



AIA
Maryland

Promoting Maryland Architecture Since 1965

21 March, 2022

The Honorable Paul G. Pinsky
Chair of the Education Health and Environmental Affairs Committee
2 West
Miller Senate Office Building
Annapolis, Maryland 21401

Re: Letter of Support for HB 0043
Department of General Services – Energy Conserving Standards
(Maryland Sustainable Buildings Act of 2022).

Dear Chairman Pinsky and members of the Education Health and Environmental Affairs Committee:

I am writing to voice AIA Maryland's support of House Bill 0043. AIA Maryland represents nearly 2,000 architects in the state of Maryland and advocates for the profession and the quality of the built environment. As we work to be good stewards of the built environment, we are equally cognizant of the natural environment that we interact with and we aim to minimize our impact on the natural world. This bill's primary purpose is clearly to reduce the number of bird strikes on buildings and we believe this bill takes practical measures that can help reduce the likelihood of these collisions from happening. This issue is particularly important in Maryland where we are on the Atlantic flyway, a heavily traveled path for migratory birds.

Member firms from our state chapter have tested the tool this bill implements, LEED Sustainable Sites pilot credit 55 on a couple of new 2-story sample projects. The process required for both projects only required a little extra design time. The process enables sufficient flexibility to be able to meet the design criteria without any undue hardship and we do not expect it would have any significant project cost impact. We also acknowledge that there may be energy reduction through window criteria, screening and opacity of materials that may reduce heat gain on buildings in addition to limiting night-time illumination of interior glass-enclosed spaces and exterior lighting. Based on the testing of projects that were completed, we believe such accommodations can be made on new designs, or when existing buildings are being substantially renovated. In either case, the building skins and systems can be designed to respond to the proposed criteria.

Maryland is not acting alone in adopting guidelines like these. Given our geophysical presence along the coast and the Chesapeake Bay, it is particularly important to provide an accommodating migratory path for birds. Other states and jurisdictions have already enacted regulations similar to this bill, those include the state of Minnesota, New York City, San Francisco, Oakland, Chicago, Toronto and others. Howard County passed a law through county council, requiring mandatory bird safe design as a part of the County Green Building standards. Building codes continue to move toward developing buildings with a more efficient building envelope and the bird friendly criteria can be incorporated into the design parameters. Studies have shown that by implementing bird friendly design parameters, bird collision deaths can be reduced by up to 90 percent.

The American Institute of Architects

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We recommend that the regulations be incorporated in the Maryland Green Building Council's program requirements documents so they are in a location where design professionals will reference criteria they need to meet. Starting with these measures early in the design process enables the design team to incorporate elements in the building design from the beginning where they may have limited to no effect on building cost. Locally, we know these design parameters have been implemented on new buildings on the Johns Hopkins Hospital campus and one of our members is including these design principles on new Math and Athletics facilities at Howard County Community College.

AIA Maryland cares deeply about the quality of Maryland's natural and built environment. Sensible measures that diminish the impact of our built environment on the natural world are valuable to all of us. We therefore respectfully ask your committee to vote in favor of HB 0043 that provides thoughtful, responsible paths to bird-friendly design and may provide some added benefits of diminishing energy use.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. P.' with a long horizontal line extending from the end of the 'P'.

Chris Parts, AIA
Director, Past President, AIA Maryland

cc: AIA Maryland Board of Directors

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