

**BOARD OF EDUCATION OF HARFORD COUNTY**  
**INFORMATIONAL REPORT**  
**PRESENTATION ON CONTRACT**  
**PHASE II SOLAR ELECTRIC AT MULTIPLE SCHOOLS**

**December 9, 2019**

Background Information:

In August of 2017 the Director of Maryland Energy Administration, in conjunction with the Maryland Public School Construction Program, sent a letter to the Harford County Public Schools (HCPS) Superintendent requesting we do an in-depth analysis of all current and planned schools for their potential for solar electric generation. While the current Havre de Grace Middle/High School is under construction there is no funding in the project to include solar electric. The proposed Power Purchase Agreement (PPA) will allow for this school building and three (3) others (see attached) to install solar electric at no cost to the school system.

Discussion:

In 2015 four (4) solar electric installation companies were interviewed by HCPS staff for the potential of implementing a second round of solar electric projects at our schools. At the time the market conditions were not conducive to move forward with a Phase II PPA. Legislation was approved in 2019 that lead to an increase for Incentives for Solar projects. The legislation went into effect in October 2019. Utilizing the Montgomery County Public Schools PV Electric Generating Systems Contract (RFP #4361.2) we were able to work with Constellation - An Exelon Company and their Solar Business Development group to develop a Phase II PPA. The PPA includes four (4) solar electric sites producing a potential savings of between (\$1,470,000.00) and (\$1,820,000.00) over a twenty-five (25) year period and a solar offset of historical usage of 62%.

Superintendent's Recommendation:

The Superintendent of Schools recommends that the Board of Education approve a contract with Constellation - An Exelon Company utilizing the Montgomery County Public Schools PV Electric Generating Systems Contract (RFP #4361.2) Power Purchase Agreement to facilitate a second phase of solar electric with no capital outlay for HCPS.

**PHASE II SOLAR ELECTRIC SITES  
HARFORD COUNTY PUBLIC SCHOOLS**

Location	Possible # of Panels	Possible kW (DC)	Roof Installation	Roof Warranty Expires
Aberdeen MS	1,404	491.4	2019	2039
Havre de Grace M/H	2,106	737.1	2020	2040
Hickory ES	936	327.6	2020	2040
Joppatowne HS	2,106	737.1	2017	2043