Dear Dr. Varghese:

As you consider the additional information and the questions I provided in my April 8 letter about the health effects of LED lighting and the additional references I provided, I want to draw your attention to some very relevant information that has been published subsequently which I believe you will find quite germane to your reconsideration of the issues involved.

JUNE 2016 AMA REPORT ON HUMAN AND ENVIRONMENTAL HEALTH EFFECTS OF LIGHT EMITTING DIODE (LED) COMMUNITY LIGHTING

Most important, you should know that the AMA just issued a Report of the Council on Science and Public Health entitled "Human and Environmental Health Effects of Light Emitting Diode (LED) Community Lighting." Here are links to the Report itself, the AMA's June 14, 2016 press release, and some press coverage on the Report:


The AMA Report focuses on street lights rather than athletic fields, but since there have been no studies yet published on the health effects of LED lighting for athletic fields, this seems to come the closest to providing information relevant to the recommendations you are being asked to provide. Since in your February 3, 2016 presentation to the WFWG you relied mostly on the 2013 report of the US Department of Energy contractor and the 2012 AMA Report (neither of which directly addressed and reached conclusions on the health effects of the kind of lights proposed for Williamsburg), I presume that this new AMA study, with its discussion of the heath effects of very high-intensity LED lights, will be of great interest to you.
The three Recommendations at the bottom of page 5 are directly relevant. Also, many of the references cited are from 2014 - 2016 and hence were not available when the main sources you relied on were published. Of greatest relevance regarding health effects appear to be the following:


Also, there are three studies about how city residents have reacted to LED lights and what the cities are considering in response:


SCIENCE ADVANCES ARTICLE: "THE NEW WORLD ATLAS OF ARTIFICIAL NIGHT SKY BRIGHTNESS"

The June 10 *Washington Post* had an article about a research article in *Science Advances* (June 10, 2016) on artificial night sky brightness [http://advances.sciencemag.org/content/2/6/e1600377]. While the article itself is mainly about issues of night sky brightness, the Bibliography has some new articles of relevance to the health effects issues we are concerned about. They include:


I hope you will find these studies/reports useful in considering your conclusions. I would be happy to meet with you to discuss the issues if that would be helpful.

Finally, I'd like to remind you of the statement that neighbor Gail Harrison made at the April 21 meeting with Christian Dorsey and Erik Gutshall: It is OK to say that we don't know the answer to a question if we don't, rather than be forced to give an answer for which we don't have a strong basis. That may be the situation we find ourselves in after considering all the available information.

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