

# Alberta Emergency Management Agency Performance Based Logistics

## Ready at a Moment's Notice

The Logistics of the Military and Emergency Preparedness  
The Van Horne Institute

October 11, 2012

# Outline

- Overview of the Alberta Emergency Management Agency and public safety governance
- Resource management
- Performance Based Logistics in emergency management
- Performance Measurement in emergency management
- Discussion

# The Alberta Emergency Management Agency

## **Mission:**

Together with our partners and through a coordinated, all hazards approach, we will provide strong leadership to Alberta's Public Safety System to protect Albertans from the effects of disasters and emergencies

# What is Public Safety?

- Public safety is the prevention and mitigation of, preparedness for, response to, and recovery from man-made or natural hazards that could cause significant injury or harm to Albertans, their property, the environment and the economy
- Public safety addresses those hazards that disrupt routine community functioning and require a rapid and coordinated provincial response
- Addresses all-hazards
- Public safety is a shared responsibility amongst partners

# Public Safety Governance

**Organizational Roles:** Responsibility assigned in legislation, regulations, policies and hazard plans

- **Lead Organization** – identified as lead for a specific hazard
- **Supporting Organization** – assists in the management of a hazard
- **Coordinating organization** – coordinates the efforts and logistics of all orders of government and public safety partners

# Manage / Coordinate

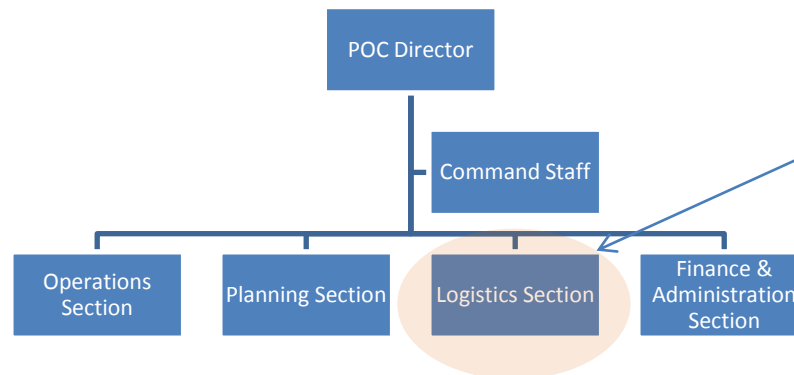
Our management of emergencies and disasters has two elements:

## A PROCESS

- Public Safety Governance
- Incident Command System

## A FACILITY

- Provincial Operations Centre



Service Alberta

Government  
Ministries

Communities

Non-government  
Organizations  
Council

AEMA

Federal, Provincial,  
Territorial Partners

Agencies,  
Boards and  
Associations

# Incident Command System Resource Management Practices

**Safety**: Resource actions at all levels of the organization must be conducted in a safe manner.

**Personnel Accountability**: All resources will be fully accounted for at all times.

**Managerial Control**: Performance and adequacy of the current Incident Action Plan must be assessed and adjusted continually. Direction is always through the chain of command.

**Adequate Reserves**: Adequate reserves must be maintained to meet anticipated demands.

**Cost**: Objectives must be achieved through cost-effective strategy selection, and selection of the right kind, type, and quantity of resources.



# Performance Based Logistics

## **Goals:**

- increased efficiency
- increased effectiveness
- increased accountability
- increased reliability
- reduced costs

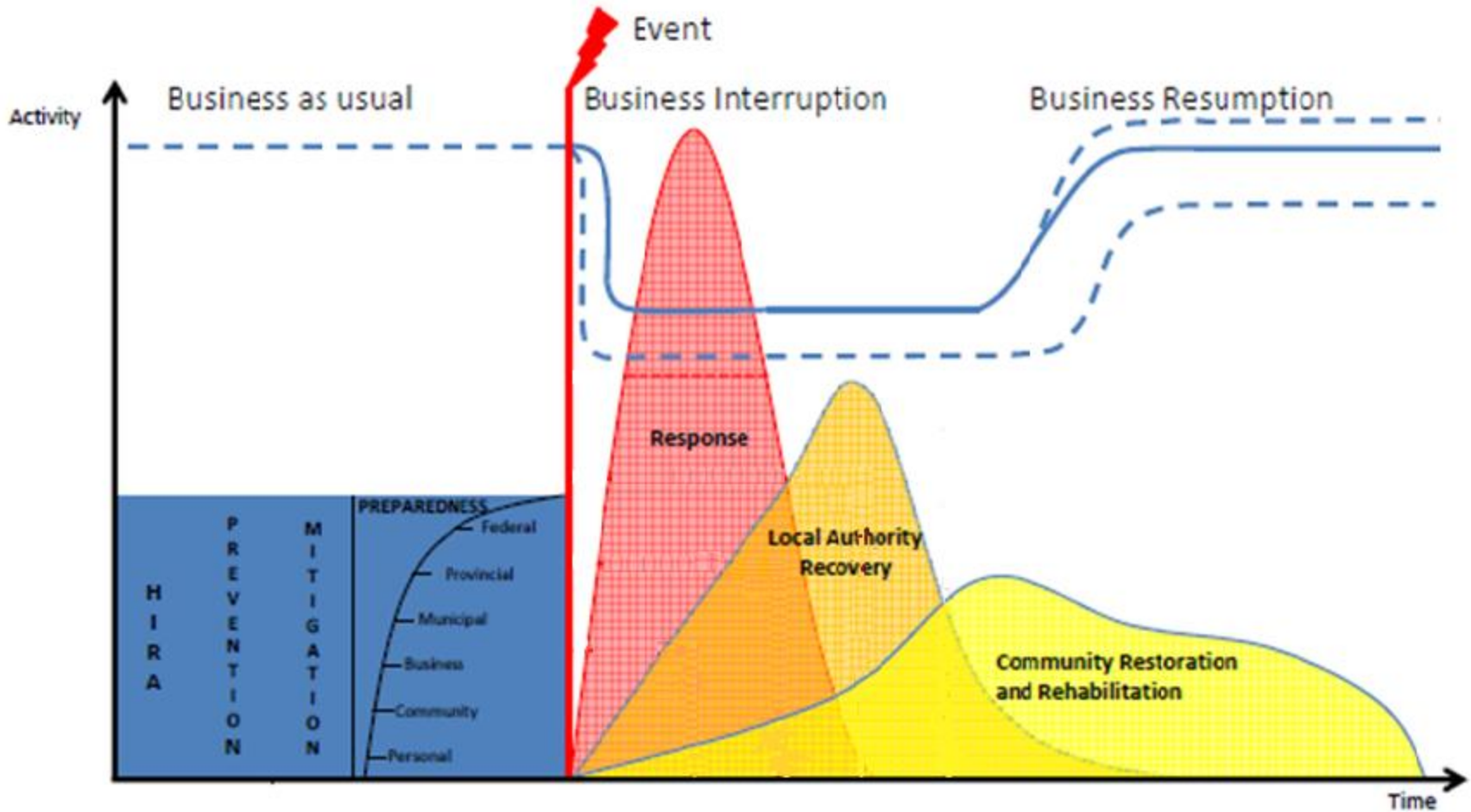
# Performance Based Logistics

**Historical approach** – each community stockpiles all resources required, e.g. sandbags

## **PBL Approach:**

- Categorization of resources:
  - **Kind** - What the resource is e.g. Firefighter or Planning Section Chief, Helicopter or bulldozers).
  - **Type**: Describes the size, capability, qualifications of a specific kind of resource.
- Communities stock limited resources and equipment
- Mutual Aid agreements: region, provincial, inter-provincial and federal

# Emergency Management Planning Model



# Performance Based Logistics

## Preparing for a Flood Event

**Communities** plan and stock limited resources

**Regions** establish mutual aid agreements to support each other and share resources

**Province** plans / Logistics Section (Service Alberta) of Provincial Operations Centre:

- Warehouses limited provincial stock in vicinity of anticipated risk
- Virtual stockpile being developed
- Agreements with suppliers who stockpile resources in geographically dispersed caches

**Inter-provincial** mutual aid agreements

**Federal Government** support



# Performance Based Logistics

## Response to a Flood Event



**Communities** initiate plans and utilize own resources

**Regional** plans and mutual aid agreements initiated – local resources shared

**Provincial** plans initiated / Logistics Section (Service Alberta) of Provincial Operations Centre accesses:

- Department resources
- Provincial stocks and virtual stockpiles in proximity of communities

**Inter-provincial** mutual aid agreements initiated if required

**Federal Government** support requested if required

# Performance Based Logistics

## Recovery from an event

**Communities** responsible to plan and execute

**Region** limited input as time progresses

**Province** supports community recovery

- Financial
- Planning support and technical expertise

**Federal Government** provides financial support for uninsurable losses



Modular Unit Development Tasks	Normal Timelines	Interim Housing Project Timelines
Engineering plans	6-8 months	15 days
Site grading and services	3-4 months	35 days
Unit delivery and utility hookup	20-25 days per phase	10-15 days per phase
Stairs and skirting	10-15 days per phase	5-10 days per phase

# Performance Measurement

**Table 2 Indicators of Successful Recovery**

Indicator	Target
<b>PEOPLE</b>	
Population	Overall population in 2015 is consistent with the 2010 census data plus a growth based on historical and current local and provincial rate information.
<b>ENVIRONMENT</b>	
Environmental parameters	Soil, air, water and biodiversity monitoring show that there have been no long-term adverse impacts to the region due to the wildfire.
<b>RECONSTRUCTION</b>	
Rebuild	All destroyed or damaged structures have been rebuilt and growth rate for the community has been re-established.
<b>ECONOMY</b>	
Employment rate	Regional employment in 2015 is consistent with local historical reference and to provincial rates.

# Discussion

[www.aema.alberta.ca](http://www.aema.alberta.ca)

**Alberta Emergency Alert: Stop. Listen. Respond.**

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