Fireworks Bylaw

> "The decisions we make every day, such as how we live and move around, [mitigation] have an impact on emissions that contribute to poor air quality and climate change. The effects of climate change, such as significantly more intense storms and flooding, will also impact our everyday lives [adaptation]. Initiatives to reduce air emissions can also help reduce the greenhouse gases that contribute to climate change and vice versa." (Climate Change and Air Quality, City of Burlington)

Fireworks have a detrimental effect on human health and wildlife

1) "...the explosive charge that launches fireworks into the atmosphere can contain *perchlorates* that deposit back down to the surface, contaminating soil and water."

2) "There's also toxic exhaust generated by a display's coloured element and its smoke."

3) "Traditional fireworks are wrapped tightly with metals like copper and lithium, which create the blue and red colours we see in the sky. But when they explode, metallic compounds released into the environment can be carcinogenic or toxic to both humans and animals."

4) "... smoke generates particulate matter, ... can affect air quality and make breathing more difficult for people with asthma or other respiratory and cardiovascular conditions."

5) "As for animals, researchers have found fireworks are correlated to anxiety, disorientation, stress and fear."
   - disorient wildlife: birds fly into windows, increased wildlife on roads
   - firework debris is a choking hazard

"How fireworks can affect your health and the ecosystem"   Posted: Jul 20, 2019
https://www.cbc.ca/news/canada/calgary/calgary-fireworks-environment-wildlife-human-health-concerns-1.5218006

Fireworks Bylaw Engagement

- survey originally was to be open until 11:59 pm March 2: it closed at 1:00 pm on February 28

- there was no requirement for users to sign in to register a vote: I voted 4 times

- respondents did not have to be a resident of Burlington to vote: I had a friend who does not reside in the city vote