

# Risk Reduction Through Community Partnerships

2014 AEMA / OFC Stakeholder Summit

*Alberta*   
*Alberta Emergency  
Management Agency*

# Presentation

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- Risk & Risk Reduction
- 2014-17 Strategic Business Plan
- Government Initiatives
  - Provincial Level
    - Provincial HIRA
    - Provincial Stockpile
    - Grant Programs
  - Municipality Level
    - Field Officers
    - CEMP Program
    - Training
  - Activity
    - Community Level Risk Assessment - HIRA





# Risk

- A situation involving exposure to danger
- Possibility of loss or injury



# Mitigation:

## To alleviate or lessen in severity

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# What Does Risk Look Like in the Province of Alberta?



## What Can We Do About It?



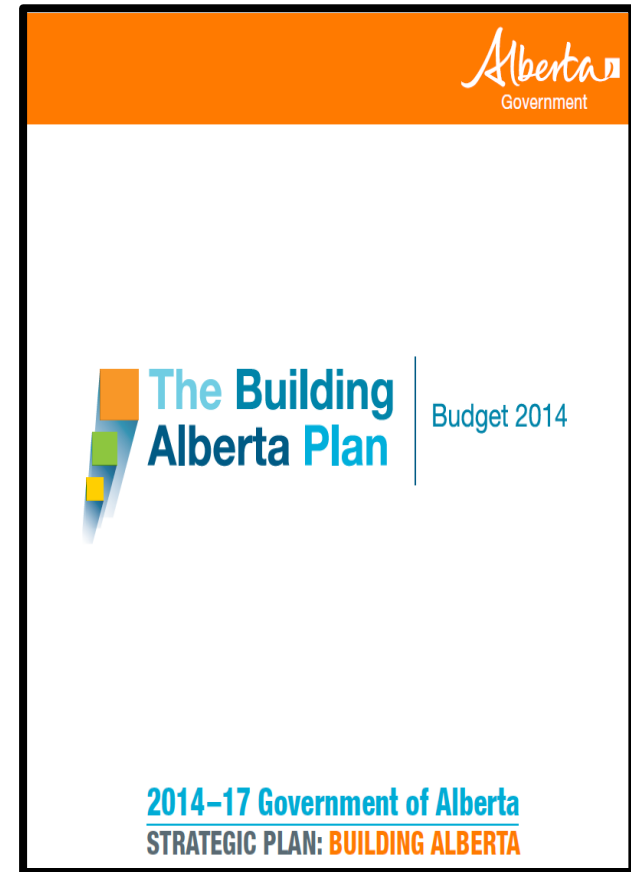




# Government of Alberta

## Public Safety and Resilient Communities

- continuously improving the current emergency management system
- having the capacity in place to actively anticipate, scan for, assess, communicate and mitigate disasters before they occur and support recovery after a disaster occurs



# Public Safety and Resilient Communities



## Efforts will be focused to ensure:

- Disaster mitigation, priority setting and decision-making are proactive, informed and integrated into community planning and management with clearly defined roles and responsibilities for governments, communities and response organizations.
- Alberta communities, families and individuals are more aware of the importance of emergency preparedness, are more resilient during disasters and recover faster.
- Response systems with the necessary capacity are in place that can be immediately activated in response to a disaster.
- Municipalities, stakeholders and government can smoothly transition into recovery after a disaster and are well prepared for longer-term recovery efforts when needed.
- Alberta remains a safe place to invest in.



# Public Safety and Resilient Communities

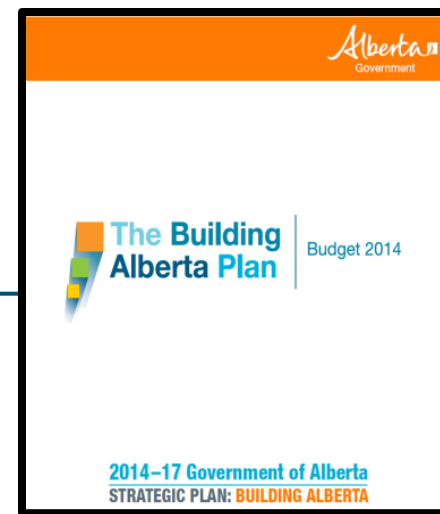
## To achieve success, government will:

- Enhance information gathering that supports risk identification and assessment.
- Work with non-governmental organizations and other stakeholders, including the private sector, to increase public engagement, education, and outreach activities focused on disaster mitigation.
- Provide guidance and support to communities to proactively develop local hazard identification and risk management frameworks that band communities together.
- Build stronger infrastructure that ensures Albertans' quality of life now, and in the future.
- Support investment attraction from national and international partners by building an internationally recognized system for responding, remediating and recovering from disaster.

# Public Safety and Resilient Communities

## Success will be measured by:

- Increased intelligence, hazard identification and prioritization for improved risk management.
- Strong communication systems during non-disaster periods as well as during and post-event.
- More staff (provincially and locally) that are trained and prepared.
- Seamless and timely transition after first response and decreased 'down time' for communities.
- Decreased costs associated with responding to, and recovering from, disasters.



# How do we achieve this?

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# Risk Reduction



**Eliminate**

Before Mitigation



After Mitigation



**Mitigate**

**Educate**



# Government of Alberta Initiatives

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# Mitigation Strategy

Phase	Goals and Objectives	Year 1	Year 2	Year 3	Year 4	Year 5
	<b>Goal 1: Develop and implement an effective comprehensive provincial hazard mitigation plan</b>					
1	Conduct a provincial all Hazard Impact and Risk Assessment					
	Develop an all hazard provincial risk mitigation plan					
	<b>Goal 2: Promote hazard mitigation as an integrated public policy and as a standard business practice</b>					
2	Conduct an assessment of existing and required mitigation plans, programs and policies including grant funding					
	Integrate mitigation practices throughout provincial plans, programs, and policies					
	<b>Goal 3: Support the development and implementation of local and regional mitigation strategies</b>					
3	Promote the development of hazard impact and risk assessments in coordination with local jurisdictions					
	Promote the integration of hazard mitigation into local and regional development planning efforts					
	Ensure that all local jurisdictions are aware of available mitigation funding sources and cycles					

# Provincial Risk Assessment

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Aim:

- Identify hazards which pose the greatest threat to the residents, environment and economy of Alberta.



# Hazard Identification and Risk Assessment (HIRA) – Phase 1

**\*the table below is for illustration purposes only\***

Level of Risk	Description	Hazards
>50	Extreme	Flood, Forest/Wildland Fire, Freezing Rain, Hazardous Materials Incident, Human Health Emergency, Snowstorm / Blizzard, Tornado
41 - 50	Very high	Drinking Water Emergency, Geomagnetic Storm, Oil/Natural Gas Emergency, Terrorism/CBRNE
31 - 40	High	Agriculture and Food Emergency, Critical Infrastructure Failure, Drought/Low Water, Nuclear Facility Emergency
21 - 30	Moderate	Civil Disorder, Cyber Attack, Earthquake, Human-Made Space Object Crash, Landslide, Transportation Emergency, Windstorm
11 - 20	Low	Building/Structural Collapse, Dam Failure, Explosion/Fire, Extreme Temperatures, Hurricane, Natural Space Object Crash, Radiological Emergency
<10	Very Low	Energy Emergency (Supply), Erosion, Fog, Hail, Land Subsidence, Lightning, Mine Emergency, Sabotage, Special Event, War and International Emergency

# Outcomes

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The findings of the Provincial Risk Assessment will:

- Identify and categorize high risk municipalities for intervention.
- Allow decision makers to prioritize risk reduction investments for reducing future losses and damage.
- Create the basis for incorporating appropriate risk reduction strategies and prioritizing them into the province's development planning.
- Identify gaps in existing disaster risk reduction strategies.
- Support the province's drive for implementing programs geared at adapting to the effects of climate change

# Provincial Stockpile

- Critical equipment and supplies include:
  - Hesco carts, Tiger Dams, Pumps and hoses, Sand bag machines, Flood sax, Generators, Air compressors, Barricades, Road closed signs, Solar powered message boards, Emergency sirens w/ PA system, Hand held radios, Goggles, Gloves, Vests, Masks, Filters etc
- Procurement is underway
- Available for use by any municipality in need





# Grant Programs

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- Flood Readiness Grant (FRG)
  - Established to increase capacity and strengthen community resiliency
  - Targeted at communities affected by 2013 floods
  - \$26 million 2013/14 & 2014/15
- Fire Services Emergency Preparedness Program (FSEPP)
  - Increase training capacity for fire services and emergency management practitioners
  - Approx. \$150,000 annually
- Repurposing of existing funds (*Proposed, not yet approved*)
  - Increase training capacity for fiscal 2014/15 in Heavy Urban Search and Rescue (HUSAR), Incident Management Training (IMT), and Chemical, Biological, Radiological, Nuclear and Explosive weapons (CBRNE) training

# Grant Programs

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- Community Emergency Preparedness Program (CEPP) Grant
    - \*Anticipatory Proposal\*
    - Mirrored of the former federally funded JEPP
    - Funding components will include increased training capacity for programs such as Heavy Urban Search and Rescue (HUSAR), Incident Management Training (IMT), and Chemical, Biological, Radiological, Nuclear and Explosive weapons (CBRNE)
    - Another funding component will be for community preparedness.
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- Application process
  - Support or endorsement from Field Officer
  - Potential for risk assessment to tie into justification (anticipatory)

# Role of the Field Officer

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**Assist municipalities to mitigate, prepare for, respond to and recover from large emergencies and disasters by:**

- facilitating Disaster Recovery Program and Municipal Wildfire Assistance Program applications
- assisting in developing/reviewing Community Emergency Management Plans and Programs.
- assisting in exercises
- support during disasters and emergencies
- liaison between the Province and Communities
- delivering training programs in region
- facilitating training grants and regional EM partnerships



# Alberta Emergency Management Agency Field Operations

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## Field Operations August 2014

- 1 Field Operations Manager
- 14 Municipal Field Officers
- 4 First Nations Field Officers
- 2 Administrative Support
- Community Emergency Management Program (CEMP)





# Goals of Field Operations in Response to Community Needs

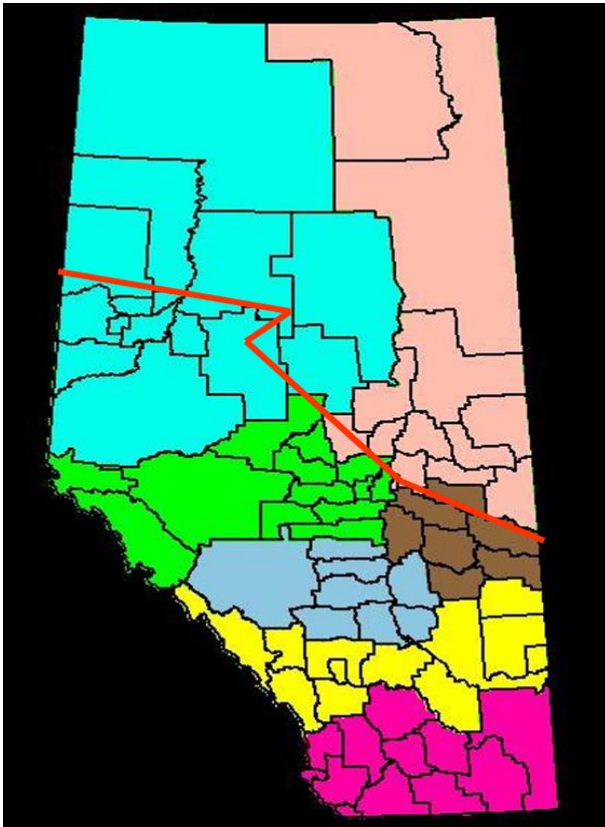
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- **Community Engagement.**
- **Community Surveys.**
- **Responsive to Community Needs.**
- **Community Visitations & Program Reviews.**
- **Increase Agency Capacity and Community Support.**
- **Increase Community Access to Training.**



# Alberta Emergency Management Agency Field Officers

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- Northwest (Brice Daly/Vacant Position)
- Northeast (Ian Fox/Craig Sallows)
- North Central (Mark Pickford/John Swist)
- East Central (Dieter Langer/John Lamb)
- Central (Bruce Mackenzie/Don Huestis)
- South Central (Randy Tiller/Rob Morton)
- South (Bill Seymour/Ken Hawrylenko)
- First Nations Northwest (Pat Kennedy)
- First Nations Northeast (Rudy Parenteau)
- First Nations South (Fran Byers/Stacy Doore)

# Field Operations Gap Analysis

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- Field Team outstanding work.
- Community surveys commonality
  - Communities want more access to training.
- Field Team capacity limited by resources.

“Learning is experience. Everything else is just information...”  
Albert Einstein

# Field Operations Restructure Process Phased Approach

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- Orientation
- Community Assimilation
- Train the Trainer



# Training Now Available

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- Basic Emergency Management (BEM)
- Municipal Elected Officials (MEO)
- Emergency Public Information (EPI)
- Emergency Coordination Centre (ECC)
- Emergency Social Services (ESS)
- Registration & Inquiry ( R&I)
- Persons with Functional Needs (PFN,
- Exercise Design 100
- Alberta Emergency Alert (AEA)
- ICS 100, 200 & Train the Trainer ICS 200



## Training

developing the skills  
employees need to perform  
better, improve their performance  
skills, and abilities, specific  
experience, at



# Field Operations Future Plans

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## Increase Community Capacity

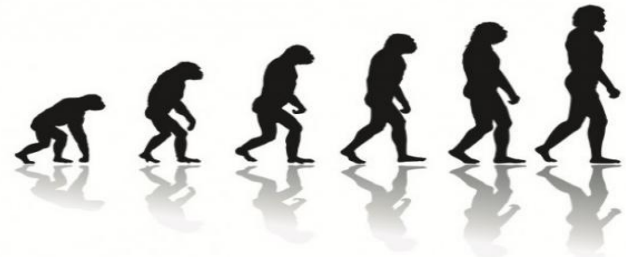
- Visitations
- Emergency plan reviews
- Exercises
- Training
- Community Emergency Management Program (CEMP)



# Community Emergency Management Program (CEMP)

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- Originally known as Municipal Emergency Management Programs (MEMP).
- Community input (inclusive of a Community Advisory Council) identified:
  - Program strengths & weaknesses
  - Program not widely utilized
- EMBrella (a transition program for MEMP) was created.
- Community and Field Officer input resulted in a name change to Community Emergency Management Program (CEMP).



# Community Emergency Management Program (CEMP)

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## Components of Phase 1 (December 2014 – March 2015)

1. Community Self Assessment
2. Community Emergency Plan
3. Information Sharing

## Components of Phase 2 (April- October 2015)

1. Community Risk Assessment
2. Community Differentiation
3. Document Library



# Community Emergency Management Program (CEMP)

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## Deliverables (completed)

- Project Administration & Preliminary Analysis
- Design Deliverables
- Regionalization (partial)
- ICS component
- Content Design Workshops
- Fit Analysis



# Community Emergency Management Program (CEMP)

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## MAJOR FEATURES

- Self-Assessment
  - self guiding questionnaire
  - assess and maintain effective Emergency Program
  - completed by community reviewed by the Field Officer
- Risk Assessment
  - template document for risk assessment
  - specific to the community completing it
- Emergency Management Plan
  - “wizard approach” (guided)
  - prepares procedures and equipment for use in an emergency
  - structured, sharable Emergency Management Context document



# Questions

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