

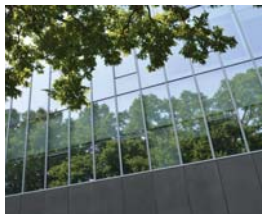
London's Bird Friendly Skies supplementary material

Prepared for Planning and Environment Committee by Brendon Samuels
November 2, 2020

Brendon Samuels is a PhD student at Western studying bird-window collisions.
Brendon provided technical support through EEPAC for the development of London's Bird-Friendly Skies program.

Bird-window collisions in London: a threat to Natural Heritage

- Hundreds of millions of birds are killed by windows in North America each year.
- The number of collisions that occur in London is unknown, but likely ranges in tens of thousands of birds per year.
- Most bird collisions happen during the day:
 - Birds do not see transparent glass
 - Birds do not understand reflections on glass
- Most collisions happen at residences (homes), at height of stories 1-4, near bird habitat.
- Highrise buildings (less numerous) comprise less than 2% of collisions



Western Interdisciplinary Research Building is (retrofitted) bird-friendly

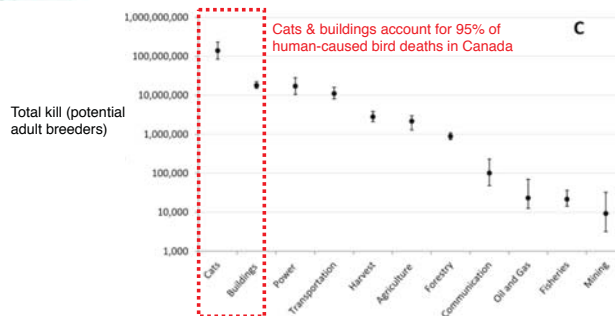
Questions:

1. What is the status of the Bird Friendly Skies program?
2. Who is responsible for developing a communications program about preventing bird collisions?
3. When will this work resume?
4. What is the scope of enforcement for the glass piece of London's Bird-Friendly bylaw?

A Synthesis of Human-related Avian Mortality in Canada Synthèse des sources de mortalité aviaire d'origine anthropique au Canada



Anna M. Culbert, Christine A. Bishop¹, Richard D. Elliot², Elizabeth A. Krebs³, Tyler M. Kuhl⁴, Craig S. MacInnis⁵ and Gregory J. Robertson¹

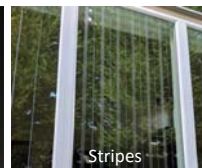
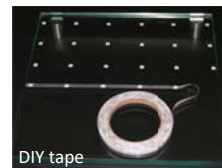


Solutions for window collisions

- Windows can be treated (e.g. visual markers, films, fixtures) to prevent collisions. Other municipalities (e.g. Toronto) require this by law in all new site plans.
- London has been developing a bylaw for collision mitigation, but this process has stalled since the last presentation to PEC in November 2019.
- Most collisions occur at existing structures; Londoners should be informed about retrofit solutions to minimize collision risk (i.e. through voluntary participation)



Best practices for marker spacing (2")



GREEN STANDARDS FOR LIGHT POLLUTION & BIRD-FRIENDLY DEVELOPMENT

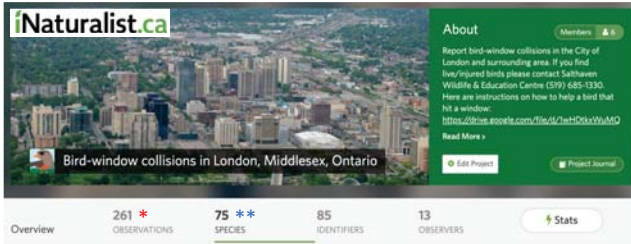
By – law recommendations for the City of London

Prepared by the Ecological and Environmental Advisory Committee (EEPAC), the Advisory Committee on the Environment (ACE), & the Animal Welfare Advisory Committee (AWAC)

- Fourth Draft -
March 2018

Available to read on london.ca [here](#).

[Community Science Data](#) on Bird Collisions in London – 2019-2020



- * Subset of observations made to date, in the past 12 months in London. This represents a tiny fraction of collisions that actually occur.
- ** Includes at least 7 bird [Species at Risk](#) protected by Ontario's Endangered Species Act: Canada Warbler, Golden-Winged Warbler, Chimney Swift, Barn Swallow, Bank Swallow, Wood Thrush, Eastern Wood-Pee-wee

[Existing City materials](#) provide very little information about bird collisions



Pamphlet produced in 2019 by Development Services without advisory committee consultation.

Bird-Friendly Skies program webpage has been removed from City website.

We would like to update these materials to educate homeowners about how to prevent collisions and who to contact about injured birds.