
  - Communications Unit Leader
  - Food Unit Leader
- Support Branch Director
  - Supply Unit Leader
  - Facilities Unit Leader
  - Security Manager
  - Ground Support Unit Leader
  - Vessel Support Unit Leader
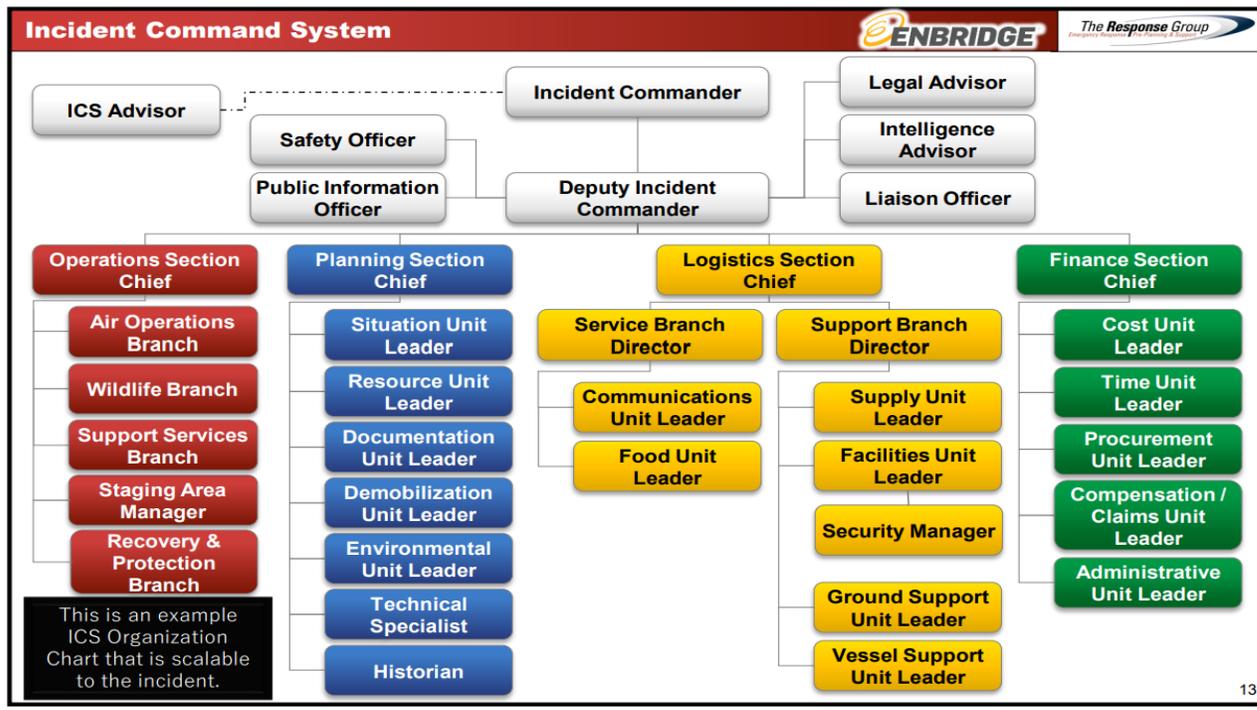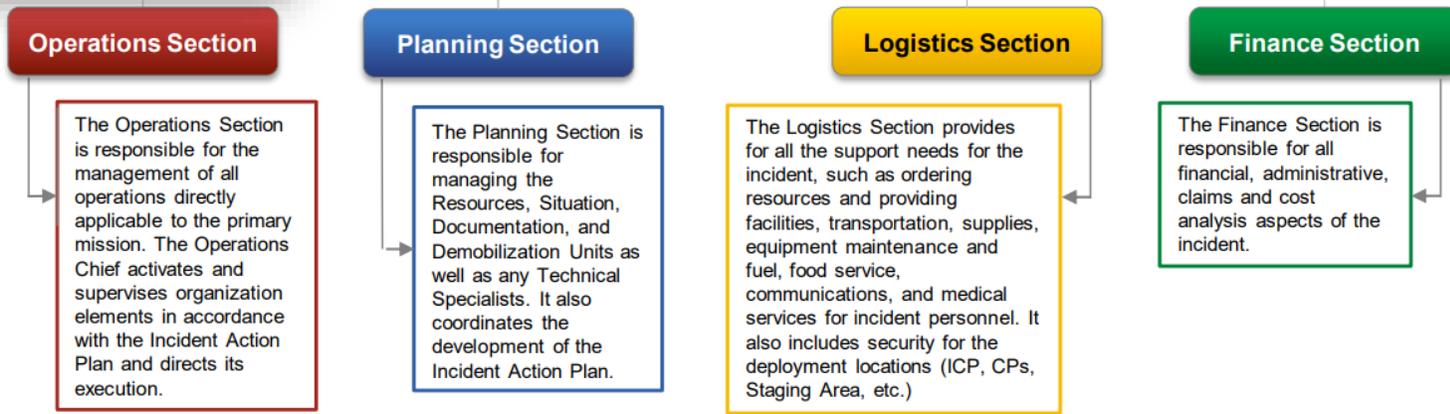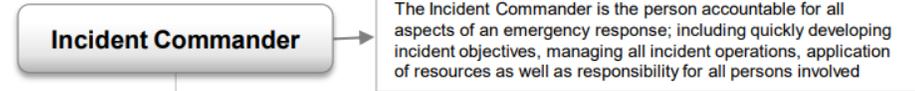
Finance Section Chief
- Cost Unit Leader
- Time Unit Leader
- Procurement Unit Leader
- Compensation / Claims Unit Leader
- Administrative Unit Leader

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Functional Roles & Responsibilities

Incident Commander → The Incident Commander is the person accountable for all aspects of an emergency response; including quickly developing incident objectives, managing all incident operations, application of resources as well as responsibility for all persons involved

Operations Section
The Operations Section is responsible for the management of all operations directly applicable to the primary mission. The Operations Chief activates and supervises organization elements in accordance with the Incident Action Plan and directs its execution.

Planning Section
The Planning Section is responsible for managing the Resources, Situation, Documentation, and Demobilization Units as well as any Technical Specialists. It also coordinates the development of the Incident Action Plan.

Logistics Section
The Logistics Section provides for all the support needs for the incident, such as ordering resources and providing facilities, transportation, supplies, equipment maintenance and fuel, food service, communications, and medical services for incident personnel. It also includes security for the deployment locations (ICP, CPs, Staging Area, etc.)

Finance Section
The Finance Section is responsible for all financial, administrative, claims and cost analysis aspects of the incident.

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Incident Command System
"Unified Command"

Unified Command Section Organization

Unified Command

| National/Federal On-Scene Coordinator | Responsible Party Incident Commander |
| State/Provincial On-Scene Coordinator | Tribal/Indigenous On-Scene Coordinator | City/Local On-Scene Coordinator |

ICS Advisor

Deputy Incident Commander

Unified Command Overview

Description of the Unified Command (UC)

The UC is a structure that brings together the "ICs" of all major organizations that have jurisdictional authority for the incident to coordinate an effective response while carrying out their own organization's jurisdictional responsibilities. A UC links responding organizations to the incident and provides them a forum to make decisions together. Under a UC, organizations should blend together throughout the ICS organization to create an integrated response team. The UC is responsible for overall management of an incident. The UC directs incident activities including the development and implementation of incident objectives, strategies, and approves ordering and releasing of resources.

Why Establish a Unified Command (UC)?

Cross state/province boundaries (e.g., two states, provincial or international boundaries).

Involve various governmental levels (e.g., federal, state, indigenous, and local).

Involve a facility (e.g., Responsible Party (RP) for a pollution threat).

Involve a private industry.

Impact multiple functional responsibilities (e.g., search and rescue (SAR), fire, oil spill, and emergency medical services (EMS)).

Unified Command (UC) Composition

Must have jurisdictional authority or functional responsibility under a law or ordinance for the incident.

Must have incident or response operations impact on the organization's area of responsibility (AOR).

Must be specifically charged by law or ordinance with commanding, coordinating, or managing a major aspect of the incident response.

Should have full organization authority to make decisions and execute all of the tasks assigned to the IC on behalf of their organization.

Should have the resources to support participation in the response organization.

In order to keep the UC limited in size, and therefore efficient, it is recommended that one federal agency be the lead agency to coordinate activities and actions among the various federal agencies involved; this concept applies to State, Provincial, Indigenous Communities/Tribes, Indigenous People representation on the UC as well.
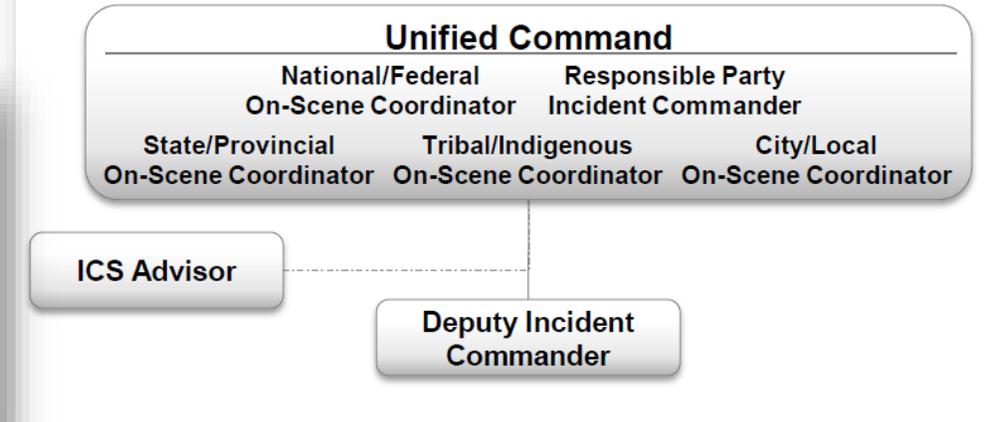
How Enbridge Responds
Concurrent Activities

ENBRIDGE
Life Takes Energy™

Incident Observation
- The public; or
- Enbridge Employee; or
- Local First Responder; or
- Control Centre

Region Contacted
- Control Centre contacts regional 24/7 contact;
- Local first responders called

Response
- Regional on-call deploys Enbridge first responder;
- External agencies notified concurrently;
- Enbridge senior leadership notified;
- Incident Command System activated

Strategic Support
- Enbridge executive leadership notified

Questions

Stephen Lloyd, Manager, Emergency Management

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