

Jamesville Redevelopment:

Good afternoon. My name is Keven Piper. I live with my family in the North End Neighbourhood. I also operate my business in the neighbourhood. My background is that I have my Master's Degree in Environmental Science.

I would like to make one point to the Committee today:

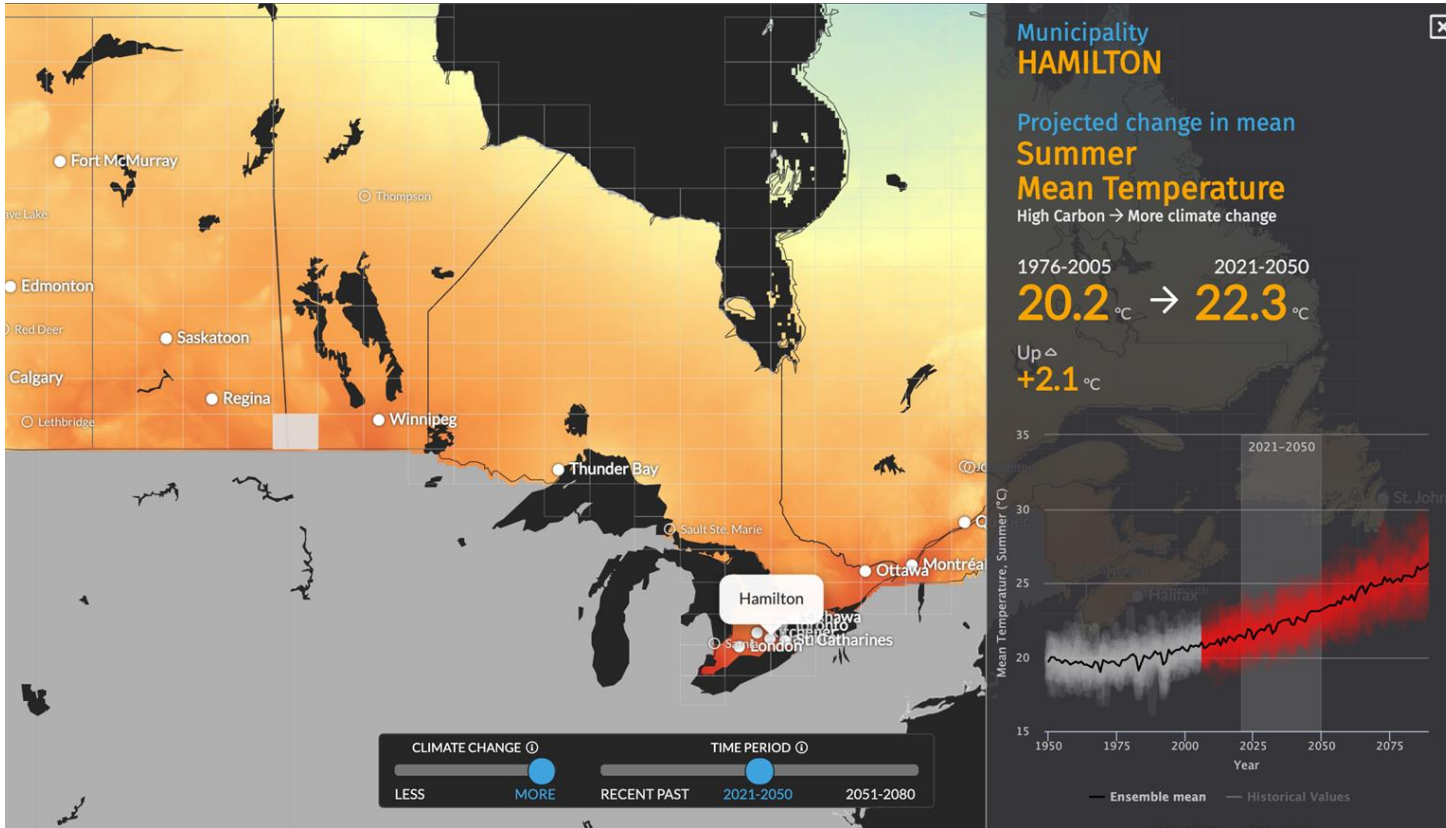
If developments on City owned property cannot be planned to take climate change into account, no private sector developments will do that.

Jamesville is City land. The City controls the development. As set out in the following slides, there are sound reasons to conduct a climate change audit of the proposal.

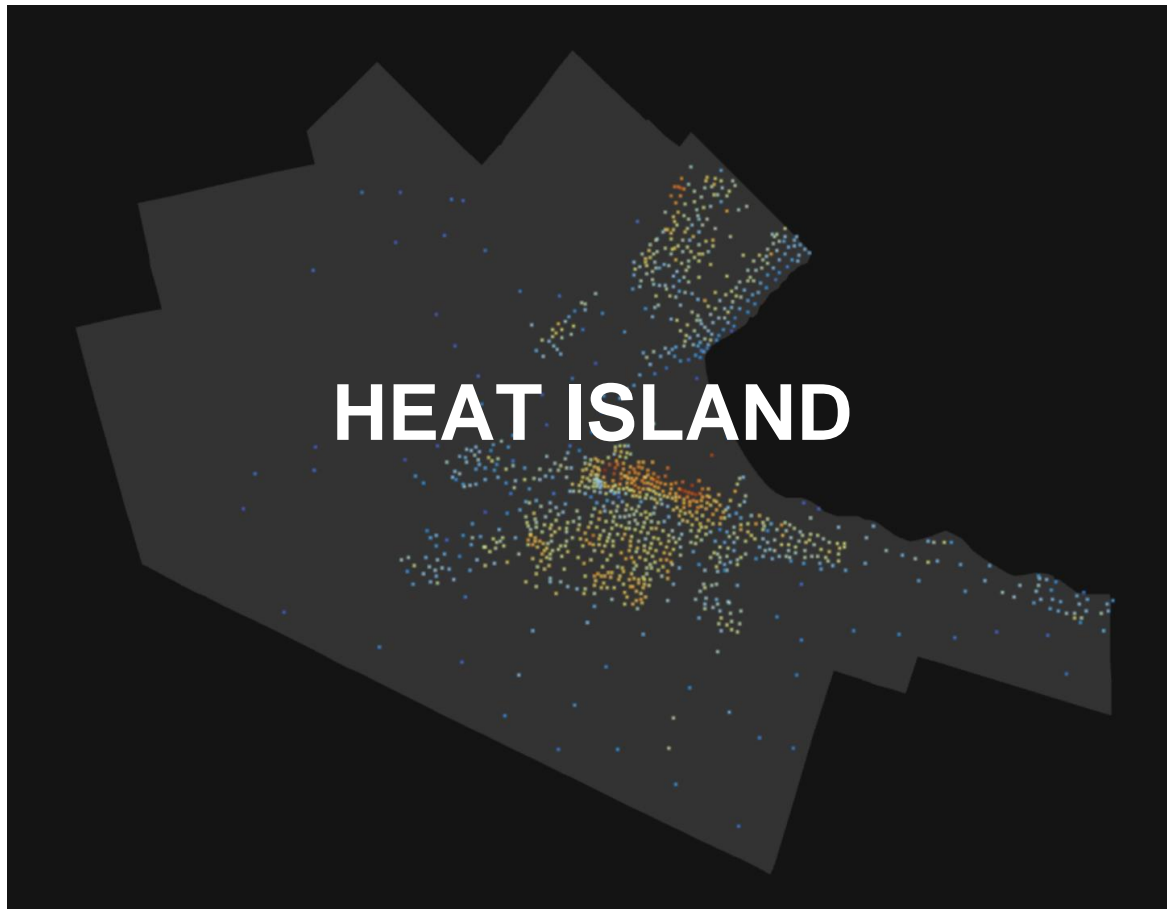
Thank you for your attention.

Keven Piper.

Summer Temperatures



Scientists have warned for decades that if CO2 emissions aren't curtailed we should expect a steady trend of hotter temperatures.



<https://ici.radio-canada.ca/info/2022/07/ilots-chaleur-villes-inegalites-injustice-changements-climatiques/en>

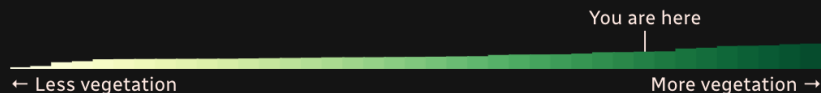
Ancaster

Your neighbourhood is in the metropolitan area of Hamilton.

It's cooler than 72% of your metropolitan area's neighbourhoods...



... and it has more vegetation than 79% of your metropolitan area's neighbourhoods.



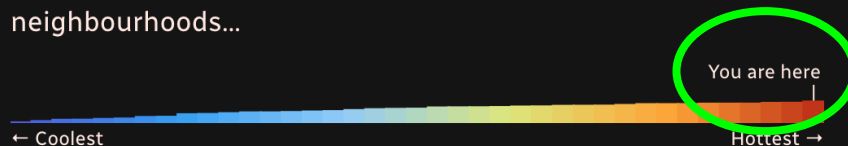
According to the latest available census data (2016), the median income in your neighbourhood (\$49,649) is higher than in 100% of your metropolitan area's neighbourhoods ...



North End

Your neighbourhood is in the metropolitan area of Hamilton.

It's hotter than 100% of your metropolitan area's neighbourhoods...



... and it has less vegetation than 100% of your metropolitan area's neighbourhoods.



According to the latest available census data (2016), the median income in your neighbourhood (\$23,552) is lower than in 97% of your metropolitan area's neighbourhoods ...



CITIES NEED TO EMBRACE GREEN INNOVATION NOW TO CUT HEAT DEATHS IN THE FUTURE

Published on Jul. 26, 2022, 10:02 AM

The Conversation

Trees provide shade, [reducing temperatures by as much as 11 C to 25 C](#). They allow rain to penetrate into soil and retain water. As temperatures rise, liquid water in leaves and soils devours heat, transforming it into vapour. This transpiration and evaporation dramatically cools surrounding areas. One large tree can transpire 380 litres of water daily – the cooling equivalent of five standard air conditioners running 20 hours.



While tree canopies suffer from thousands of individual cuts, their greatest blows today are dealt during building construction when sites are razed. Costs and benefits must be effectively calculated. “Zero net loss” policies that permit a large, 50-year-old tree to be replaced by one or two seedlings are a gross loss.

