



Larry Hogan
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CORRESPONDENCE - December 31, 2020

The Honorable Larry Hogan
Governor
State House
Annapolis, MD 21401

The Honorable Bill Ferguson
President
Senate of Maryland
State House, H-107
Annapolis, MD 21401

The Honorable Adrienne A. Jones
Speaker
Maryland House of Delegates
State House, H-101
Annapolis, MD 21401

Re: Report required by Education Article § 5-319 (MSAR #11572) - - Report on the Evaluation and Intended Use of Solar Technologies

Dear Governor Hogan, President Ferguson, and Speaker Jones,

Education Article § 5-319, HB 1783/Chapter 14, 2018 requires that:

- (A) *The Interagency Commission shall adopt regulations that require the design development documents for the construction or major renovation of school buildings submitted by a county board to the Interagency Commission to include:*
- (1) *An evaluation of the use of solar technologies, including photovoltaic or solar water heating, based on life cycle costs; and*
 - (2) *If an evaluation determines that solar technologies are not appropriate for a construction or major renovation project, a report that explains why the use of the technology is not appropriate.*
- (B) *On or before December 31 of each year, the Interagency Commission shall submit a report on the number of public school construction and major renovation projects in each jurisdiction that use solar technologies to the Governor and, in accordance with §2–1246 of the State Government Article, the General Assembly.*

The effective date of the statute was June 1, 2013. The Department of General Services (DGS) or the Maryland State Department of Education reviews the required evaluation and reports during the course of design review. Comments on the inclusion of the evaluations are a standard component of the review letters for new construction or major renovation projects. The primary limitation cited for determining that solar technologies are not appropriate is the lengthy payback for roof mounted photovoltaic panels. Power

production is calculated to be low relative to the requirements of a school and to the extent that solar technologies are pursued, it is more for demonstration and educational purposes. The evaluation requirement of the statute keeps solar technologies at the forefront of design thinking and use of solar is one potential component in ongoing efforts to improve the performance of school facilities.

The school systems have performed evaluations in accordance with the statute, and DGS has reviewed the evaluations. This report covers the period from the effective date of the statute through December 31, 2020.

The report only covers projects subject to the provisions of the statute, and reflects the evaluation of solar technologies as expressed in the design development submissions. It therefore does not include solar installations on schools designed prior to the effective date of the statute, or solar projects undertaken independently of construction or renovation projects. For instance, Caroline, Dorchester, and Kent Counties have major ground-mounted (exceeding 2 acres per installation) solar photovoltaic projects that provide significant power for some of their schools. Harford and Montgomery Counties have pursued roof mounted photovoltaic projects independent of construction or renovation projects.

	Number of Projects with Solar Technologies in Design Development Documents								Total
	2013	2014	2015	2016	2017	2018	2019	2020	
LEA									
Allegany	N/A	1	N/A	N/A	N/A	N/A	N/A	N/A	1
Anne Arundel	N/A	N/A	N/A	0	N/A	N/A	N/A	0	0
Baltimore City	N/A	N/A	1	2	0	0	0	0	3
Baltimore	0	2	0	1	0	0	0	0	3
Calvert	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	0
Caroline**	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A	0
Carroll	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Cecil	0	0	0	N/A	N/A	0	N/A	N/A	0
Charles	N/A	N/A	N/A	0	N/A	0	N/A	N/A	0
Dorchester**	N/A	N/A	1	N/A	N/A	N/A	N/A	N/A	1
Frederick***	N/A	1	2	N/A	N/A	0	0	N/A	3
Garrett	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Harford*	N/A	1	N/A	N/A	N/A	N/A	N/A	N/A	1
Howard	0	1	0	N/A	N/A	N/A	0	N/A	1
Kent**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Montgomery*	0	0	0	0	0	0	0	0	0
Prince George's	0	N/A	N/A	N/A	0	0	0	N/A	0
Queen Anne's	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
St. Mary's	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Somerset	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	0
Talbot	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	0

LEA	2013	2014	2015	2016	2017	2018	2019	2020	Total
Washington	0	N/A	N/A	N/A	0	N/A	N/A	N/A	0
Wicomico***	N/A	N/A	N/A	1	N/A	0	N/A	N/A	1
Worcester	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	0
Maryland School for the Blind	0	N/A	N/A	0	N/A	N/A	N/A	N/A	0

N/A = No major construction projects reviewed

* School system has instituted solar projects independent of construction and renovation projects

** School system has major ground mounted solar photovoltaic installation

*** Solar water heating

Any questions can be directed to School Facilities Branch Chief Fred Mason at (410) 767-0097 or Fred.Mason1@maryland.gov.

Best Regards,



Robert A. Gorrell
Executive Director
Interagency Commission on School Construction

cc: Sarah Albert, Department of Legislative Services (5 copies)