



DISASTERS: BUILDING RESPONSE, RECOVERY & RESILIENCE





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Session Overview

- Types & Nature of Disasters
- Response & Recovery Challenges
- Case Study: 2016 Alberta Wildfires
- Key Findings from the Wildfires
- Community Resilience
- Questions



TYPES & NATURE OF DISASTERS



Types of Disasters

- Types of Disasters:
 - Natural
 - Man-made
 - Technological
- Crises and disasters can damage your economy and scare businesses away. It can take years to recover.

Nature of Disasters: Development



Nature of Disasters: Costs

10 COSTLIEST NATURAL DISASTERS IN CANADA

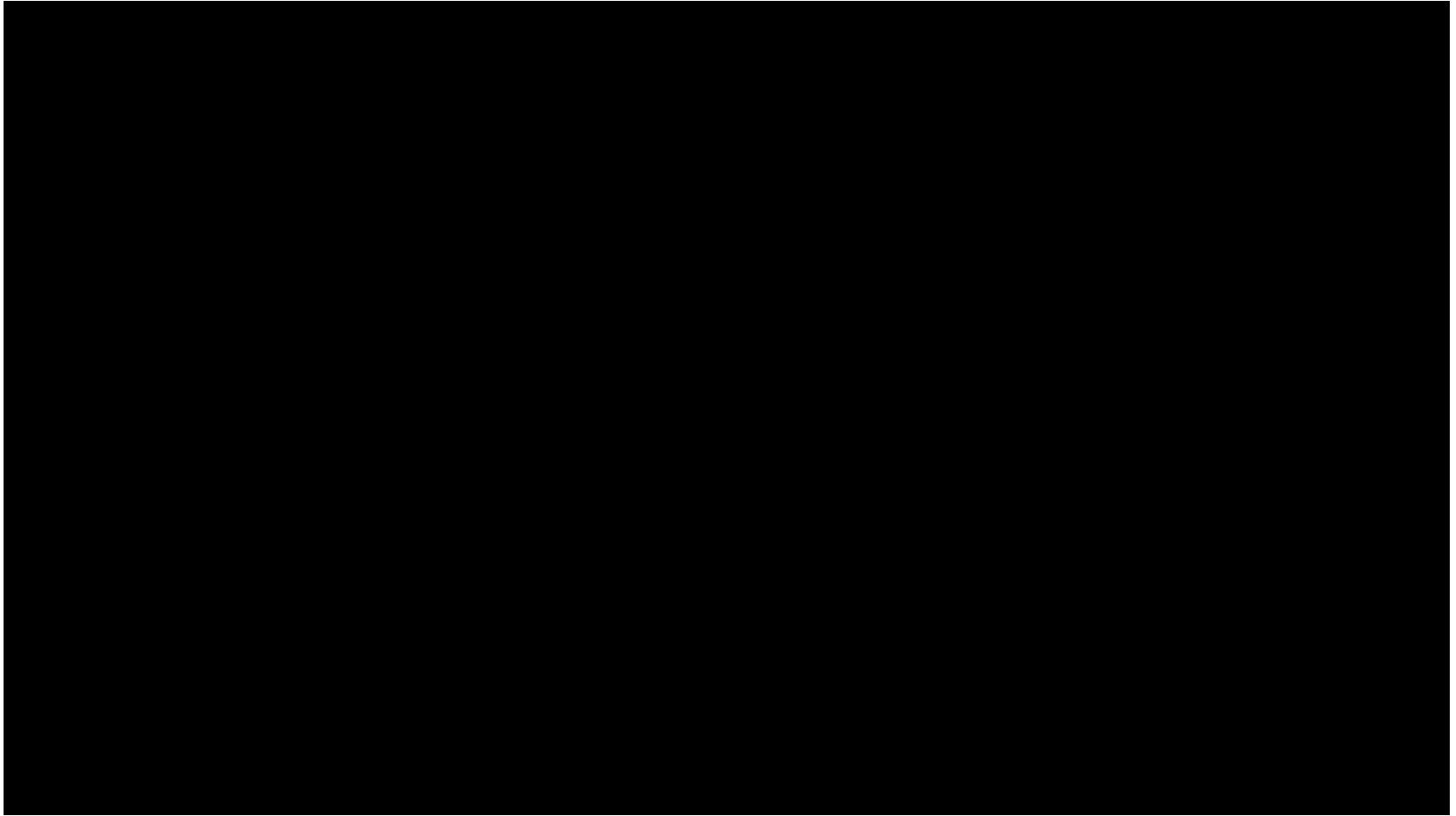
EVENT	LOCATION	DATE	LOSS*
Windstorm/thunderstorm	Southern Alberta	June 2013	\$1,827M
Icestorm	Southern Quebec/eastern Ontario	Jan. 1998	\$1,574M
Windstorm/thunderstorm	Toronto, southern Ontario	July 2013	\$1,000M
Fire	Slave Lake, Alberta	May 2011	\$742M
Windstorm/rainstorm	Ontario	Aug. 2005	\$625M
Windstorm/thunderstorm	Alberta	Aug. 2014	\$569M
Windstorm/thunderstorm	Calgary and region	Aug. 2012	\$562M
Wind/thunderstorm	Calgary/southern Alberta	July 2010	\$530M
Windstorm	Calgary	Aug. 2009	\$376M
Hailstorm	Calgary	Sept. 1991	\$363M

*Loss and loss adjustment expense. Not adjusted for inflation.

SOURCE: STANDARD AND POOR'S

NATIONAL POST

Southern Alberta Floods



Nature of Disasters: Best Practices



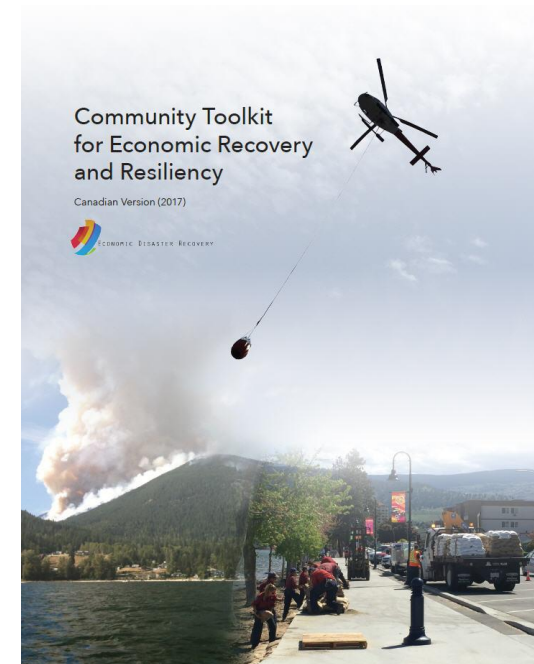
**Economic Resilience
Training for Community and
Regional Leaders**

June 21 & 22, 2017



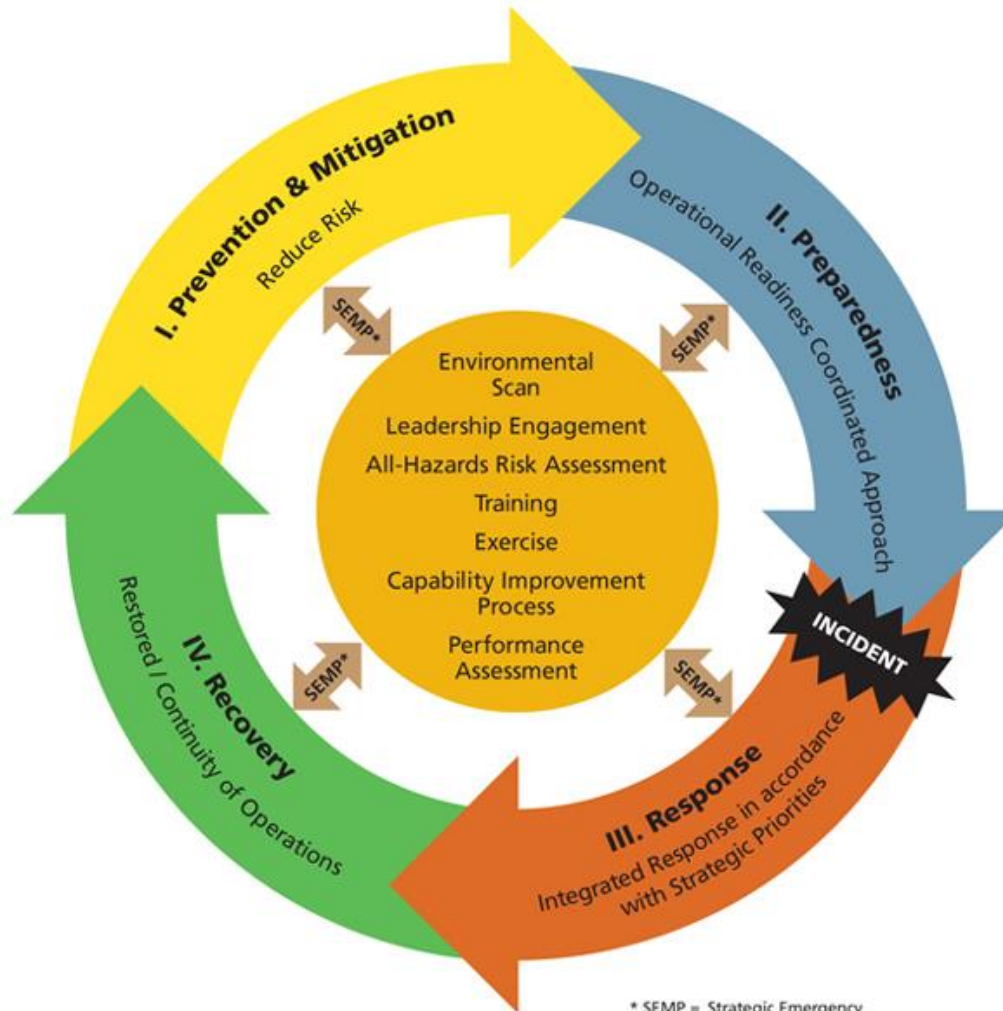
This intensive boot-camp course will help prepare local elected officials, community leaders and economic development leadership to support economic development, disaster resilience and economic recovery activities in their communities.



Nature of Disasters: Be Prepared

Emergency Management Continuum



* SEMP = Strategic Emergency Management Plan



RESPONSE & RECOVERY CHALLENGES

Response & Recovery Challenges

- Who's on first?
- Communication
- Assessing impact
- Business retention (small and large)
- Provincial/Federal/Indigenous roles/rules
- Long-term blight/redevelopment
- Lack of local experience/capacity to manage complex recovery issues/projects

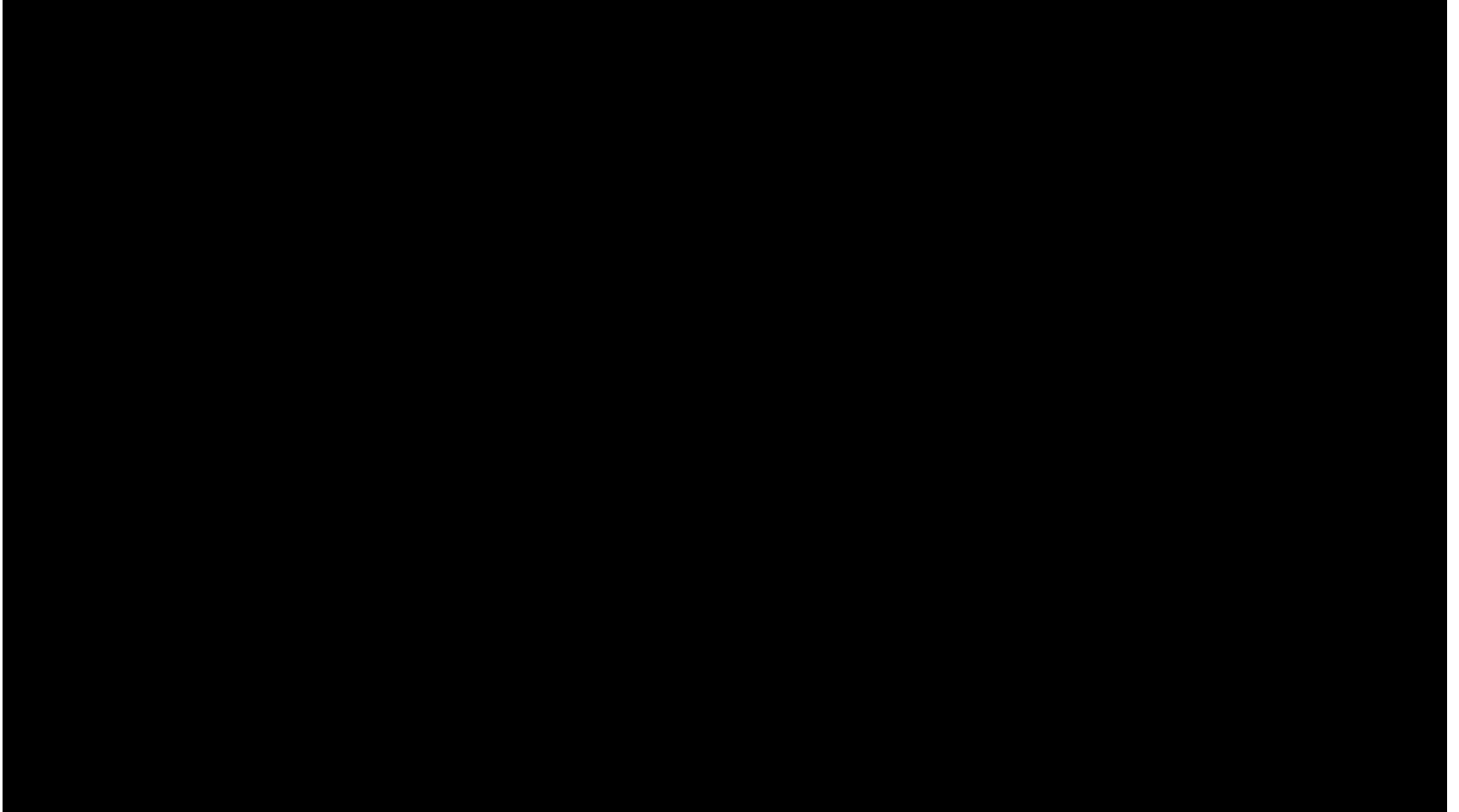


2016 ALBERTA WILDFIRES

A CASE STUDY



2016 Alberta Wildfires



Case Study: Alberta Wildfires

- Wildfire displaces over 80,000 residents, and destroys 1595 structures (2579 dwelling units)
- Costliest disaster in Canadian history (\$3.58 billion)
- With the whole community evacuated, spread across the country, how can the community contact businesses to find out what their immediate needs are?

Case Study: Alberta Wildfires

- May 25, Council approves Business and Economic Recovery Plan
- May 30, Economic Developers Alberta (EDA) opens the Wood Buffalo Business Recovery Hotline in collaboration with the RMWB Economic Development Department
- Funded solely by the Canadian Red Cross



Case Study: Alberta Wildfires

- By August 31 the Hotline:
 - Handled over 15,000 calls, and registered 4,134 companies
 - Completed a needs survey and provided case management
 - Gave 3,296 companies each \$1000 emergency grants
 - Implemented a social media campaign. More than 1200 unique website visits, reaching over 40,000 individuals in the region.



Case Study: Alberta Wildfires

- Back to Business Resource Centre:
 - YMM Welcome Walks
 - Ask an Expert Program/Learning Events
 - Back to Business Coaching Program
 - YMM Home Shows/Expos
 - BSN Events
 - Job Fair
- Canadian Red Cross Phase 2/3 Funding
- RMWB Small Business Workforce Support Program



Case Study: Alberta Wildfires

- EDA Technical Assistance Visit/Report:
 - 10 member team (including Indigenous/rural representation)
 - 1 week of stakeholder meetings
 - Over 200 interviews
 - Over 50 immediate, short, medium and long term business and economic recovery recommendations



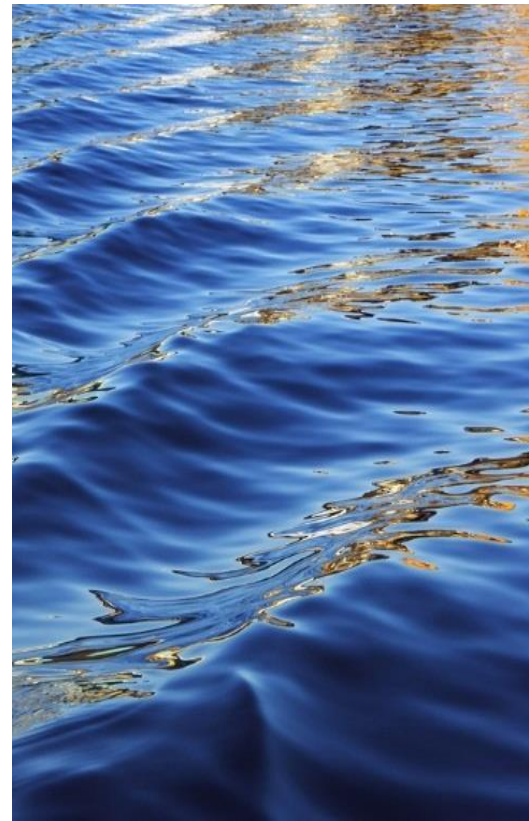
¹
Embracing the new
economic realities:
after the wildfires

Economic Opportunity Assessment
prepared for Regional Municipality of Wood Buffalo
by EDA's Economic Opportunity Assessment Team
May 2017



RAY WANUCH

CEO, CANDO



Wildfire: Key Findings

- Business processes and governance
- Insurance
- Fire fighters- response, readiness
- Real estate
- Business supports
- Workforce
- Market access
- Social issues
- Economic issues
- Impacts will be felt for years to come



COMMUNITY RESILIENCE

Building Resilience

- In terms of land and economic and development, communities that take steps to be **resilient** are better able to:
 - Withstand shocks
 - Recover quickly
 - Avoid shocks entirely

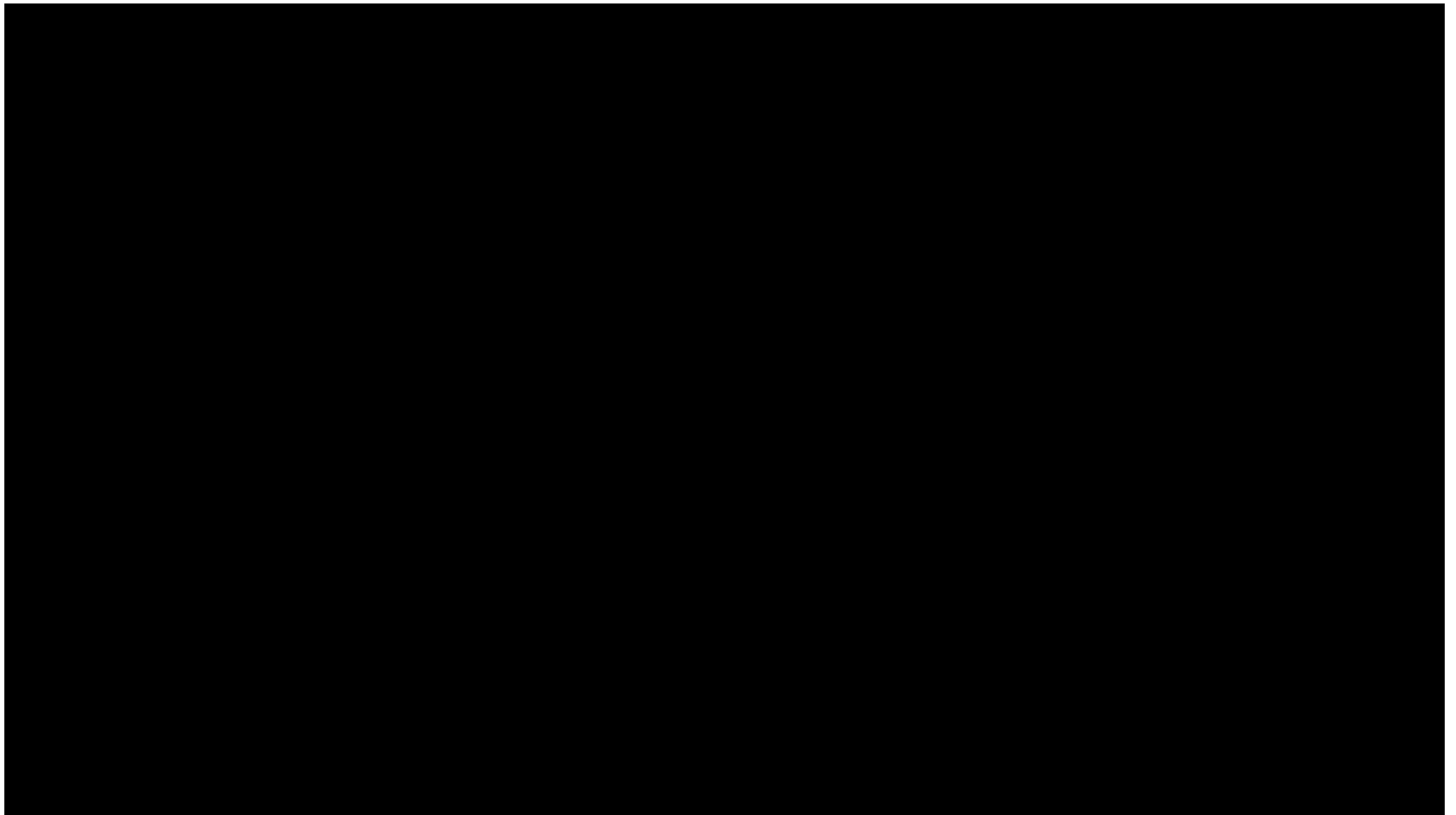
Pre-Disaster Planning Tips

- Think carefully about development
- Identify critical business functions
- Know your insurance
- Identify a backup location and data system
- Collect critical emergency contact info
- Help prepare your business community
- Build an Economic Response/ Recovery Team

Closing Thoughts...

- A disaster can happen to you- be prepared
- Know who is on first
- Don't reinvent the wheel
- Get started today!

Community Resilience- Investing in Tomorrow





QUESTIONS?

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