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# EM2022-1048 Status of Emergency Preparedness – Focus on Risk: Severe Winter Weather

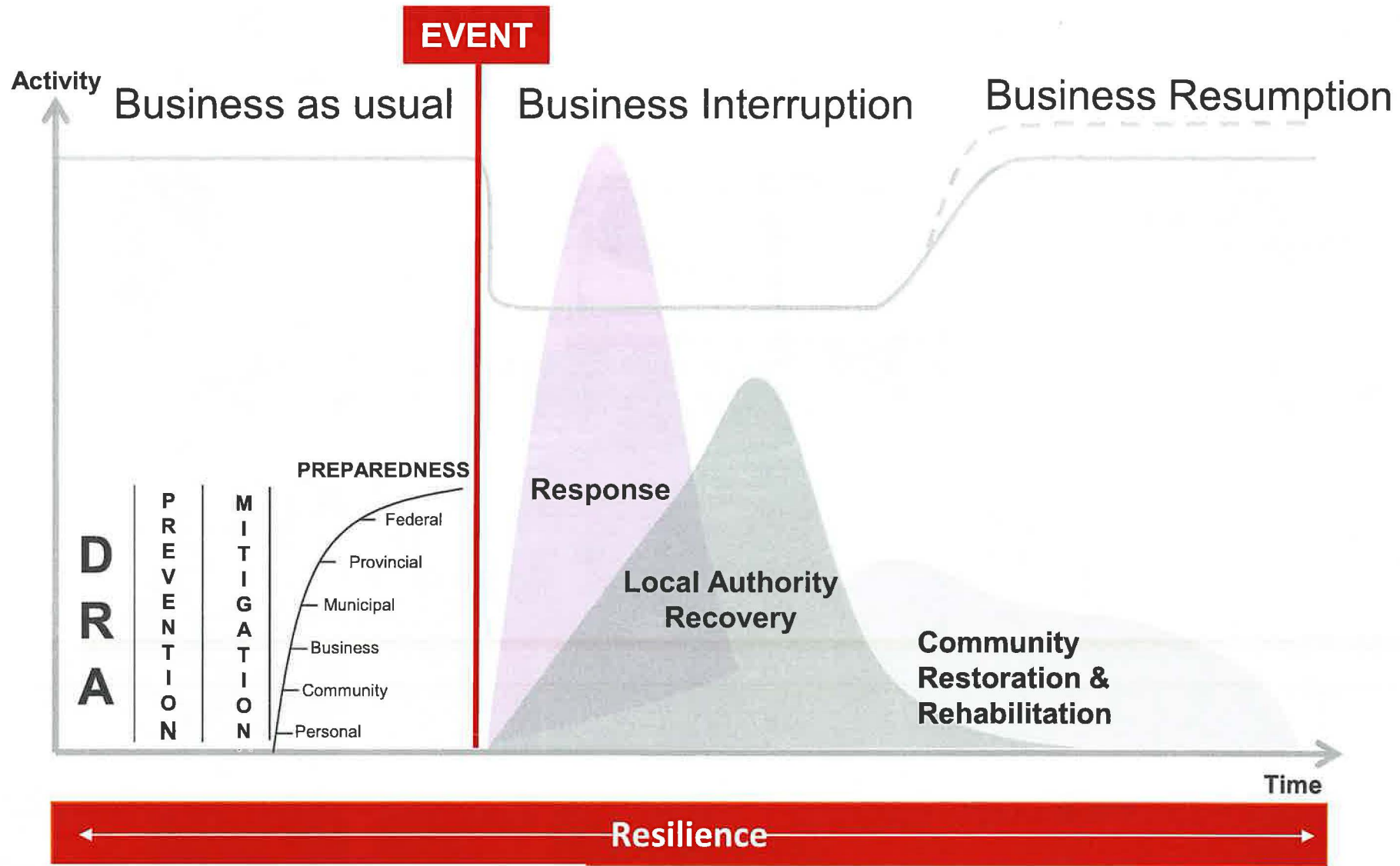
2022 November 3

ISC: Unrestricted

CITY OF CALGARY <b>RECEIVED</b> IN COUNCIL CHAMBER
NOV 03 2022
ITEM <u>EM2022-1048</u>
<u>Distribution</u>
CITY CLERK'S DEPARTMENT



# Comprehensive Emergency Management



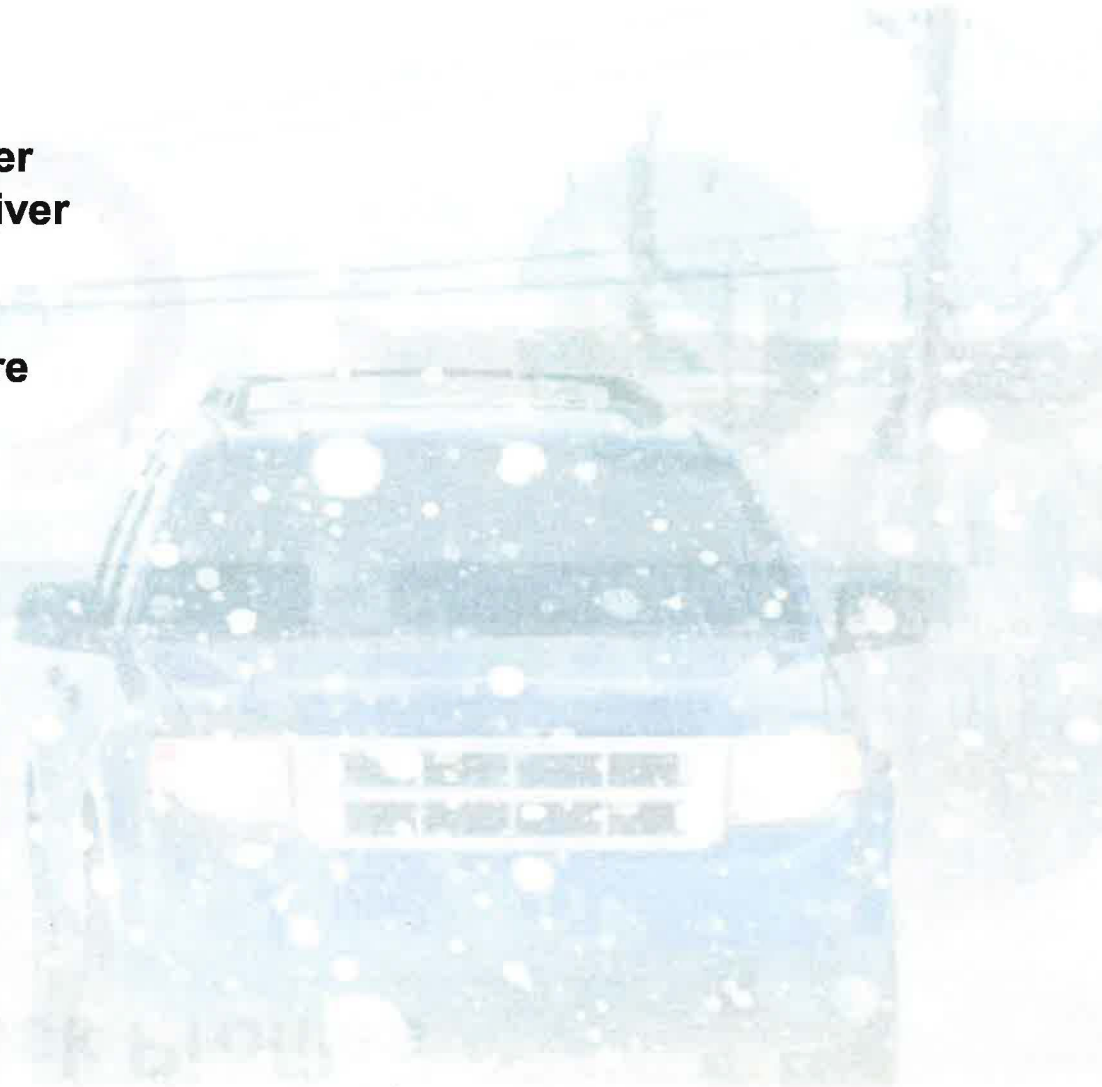
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# Disaster Risk Assessment

**16**  
**High Risks**

- Catastrophic flooding – Bow River
- Catastrophic flooding – Elbow River
- **Extreme cold**
- Mass casualty incident
- Major critical infrastructure failure
- Major dam breach – Bow River
- Major dam breach – Elbow River
- Major drought
- Major hostage incident
- Major rail incident
- Pandemic
- **Severe blizzard**
- Severe heavy rainstorm
- **Severe winter storm**
- Tornado
- Civil disobedience\*





# Severe Winter Weather Risk Profiles



Extreme Cold

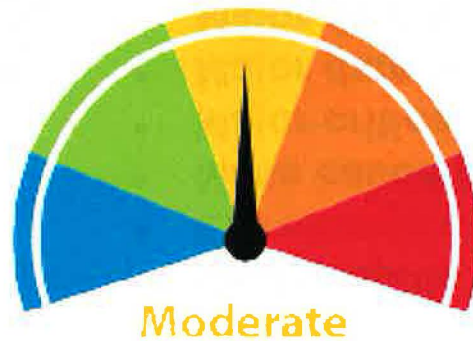


Severe Blizzard



Severe Winter Storm

CONSEQUENCE



LIKELIHOOD



RISK TREND



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# Cascading Impacts



- Health & safety risks
- Utilities & critical infrastructure outages
- Increased demands on health care & social support systems
- Transportation system impacts
- Damage to property & built infrastructure
- Environmental impacts



# Mobility

## Preparedness & Response

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# Preparations

Responsible for the maintenance and operations of Calgary streets, sidewalks and pathways

## Snow and Ice Control Operational Program Plan

- Snow plan & route priorities
- Scalable staffing + contractors
- Customize response to conditions
- Focused training





## Response Measures

### Partnerships

- Business continuity assignments
- Mutual aid
- Updated Snow & Ice Control Policy

### Tools and Resources

- Snow route parking bans
- Snow & Ice Control Reserve
- Mobility Operations Centre for real-time info / coordination



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# Calgary Transit

## Preparedness & Response

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Operations Control Centre



Public Safety



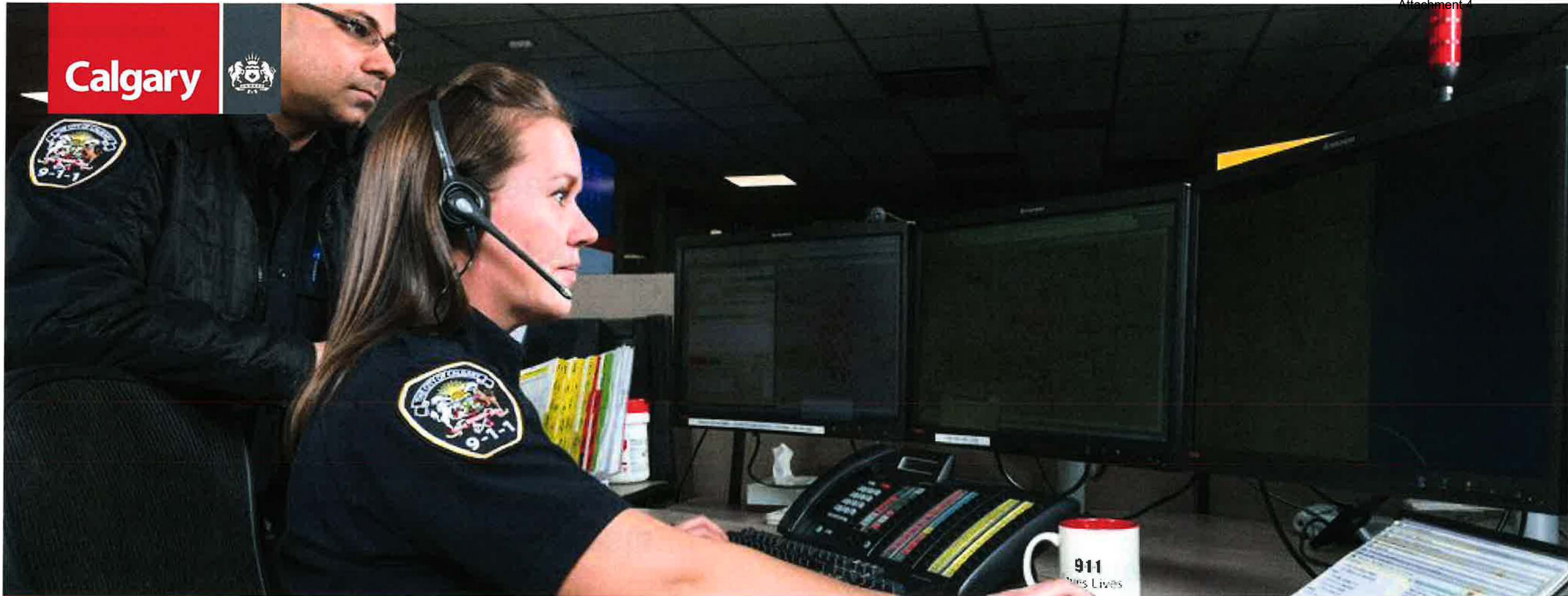
Dispatch/In field Staff



Outside Maintenance/Snow Clearing



Communication

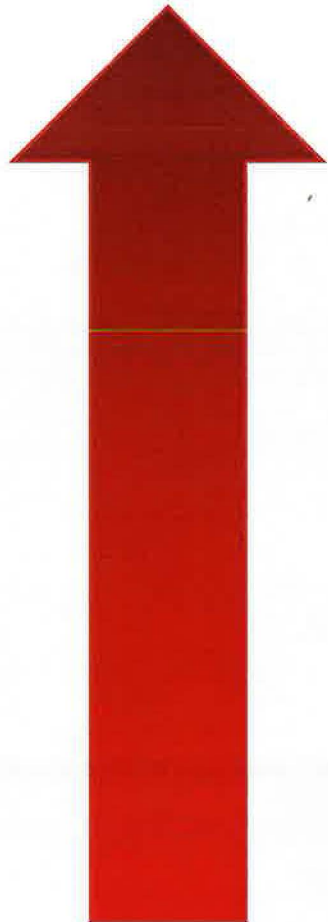


# Calgary 911

## Major Event Operations



# Calgary 911 Impacts



- Motor vehicle collisions
- Stranded motorists
- Frozen/burst pipes
- Heat/power outages
- Welfare checks
- Vulnerable persons
- Outside sleepers

## Severe Weather Example:

June 13, 2020: Hailstorm

- *Increase of 225% call volumes during the busiest 30 minutes of storm event*
- *Increase of 58% overall call volumes for duration of event*



# Calgary 911 Response



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# Community Strategies

## Winter Weather Supports

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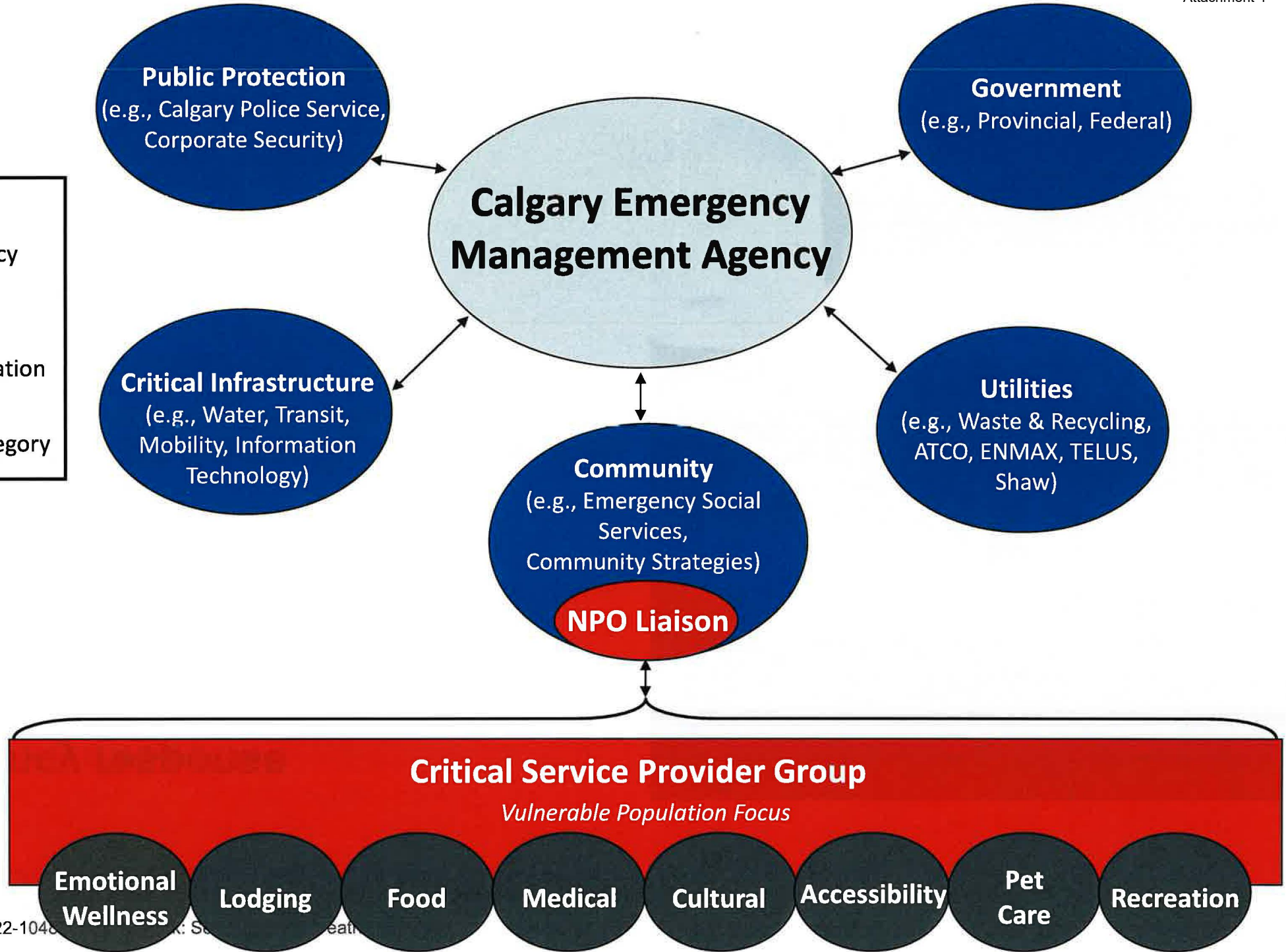


# Community Strategies

## Role in emergency response

- Connections with community & partners
- Understanding impacts to communities & populations experiencing vulnerability
- Strategic support for CEMA Emergency Social Services
- Non-Profit Organization Liaison role









# Community Strategies

## Emergency Wellness Response Team

- Provision of coordinated psychosocial wellness support to impacted individuals

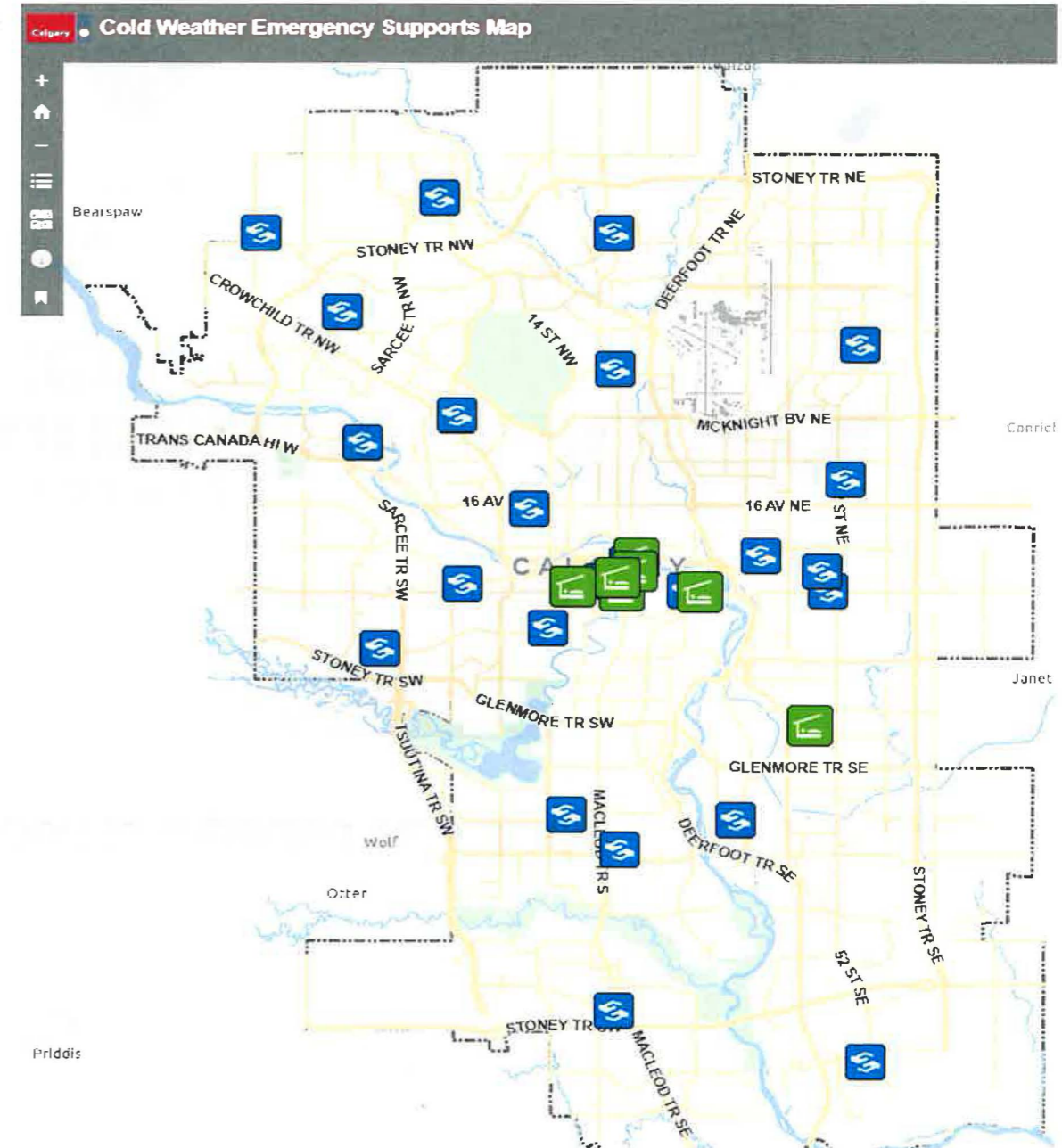




# Community Strategies

## Preparing for severe winter weather

- Continued planning for the winter season
- Convening community partners & City services to support collaboration & coordination
- Support communication of available services & supports



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# Community Strategies

## Responding to severe winter weather

- Liaise with community partners to understand service impacts & capacity
- Support City & partner communications
- Coordinate additional supports as required



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# Emergency Management Operations

## Planning & Response



# Winter Weather Preparedness



## Fall Agency Exercise

Full functional exercise on November 17<sup>th</sup> based on severe winter storm scenario.



## Extreme Cold Weather Plan

2022 completion of Extreme Cold Weather Annex to Calgary's Municipal Emergency Plan.



## Community Preparedness

Engaging the public to promote winter emergency preparedness & resilience.

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## Recommendation:

That the Emergency Management Committee recommend that Council receive this report for the Corporate record.