



Mo Markham
and
Dr. Tushar Mehta

**The Feb. 2022 report from the IPCC states:
“Reduction of excess meat consumption is amongst
the most effective measures to mitigate GHG
emissions, with a high potential for environment,
health, food security, biodiversity, and animal welfare
co-benefits.”**

Our Ask

**That the City of Brampton take a stand
and shift 50% of animal-based food
purchases to plant-based purchases by
the end of this year.**

The World Is Already Taking Action

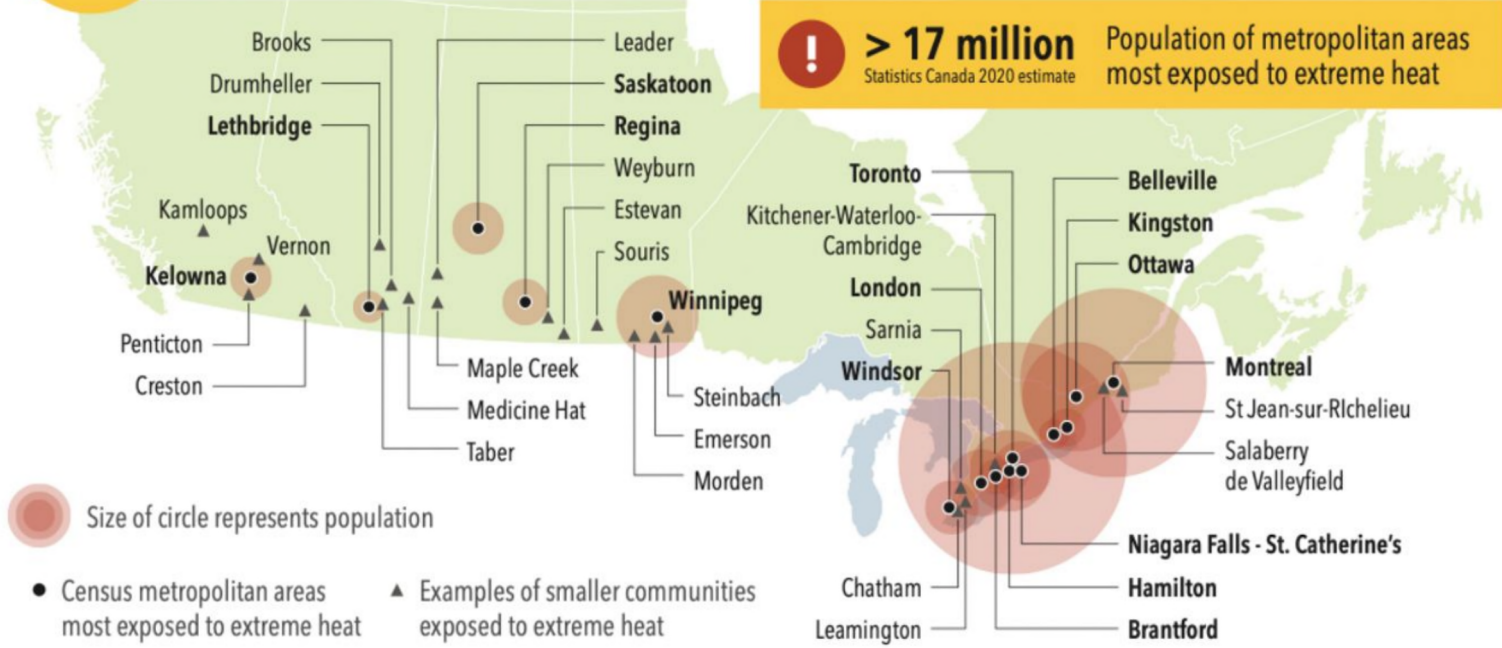
- 642 Canadian municipalities declared a Climate Emergency, and thousands more across the world
- Montreal has joined Toronto and 13 other cities across the world in committing to the C40 Good Food Cities Declaration
- Vancouver decided to switch 20% of its animal-based purchases to plant-based in 2021, with potential savings of \$99,000 and 500 tonnes of CO₂ equivalent
- Many universities and municipalities across the world are switching to plant-based meals

Extreme heat in Canada

Risk

Millions of Canadians live in the metropolitan areas and smaller communities where projected extreme heat indicators are most severe (2051-2080).

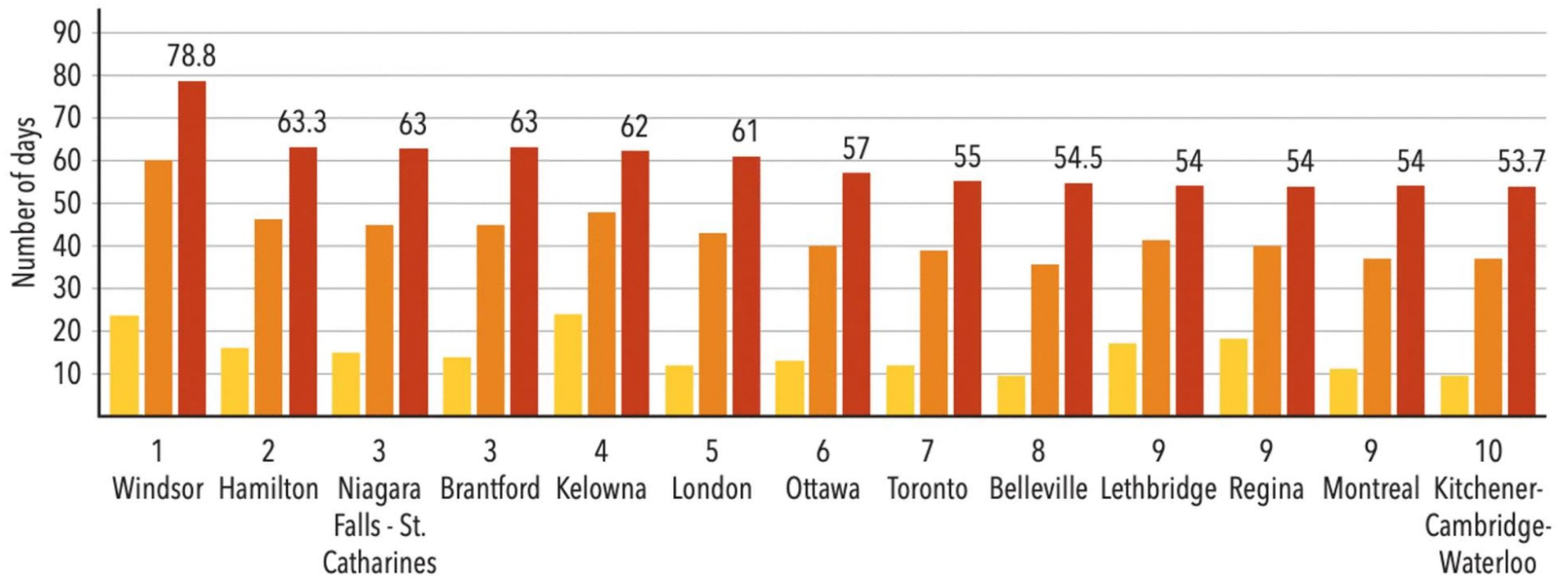
> 17 million Population of metropolitan areas most exposed to extreme heat
Statistics Canada 2020 estimate





Number of very hot days +30°C

Recent history (1976-2005) 2051-2080 Low Carbon 2051-2080 High Carbon



Extreme Weather in Canada

808 deaths reported during the extreme heat wave: BC Coroners Service

Amir Ali | Jul 16, 2021, 5:52 pm



B.C. floods among world's most devastating climate events of 2021

The full cost of flooding in B.C. is still being assessed, but according to one estimate, November flooding places B.C. as the world's fifth most expensive extreme weather event in 2021.



Stefan Labbé
Dec 26, 2021 4:00 PM



Manitoba could see 'very difficult growing season' as drought leaves soil dry heading into winter: minister

Low snowfall, above-average temperatures, sunshine could spell trouble for 2022 season, says Ron Schuler

CBC News - Posted: Dec 16, 2021 3:14 PM CT | Last Updated: December 17, 2021



B.C. heat wave causes mass mussel deaths – Jul 6, 2021

Chris Harley, a professor with UBC's Department of Zoology, said large numbers of dead sea life were spotted at beaches across Metro Vancouver.

Saskatchewan could be facing its worst drought on record

Saskatoon / 650 CKOM
Keenan Sorokan
Aug 12, 2021 | 7:00 AM



Extremely dry and cracked soil in a canola field on July 12 near Ile des Chenes, south of Winnipeg. PHOTO BY DAVE BAXTER/POSTMEDIA



Wildfire firefighter Sasha Terhouch sprays water on hot spots remaining from a controlled burn the B.C. Wildfire Service conducted to help contain the White Rock Lake wildfire on Okanagan Indian Band land, northwest of Vernon, B.C., on Wednesday, August 25, 2021. THE CANADIAN PRESS/Darryl Dyck

Finance minister hints at changes to BC Wildfire Service after climate disaster filled year

Extreme Weather in Canada, Cont'd

January 18, 2022
12:21 PM EST
Last Updated 3 months ago

Insurance

Canadian natural disasters caused insured losses of C\$2.1 billion in 2021

Reuters

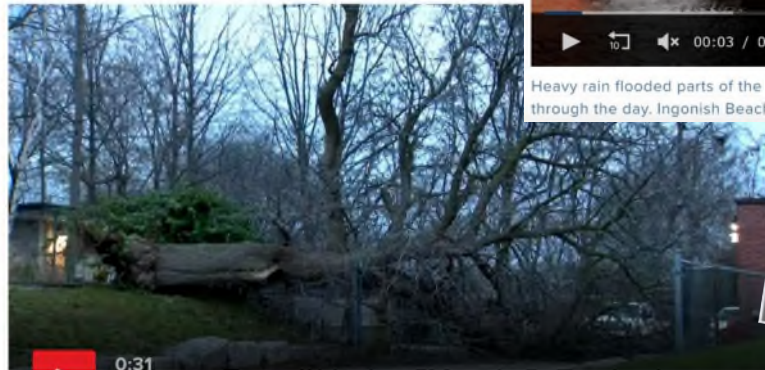
2 minute read

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Windstorm in Quebec and Ontario

Hundreds of thousands of people were left without power when a [violent storm blew through parts of Ontario](#) and damaged power poles and transformers.



N.S. councillor calls storm biggest rain event he's likely seen in his lifetime



By [Rebecca Lau](#) · Global News

Posted November 24, 2021 1:29 pm · Updated November 24, 2021 7:06 pm



Heavy rains flood parts of Maritime provinces, sets all-time high at Ingonish Beach, N.S. (November 22, 2021)
Heavy rain flooded parts of the Maritime provinces on Tuesday, with Sydney, N.S. seeing more than 80 ...

Heavy rain flooded parts of the Maritime provinces through the day. Ingonish Beach, N.S.

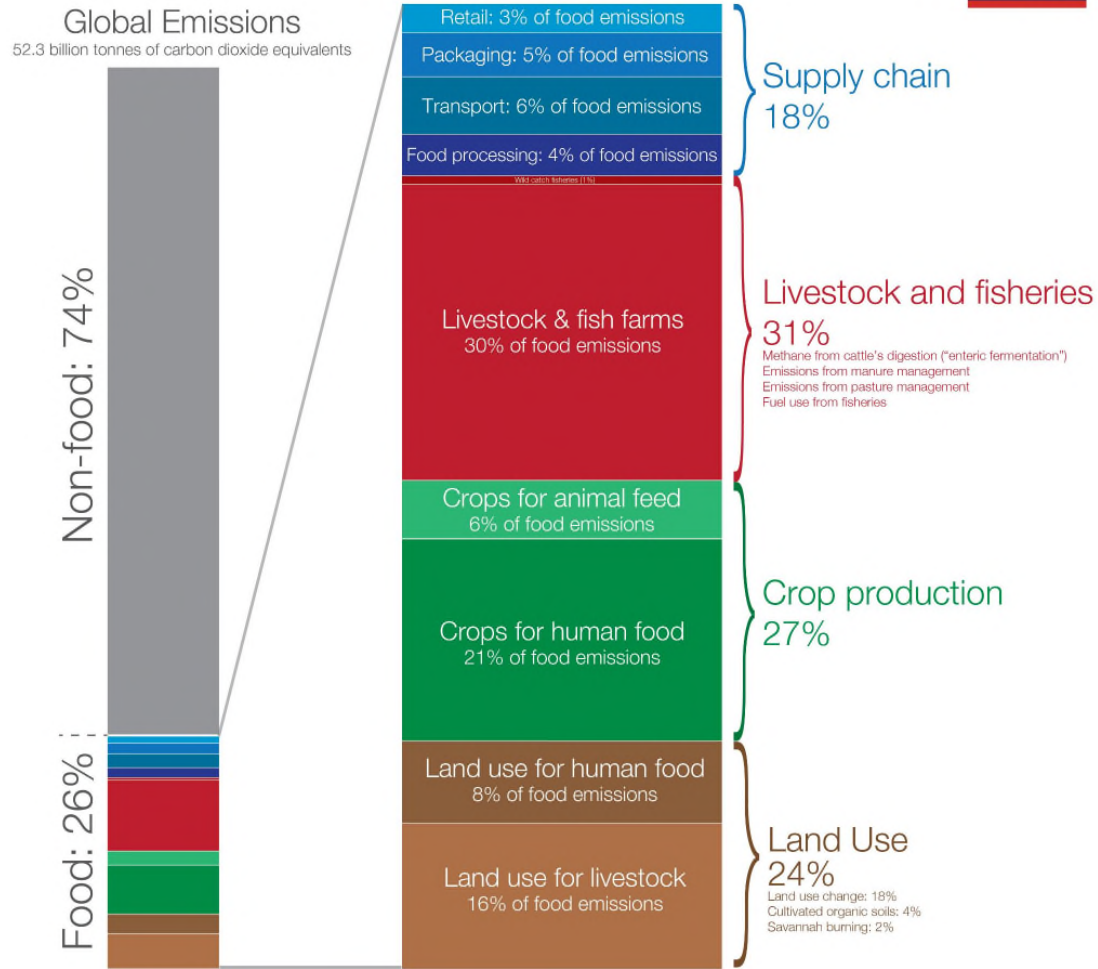
Storm hitting Atlantic Canada 'very similar' to what struck B.C.: meteorologist



Food and Water Security

- Raising 70 billion farm animals globally requires massive amounts of feed and water while humans starve
- Food and water shortages will increase even more as our population grows by another 2 billion people by 2050
- 1 lb of cheese requires 10,000 litres of water
- 1 lb of beef requires 6,800 litres of water
- Replacing a meat burger with a Beyond Meat burger reduces GHG emissions, land use and water use by more than 90%
- Accessing clean water is a problem in many places, including in communities in Canada

Global greenhouse gas emissions from food production Our World in Data



Data source: Joseph Poore & Thomas Nemecek (2018). Reducing food's environmental impacts through producers and consumers. Published in *Science*.
 OurWorldinData.org - Research and data to make progress against the world's largest problems. Licensed under CC-BY by the author Hannah Ritchie.



Animal Agriculture
 30+6+16= 52% out of
 82%. (~63%)

<https://ourworldindata.org/greenhouse-gas-emissions-food>

This is a difficult decision to make.
But if not now,
WHEN?

