

Bird-Friendly Legislation



Nick Resetar Roetzel & Andress Safety, Structural & Fire Code Consultant

MARK YOUR CALENDAR FOR THESE OTHER UPCOMING EVENTS

NGA Glass Conference: Isle of Palms (Charleston) Feb 5-8, 2024 | Isle of Palms, SC

Building Envelope Contractors (BEC) Conference Mar 3-5, 2024 | Nashville, TN

GPAD | Glass Processing Automation DaysMar 5-6, 2024 | Nashville, TN





Wild Dunes Resort | Isle of Palms, SC

February 5-8, 2024

All Glass, Only Glass glass.org/nga-glass-conference-IOP-2024

REGISTER NOW

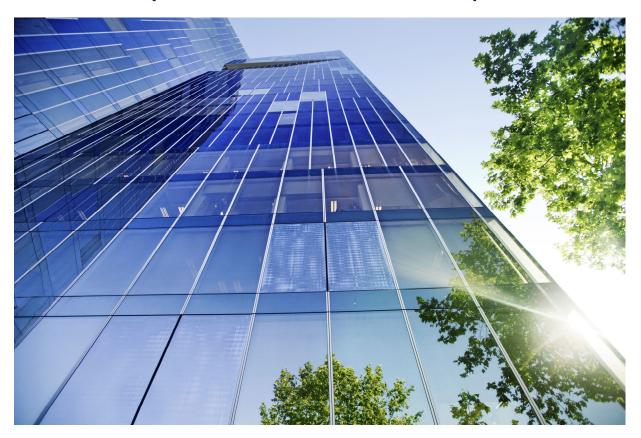




Bird-Friendly Legislation

Nick Resetar, Roetzel & Andress
NGA Code Consultant





Nearly 1 billion birds are injured or killed by collisions with reflective building surfaces annually in the United States.

"Every U.S. home kills approximately 2 birds per year due to glass strikes."

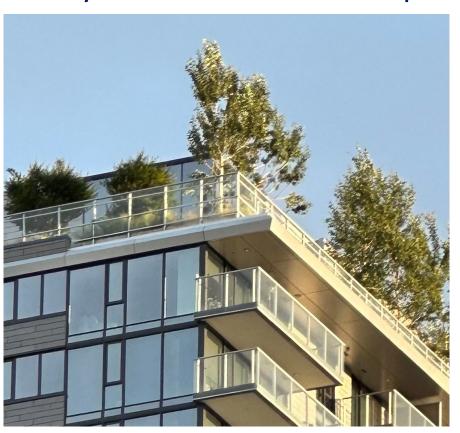
- American Bird Conservancy

Collisions often occur:

- Where vegetation is behind glass
- At glass walkways and building corners
- Where birds can see through the glass to habitat on the other side







Collisions are more pronounced in:

- small buildings
- low-rise residences

Bird collisions are especially prominent during spring and fall migration seasons.



Birds serve as

- insect and pest control
- pollinators
- seed dispersers
- nutrient cyclers







Bird watching is a \$107 BILLION industry in the U.S. through tourism income, equipment sales, guidebooks, and employment.







Like glass in classrooms and healthcare facilities, birds offer significant mental and physical health benefits.

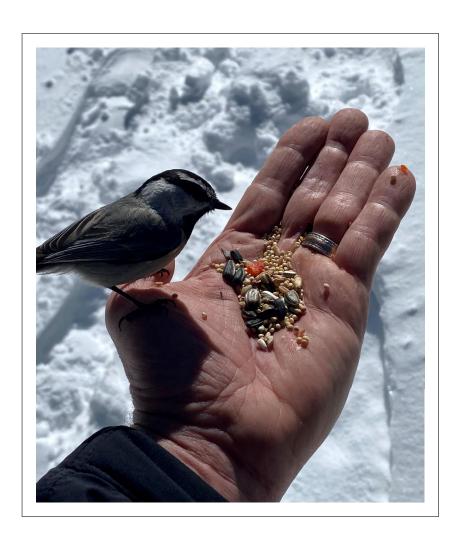
Seeing birds provides

- positive impacts of nature experience on cognitive functioning
- emotional well-being
- physical activity related to hiking and bird watching

Bird collisions are unpleasant and disturbing.

People often report feeling saddened and alarmed by witnessing birds collide with glass.





When you meet with customers, tell them about these facts.

Incorporating bird-friendly design from the beginning is the most cost-effective approach.



The Migratory Bird Treaty Act of 1918



Bird-Safe Buildings Act

- First introduced in the House of Representatives in 2011
- If enacted, would require the GSA to utilize bird-friendly materials in the construction and retrofitting of its properties.
 - Specifically, the BSBA would require:
 - 90% of the exposed façade,
 - from ground level to 40 feet,
 - to be designed and/or comprised of materials to prevent bird collisions,
 - including secondary facades, screens, shutters, or bird-friendly glazing.



Bird-Safe Buildings Act

- Introduced again on June 1, 2023 by Rep. Morgan Griffith (R-VA-9)
- Co-sponsors:
 - Rep. Mike Quigley (D-IL-5)
 - Rep. Betty McCollum (D-MN-4)
 - Rep. Sean Casten (D-IL-6)
 - Rep. Janice Schakowsky (D-IL-9)
- Bipartisan support
- Referred to the House Transportation and Infrastructure Subcommittee on Economic Development, Public Buildings, and Emergency Management



Bird-Safe Buildings Act (BSBA)

- Urge your elected representatives to get the BSBA out of committee and to the House floor for a vote.
- The BSBA was found to be cost neutral by the Congressional Budget Office.





When the Kendeda Building in Atlanta was constructed with bird-friendly glazing, the added cost was \$32,000, less than 1/5th of a percent of the total construction cost.

https://livingbuilding.kendedafund.org/2019/04/26/kendeda-buildings-bird-safe-glass-shockingly-huge-issue/



- Migratory Bird Program
 - In 2021, nationwide Bird Safe Building Survey to identify its highest risk buildings.
 - More than 2,300 USFW buildings have been surveyed for collision risks.
 - Retrofitted USFW buildings in Massachusetts, New Mexico, and Mississippi.
 - Workshop at the Patuxent Research Refuge in Maryland to train employees on retrofitting buildings with bird safe materials.









Northern Great Lakes Visitor Center in Ashland, Wisconsin







Zion National Park Photo: nps.gov





Everglades National Park Ernest F. Coe Visitor Center Photo: nps.gov

Cabins at Tongass National Forest in Alaska

Photos: fws.gov



What are the States doing about it?



• California:

- Voluntary Green Building Standards Code of 2010,
- 2019 Bill AB 454, strengthens the Migratory Bird Treaty Act of 1918.

• Minnesota:

 Mandatory Bird-Safe Glazing regulations following LEED's Reducing Bird Collisions Program

• Michigan:

 Safe Passage Great Lakes Initiative includes birdfriendly requirements.

Maryland:

 2023 Sustainable Buildings Act requires newly built, acquired, or renovated state-funded buildings to adhere to bird-friendly window requirements.





New York City

- 2019 INT 1482 requires all new construction and major alterations to utilize bird-friendly glazing in all buildings.
- Local Law 15 from INT 1482 in effect Jan. 2021

Madison, Wisconsin

• 2020 city ordinance requires bird-friendly glass for new buildings larger than 10,000 square feet, sky bridges, and ground level glass features such as sound walls and glass screens.

• Washington, D.C.

 2022 Migratory Local Wildlife Protection Act requires new construction or alterations involving the replacement of exterior glazing to incorporate bird-friendly glazing up to 100 feet. This law goes into effect in 2024.

San Francisco

• In 2011, passed the first mandatory bird-friendly laws for its buildings.

Evanston, IL

• 2022 mandatory bird-friendly laws for its buildings



New York City's Javits Center, which was renovated with bird friendly glass in 2015, has reduced collisions by 90%. Photo: Jacob K Javits Convention Center



What are Cities doing about it?

Proposed mandatory legislation for bird safe building practices:

- Detroit, MI
- Oakland, CA
- San Jose, CA
- Richmond, CA
- Alameda, CA
- Mountain View, CA
- Portland, OR
- Los Angeles, CA
- Highland Park, IL

"The common expectation within the glass and building communities is that the number of cities adopting bird deterrence legislation will rapidly increase in the next couple of years and shift from voluntary guidelines to mandatory standards."

What is Canada doing about it?





CSA A460:19 to establish best practices for deterring bird collisions

- Specific measures to make new and existing structures safe for birds
- Lists numerous requirements for glazing, integrated structures and building design.

Ontario:

• Environmental Protection Act multiple strategies for reducing bird collisions.

Toronto:

- 2007 voluntary Bird Friendly Development Guidelines,
- 2009 became mandatory under the Toronto Green Standard.

Voluntary bird-friendly guidelines:

Calgary, AL

Vancouver, BC

Mississauga, ON

University of British Columbia, BC (its own municipality)

Vaughan, ON

Ottawa, ON

Currently drafting/reviewing bird-friendly regulations:

Waterloo, ON

Surrey, BC

Whitby, ON

Saskatoon, SK

Fort Erie, ON

Halifax, NS

Richmond Hill, ON

London, ON

What is NGA doing about it?

NGA Best Practices for Bird-Friendly Design Guide

- Referenced in GSA P100 facilities guide
- Advocate to reference NGA Design Guide in new bird-friendly ordinances

NGA Advocacy One-Pager for Legislators Saving Birds with Effective Glass Solutions

 Advocate for bird-friendly glazing in your own community by downloading NGA's one-pager Saving Birds with Effective Glazing Solutions and sharing it with local legislators or other parties.

AIA presentation for architects Key Strategies of Bird-Friendly Glazing

Glass Magazine

- Article: Legislation to reduce bird collisions passes the US House of Representatives
- Article: Let's write a new story about bird-glass collisions
- Article: 5 Decorative Glass Trends to Watch
- Blog: Migrating Toward bird-friendly buildings

NGA's GANA Glazing Manual- new section on Bird-Friendly Glazing

NGA Thirsty Thursday on-demand recording- Bird-Friendly Building Design – Canadian Standard Update CSA A460:19

NGA Members-Only Codes & Standards Help Center – FAQs on Bird-Friendly Glazing



Manufacturing and installation of bird-friendly window products are skilled trades, creating



ingest trade association serving our industry. We develop standards, create technical resources, and promote and educate for glass in the built environment. Learn more at <u>glass orgistout-nga/sefvocacy</u>. For further information on tendig glass please feel free to contact NGA Technical Staff at <u>maltotechnicalises/stipless.org</u>.





Additional NGA Resources



Bird-Friendly Glazing
Design Guide



Bird-Friendly Glass Design Strategies GTP



Bird-Friendly Glazing in Construction Advocacy Priority Issue One-Pager

Browse glass.org/store for additional tools





Bird-Friendly Legislation



Nick Resetar
Roetzel & Andress
Safety, Structural & Fire Code Consultant
nresetar@ralaw.com

MARK YOUR CALENDAR FOR THESE OTHER UPCOMING EVENTS

NGA Glass Conference: Isle of Palms (Charleston) Feb 5-8, 2024 | Isle of Palms, SC

Building Envelope Contractors (BEC) Conference Mar 3-5, 2024 | Nashville, TN

GPAD | Glass Processing Automation DaysMar 5-6, 2024 | Nashville, TN

