

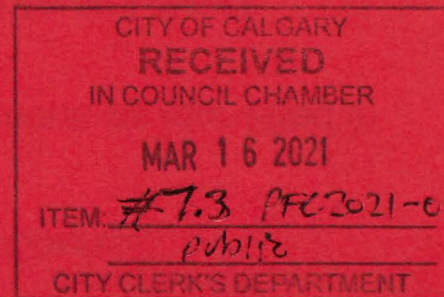


Mitigating the Impacts of Severe Weather Events in Calgary - PFC2021-0194 (Response to Notice of Motion PFC2020-0828)

Priorities and Finance Committee

Date: March 16, 2021

ISC: Unrestricted



**RECOMMENDATIONS:**

That the Priorities and Finance Committee (PFC) recommend that Council:

1. approve Administration's severe hail weather strategies and actions as identified in Attachment 2.
2. approve the proposed resilient roofing rebate program in principle and direct Administration to return with full details to PFC in 2021 April.
3. request that the Mayor write a letter to the Province of Alberta requesting funding to support the proposed resilient roofing rebate program; and a second letter to the Minister of Alberta Municipal Affairs seeking support for proposed code changes to roofing and siding materials in hail-prone areas.



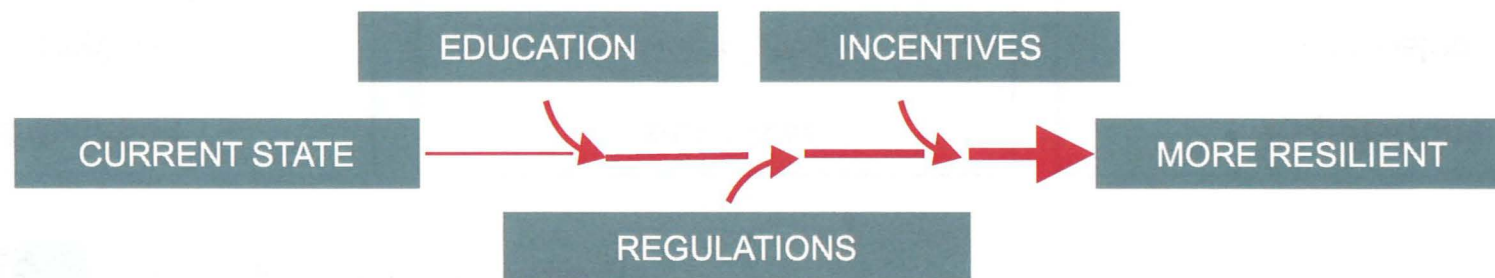
Challenge

The primary way to increase resiliency of buildings is to improve building materials

- Resilient materials costlier
- Building codes affect only new buildings
- Consumer and industry awareness of alternatives low

Strategy

- Extensive consultation with internal and external stakeholders to increase building resiliency
- 60+ actions; prioritized 13 to immediately address hail storms in the Calgary region





Three pillars for action

Education

Completed

Hailstorm Action Plan
Industry engagement sessions
Climate Resiliency Handbook
launch (April)

Future focus

Webinars
Public campaign

Incentives

Completed

Discovery sessions with
insurance industry
Durable Roof Checklist

Future focus

Additional insurance incentives
Roofing Rebate Program

Regulations

Completed

Envelope inspection
Code change industry collaboration

Future focus

Code change implementation



To increase disaster resiliency effectively:

- We must address existing buildings; stakeholders identified education as the most important tool to address existing homes
- New construction can be improved through code changes
- Public benefit should be monitored and measured

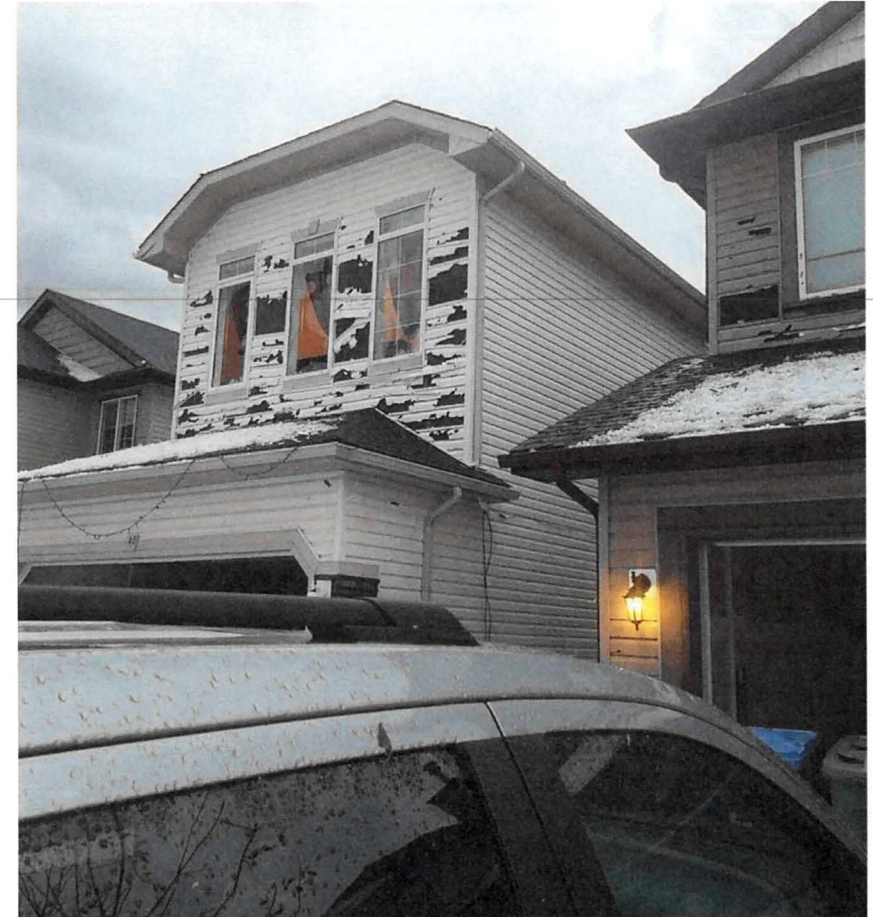


Direction

1.d. Conduct a comprehensive debrief of The City's response to the severe storms in June 2020

Response

- Debrief convened July 2020
- After Action Report & Improvement Plan
 - i. Strengths
 - ii. Areas for Improvement





High Risk Disasters in Calgary

- Extreme cold
 - Major rail incident
 - Severe storm - blizzard
 - Major dam breach – Bow River
 - Severe storm - winter storm
 - Catastrophic riverine flooding Elbow River (1:100)
 - Major critical infrastructure failure or disruption
 - Catastrophic riverine flooding Bow (1:100)
 - **Severe storm - heavy rainstorm**
 - Mass casualty incident*
 - Major hostage incident*
 - Major drought
 - **Tornado**
 - Pandemic

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High Risk

* special consideration when determining likelihood for police/security threats



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