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HEALTHY AND SAFE COMMUNITIES DEPARTMENT
HAMILTON FIRE DEPARTMENT



Hamilton

EMERGENCY MANAGEMENT & PREPAREDNESS

ADVISORY COMMITTEE FOR PERSONS WITH DISABILITIES

February 11th, 2020

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Emergency Management Coordinators



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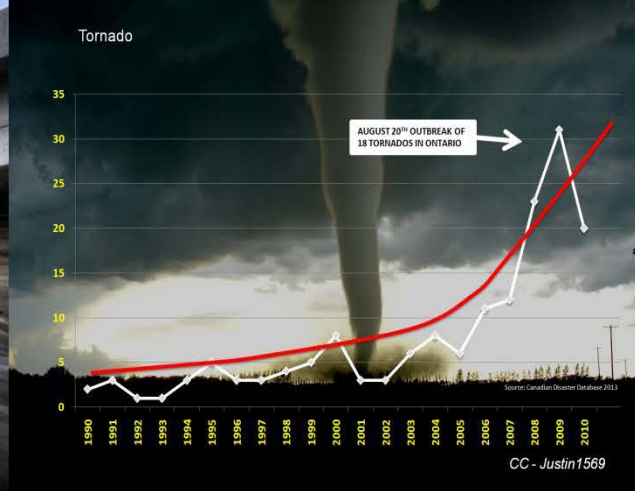
Healthy and Safe Communities
Hamilton Fire Department



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Today's Presentation

- Trends in Emergency Response
- Risks in the City of Hamilton
- How the City Responds to Emergencies
- Personal Preparedness



Our World is Changing







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Trends in Emergency Management

- Increase in weather-related events
 - Longer and hotter summers (increase in heat exposures, forest fires and drought)
 - Increase in freezing and melting cycles (more ice storms)
 - More precipitation days in the winter and spring with less precipitation days in the summer
 - Increasing rain intensity and flooding
 - Increase in extreme events with shorter periods between events



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Current Trends (continued)

- Increase in cyber attacks
 - Disruption to businesses
 - Loss of services
- Increase in availability of chemicals, radioactive and hazardous materials
 - Increase in explosions
- Increase in intentional acts of violence



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Hamilton Hazards and Risks

Types of Hazards

- Natural – Forces of nature: floods, extreme weather, earthquakes
- Human-Caused – The direct result of human actions (civil disorder, cyber attack, terrorism)
- Technological – loss of power



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Top Ten Risks in Hamilton (HIRA)

1. Hazardous materials incident – fixed site
2. Flooding
3. Hazardous materials incident – Transportation
4. Human Health Emergency
5. Energy Emergency (supply)
6. Extreme ice storm
7. Explosion and fire
8. Transportation Emergency – rail
9. Critical Infrastructure Failure – Telecommunications
10. Active Shooter/Violent Situation



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Historical Data in Hamilton

It can happen here...

- **Plastimet Fire (July 1997)**
 - Fire at 80,000 sq. ft waste disposal site involving partial structural collapse and burning polyvinyl chloride
- **SARS (April 2003)**
- **Blackout (August 2003)**
- **F1 Tornado (November 2005)**
 - Lawfield school
 - Severe wind and rain, hydro outage





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Historical Data in Hamilton

- **East End Flooding (2006)**
 - 5-6 ft of water in Greenhill area
 - Residents evacuated to a shelter
- **Woodward Waste Water Treatment Plant, (December 2006)**
 - Combined sewer system overwhelmed
- **Lottridge St Fire (June 2007)**
 - 10,000 sq/ft recycling plant
 - Residents evacuated
- **Biederman Fire (July 2007)**
 - Pesticide producing plant



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Historical Data in Hamilton

- **Infectious Disease Outbreak – H1N1 (2009-2010)**
- **Ice Storm – Power outage (Dec 2013)**
- **Tornado (F1) – Milgrove (Aug 2014)**
- **House Explosion 2017**
- **Flooding and high lake levels 2017 and on-going**
- **St Peter's Hospital Evacuation 2017**



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Emergency Response Plan

- The City has an Emergency Response Plan
- The Plan outlines staff response roles and responsibilities in the Emergency Operations Centre
- Staff are trained on these response roles every year
- Staff link with the Red Cross, Salvation Army, Good Shepherd to support those impacted by an emergency



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Emergency Operations Centre





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Emergency Operations Centre



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When do we Activate the EOC

1. Need for site support
2. Large-scale complex response
3. Significant population impact/at risk
4. Uncertain conditions/risk of escalation
5. Information management issues
6. Major planned event
7. Potential threat to be monitored





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Personal Preparedness

Three Steps for Emergency Preparedness

1. Know the Risks
2. Make a Plan
3. Get a Kit



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Make a Plan

What's your plan if you have to evacuate your residence?

What's your plan if you can't get into your residence due to a road closure or building fire?

What is your plan for your pets/service animals?

What is your plan for any special needs or mobility aids needed?



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Get a Kit

Should be specific to your needs:

- Water – two litres per person per day
- Food – that won't spoil (energy bars, dried foods)
- Flashlight and extra batteries
- Battery- powered or wind-up radio
- First Aid Kit
- Clothes and light footwear appropriate to the season
- Phone charger and/or power pack



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Other Kit Items

- Extra keys – for your residence and/or car
- Cash –small bills
- Blanket
- Hygiene Kit
- Recent photos of family members or pets
- Other personal care supplies, games, cards, books
- Documents – list of phone numbers, insurance papers, copies of ID (passport, birth certificate, etc.)
- Medications, spare eye glasses



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Kit Tips

- Use a portable container, put near an exit
- Put extra clothing, personal documents in plastic bag
- Keep a flashlight in the top of your kit, to find it quickly in the dark
- Consider the changing seasons – temperature, clothing
- Check your kit twice a year. Change food, water, medicine.



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Kit Specific to your Needs

- Tag your special needs equipment
 - include instructions on how to use and/or move each assistive device during an emergency.
- List all food/drug allergies and current medications
 - for each medication, specify the medical condition treated, dosage, frequency, and the name and contact info of the prescribing physician
 - Provide this list to your designated network and keep a copy in your kit
- Complete a checklist and personal assessment sheet
 - provide a copy to your designated network and keep a copy in your kit



Adobe Acrobat
Document



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Kit Specific to your Needs

- If you rely on any life sustaining equipment or if you require regular attendant care, ask your network to check on you immediately if an emergency occurs
- During an emergency, if your support network is unable to help, ask others for help and inform them of your special needs and how they can assist you.
- Carry a personal alarm that emits a loud noise to draw attention.



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Mobility Considerations

- You may need to stay in an evacuation centre or visit a reception centre - all City evacuation and reception centres are accessible
- If you live in building with multiple floors, ensure that your building management is aware of your need for assistance in the case of evacuation - this information is shared with emergency responders



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Service Animal and Pet Kits

- Pet food and dish
- Water
- ID tag/License
- Photo of animal
- Leash/harness/vest
- Muzzle (if needed)
- Vaccine certificates
- Garbage bags
- Paper towels
- Blanket
- Medication (if needed)





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During an Emergency

- Follow your emergency plan.
- Keep the phone lines free, except to report life-threatening injury.
- Listen to the radio or television for information from local officials and follow their instructions.
- Stay put until all is safe or until you are ordered to evacuate.



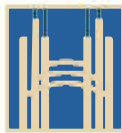
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Getting Information

The City's emergency communications plan includes **internal** and **external** messaging depending on the type of incident and impact.

- Mayor and Council updates (ward or city impacts)
- Media updates & monitoring (releases, press conferences)
- Social media updates (Twitter, LinkedIn, Instagram). All accounts to follow the main @CityofHamilton corporate account
- Updating Customer Contact Centre
- Public information material creation
- Information for digital boards
- Information on Hamilton.ca website (notifications, alerts, emergency pages www.hamilton.ca/emergency)
- Internal tactics

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hamilton.ca/emergency





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QUESTIONS?



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